



**CONESTOGA-ROVERS  
& ASSOCIATES**

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April 29, 2008

Reference No. 012559

Ms. Laura C. Price  
Voluntary Cleanup Unit/Remedial Section  
Bureau of Environmental Remediation  
Kansas Department of Health & Environment  
1000 SW Jackson Street, Suite 410  
Topeka, Kansas 66612-1367

Dear Ms. Price:

Re: Groundwater Monitoring Results (Fourth Quarter 2007)  
Former General Motors Fairfax I Plant Site  
Kansas City, Kansas

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## **1.0 INTRODUCTION**

### **1.1 GENERAL**

This monitoring report provides a summary of the groundwater monitoring program implemented by General Motors (GM) at the Former General Motors Fairfax I Plant (Site) in Kansas City, Kansas during the fourth quarter of 2007. This represents the 2<sup>nd</sup> event of the comprehensive groundwater sampling requested by the Kansas Department of Health and Environment (KDHE).

GM entered the former Fairfax I Site into the Voluntary Cleanup and Property Redevelopment Program (VCPRP) in March 14, 2001. Conestoga-Rovers & Associates (CRA) has performed numerous studies at the Site.

Field activities were performed in accordance with the scope of work and procedures outlined in the documents approved by KDHE and titled "Groundwater Monitoring Plan (Revised)" (CRA, July 2007) and "Pre-Design Investigations Work Plan" (CRA, August 2001).

### **1.2 SITE LOCATION AND DESCRIPTION**

The Site is located at 100 Kindelberger Road, Kansas City, Kansas and is located in the floodplain of the Missouri River. Refer to Figure 1.1 for the Site location. The Fairfax I Plant Site is vacant as operations ceased in 1986/87 and the facility was demolished in 1987. A number of monitoring wells, however, remain on the Site. Figure 1.2 presents the Site layout and the approximate locations of known existing monitoring wells. Table 1.1 presents well construction details for the wells in the monitoring well network.



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## **2.0 SCOPE OF WORK**

As outlined in the 2007 Groundwater Monitoring Plan (Revised), the field activities conducted during the week of December 3, 2007 consisted of the following tasks:

- Collection of depth to water measurements at the 32 wells in the monitoring well network;
- Collection of groundwater samples from 31 of the 32 wells in the monitoring well network; and
- Analysis of groundwater samples for target compound list volatile organic compounds (TCL VOCs) and total petroleum hydrocarbon as gasoline range organics (TPH-GRO).

## **3.0 FIELD ACTIVITIES**

Field activities completed during this period consisted of a quarterly groundwater sampling event.

### **3.1 HYDRAULIC MONITORING**

Depth to water measurements were collected at the Site on December 3, 2007. Water levels were measured to the nearest 0.01 feet using an electronic water level indicator.

### **3.2 QUARTERLY GROUNDWATER SAMPLING AND ANALYSIS**

Groundwater sampling was conducted from December 4 to 6, 2007. Groundwater samples were collected from 31 of the 32 wells in the monitoring well network. Monitoring well MW-115 did not contain enough water to collect a sample. Field parameters were measured during monitoring well purging and recorded in the field logbook. Purging parameters are summarized in Table 3.1. Monitoring wells were purged using a submersible pump with dedicated tubing and using low-flow minimal drawdown techniques except at monitoring well MW-103A. Due to the presence of a strong odor at the well and the previous presence of light non-aqueous phase liquid (LNAPL) in the well, well MW-103A was purged of three well volumes of water (approximately 7 gallons) and sampled using a disposable bailer; no field parameters were measured. Groundwater samples were analyzed for TCL VOCs and TPH-GRO.

Groundwater samples were packed in a cooler with ice and shipped by overnight courier under chain-of-custody protocols to TestAmerica Laboratories, Inc. (TestAmerica) of North Canton, Ohio.



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#### **4.0 SUMMARY OF GROUNDWATER MONITORING RESULTS**

The following discussion relates to the quarterly groundwater sampling event and does not reference past groundwater sampling events whose results were provided in previous reports to the KDHE.

#### **4.1 HYDRAULIC MONITORING**

A summary of groundwater elevations is presented in Table 4.1. Figure 4.1 presents groundwater contours for the shallow depth monitoring wells, and Figure 4.2 presents groundwater contours for the intermediate depth monitoring wells.

#### **4.2 QUALITY ASSURANCE/QUALITY CONTROL**

An analytical data quality assessment and validation of the analytical results obtained by TestAmerica for the samples collected was conducted by CRA's quality assurance officer. The evaluation of the analytical data was based on a review of the information provided by TestAmerica, including laboratory blank data, as well as recovery data from matrix spike samples, surrogate compounds, and laboratory control samples. The analytical data were assessed for accuracy and precision based on the provided quality assurance data. Based on the results of the data quality assessment and validation, the analytical data are valid and suitable for quantitative purposes. The analytical data quality assessment and validation memorandum is provided in Attachment A.

#### **4.3 ANALYTICAL RESULTS**

A summary of detected analytical data for the current quarter is provided in Table 4.2. A summary of historical VOC detected analytical data for samples collected by CRA is provided in Attachment B (see Table B.1). The tables provide a comparison of the analytical data to both the residential and non-residential KDHE groundwater standards. The discussion of results, however, is limited to only those exceedences for the non-residential scenario. The property associated with the Fairfax I Site is now, and is expected to be in the future, industrially and commercially zoned. Consequently, the residential standards are provided for information purposes only.

Figure 1.2 provides monitoring well locations. Laboratory analytical results are provided in Attachment C.

During the sampling event, 4-methyl-2-pentanone, ethylbenzene, toluene, xylenes, and TPH-GRO were detected in the groundwater samples collected from MW-103A (sample and duplicate sample) at concentrations above the KDHE standards. Tetrachloroethene (PCE) was detected in the groundwater sample collected from MW-110A at a concentration slightly above the KDHE standard. Vinyl chloride and cis-1,2-dichloroethene (cis-1,2-DCE) were detected in



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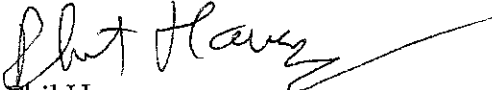
the groundwater sample collected from MW-111 at concentrations slightly above the KDHE standard.

Results are consistent with previous sampling events. Exceedences of the KDHE groundwater standards were observed at three monitoring wells. Exceedences were observed at one location on the Site property where GM is currently planning and designing remedial actions (e.g., the MW-103A area).<sup>1</sup> One exceedence (PCE) was detected at a well that is off Site and generally upgradient of the Former Fairfax I Plant Site (MW-110A) and in an industrial area south of the Site.<sup>2</sup> The remaining exceedences (vinyl chloride and cis-1,2-DCE) were detected at a well (MW-111) historically considered to also be impacted from off-Site sources.<sup>2</sup>

Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

  
Phil Harvey

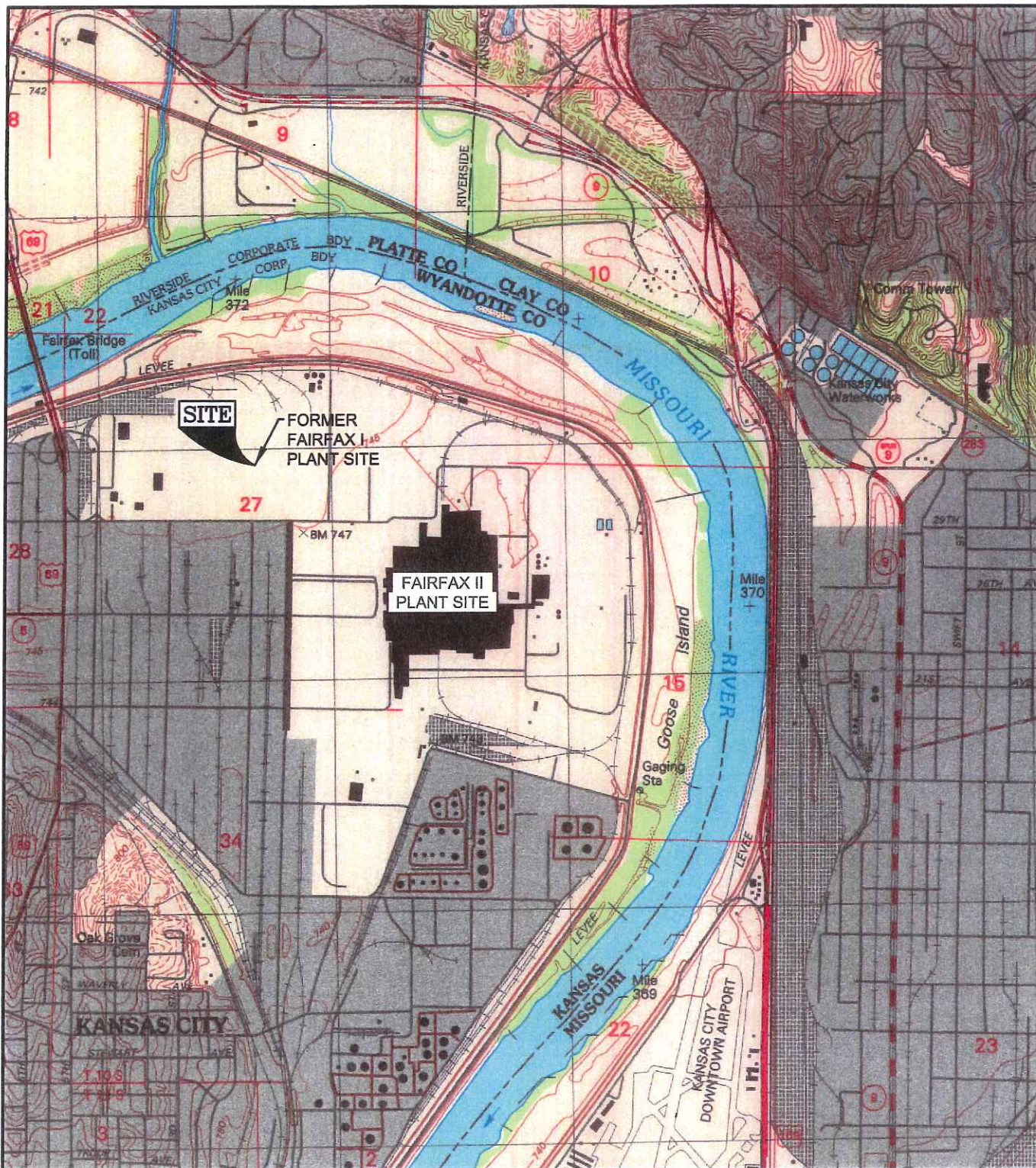
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Encl.

c.c.: Ken Richards, GM

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<sup>1</sup> For the MW-103A area, refer to the work plan titled "Pre-Design Investigations Work Plan" dated August 2001.

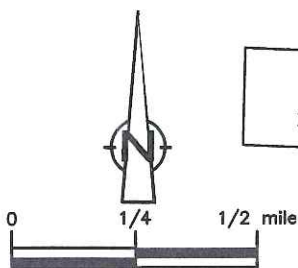
<sup>2</sup> Refer to past reports titled "Comprehensive Groundwater Sampling Report", draft dated November 1998, and "Results of Soil and Groundwater Investigations Near Monitoring Well MW-103A", dated June 2000.

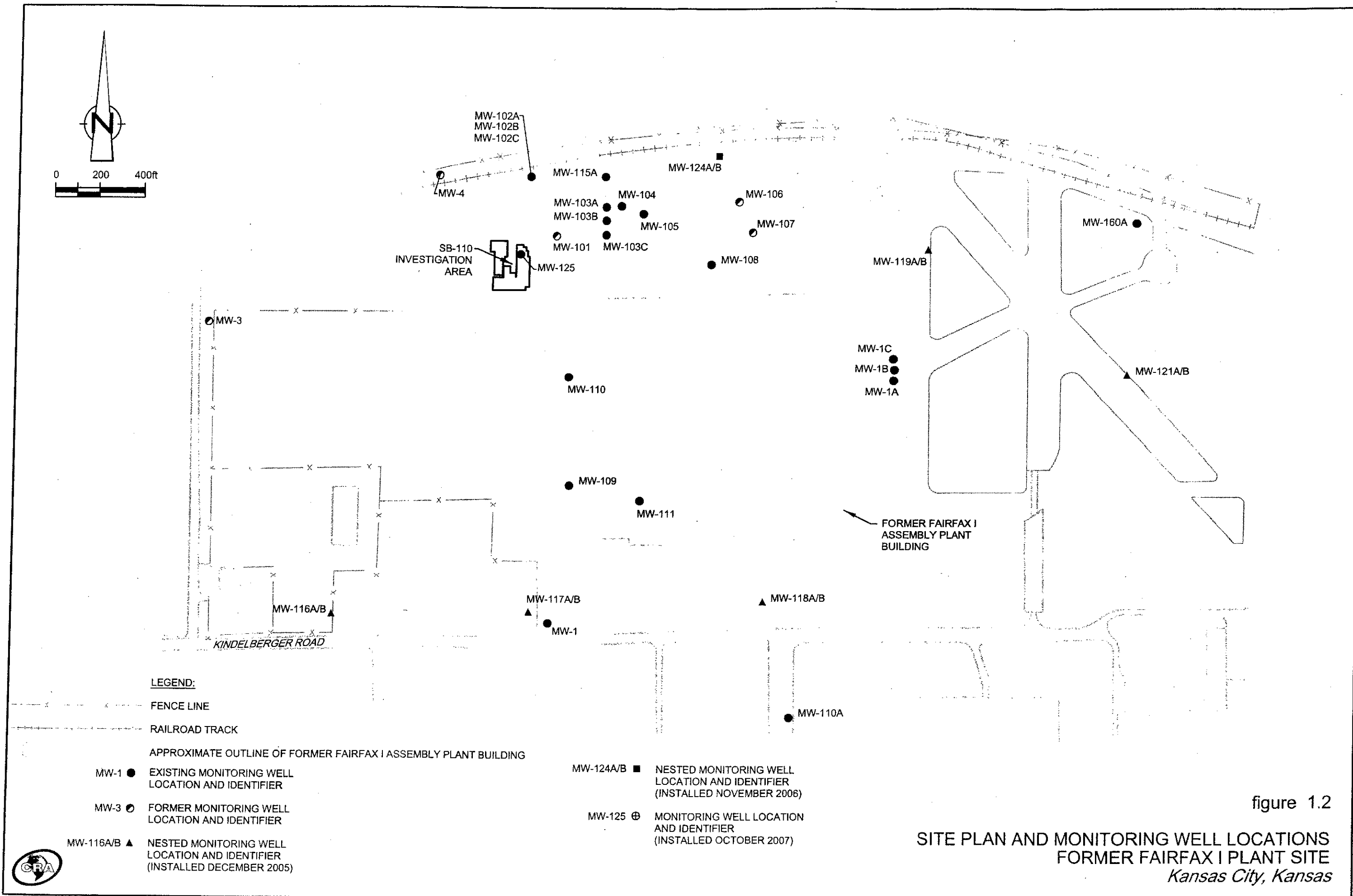


BASE SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE;  
NORTH KANSAS CITY, MO-KS 1990

figure 1.1

**SITE LOCATION MAP**  
**FORMER FAIRFAX I PLANT SITE**  
*Kansas City, Kansas*





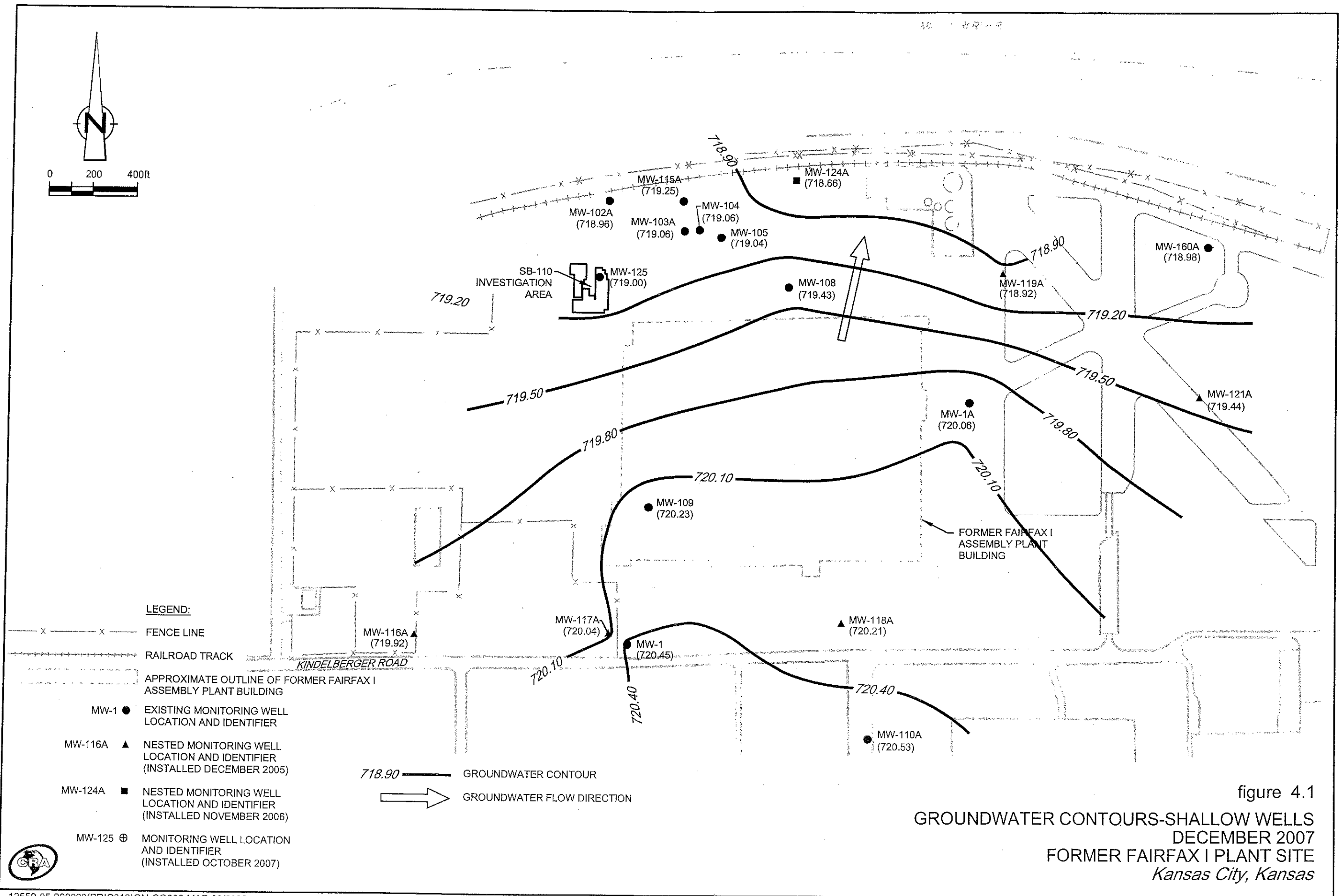


figure 4.1  
GROUNDWATER CONTOURS-SHALLOW WELLS  
DECEMBER 2007  
FORMER FAIRFAX I PLANT SITE  
Kansas City, Kansas

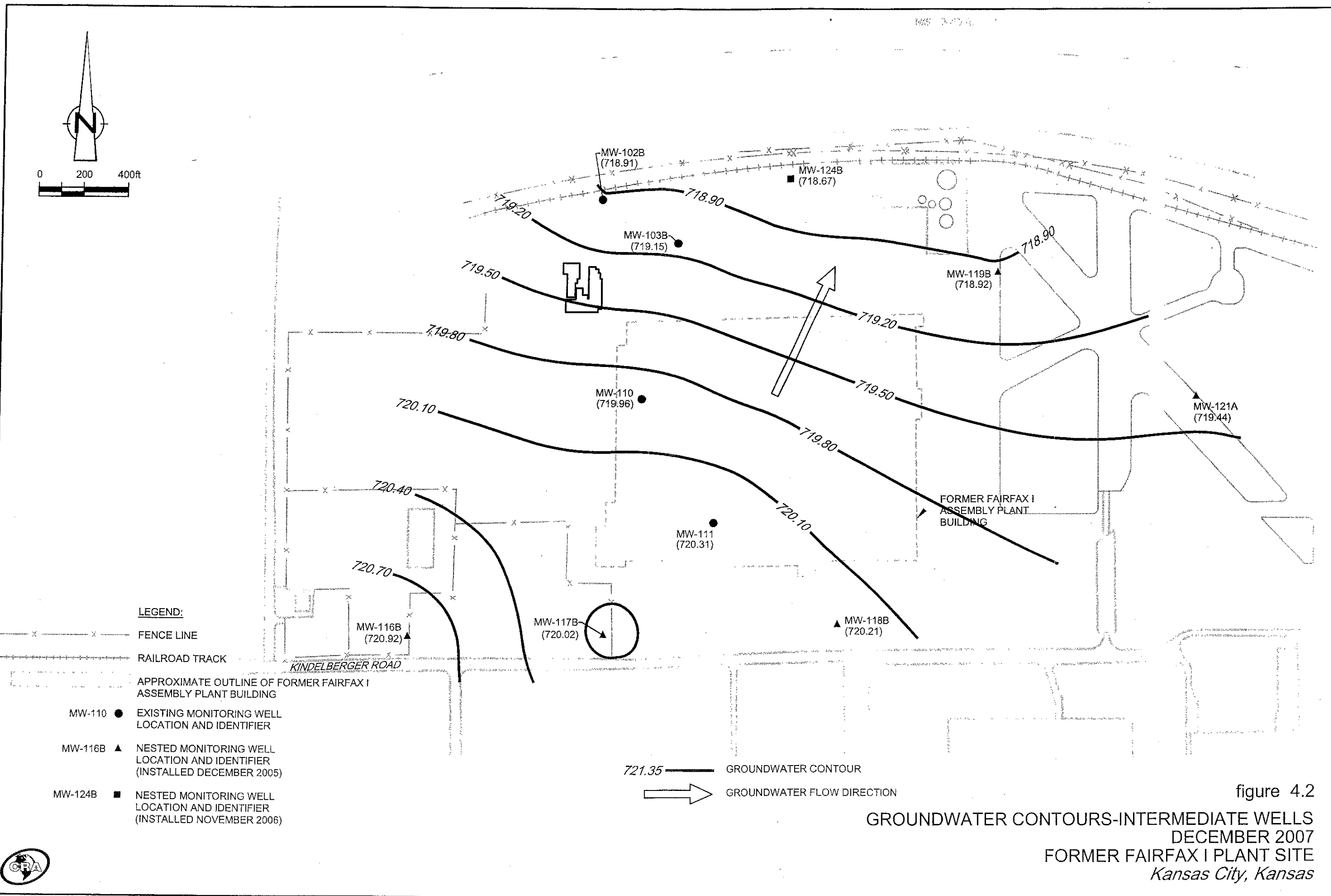


TABLE 1.1

**MONITORING WELL CONSTRUCTION DETAILS**  
**FORMER GM FAIRFAX I PLANT SITE**  
**KANSAS CITY, KANSAS**

| Monitoring Well | Reference Elevation                  |                          | Completion Date | Well Material <sup>2</sup> | Depth                     |                 | Screened Interval |                  |
|-----------------|--------------------------------------|--------------------------|-----------------|----------------------------|---------------------------|-----------------|-------------------|------------------|
|                 | Top of Casing (ft AMSL) <sup>1</sup> | Ground Surface (ft AMSL) |                 |                            | Top (ft bgs) <sup>3</sup> | Bottom (ft bgs) | Top (ft AMSL)     | Bottom (ft AMSL) |
|                 |                                      |                          |                 |                            |                           |                 |                   |                  |
| MW-1            | 746.43                               | 744.2                    | 9/2/87          | PVC                        | -- <sup>4</sup>           | 30.0            | --                | 714.2            |
| MW-1A           | 745.93                               | 743.7                    | 3/27/85         | PVC                        | 15.0                      | 35.0            | 728.7             | 708.7            |
| MW-1B           | 745.40                               | 743.6                    | 3/27/85         | PVC                        | 65.0                      | 85.0            | 678.6             | 658.6            |
| MW-1C           | 746.13                               | 743.6                    | 4/1/85          | PVC                        | 87.0                      | 107.0           | 656.6             | 636.6            |
| MW-102A         | 748.82                               | 746.1                    | 1/9/88          | PVC                        | --                        | 29.3            | --                | 716.9            |
| MW-102B         | 749.15                               | 746.1                    | 1/13/88         | PVC                        | --                        | 61.2            | --                | 684.9            |
| MW-102C         | 749.20                               | 746.2                    | 1/12/88         | PVC                        | --                        | 94.0            | --                | 652.2            |
| MW-103A         | 747.71                               | 745.1                    | 1/88            | SS                         | --                        | 29.6            | --                | 715.5            |
| MW-103B         | 746.30                               | 745.1                    | 1/88            | SS                         | --                        | 61.4            | --                | 683.8            |
| MW-103C         | 745.90                               | 745.1                    | 1/88            | SS                         | --                        | 102.1           | --                | 643.0            |
| MW-104          | 746.51                               | 744.8                    | 1/10/88         | PVC                        | --                        | 28.4            | --                | 716.4            |
| MW-105          | 746.70                               | 744.1                    | 1/8/88          | PVC                        | --                        | 30.2            | --                | 713.9            |
| MW-108          | 747.17                               | 744.0                    | 1/6/88          | PVC                        | --                        | 28.5            | --                | 715.5            |
| MW-109          | 746.11                               | 743.5                    | 6/89            | --                         | --                        | 30.0            | --                | 713.5            |
| MW-110          | 745.79                               | 743.8                    | 4/90            | --                         | --                        | 61.2            | --                | 682.6            |
| MW-110A         | 743.89                               | 743.5                    | --              | --                         | --                        | 36.1            | --                | 707.4            |
| MW-111          | 745.96                               | 744.1                    | 4/90            | --                         | --                        | 59.8            | --                | 684.3            |
| MW-115A         | 748.07                               | 745.7                    | 5/12/99         | PVC                        | 11.7                      | 26.7            | 734.0             | 719.0            |
| MW-116A         | 743.54                               | 743.9                    | 12/16/05        | PVC                        | 24.5                      | 34.5            | 719.4             | 709.4            |
| MW-116B         | 743.37                               | 743.7                    | 12/20/05        | PVC                        | 45.5                      | 58.5            | 698.2             | 685.2            |
| MW-117A         | 743.72                               | 744.0                    | 12/13/05        | PVC                        | 20.0                      | 30.0            | 724.0             | 714.0            |
| MW-117B         | 743.75                               | 744.0                    | 12/15/05        | PVC                        | 49.0                      | 59.0            | 695.0             | 685.0            |
| MW-118A         | 747.02                               | 744.0                    | 12/12/05        | PVC                        | 20.0                      | 30.0            | 724.0             | 714.0            |

TABLE 1.1

**MONITORING WELL CONSTRUCTION DETAILS**  
**FORMER GM FAIRFAX I PLANT SITE**  
**KANSAS CITY, KANSAS**

| Monitoring Well | Reference Elevation                  |                          | Completion Date | Well Material <sup>2</sup> | Screened Interval         |                 |               |                  |
|-----------------|--------------------------------------|--------------------------|-----------------|----------------------------|---------------------------|-----------------|---------------|------------------|
|                 | Top of Casing (ft AMSL) <sup>1</sup> | Ground Surface (ft AMSL) |                 |                            | Depth                     |                 | Elevation     |                  |
|                 |                                      |                          |                 |                            | Top (ft bgs) <sup>3</sup> | Bottom (ft bgs) | Top (ft AMSL) | Bottom (ft AMSL) |
| MW-118B         | 746.86                               | 744.0                    | 12/13/05        | PVC                        | 48.5                      | 58.5            | 695.5         | 685.5            |
| MW-119A         | 746.69                               | 743.7                    | 12/20/05        | PVC                        | 23.5                      | 33.5            | 720.2         | 710.2            |
| MW-119B         | 746.65                               | 743.6                    | 12/21/05        | PVC                        | 49.0                      | 59.0            | 694.6         | 684.6            |
| MW-121A         | 745.53                               | 742.8                    | 12/22/05        | PVC                        | 25.0                      | 35.0            | 717.8         | 707.8            |
| MW-121B         | 745.80                               | 742.9                    | 12/22/05        | PVC                        | 48.5                      | 58.5            | 694.4         | 684.4            |
| MW-124A         | 747.22                               | 744.8                    | 11/10/06        | PVC                        | 25.0                      | 35.0            | 719.8         | 709.8            |
| MW-124B         | 747.15                               | 744.6                    | 11/10/06        | PVC                        | 50.0                      | 60.0            | 694.6         | 684.6            |
| MW-125          | 745.34                               | 742.3                    | 10/31/07        | PVC                        | 25.0                      | 35.0            | 717.3         | 707.3            |
| MW-160A         | 746.56                               | 744.3                    | 3/87            | --                         | --                        | 35.4            | --            | 708.9            |

<sup>1</sup> ft AMSL - feet above mean sea level<sup>2</sup> PVC - polyvinyl chloride; SS - stainless steel<sup>3</sup> ft bgs - feet below ground surface<sup>4</sup> -- information not available

Screened interval data is not available for MW-1, MW-102A/B/C, MW-103A/B/C, MW-104, MW-105, MW-108, MW-110, MW-110A, MW-111, and MW-160A. The approximate bottom of screen elevation was calculated using the difference between the surveyed top of casing elevation and the measured well total depth from 12/3/07; the approximate bottom of screen depth below ground surface was calculated using the difference between the surveyed top of casing and ground surface elevations and the measured total depth from 12/3/07.

TABLE 3.1

**SUMMARY OF MONITORING WELL PURGING PARAMETERS  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

| Location | Date    | Time<br>Purged<br>(minutes) | Depth to<br>Water<br>(ft BGS) <sup>1</sup> | pH<br>(S.U.) <sup>2</sup> | Temperature<br>(°C) <sup>3</sup> | Conductivity<br>(µS/cm) <sup>4</sup> | Dissolved                     |  | ORP<br>(mV) <sup>6</sup> | Turbidity<br>(NTU) <sup>7</sup> | Other                  |
|----------|---------|-----------------------------|--------------------------------------------|---------------------------|----------------------------------|--------------------------------------|-------------------------------|--|--------------------------|---------------------------------|------------------------|
|          |         |                             |                                            |                           |                                  |                                      | Oxygen<br>(mg/L) <sup>5</sup> |  |                          |                                 |                        |
| MW-1     | 12/4/07 | 35                          | 26.00                                      | 6.63                      | 18.8                             | 1,303                                | 0.37                          |  | 6.9                      | 2.50                            | Clear                  |
|          |         | 40                          | 26.00                                      | 6.62                      | 18.8                             | 1,306                                | 0.35                          |  | 9.6                      | 1.22                            | Clear                  |
|          |         | 45                          | 26.00                                      | 6.62                      | 18.8                             | 1,306                                | 0.30                          |  | 10.2                     | 1.12                            | Clear                  |
| MW-1A    | 12/6/07 | 30                          | 25.91                                      | 6.90                      | 15.2                             | 941                                  | 0.53                          |  | -98.7                    | 3.50                            | Clear                  |
|          |         | 35                          | 25.91                                      | 6.87                      | 15.2                             | 943                                  | 0.17                          |  | -106.0                   | 3.55                            | Clear                  |
|          |         | 40                          | 25.91                                      | 6.87                      | 15.2                             | 943                                  | 0.11                          |  | -107.6                   | 2.94                            | Clear                  |
| MW-1B    | 12/6/07 | 10                          | 23.43                                      | 7.13                      | 14.2                             | 940                                  | 0.13                          |  | -120.3                   | 58.5                            | Cloudy                 |
|          |         | 15                          | 23.43                                      | 7.13                      | 14.1                             | 937                                  | 0.10                          |  | -124.8                   | 30.2                            | Cloudy                 |
|          |         | 20                          | 23.43                                      | 7.12                      | 14.1                             | 937                                  | 0.08                          |  | -128.0                   | 20.8                            | Clear                  |
|          |         | 25                          | 23.43                                      | 7.13                      | 14.1                             | 938                                  | 0.06                          |  | -130.5                   | 7.08                            | Clear                  |
|          |         | 30                          | 23.44                                      | 7.13                      | 14.1                             | 939                                  | 0.07                          |  | -132.0                   | 4.03                            | Clear                  |
| MW-1C    | 12/5/07 | 15                          | 26.08                                      | 7.07                      | 14.6                             | 943                                  | 0.19                          |  | -90.1                    | 1.13                            | Clear                  |
|          |         | 20                          | 26.08                                      | 7.07                      | 14.6                             | 943                                  | 0.17                          |  | -94.6                    | 0.74                            | Clear                  |
|          |         | 25                          | 26.08                                      | 7.09                      | 14.6                             | 944                                  | 0.14                          |  | -99.3                    | 0.71                            | Clear                  |
| MW-102A  | 12/5/07 | 10                          | 29.89                                      | 6.65                      | 14.6                             | 1,151                                | 0.30                          |  | -3.0                     | 56.3                            | Brown, slightly cloudy |
|          |         | 20                          | 29.89                                      | 6.64                      | 14.5                             | 1,153                                | 0.19                          |  | 4.0                      | 39.9                            | Brown, slightly cloudy |
|          |         | 30                          | 29.89                                      | 6.61                      | 14.5                             | 1,158                                | 0.16                          |  | 6.0                      | 15.5                            | Clear                  |
|          |         | 35                          | 29.89                                      | 6.60                      | 14.6                             | 1,156                                | 0.13                          |  | 6.8                      | 7.3                             | Clear                  |
|          |         | 40                          | 29.89                                      | 6.60                      | 14.6                             | 1,156                                | 0.14                          |  | 7.2                      | 4.91                            | Clear                  |
| MW-102B  | 12/5/07 | 25                          | 30.25                                      | 7.26                      | 14.5                             | 981                                  | 0.19                          |  | -100.7                   | 1.39                            | Clear                  |
|          |         | 30                          | 30.25                                      | 7.27                      | 14.5                             | 982                                  | 0.16                          |  | -101.9                   | 0.95                            | Clear                  |
|          |         | 35                          | 30.25                                      | 7.29                      | 14.5                             | 981                                  | 0.08                          |  | -121.9                   | --                              | Clear                  |
| MW-102C  | 12/5/07 | 10                          | 30.25                                      | 7.15                      | 14.3                             | 959                                  | 0.09                          |  | -109.3                   | 1.65                            | Clear                  |
|          |         | 15                          | 30.25                                      | 7.15                      | 14.2                             | 959                                  | 0.09                          |  | -113.5                   | 0.78                            | Clear                  |
|          |         | 20                          | 30.24                                      | 7.15                      | 14.2                             | 959                                  | 0.08                          |  | -115.8                   | 0.49                            | Clear                  |

TABLE 3.1

**SUMMARY OF MONITORING WELL PURGING PARAMETERS**  
**FORMER FAIRFAX I PLANT SITE**  
**KANSAS CITY, KANSAS**

| <i>Location</i> | <i>Date</i> | <i>Time Purged (minutes)</i> | <i>Depth to Water (ft BGS)</i> <sup>1</sup> | <i>pH (S.U.)</i> <sup>2</sup> | <i>Temperature (°C)</i> <sup>3</sup> | <i>Conductivity (µS/cm)</i> <sup>4</sup> | <i>Dissolved Oxygen (mg/L)</i> <sup>5</sup> | <i>ORP (mV)</i> <sup>6</sup> | <i>Turbidity (NTU)</i> <sup>7</sup> | <i>Other</i>                                                                    |
|-----------------|-------------|------------------------------|---------------------------------------------|-------------------------------|--------------------------------------|------------------------------------------|---------------------------------------------|------------------------------|-------------------------------------|---------------------------------------------------------------------------------|
| MW-103A         | 12/6/07     |                              |                                             |                               |                                      |                                          |                                             |                              |                                     | Strong odor, purged 3 well volumes/7 gallons and sampled with disposable bailer |
| MW-103B         | 12/5/07     | 10                           | 27.15                                       | 7.15                          | 14.6                                 | 1,131                                    | 0.19                                        | -121.4                       | 1.49                                | Clear                                                                           |
|                 |             | 15                           | 27.15                                       | 7.16                          | 14.7                                 | 1,130                                    | 0.14                                        | -126.6                       | 1.86                                | Clear                                                                           |
|                 |             | 20                           | 27.15                                       | 7.17                          | 14.7                                 | 1,127                                    | 0.10                                        | -13.5                        | 0.97                                | Clear                                                                           |
| MW-103C         | 12/5/07     | 20                           | 26.78                                       | 7.16                          | 14.5                                 | 991                                      | 0.10                                        | -101.3                       | 3.03                                | Clear                                                                           |
|                 |             | 25                           | 26.78                                       | 7.14                          | 14.5                                 | 989                                      | 0.15                                        | -110.9                       | 2.33                                | Clear                                                                           |
|                 |             | 30                           | 26.78                                       | 7.14                          | 14.5                                 | 991                                      | 0.10                                        | -114.4                       | 2.00                                | Clear                                                                           |
| MW-104          | 12/5/07     | 5                            | 27.65                                       | 6.72                          | 14.5                                 | 1,817                                    | 1.01                                        | -101.3                       | 10.1                                | Clear                                                                           |
|                 |             | 10                           | 27.66                                       | 6.73                          | 14.7                                 | 1,837                                    | 0.20                                        | -121.8                       | 7.61                                | Clear                                                                           |
|                 |             | 15                           | 27.66                                       | 6.74                          | 14.7                                 | 1,838                                    | 0.17                                        | -124.9                       | 6.11                                | Clear                                                                           |
|                 |             | 20                           | 27.66                                       | 6.74                          | 14.7                                 | 1,833                                    | 0.13                                        | -129.1                       | 4.80                                | Clear                                                                           |
| MW-105          | 12/5/07     | 15                           | 27.71                                       | 6.70                          | 14.6                                 | 1,325                                    | 0.69                                        | -7.1                         | 0.69                                | Clear                                                                           |
|                 |             | 20                           | 27.71                                       | 6.68                          | 14.5                                 | 1,324                                    | 0.66                                        | -11.9                        | 0.66                                | Clear                                                                           |
|                 |             | 25                           | 27.72                                       | 6.67                          | 14.5                                 | 1,325                                    | 0.59                                        | -18.7                        | 0.59                                | Clear                                                                           |
| MW-108          | 12/5/07     | 5                            | 27.69                                       | 6.66                          | 14.4                                 | 1,255                                    | 0.47                                        | 7.7                          | 1.45                                | Clear                                                                           |
|                 |             | 10                           | 27.69                                       | 6.63                          | 14.4                                 | 1,259                                    | 0.33                                        | 12.7                         | 1.20                                | Clear                                                                           |
|                 |             | 15                           | 27.69                                       | 6.61                          | 14.4                                 | 1,260                                    | 0.27                                        | 16.5                         | 1.12                                | Clear                                                                           |
| MW-109          | 12/6/07     | 15                           | 25.91                                       | 6.69                          | 15.2                                 | 1,308                                    | 0.97                                        | -16.7                        | 4.07                                | Clear                                                                           |
|                 |             | 20                           | 25.91                                       | 6.62                          | 15.3                                 | 1,340                                    | 0.71                                        | -10.0                        | 1.03                                | Clear                                                                           |
|                 |             | 25                           | 25.91                                       | 6.60                          | 15.3                                 | 1,362                                    | 0.54                                        | -5.2                         | 0.74                                | Clear                                                                           |
|                 |             | 30                           | 25.91                                       | 6.58                          | 15.3                                 | 1,368                                    | 0.44                                        | -0.9                         | 0.51                                | Clear                                                                           |
| MW-110          | 12/6/07     | 5                            | 25.85                                       | 7.09                          | 13.8                                 | 982                                      | 0.27                                        | -98.2                        | 4.25                                | Clear                                                                           |
|                 |             | 10                           | 25.86                                       | 7.09                          | 13.9                                 | 989                                      | 0.20                                        | -109.2                       | 3.79                                | Clear                                                                           |
|                 |             | 15                           | 25.86                                       | 7.10                          | 13.9                                 | 1,000                                    | 0.11                                        | -125.1                       | 1.81                                | Clear                                                                           |
|                 |             | 20                           | 25.86                                       | 7.10                          | 13.9                                 | 1,001                                    | 0.09                                        | -126.6                       | 0.88                                | Clear                                                                           |

TABLE 3.1

SUMMARY OF MONITORING WELL PURGING PARAMETERS  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS

| Location | Date    | Time<br>Purged<br>(minutes) | Depth to<br>Water<br>(ft BGS) <sup>1</sup> | pH<br>(S.U.) <sup>2</sup> | Temperature<br>(°C) <sup>3</sup> | Conductivity<br>(µS/cm) <sup>4</sup> | Dissolved<br>Oxygen<br>(mg/L) <sup>5</sup> | ORP<br>(mV) <sup>6</sup> | Turbidity<br>(NTU) <sup>7</sup> | Other           |
|----------|---------|-----------------------------|--------------------------------------------|---------------------------|----------------------------------|--------------------------------------|--------------------------------------------|--------------------------|---------------------------------|-----------------|
| MW-110A  | 12/5/07 | 10                          | 23.42                                      | 6.69                      | 16.3                             | 1,185                                | 0.84                                       | -10.3                    | 11.2                            | Clear           |
|          |         | 15                          | 23.42                                      | 6.69                      | 16.3                             | 1,191                                | 0.57                                       | -4.5                     | 5.76                            | Clear           |
|          |         | 20                          | 23.43                                      | 6.67                      | 16.3                             | 1,196                                | 0.50                                       | -0.5                     | 4.55                            | Clear           |
| MW-111   | 12/6/07 | 5                           | 25.66                                      | 6.88                      | 13.4                             | 1,060                                | 0.54                                       | -47.8                    | 8.52                            | Clear           |
|          |         | 10                          | 25.66                                      | 6.84                      | 13.8                             | 1,095                                | 0.31                                       | -69.0                    | 10.6                            | Clear           |
|          |         | 15                          | 25.66                                      | 6.84                      | 13.8                             | 1,113                                | 0.22                                       | -91.5                    | 6.51                            | Clear           |
|          |         | 20                          | 25.66                                      | 6.85                      | 13.8                             | 1,115                                | 0.12                                       | -102.2                   | 4.53                            | Clear           |
| MW-116A  | 12/4/07 | 10                          | 23.68                                      | 6.61                      | 17.0                             | 1,524                                | 2.63                                       | 130.9                    | 4.33                            | Clear           |
|          |         | 15                          | 23.68                                      | 6.60                      | 17.0                             | 1,527                                | 2.71                                       | 130.8                    | 3.47                            | Clear           |
|          |         | 20                          | 23.69                                      | 6.59                      | 17.0                             | 1,522                                | 2.71                                       | 130.4                    | 2.91                            | Clear           |
| MW-116B  | 12/4/07 | 10                          | 23.56                                      | 7.07                      | 17.3                             | 1,072                                | 3.63                                       | -79.7                    | 3.84                            | Clear           |
|          |         | 15                          | 23.56                                      | 7.04                      | 17.3                             | 1,078                                | 4.31                                       | -97.2                    | 3.89                            | Clear           |
|          |         | 20                          | 23.57                                      | 6.98                      | 17.4                             | 1,108                                | 4.25                                       | -108.6                   | 2.29                            | Clear           |
|          |         | 25                          | 23.57                                      | 6.94                      | 17.4                             | 1,112                                | 4.15                                       | -110.6                   | 2.04                            | Clear           |
|          |         | 30                          | 23.55                                      | 6.91                      | 17.3                             | 1,116                                | 4.09                                       | -110.8                   | 2.10                            | Clear           |
| MW-117A  | 12/4/07 | 15                          | 23.69                                      | 6.63                      | 18.3                             | 1,281                                | 1.83                                       | -20.5                    | 62.3                            | Slightly cloudy |
|          |         | 20                          | 23.69                                      | 6.54                      | 18.4                             | 1,281                                | 1.49                                       | -14.2                    | 22.5                            | Clear           |
|          |         | 25                          | 23.70                                      | 6.53                      | 18.4                             | 1,278                                | 1.34                                       | -9.9                     | 10.4                            | Clear           |
|          |         | 30                          | 23.70                                      | 6.54                      | 18.4                             | 1,278                                | 1.19                                       | -5.2                     | 5.74                            | Clear           |
|          |         | 35                          | 23.70                                      | 6.54                      | 18.4                             | 1,276                                | 1.18                                       | -4.2                     | 3.88                            | Clear           |
| MW-117B  | 12/4/07 | 25                          | 23.75                                      | 6.67                      | 16.7                             | 1,059                                | 0.62                                       | -99.7                    | 18.7                            | Clear           |
|          |         | 30                          | 23.75                                      | 6.75                      | 16.8                             | 1,059                                | 0.61                                       | -100.3                   | 17.4                            | Clear           |
|          |         | 35                          | 23.75                                      | 6.79                      | 16.7                             | 1,056                                | 0.49                                       | -110.4                   | 9.73                            | Clear           |
|          |         | 40                          | 23.75                                      | 6.82                      | 16.7                             | 1,057                                | 0.41                                       | -115.3                   | 5.48                            | Clear           |
|          |         | 45                          | 23.75                                      | 6.84                      | 16.7                             | 1,058                                | 0.37                                       | -117.5                   | 4.49                            | Clear           |

TABLE 3.1

SUMMARY OF MONITORING WELL PURGING PARAMETERS  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS

| Location | Date    | Time<br>Purged<br>(minutes) | Depth to<br>Water<br>(ft BGS) <sup>1</sup> | pH<br>(S.U.) <sup>2</sup> | Temperature<br>(°C) <sup>3</sup> | Conductivity<br>(µS/cm) <sup>4</sup> | Dissolved<br>Oxygen<br>(mg/L) <sup>5</sup> | ORP<br>(mV) <sup>6</sup> | Turbidity<br>(NTU) <sup>7</sup> | Other         |
|----------|---------|-----------------------------|--------------------------------------------|---------------------------|----------------------------------|--------------------------------------|--------------------------------------------|--------------------------|---------------------------------|---------------|
| MW-118A  | 12/4/07 | 5                           | 26.83                                      | 6.74                      | 15.2                             | 1,182                                | 1.03                                       | 36.1                     | 148                             | Brown, cloudy |
|          |         | 15                          | 26.83                                      | 6.65                      | 15.4                             | 1,194                                | 0.76                                       | 44.9                     | 31.0                            | Clear         |
|          |         | 20                          | 26.83                                      | 6.64                      | 15.4                             | 1,196                                | 0.63                                       | 48.2                     | 17.3                            | Clear         |
|          |         | 25                          | 26.84                                      | 6.64                      | 15.5                             | 1,196                                | 0.56                                       | 51.3                     | 11.8                            | Clear         |
|          |         | 30                          | 26.84                                      | 6.64                      | 15.5                             | 1,196                                | 0.56                                       | 52.6                     | 9.03                            | Clear         |
|          |         | 35                          | 26.84                                      | 6.64                      | 15.5                             | 1,195                                | 0.57                                       | 54.3                     | 6.58                            | Clear         |
|          |         | 40                          | 26.84                                      | 6.63                      | 15.5                             | 1,196                                | 0.57                                       | 56.1                     | 4.89                            | Clear         |
|          |         |                             |                                            |                           |                                  |                                      |                                            |                          |                                 |               |
| MW-118B  | 12/4/07 | 10                          | 26.68                                      | 6.87                      | 15.1                             | 1,000                                | 0.36                                       | -96.2                    | 3.12                            | Clear         |
|          |         | 15                          | 26.68                                      | 6.85                      | 15.2                             | 1,000                                | 0.28                                       | -102.2                   | 2.84                            | Clear         |
|          |         | 20                          | 26.69                                      | 6.91                      | 15.2                             | 999                                  | 0.17                                       | -119.5                   | 2.91                            | Clear         |
|          |         | 25                          | 26.68                                      | 6.92                      | 15.2                             | 998                                  | 0.12                                       | -125.8                   | 2.71                            | Clear         |
| MW-119A  | 12/6/07 | 30                          | 27.80                                      | 6.71                      | 16.5                             | 1,338                                | 0.39                                       | -60.5                    | 0.93                            | Clear         |
|          |         | 35                          | 27.80                                      | 6.70                      | 16.5                             | 1,340                                | 0.34                                       | -59.6                    | 0.81                            | Clear         |
|          |         | 40                          | 27.87                                      | 6.69                      | 16.5                             | 1,340                                | 0.29                                       | -58.5                    | 0.85                            | Clear         |
|          |         |                             |                                            |                           |                                  |                                      |                                            |                          |                                 |               |
| MW-119B  | 12/6/07 | 15                          | 27.81                                      | 7.30                      | 14.2                             | 1,001                                | 0.57                                       | -102.3                   | 12.4                            | Clear         |
|          |         | 20                          | 27.81                                      | 7.15                      | 14.5                             | 1,026                                | 0.25                                       | -98.9                    | 9.60                            | Clear         |
|          |         | 25                          | 27.81                                      | 7.14                      | 15.1                             | 1,066                                | 0.17                                       | -115.2                   | 10.7                            | Clear         |
|          |         | 30                          | 27.81                                      | 7.14                      | 14.3                             | 1,040                                | 0.25                                       | -113.2                   | 22.1                            | Cloudy        |
|          |         | 35                          | 27.81                                      | 7.14                      | 15.1                             | 1,060                                | 0.49                                       | -119.1                   | 227                             | Gray, cloudy  |
|          |         | 60                          | 27.85                                      | 7.14                      | 15.0                             | 1,058                                | 0.13                                       | -129.7                   | 10.2                            | Clear         |
|          |         | 65                          | 27.83                                      | 7.14                      | 15.1                             | 1,062                                | 0.12                                       | -132.7                   | 5.64                            | Clear         |
|          |         | 70                          | 27.81                                      | 7.14                      | 15.0                             | 1,062                                | 0.11                                       | -134.1                   | 3.53                            | Clear         |
| MW-121A  | 12/4/07 | 10                          | 26.11                                      | 6.49                      | 15.9                             | 1,377                                | 0.17                                       | 29.1                     | 7.88                            | Clear         |
|          |         | 15                          | 26.11                                      | 6.50                      | 15.9                             | 1,371                                | 0.13                                       | 23.4                     | 4.24                            | Clear         |
|          |         | 20                          | 26.11                                      | 6.48                      | 15.9                             | 1,373                                | 0.10                                       | 19.8                     | 2.47                            | Clear         |

TABLE 3.1

SUMMARY OF MONITORING WELL PURGING PARAMETERS  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS

| Location | Date    | Time<br>Purged<br>(minutes) | Depth to<br>Water<br>(ft BGS) <sup>1</sup> | pH<br>(S.U.) <sup>2</sup> | Temperature<br>(°C) <sup>3</sup> | Conductivity<br>(µS/cm) <sup>4</sup> | Dissolved<br>Oxygen<br>(mg/L) <sup>5</sup> | ORP<br>(mV) <sup>6</sup> | Turbidity<br>(NTU) <sup>7</sup> | Other           |
|----------|---------|-----------------------------|--------------------------------------------|---------------------------|----------------------------------|--------------------------------------|--------------------------------------------|--------------------------|---------------------------------|-----------------|
| MW-121B  | 12/4/07 | 15                          | 26.37                                      | 6.88                      | 15.3                             | 1,014                                | 0.09                                       | -116.4                   | 2.47                            | Clear           |
|          |         | 20                          | 26.37                                      | 6.89                      | 15.3                             | 1,013                                | 0.07                                       | -122.6                   | 1.74                            | Clear           |
|          |         | 25                          | 26.37                                      | 6.92                      | 15.3                             | 1,012                                | 0.07                                       | -127.5                   | 1.26                            | Clear           |
| MW-124A  | 12/5/07 | 10                          | 28.57                                      | 6.60                      | 14.9                             | 1,369                                | 0.25                                       | -80.9                    | 15.0                            | Clear           |
|          |         | 15                          | 28.57                                      | 6.63                      | 15.0                             | 1,376                                | 0.17                                       | -87.7                    | 5.79                            | Clear           |
|          |         | 20                          | 28.57                                      | 6.63                      | 15.0                             | 1,397                                | 0.15                                       | -92.6                    | 3.00                            | Clear           |
|          |         | 25                          | 28.58                                      | 6.62                      | 15.0                             | 1,381                                | 0.15                                       | -94.6                    | 2.87                            | Clear           |
| MW-124B  | 12/5/07 | 20                          | 28.49                                      | 7.03                      | 14.7                             | 1,239                                | 5.35                                       | -109.1                   | 9.50                            | Clear           |
|          |         | 25                          | 28.49                                      | 7.02                      | 14.7                             | 1,239                                | 5.29                                       | -109.2                   | 6.99                            | Clear           |
|          |         | 30                          | 28.49                                      | 6.99                      | 14.8                             | 1,241                                | 4.56                                       | -111.5                   | 4.51                            | Clear           |
| MW-125A  | 12/6/07 | 5                           | 26.34                                      | 6.69                      | 14.5                             | 1,301                                | 0.83                                       | -12.5                    | 45.2                            | Slightly cloudy |
|          |         | 10                          | 26.34                                      | 6.63                      | 14.1                             | 1,254                                | 0.21                                       | -31.5                    | 28.1                            | Clear           |
|          |         | 15                          | 26.34                                      | 6.65                      | 14.2                             | 1,243                                | 0.13                                       | -43.5                    | 10.9                            | Clear           |
|          |         | 20                          | 23.34                                      | 6.66                      | 14.2                             | 1,242                                | 0.11                                       | -51.8                    | 6.31                            | Clear           |
|          |         | 25                          | 23.34                                      | 6.67                      | 14.2                             | 1,239                                | 0.09                                       | -56.8                    | 4.43                            | Clear           |
| MW-160A  | 12/4/07 | 5                           | 27.60                                      | 6.54                      | 16.4                             | 1,347                                | 1.12                                       | -21.4                    | 56.7                            | Brown, cloudy   |
|          |         | 10                          | 27.61                                      | 6.51                      | 16.5                             | 1,343                                | 0.59                                       | -30.3                    | 18.5                            | Clear           |
|          |         | 15                          | 27.61                                      | 6.52                      | 16.5                             | 1,352                                | 0.32                                       | -37.8                    | 10.1                            | Clear           |
|          |         | 20                          | 27.60                                      | 6.52                      | 16.4                             | 1,353                                | 0.21                                       | -41.9                    | 6.27                            | Clear           |
|          |         | 25                          | 27.60                                      | 6.52                      | 16.4                             | 1,354                                | 0.16                                       | -45.2                    | 4.26                            | Clear           |

<sup>1</sup> ft BGS - feet below ground surface<sup>2</sup> S.U. - standard units<sup>3</sup> °C - degrees Celsius<sup>4</sup> µS/cm - microsiemens per centimeter<sup>5</sup> mg/L - milligrams per liter<sup>6</sup> mV - millivolts<sup>7</sup> NTU - nephelometric turbidity units

TABLE 4.1

SUMMARY OF GROUNDWATER ELEVATIONS  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS

| Monitoring<br>Well | Top of Casing<br>Elevation<br>(ft AMSL) <sup>1</sup> | September 2007                              |                                       | December 2007                  |                                       |
|--------------------|------------------------------------------------------|---------------------------------------------|---------------------------------------|--------------------------------|---------------------------------------|
|                    |                                                      | Depth to<br>Water<br>(ft BTOC) <sup>2</sup> | Groundwater<br>Elevation<br>(ft AMSL) | Depth to<br>Water<br>(ft BTOC) | Groundwater<br>Elevation<br>(ft AMSL) |
| MW-1               | 746.43                                               | 24.13                                       | 722.30                                | 25.98                          | 720.45                                |
| MW-1A              | 745.93                                               | 23.85                                       | 722.08                                | 25.87                          | 720.06                                |
| MW-1B              | 745.40                                               | 23.30                                       | 722.10                                | 25.36                          | 720.04                                |
| MW-1C              | 746.13                                               | 24.00                                       | 722.13                                | 26.06                          | 720.07                                |
| MW-102A            | 748.82                                               | 26.45                                       | 722.37                                | 29.86                          | 718.96                                |
| MW-102B            | 749.15                                               | 26.60                                       | 722.55                                | 30.24                          | 718.91                                |
| MW-102C            | 749.20                                               | 26.80                                       | 722.40                                | 30.24                          | 718.96                                |
| MW-103A            | 747.71                                               | 25.21                                       | 722.50                                | 28.65                          | 719.06                                |
| MW-103B            | 746.30                                               | 23.78                                       | 722.52                                | 27.15                          | 719.15                                |
| MW-103C            | 745.90                                               | 23.38                                       | 722.52                                | 26.75                          | 719.15                                |
| MW-104             | 746.51                                               | 24.03                                       | 722.48                                | 27.45                          | 719.06                                |
| MW-105             | 746.70                                               | 24.41                                       | 722.29                                | 27.66                          | 719.04                                |
| MW-108             | 747.17                                               | 24.91                                       | 722.26                                | 27.74                          | 719.43                                |
| MW-109             | 746.11                                               | 23.85                                       | 722.26                                | 25.88                          | 720.23                                |
| MW-110             | 745.79                                               | 23.43                                       | 722.36                                | 25.83                          | 719.96                                |
| MW-110A            | 743.89                                               | 22.25                                       | 721.64                                | 23.36                          | 720.53                                |
| MW-111             | 745.96                                               | 23.86                                       | 722.10                                | 25.65                          | 720.31                                |
| MW-115A            | 748.07                                               | 25.56                                       | 722.51                                | 28.82                          | 719.25                                |
| MW-116A            | 743.54                                               | 21.18                                       | 722.36                                | 23.62                          | 719.92                                |
| MW-116B            | 743.37                                               | 21.00                                       | 722.37                                | 22.45                          | 720.92                                |
| MW-117A            | 743.72                                               | 21.66                                       | 722.06                                | 23.68                          | 720.04                                |
| MW-117B            | 743.75                                               | 21.73                                       | 722.02                                | 23.73                          | 720.02                                |
| MW-118A            | 747.02                                               | 25.86                                       | 721.16                                | 26.81                          | 720.21                                |
| MW-118B            | 746.86                                               | 25.70                                       | 721.16                                | 26.65                          | 720.21                                |
| MW-119A            | 746.69                                               | 24.87                                       | 721.82                                | 27.77                          | 718.92                                |
| MW-119B            | 746.65                                               | 24.84                                       | 721.81                                | 27.73                          | 718.92                                |
| MW-121A            | 745.53                                               | 24.00                                       | 721.53                                | 26.09                          | 719.44                                |
| MW-121B            | 745.80                                               | 24.25                                       | 721.55                                | 26.36                          | 719.44                                |
| MW-124A            | 747.22                                               | 25.13                                       | 722.09                                | 28.56                          | 718.66                                |
| MW-124B            | 747.15                                               | 25.06                                       | 722.09                                | 28.48                          | 718.67                                |
| MW-125             | 745.34                                               | 22.54                                       | 722.80 <sup>3</sup>                   | 26.34                          | 719.00                                |
| MW-160A            | 746.56                                               | 24.52                                       | 722.04                                | 27.58                          | 718.98                                |

<sup>1</sup> ft AMSL - feet above mean sea level

<sup>2</sup> ft BTOC - feet below top of casing

<sup>3</sup> MW-125 - depth to water measured November 1, 2007

TABLE 4.2  
SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS

| Sample Location:                               |       | MW-1                                               | MW-1A                                                  | MW-1B                  | MW-1B            | MW-1C            | MW-102A          | MW-102B          | MW-102C          | MW-103A           | MW-103A           | MW-103B          | MW-103C          |
|------------------------------------------------|-------|----------------------------------------------------|--------------------------------------------------------|------------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|------------------|------------------|
| Sample ID:                                     |       | GW-120407-JH-005                                   | GW-120607-JH-029                                       | GW-120607-JH-027       | GW-120607-JH-028 | GW-120507-JH-024 | GW-120507-JH-014 | GW-120507-JH-015 | GW-120507-JH-016 | GW-120607-JH-030  | GW-120607-JH-031  | GW-120507-JH-021 | GW-120507-JH-020 |
| Sample Date:                                   |       | 12/4/2007                                          | 12/6/2007                                              | 12/6/2007              | 12/6/2007        | 12/5/2007        | 12/5/2007        | 12/5/2007        | 12/5/2007        | 12/6/2007         | 12/6/2007         | 12/5/2007        | 12/5/2007        |
| Sample Type:                                   |       | Residential<br>GW Pathway<br>Scenario <sup>1</sup> | Non-Residential<br>GW Pathway<br>Scenario <sup>1</sup> | Duplicate              |                  |                  |                  |                  |                  |                   |                   |                  |                  |
| Parameters                                     |       | a                                                  | b                                                      |                        |                  |                  |                  |                  |                  |                   |                   |                  |                  |
| Volatile Organic Compounds (mg/L) <sup>2</sup> |       |                                                    |                                                        |                        |                  |                  |                  |                  |                  |                   |                   |                  |                  |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)  | 0.07  | 0.23                                               | 0.01 U <sup>3</sup>                                    | 0.01 U                 | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           | 160 <sup>ab</sup> | 160 <sup>ab</sup> | 0.01 U           | 0.01 U           |
| Chlorobenzene                                  | 0.1   | 0.1                                                | 0.001 U                                                | 0.001 U                | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 5 U               | 5 U               | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                         | 0.07  | 0.07                                               | 0.0005 U                                               | 0.00036 J <sup>4</sup> | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         | 2.5 U             | 2.5 U             | 0.0064           | 0.0005 U         |
| Ethylbenzene                                   | 0.7   | 0.7                                                | 0.001 U                                                | 0.001 U                | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 8 <sup>ab</sup>   | 7.5 <sup>ab</sup> | 0.001 U          | 0.001 U          |
| Methylene chloride                             | 0.005 | 0.005                                              | 0.001 U                                                | 0.001 U                | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 5 U               | 5 U               | 0.001 U          | 0.001 U          |
| Tetrachloroethene                              | 0.005 | 0.005                                              | 0.001 U                                                | 0.001 U                | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 5 U               | 5 U               | 0.001 U          | 0.001 U          |
| Toluene                                        | 1     | 1                                                  | 0.001 U                                                | 0.001 U                | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 150 <sup>ab</sup> | 140 <sup>ab</sup> | 0.00026 J        | 0.001 U          |
| trans-1,2-Dichloroethene                       | 0.1   | 0.1                                                | 0.0005 U                                               | 0.0005 U               | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         | 2.5 U             | 2.5 U             | 0.0005 U         | 0.0005 U         |
| Trichloroethene                                | 0.005 | 0.005                                              | 0.001 U                                                | 0.001 U                | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 5 U               | 5 U               | 0.001 U          | 0.001 U          |
| Vinyl chloride                                 | 0.002 | 0.002                                              | 0.001 U                                                | 0.001 U                | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 5 U               | 5 U               | 0.001            | 0.001 U          |
| Xylene (total)                                 | 10    | 10                                                 | 0.001 U                                                | 0.001 U                | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 57 <sup>ab</sup>  | 56 <sup>ab</sup>  | 0.001 U          | 0.001 U          |
| Petroleum Products                             |       |                                                    |                                                        |                        |                  |                  |                  |                  |                  |                   |                   |                  |                  |
| Total Petroleum Hydrocarbons - purgeable (GRO) | 0.500 | 0.500                                              | 0.1 U                                                  | 0.1 U                  | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U            | 470 <sup>ab</sup> | 540 <sup>ab</sup> | 0.1 U            | 0.1 U            |

TABLE 4.2

SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS

| Sample Location:                                     |                                                    | MW-104                                                 | MW-105           | MW-108           | MW-109           | MW-110           | MW-110           | MW-110A          | MW-111               | MW-111              | MW-116A              | MW-116B          | MW-117A          |
|------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|---------------------|----------------------|------------------|------------------|
| Sample ID:                                           |                                                    | GW-120507-JH-019                                       | GW-120507-JH-018 | GW-120507-JH-017 | GW-120607-JH-033 | GW-120607-JH-037 | GW-120607-JH-038 | GW-120507-JH-023 | GW-120607-JH-035     | GW-120607-JH-036    | GW-120407-JH-001     | GW-120407-JH-002 | GW-120407-JH-003 |
| Sample Date:                                         |                                                    | 12/5/2007                                              | 12/5/2007        | 12/5/2007        | 12/6/2007        | 12/6/2007        | 12/6/2007        | 12/5/2007        | 12/6/2007            | 12/6/2007           | 12/4/2007            | 12/4/2007        | 12/4/2007        |
| Sample Type:                                         | Residential<br>GW Pathway<br>Scenario <sup>1</sup> | Non-Residential<br>GW Pathway<br>Scenario <sup>1</sup> |                  |                  |                  |                  | Duplicate        |                  |                      | Duplicate           |                      |                  |                  |
| Parameters                                           | a                                                  | b                                                      |                  |                  |                  |                  |                  |                  |                      |                     |                      |                  |                  |
| <b>Volatile Organic Compounds (mg/L)<sup>2</sup></b> |                                                    |                                                        |                  |                  |                  |                  |                  |                  |                      |                     |                      |                  |                  |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)        | 0.07                                               | 0.23                                                   | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           | 0.033 U              | 0.033 U             | 0.01 U               | 0.01 U           | 0.01 U           |
| Chlorobenzene                                        | 0.1                                                | 0.1                                                    | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.0033 U             | 0.0033 U            | 0.001 U              | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                               | 0.07                                               | 0.07                                                   | 0.00022 J        | 0.0037           | 0.0005 U         | 0.02             | 0.00033 J        | 0.00035 J        | 0.0019               | 0.088 <sup>3b</sup> | 0.089 <sup>3b</sup>  | 0.0005 U         | 0.0005 U         |
| Ethylbenzene                                         | 0.7                                                | 0.7                                                    | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U              | 0.0033 U            | 0.0033 U             | 0.001 U          | 0.001 U          |
| Methylene chloride                                   | 0.005                                              | 0.005                                                  | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U              | 0.0017 J            | 0.0028 J             | 0.001 U          | 0.001 U          |
| Tetrachloroethene                                    | 0.005                                              | 0.005                                                  | 0.001 U          | 0.00035 J        | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.0096 <sup>3b</sup> | 0.0033 U            | 0.0033 U             | 0.001 U          | 0.001 U          |
| Toluene                                              | 1                                                  | 1                                                      | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U              | 0.0033 U            | 0.0033 U             | 0.00022 J        | 0.001 U          |
| trans-1,2-Dichloroethene                             | 0.1                                                | 0.1                                                    | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0015           | 0.0005 U         | 0.0005 U         | 0.0005 U             | 0.0062              | 0.006                | 0.0005 U         | 0.0005 U         |
| Trichloroethene                                      | 0.005                                              | 0.005                                                  | 0.001 U          | 0.00075 J        | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.0014               | 0.0033 U            | 0.0033 U             | 0.001 U          | 0.001 U          |
| Vinyl chloride                                       | 0.002                                              | 0.002                                                  | 0.001 U          | 0.001 U          | 0.001 U          | 0.00029 J        | 0.001 U          | 0.001 U          | 0.001 U              | 0.007 <sup>3b</sup> | 0.0067 <sup>3b</sup> | 0.001 U          | 0.001 U          |
| Xylene (total)                                       | 10                                                 | 10                                                     | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U              | 0.0033 U            | 0.0033 U             | 0.001 U          | 0.001 U          |
| <b>Petroleum Products</b>                            |                                                    |                                                        |                  |                  |                  |                  |                  |                  |                      |                     |                      |                  |                  |
| Total Petroleum Hydrocarbons - purgeable (GRO)       | 0.500                                              | 0.500                                                  | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U                | 0.13 U              | 0.12 U               | 0.1 U            | 0.1 U            |

TABLE 4.2  
SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS

|                                                |                                                    |                                                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Sample Location:                               |                                                    |                                                        | MW-117B          | MW-118A          | MW-118B          | MW-119A          | MW-119B          | MW-121A          | MW-121B          | MW-124A          | MW-124B          | MW-125           | MW-160A          |
| Sample ID:                                     |                                                    |                                                        | GW-120407-JH-004 | GW-120407-JH-006 | GW-120407-JH-007 | GW-120607-JH-026 | GW-120607-JH-025 | GW-120407-JH-008 | GW-120407-JH-009 | GW-120507-JH-011 | GW-120507-JH-012 | GW-120607-JH-032 | GW-120407-JH-010 |
| Sample Date:                                   |                                                    |                                                        | 12/4/2007        | 12/4/2007        | 12/4/2007        | 12/6/2007        | 12/6/2007        | 12/4/2007        | 12/4/2007        | 12/5/2007        | 12/5/2007        | 12/6/2007        | 12/4/2007        |
| Sample Type:                                   | Residential<br>GW Pathway<br>Scenario <sup>1</sup> | Non-Residential<br>GW Pathway<br>Scenario <sup>1</sup> |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Parameters                                     | a                                                  | b                                                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Volatile Organic Compounds (mg/L) <sup>2</sup> |                                                    |                                                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)  | 0.07                                               | 0.23                                                   | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           |
| Chlorobenzene                                  | 0.1                                                | 0.1                                                    | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.00023 J        | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                         | 0.07                                               | 0.07                                                   | 0.0013           | 0.0031           | 0.0028           | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.00022 J        | 0.00048 J        | 0.0005 U         |
| Ethylbenzene                                   | 0.7                                                | 0.7                                                    | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Methylene chloride                             | 0.005                                              | 0.005                                                  | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Tetrachloroethene                              | 0.005                                              | 0.005                                                  | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.00047 J        | 0.001 U          |
| Toluene                                        | 1                                                  | 1                                                      | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| trans-1,2-Dichloroethene                       | 0.1                                                | 0.1                                                    | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         |
| Trichloroethene                                | 0.005                                              | 0.005                                                  | 0.001 U          | 0.00064 J        | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Vinyl chloride                                 | 0.002                                              | 0.002                                                  | 0.001 U          | 0.001 U          | 0.00036 J        | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Xylene (total)                                 | 10                                                 | 10                                                     | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Petroleum Products                             |                                                    |                                                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Total Petroleum Hydrocarbons - purgeable (GRO) | 0.500                                              | 0.500                                                  | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U            | 0.1 U            |

<sup>1</sup> Risk-Based Standards for Kansas RSK Manual - 4th Version, Appendix A, June 2007  
<sup>2</sup> mg/L - milligrams per liter  
<sup>3</sup> U - not present at or above the associated value  
<sup>4</sup> J - estimated concentration  
<sup>5</sup> Box denotes exceedence of KDHE criteria  
<sup>ab</sup> The letter a and/or b represents the Risk-Based Standard exceeded, respectively

ATTACHMENT A

DATA QUALITY ASSESSMENT AND VALIDATION MEMORANDUM



**CONESTOGA-ROVERS  
& ASSOCIATES**

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## MEMORANDUM

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TO: Phil Harvey (Chicago)

FROM: Susan C. Scrocchi/jbh/745

C.C.: Patricia Klick (Chicago), Dennis Hoyt

RE: Data Quality Assessment and Validation  
Quarterly Groundwater Sampling Event  
GM Fairfax  
December 2007

REF. NO.: 017307-095007

DATE: January 16, 2008  
Via E-Mail and U.S. Mail

PREVIOUSLY TRANSMITTED  
BY E-MAIL

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The following details a quality assessment and validation of the analytical data resulting from the December 2007 collection of the quarterly groundwater samples from the General Motors (GM) Fairfax Site in Kansas City, Kansas. The sample summary detailing sample identification, sample location, quality control (QC) samples, and analytical parameters is presented in Table 1. Sample analysis was completed at TestAmerica Inc. (TestAmerica), in North Canton, Ohio, in accordance with the methodologies presented in Table 2.

The QC criteria used to assess the data were established by the methods and the guidance document, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99/008, October 1999.

These guidelines are collectively referred to as "Guidelines" in this memorandum.

### Sample Quantitation

The laboratory reported detected concentrations of volatile organic compounds (VOC) and Total Petroleum Hydrocarbon-Gasoline Range Organic (TPH-GRO), below the laboratory's practical quantitation limit (PQL)/report limit (RL) but above the laboratory's method detection limit (MDL). The laboratory flagged these sample concentrations with a "J". These concentrations should be qualified as estimated (J) values unless qualified otherwise in this memorandum.

### Sample Preservation and Holding Times

Sample holding time periods and preservation requirements are summarized in the analytical methods. All sample extractions and/or analyses were performed within the specified holding times.

All samples were properly preserved and cooled to 4°C(±2°C) after collection.

Method Blank Samples

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

Method blanks were analyzed at the recommended frequency. Methylene chloride was present at 0.58 parts per billion (ppb) on December 11, 2007. All associated sample results were non-detect and would not have been impacted.

Surrogate Compounds - Organic Analyses

Individual sample performance for organic analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report.

All surrogate recoveries met the method criteria, demonstrating acceptable analytical efficiency for these analyses.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To assess the long term accuracy and precision of the analytical methods on various matrices, MS/MSD percent recoveries and relative percent differences (RPD) of the concentrations were determined. The organic MS/MSD percent recovery and RPD control limits are established by the laboratory.

All MS/MSD recoveries were acceptable indicating good analytical accuracy and precision.

Laboratory Control Sample/Laboratory control Sample Duplicate (LCS/LCSD)

The LCS analysis serves as a monitor of the overall performance in all steps of the sample analysis and are analyzed with each sample batch. The LCS percent recoveries were evaluated against method and laboratory established control limits.

The LCS/LCSD percent recoveries were all within the laboratory control limits indicating acceptable analytical accuracy and precision.

Target Compound Identification

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra (if applicable) were evaluated according to identification criteria established by the methods. The organic compounds reported adhered to the specified identification criteria.

Field Quality Assurance/Quality Control (QA/QC)

The field QA/QC consisted of three equipment blank sample, four field duplicate sample sets and two trip blanks.

## CRA MEMORANDUM

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To assess the cleanliness of sample containers and the presence of field contamination, the equipment blank samples identified in Table 1 were collected and analyzed.

Chloroform, acetone and TPH-GRO were present at low concentrations in the rinse blanks. All associated sample results were with similar concentrations were qualified as non-detect (see Table 3).

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample sets. The RPDs associated with these duplicate samples must be less than 50 percent for water. If the reported concentration in either the investigative sample or its duplicate is less than five times the RL, the evaluation criteria is one times the RL value for water.

All field duplicate results were acceptable indicating good field and analytical precision.

To monitor potential cross-contamination of VOC during aqueous sample transportation and storage, a trip blank was submitted to the laboratory for VOC analysis with each shipping cooler containing multiple samples.

All trip blank results were non-detect for the compounds of interest with the exception of a low concentration of acetone. All associated sample results were non-detect and would not have been impacted.

### Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications noted.

TABLE 1  
SAMPLE COLLECTION AND ANALYSIS SUMMARY  
QUARTERLY GROUNDWATER SAMPLING EVENT  
GENERAL MOTORS FAIRFAX  
KANSAS CITY, KANSAS  
DECEMBER 2007

| Sample I.D.               | Location I.D.   | Collection<br>Date<br>(mm/dd/yy) | Collection<br>Time<br>(hr:min) | <u>Analysis/Parameters</u> |         | Comments                            |
|---------------------------|-----------------|----------------------------------|--------------------------------|----------------------------|---------|-------------------------------------|
|                           |                 |                                  |                                | TCL VOCs                   | TPH-GRO |                                     |
| GW-120407-JH-001          | MW-116A         | 12/04/07                         | 9:00                           | X                          | X       |                                     |
| GW-120407-JH-002          | MW-116B         | 12/04/07                         | 9:55                           | X                          | X       |                                     |
| GW-120407-JH-003          | MW-117A         | 12/04/07                         | 11:00                          | X                          | X       |                                     |
| GW-120407-JH-004          | MW-117B         | 12/04/07                         | 11:30                          | X                          | X       |                                     |
| GW-120407-JH-005          | MW-1            | 12/04/07                         | 13:20                          | X                          | X       |                                     |
| GW-120407-JH-006          | MW-118A         | 12/04/07                         | 14:40                          | X                          | X       |                                     |
| GW-120407-JH-007          | MW-118B         | 12/04/07                         | 14:55                          | X                          | X       |                                     |
| GW-120407-JH-008          | MW-121A         | 12/04/07                         | 15:45                          | X                          | X       |                                     |
| GW-120407-JH-009          | MW-121B         | 12/04/07                         | 16:00                          | X                          | X       |                                     |
| GW-120407-JH-010          | MW-160A         | 12/04/07                         | 16:50                          | X                          | X       |                                     |
| GW-120507-JH-011          | MW-124A         | 12/05/07                         | 8:55                           | X                          | X       |                                     |
| GW-120507-JH-012          | MW-124B         | 12/05/07                         | 9:15                           | X                          | X       |                                     |
| RW-120507-JH-013          | Equipment Blank | 12/05/07                         | 9:40                           | X                          | X       |                                     |
| GW-120507-JH-014          | MW-102A         | 12/05/07                         | 10:50                          | X                          | X       |                                     |
| GW-120507-JH-015          | MW-102B         | 12/05/07                         | 11:10                          | X                          | X       |                                     |
| Trip Blank-A              | Trip Blank      | 12/05/07                         | -                              | X                          |         |                                     |
| GW-120507-JH-016          | MW-102C         | 12/05/07                         | 11:30                          | X                          | X       |                                     |
| GW-120507-JH-017          | MW-108          | 12/05/07                         | 13:05                          | X                          | X       |                                     |
| GW-120507-JH-018          | MW-105          | 12/05/07                         | 13:50                          | X                          | X       |                                     |
| GW-120507-JH-019          | MW-104          | 12/05/07                         | 14:20                          | X                          | X       |                                     |
| GW-120507-JH-020          | MW-103C         | 12/05/07                         | 14:50                          | X                          | X       |                                     |
| GW-120507-JH-021          | MW-103B         | 12/05/07                         | 15:05                          | X                          | X       |                                     |
| RW-120507-JH-022          | Equipment Blank | 12/05/07                         | 15:20                          | X                          | X       |                                     |
| GW-120507-JH-023          | MW-110A         | 12/05/07                         | 16:05                          | X                          | X       |                                     |
| GW-120507-JH-024          | MW-1C           | 12/05/07                         | 16:45                          | X                          | X       |                                     |
| GW-120607-JH-025          | MW-119B         | 12/06/07                         | 9:15                           | X                          | X       |                                     |
| GW-120607-JH-026          | MW-119A         | 12/06/07                         | 9:30                           | X                          | X       |                                     |
| GW-120607-JH-027          | MW-1B           | 12/06/07                         | 10:30                          | X                          | X       |                                     |
| GW-120607-JH-028          | MW-1B           | 12/06/07                         | 10:45                          | X                          | X       | Field duplicate of GW-120607-JH-027 |
| GW-120607-JH-029          | MW-1A           | 12/06/07                         | 11:15                          | X                          | X       |                                     |
| GW-120607-JH-030          | MW-103A         | 12/06/07                         | 12:00                          | X                          | X       |                                     |
| GW-120607-JH-031          | MW-103A         | 12/06/07                         | 12:30                          | X                          | X       | Field duplicate of GW-120607-JH-030 |
| GW-120607-JH-032          | MW-125A         | 12/06/07                         | 13:40                          | X                          | X       |                                     |
| GW-120607-JH-033          | MW-109          | 12/06/07                         | 14:20                          | X                          | X       |                                     |
| RW-120607-JH-034          | Equipment Blank | 12/06/07                         | 14:30                          | X                          | X       |                                     |
| GW-120607-JH-035          | MW-111          | 12/06/07                         | 15:10                          | X                          | X       |                                     |
| GW-120607-JH-036          | MW-111          | 12/06/07                         | 15:30                          | X                          | X       | Field duplicate of GW-120607-JH-035 |
| GW-120607-JH-037          | MW-110          | 12/06/07                         | 15:55                          | X                          | X       |                                     |
| GW-120607-JH-038          | MW-110          | 12/06/07                         | 16:30                          | X                          | X       | Field duplicate of GW-120607-JH-037 |
| Trip Blank B Cooler 68187 | Trip Blank      | 12/06/07                         | -                              | X                          |         |                                     |
| Trip Blank C Cooler 68182 | Trip Blank      | 12/06/07                         | -                              | X                          |         |                                     |

Notes:

- Not applicable.  
GRO Gasoline Range Organic.  
TCL Target Compound List.  
TPH Total Petroleum Hydrocarbon.  
VOC Volatile Organic Compound.

TABLE 2  
SUMMARY OF ANALYTICAL METHODS  
QUARTERLY GROUNDWATER SAMPLING EVENT  
GENERAL MOTORS FAIRFAX  
KANSAS CITY, KANSAS  
DECEMBER 2007

| <i>Parameter</i> | <i>Method</i> <sup>1</sup> |
|------------------|----------------------------|
| TCL VOCs         | SW-846 8260B               |
| TPH-GRO          | SW-846 8015                |

Notes:

<sup>1</sup> "Test Methods for Solid Waste/Physical Chemical Methods",  
SW-846, 3rd Edition, September 1986 (with all subsequent  
revisions).

GRO Gasoline Range Organic.  
TCL Target Compound List.  
TPH Total Petroleum Hydrocarbon.  
VOCs Volatile Organic Compounds.

TABLE 3  
 QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE RINSE BLANKS  
 QUARTERLY GROUNDWATER SAMPLING EVENT  
 GENERAL MOTORS FAIRFAX  
 KANSAS CITY, KANSAS  
 DECEMBER 2007

| <i>Parameter</i> | <i>Rinse Blank<br/>Date</i> | <i>Analyte</i>        | <i>Blank<br/>Result</i> | <i>Sample ID</i> | <i>Sample<br/>Result</i> | <i>Qualified<br/>Sample<br/>Result</i> | <i>Units</i> |
|------------------|-----------------------------|-----------------------|-------------------------|------------------|--------------------------|----------------------------------------|--------------|
| TPH-GRO          | 12/4-6/07                   | TPH - purgeable (GRO) | 45                      | GW-120407-JH-001 | 60 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120407-JH-002 | 33 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120407-JH-003 | 45 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120407-JH-004 | 45 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120407-JH-005 | 30 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120407-JH-006 | 41 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120407-JH-007 | 40 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120407-JH-008 | 36 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120407-JH-009 | 33 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120407-JH-010 | 33 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120507-JH-011 | 36 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120507-JH-012 | 35 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120507-JH-014 | 32 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120507-JH-015 | 30 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120507-JH-016 | 33 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120507-JH-017 | 28 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120507-JH-020 | 31 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120507-JH-021 | 31 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120507-JH-023 | 33 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120607-JH-025 | 31 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120607-JH-026 | 33 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120607-JH-028 | 30 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120607-JH-032 | 50 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120607-JH-033 | 56 J                     | 100 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120607-JH-035 | 130                      | 130 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120607-JH-036 | 120                      | 120 U                                  | ug/L         |
|                  |                             |                       |                         | GW-120607-JH-037 | 29 J                     | 100 U                                  | ug/L         |

Notes:

GRO Gasoline Range Organic.  
 J Estimated.  
 TPH Total Petroleum Hydrocarbon.  
 U Not detected.

**ATTACHMENT B**

**HISTORICAL SUMMARY OF GROUNDWATER ANALYTICAL DATA**

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

|                                               |                                                  |                  |                        |                  |                  |
|-----------------------------------------------|--------------------------------------------------|------------------|------------------------|------------------|------------------|
| <i>Sample Location:</i>                       | MW-1                                             | MW-1             | MW-1                   | MW-1             | MW-1A            |
| <i>Sample ID:</i>                             | GW-100398-JM-001                                 | GW-122104-DS-006 | GW-091107-N7-006       | GW-120407-JH-005 | GW-100398-JM-011 |
| <i>Sample Date:</i>                           | 10/3/1998                                        | 12/21/2004       | 9/11/2007              | 12/4/2007        | 10/3/1998        |
| <i>Sample Type:</i>                           |                                                  |                  |                        |                  |                  |
| <i>Parameters</i>                             | <i>Residential</i>                               |                  | <i>Non-Residential</i> |                  |                  |
|                                               | <i>GW Pathway Scenario 'GW Pathway Scenario'</i> |                  |                        |                  |                  |
|                                               | <i>a</i>                                         | <i>b</i>         |                        |                  |                  |
| <i>Units</i>                                  |                                                  |                  |                        |                  |                  |
| <i>Volatile Organic Compounds</i>             |                                                  |                  |                        |                  |                  |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup>                                | ---              | ---                    | ---              | ---              |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L                                             | 0.82             | 0.005 U <sup>3</sup>   | 0.01 U           | 0.005 U          |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L                                             | 0.07             | 0.005 U                | 0.01 U           | 0.008            |
| Acetone                                       | mg/L                                             | 0.26             | 0.005 U                | 0.01 U           | 0.005 U          |
| Benzene                                       | mg/L                                             | 0.005            | 0.001 U                | 0.001 U          | 0.001 U          |
| Bromodichloromethane                          | mg/L                                             | 0.08             | 0.001 U                | 0.001 U          | 0.001 U          |
| Carbon disulfide                              | mg/L                                             | 0.009            | 0.001 U                | 0.001 U          | 0.001 U          |
| Chlorobenzene                                 | mg/L                                             | 0.1              | 0.001 U                | 0.001 U          | 0.001 U          |
| Chloroform (Trichloromethane)                 | mg/L                                             | 0.08             | 0.001 U                | 0.001 U          | 0.001 U          |
| Chloromethane (Methyl Chloride)               | mg/L                                             | 0.02             | 0.001 U                | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                        | mg/L                                             | 0.07             | 0.001 U                | 0.001 U          | 0.001 U          |
| Ethylbenzene                                  | mg/L                                             | 0.7              | 0.0036 U <sup>4</sup>  | 0.0005 U         | 0.001 U          |
| Methylene chloride                            | mg/L                                             | 0.005            | 0.001 U                | 0.001 U          | 0.003            |
| Tetrachloroethene                             | mg/L                                             | 0.005            | 0.001 U                | 0.001 U          | 0.002 U          |
| Toluene                                       | mg/L                                             | 1                | 0.001 U                | 0.001 U          | 0.001 U          |
| trans-1,2-Dichloroethene                      | mg/L                                             | 0.1              | 0.001 U                | 0.001 U          | 0.074            |
| Trichloroethene                               | mg/L                                             | 0.005            | 0.001 U                | 0.0005 U         | 0.001 U          |
| Vinyl chloride                                | mg/L                                             | 0.002            | 0.001 U                | 0.001 U          | 0.001 U          |
| Xylene (total)                                | mg/L                                             | 10               | 0.001 U                | 0.001 U          | 0.039            |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

|                                               |                   |                                                                                                    |                  |                  |                  |                  |
|-----------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|
| <b>Sample Location:</b>                       |                   | MW-1A                                                                                              | MW-1A            | MW-1A            | MW-1B            | MW-1B            |
| <b>Sample ID:</b>                             |                   | GW-122104-DS-013                                                                                   | GW-091307-NT-029 | GW-120607-JH-029 | GW-091307-NT-028 | GW-120607-JH-027 |
| <b>Sample Date:</b>                           |                   | 12/21/2004                                                                                         | 9/13/2007        | 12/6/2007        | 9/13/2007        | 12/6/2007        |
| <b>Sample Type:</b>                           |                   |                                                                                                    |                  |                  |                  |                  |
| <b>Parameters</b>                             | <b>Units</b>      | <b>Residential GW Pathway Scenario<sup>1</sup> Non-Residential GW Pathway Scenario<sup>1</sup></b> |                  |                  |                  |                  |
|                                               |                   | <b>a</b>                                                                                           | <b>b</b>         |                  |                  |                  |
| <b>Volatile Organic Compounds</b>             |                   |                                                                                                    |                  |                  |                  |                  |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | -                                                                                                  | -                | -                | -                | -                |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                                                                                               | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                                                                                               | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           |
| Acetone                                       | mg/L              | 0.26                                                                                               | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           |
| Benzene                                       | mg/L              | 0.005                                                                                              | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Bromodichloromethane                          | mg/L              | 0.08                                                                                               | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Carbon disulfide                              | mg/L              | 0.009                                                                                              | 0.00074 J        | 0.001 U          | 0.001 U          | 0.001 U          |
| Chlorobenzene                                 | mg/L              | 0.1                                                                                                | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                                                                                               | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                                                                                               | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                                                                                               | 0.00087 J        | 0.0004 J         | 0.0005 U         | 0.0005 U         |
| Ethylbenzene                                  | mg/L              | 0.7                                                                                                | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Methylene chloride                            | mg/L              | 0.005                                                                                              | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Tetrachloroethene                             | mg/L              | 0.005                                                                                              | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Toluene                                       | mg/L              | 1                                                                                                  | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                                                                                                | 0.001 U          | 0.0005 U         | 0.0005 U         | 0.0005 U         |
| Trichloroethene                               | mg/L              | 0.005                                                                                              | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Vinyl chloride                                | mg/L              | 0.002                                                                                              | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Xylene (total)                                | mg/L              | 10                                                                                                 | 0.002 U          | 0.001 U          | 0.001 U          | 0.001 U          |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

|                                               |                                                                        |                  |                  |                  |                  |
|-----------------------------------------------|------------------------------------------------------------------------|------------------|------------------|------------------|------------------|
| <i>Sample Location:</i>                       | MW-1B                                                                  | MW-1C            | MW-1C            | MW-1C            | MW-102A          |
| <i>Sample ID:</i>                             | GW-120607-JH-028                                                       | GW-100398-JM-009 | GW-091307-NT-027 | GW-120507-JH-024 | GW-051299-JH-102 |
| <i>Sample Date:</i>                           | 12/6/2007                                                              | 10/3/1998        | 9/13/2007        | 12/5/2007        | 5/12/1999        |
| <i>Sample Type:</i>                           | Duplicate                                                              |                  |                  |                  |                  |
| <b>Parameters</b>                             | <b>Residential      Non-Residential</b>                                |                  |                  |                  |                  |
|                                               | <b>GW Pathway Scenario<sup>1</sup> GW Pathway Scenario<sup>1</sup></b> |                  |                  |                  |                  |
|                                               | <b>a</b>                                                               | <b>b</b>         |                  |                  |                  |
| <b>Units</b>                                  |                                                                        |                  |                  |                  |                  |
| <b>Volatile Organic Compounds</b>             |                                                                        |                  |                  |                  |                  |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup>                                                      |                  |                  |                  | 0.001 U          |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L                                                                   | 2.8              | 0.01 U           | 0.01 U           | 0.02 U           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L                                                                   | 0.23             | 0.01 U           | 0.01 U           | 0.01 U           |
| Acetone                                       | mg/L                                                                   | 0.93             | 0.01 U           | 0.01 U           | 0.1 U            |
| Benzene                                       | mg/L                                                                   | 0.005            | 0.001 U          | 0.001 U          | 0.001 U          |
| Bromodichloromethane                          | mg/L                                                                   | 0.08             | 0.001 U          | 0.001 U          | 0.001 U          |
| Carbon disulfide                              | mg/L                                                                   | 0.009            | 0.001 U          | 0.001 U          | 0.005 U          |
| Chlorobenzene                                 | mg/L                                                                   | 0.1              | 0.001 U          | 0.001 U          | 0.001 U          |
| Chloroform (Trichloromethane)                 | mg/L                                                                   | 0.08             | 0.001 U          | 0.001 U          | 0.001 U          |
| Chloromethane (Methyl Chloride)               | mg/L                                                                   | 0.02             | 0.001 U          | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                        | mg/L                                                                   | 0.07             | 0.0005 U         | 0.0005 U         | 0.001 U          |
| Ethylbenzene                                  | mg/L                                                                   | 0.7              | 0.001 U          | 0.001 U          | 0.001 U          |
| Methylene chloride                            | mg/L                                                                   | 0.005            | 0.001 U          | 0.001 U          | 0.005 U          |
| Tetrachloroethene                             | mg/L                                                                   | 0.005            | 0.001 U          | 0.001 U          | 0.001 U          |
| Toluene                                       | mg/L                                                                   | 1                | 0.001 U          | 0.001 U          | 0.001 U          |
| trans-1,2-Dichloroethene                      | mg/L                                                                   | 0.1              | 0.0005 U         | 0.0005 U         | 0.001 U          |
| Trichloroethene                               | mg/L                                                                   | 0.005            | 0.001 U          | 0.001 U          | 0.001 U          |
| Vinyl chloride                                | mg/L                                                                   | 0.002            | 0.001 U          | 0.001 U          | 0.001 U          |
| Xylene (total)                                | mg/L                                                                   | 10               | 0.001 U          | 0.001 U          | 0.003 U          |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA**  
**FORMER FAIRFAX I PLANT SITE**  
**KANSAS CITY, KANSAS**

|                                               |                   |                                                  |                  |                  |                  |                  |
|-----------------------------------------------|-------------------|--------------------------------------------------|------------------|------------------|------------------|------------------|
| <b>Sample Location:</b>                       |                   | MW-102A                                          | MW-102A          | MW-102A          | MW-102B          | MW-102B          |
| <b>Sample ID:</b>                             |                   | GW-062706-JH-014                                 | GW-091207-NI-020 | GW-120507-JH-014 | GW-091307-NI-021 | GW-120507-JH-015 |
| <b>Sample Date:</b>                           |                   | 6/27/2006                                        | 9/12/2007        | 12/5/2007        | 9/13/2007        | 12/5/2007        |
| <b>Sample Type:</b>                           |                   |                                                  |                  |                  |                  |                  |
| <b>Parameters</b>                             | <b>Units</b>      | <b>Residential</b>                               |                  |                  |                  |                  |
|                                               |                   | <b>GW Pathway Scenario 'GW Pathway Scenario'</b> |                  |                  |                  |                  |
|                                               |                   | a                                                | b                |                  |                  |                  |
| <b>Volatile Organic Compounds</b>             |                   |                                                  |                  |                  |                  |                  |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | --                                               | --               | --               | --               | --               |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                                             | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                                             | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           |
| Acetone                                       | mg/L              | 0.26                                             | 0.01 U           | 0.01 U           | 0.01 U           | 0.01 U           |
| Benzene                                       | mg/L              | 0.005                                            | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Bromodichloromethane                          | mg/L              | 0.08                                             | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Carbon disulfide                              | mg/L              | 0.009                                            | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Chlorobenzene                                 | mg/L              | 0.1                                              | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                                             | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                                             | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                                             | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         |
| Ethylbenzene                                  | mg/L              | 0.7                                              | 0.001 U          | 0.00071 J        | 0.001 U          | 0.001 U          |
| Methylene chloride                            | mg/L              | 0.005                                            | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Tetrachloroethene                             | mg/L              | 0.005                                            | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Toluene                                       | mg/L              | 1                                                | 0.001 U          | 0.0009 J         | 0.00018 J        | 0.001 U          |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                                              | 0.0005 U         | 0.0005 U         | 0.0005 U         | 0.0005 U         |
| Trichloroethene                               | mg/L              | 0.005                                            | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Vinyl chloride                                | mg/L              | 0.002                                            | 0.001 U          | 0.001 U          | 0.001 U          | 0.001 U          |
| Xylene (total)                                | mg/L              | 10                                               | 0.001 U          | 0.00071 J        | 0.001 U          | 0.001 U          |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA**  
**FORMER FAIRFAX I PLANT SITE**  
**KANSAS CITY, KANSAS**

| <b>Sample Location:</b>                       |                   | MW-102C                                                           | MW-102C          | MW-103A                                                           | MW-103A             | MW-103A             |
|-----------------------------------------------|-------------------|-------------------------------------------------------------------|------------------|-------------------------------------------------------------------|---------------------|---------------------|
| <b>Sample ID:</b>                             |                   | GW-091307-NT-022                                                  | GW-120507-JH-016 | GW-100398-JM-003                                                  | GW-051399-JH-105    | GW-051399-JH-106    |
| <b>Sample Date:</b>                           |                   | 9/13/2007                                                         | 12/5/2007        | 10/3/1998                                                         | 5/13/1999           | 5/13/1999           |
| <b>Sample Type:</b>                           |                   |                                                                   |                  |                                                                   |                     | Duplicate           |
| Parameters                                    | Units             | Residential                                                       |                  | Non-Residential                                                   |                     |                     |
|                                               |                   | GW Pathway Scenario <sup>1</sup> GW Pathway Scenario <sup>1</sup> |                  | GW Pathway Scenario <sup>1</sup> GW Pathway Scenario <sup>1</sup> |                     |                     |
|                                               |                   | a                                                                 | b                |                                                                   |                     |                     |
| <b>Volatile Organic Compounds</b>             |                   |                                                                   |                  |                                                                   |                     |                     |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | --                                                                | --               | --                                                                | 1.5 <sup>a,b</sup>  | 0.003               |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                                                              | 0.01 U           | 0.01 U                                                            | 0.81 J              | 0.8 J               |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                                                              | 0.01 U           | 0.01 U                                                            | 30 <sup>a,b</sup>   | 29 <sup>a,b</sup>   |
| Acetone                                       | mg/L              | 0.26                                                              | 0.01 U           | 0.01 U                                                            | 270 <sup>a,b</sup>  | 120 <sup>a,b</sup>  |
| Benzene                                       | mg/L              | 0.005                                                             | 0.001 U          | 0.001 U                                                           | 0.34 <sup>a,b</sup> | 0.14 <sup>a,b</sup> |
| Bromodichloromethane                          | mg/L              | 0.08                                                              | 0.001 U          | 0.001 U                                                           | 0.001 U             | 0.001 U             |
| Carbon disulfide                              | mg/L              | 0.009                                                             | 0.001 U          | 0.001 U                                                           | 0.001 U             | 0.005 U             |
| Chlorobenzene                                 | mg/L              | 0.1                                                               | 0.001 U          | 0.001 U                                                           | 0.001 U             | 0.001 U             |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                                                              | 0.001 U          | 0.001 U                                                           | 0.001 U             | 0.001 U             |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                                                              | 0.001 U          | 0.001 U                                                           | 0.001 U             | 0.001 U             |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                                                              | 0.0005 U         | 0.0005 U                                                          | 0.001 U             | 0.002               |
| Ethylbenzene                                  | mg/L              | 0.7                                                               | 0.001 U          | 0.001 U                                                           | 1.4 <sup>a,b</sup>  | 0.57                |
| Methylene chloride                            | mg/L              | 0.005                                                             | 0.001 U          | 0.001 U                                                           | 0.002 U             | 0.005 U             |
| Tetrachloroethene                             | mg/L              | 0.005                                                             | 0.001 U          | 0.001 U                                                           | 0.001 U             | 0.001 U             |
| Toluene                                       | mg/L              | 1                                                                 | 0.001 U          | 0.001 U                                                           | 34 <sup>a,b</sup>   | 9 <sup>a,b</sup>    |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                                                               | 0.0005 U         | 0.0005 U                                                          | 0.001 U             | 0.001 U             |
| Trichloroethene                               | mg/L              | 0.005                                                             | 0.001 U          | 0.001 U                                                           | 0.001 U             | 0.001 U             |
| Vinyl chloride                                | mg/L              | 0.002                                                             | 0.001 U          | 0.001 U                                                           | 0.001 U             | 0.001 U             |
| Xylene (total)                                | mg/L              | 10                                                                | 0.001 U          | 0.001 U                                                           | 11 <sup>a,b</sup>   | 3.9                 |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

|                                                                   |                   |                  |                    |                   |                   |                  |
|-------------------------------------------------------------------|-------------------|------------------|--------------------|-------------------|-------------------|------------------|
| Sample Location:                                                  |                   | MW-103A          | MW-103A            | MW-103A           | MW-103A           | MW-103B          |
| Sample ID:                                                        |                   | GW-091207-NT-017 | GW-091207-NT-018   | GW-120607-JH-030  | GW-120607-JH-031  | GW-091207-NT-015 |
| Sample Date:                                                      |                   | 9/12/2007        | 9/12/2007          | 12/6/2007         | 12/6/2007         | 9/12/2007        |
| Sample Type:                                                      |                   |                  | Duplicate          |                   | Duplicate         |                  |
| GW Pathway Scenario <sup>1</sup> GW Pathway Scenario <sup>1</sup> |                   |                  |                    |                   |                   |                  |
| Parameters                                                        |                   | a                | b                  |                   |                   |                  |
| Units                                                             |                   |                  |                    |                   |                   |                  |
| Volatile Organic Compounds                                        |                   |                  |                    |                   |                   |                  |
| 1,2-Dichloroethene (total)                                        | mg/L <sup>2</sup> | --               | --                 | --                | --                | --               |
| 2-Butanone (Methyl Ethyl Ketone)                                  | mg/L              | 0.82             | 50 U               | 50 U              | 50 U              | 0.01 U           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)                     | mg/L              | 0.07             | 30 J <sup>ab</sup> | 160 <sup>ab</sup> | 160 <sup>ab</sup> | 0.01 U           |
| Acetone                                                           | mg/L              | 0.26             | 50 U               | 50 U              | 50 U              | 0.01 U           |
| Benzene                                                           | mg/L              | 0.005            | 5 U                | 5 U               | 5 U               | 0.001 U          |
| Bromodichloromethane                                              | mg/L              | 0.08             | 5 U                | 5 U               | 5 U               | 0.001 U          |
| Carbon disulfide                                                  | mg/L              | 0.009            | 5 U                | 5 U               | 5 U               | 0.00091 J        |
| Chlorobenzene                                                     | mg/L              | 0.1              | 5 U                | 5 U               | 5 U               | 0.001 U          |
| Chloroform (Trichloromethane)                                     | mg/L              | 0.08             | 5 U                | 5 U               | 5 U               | 0.001 U          |
| Chloromethane (Methyl Chloride)                                   | mg/L              | 0.02             | 5 U                | 5 U               | 5 U               | 0.001 U          |
| cis-1,2-Dichloroethene                                            | mg/L              | 0.07             | 2.5 U              | 2.5 U             | 2.5 U             | 0.0034           |
| Ethylbenzene                                                      | mg/L              | 0.7              | 7.4 <sup>ab</sup>  | 7.9 <sup>ab</sup> | 8 <sup>ab</sup>   | 0.001 U          |
| Methylene chloride                                                | mg/L              | 0.005            | 5 U                | 5 U               | 5 U               | 0.001 U          |
| Tetrachloroethene                                                 | mg/L              | 0.005            | 5 U                | 5 U               | 5 U               | 0.001 U          |
| Toluene                                                           | mg/L              | 1                | 120 <sup>ab</sup>  | 130 <sup>ab</sup> | 150 <sup>ab</sup> | 0.001 U          |
| trans-1,2-Dichloroethene                                          | mg/L              | 0.1              | 2.5 U              | 2.5 U             | 2.5 U             | 0.0005 U         |
| Trichloroethene                                                   | mg/L              | 0.005            | 5 U                | 5 U               | 5 U               | 0.001 U          |
| Vinyl chloride                                                    | mg/L              | 0.002            | 5 U                | 5 U               | 5 U               | 0.001 U          |
| Xylene (total)                                                    | mg/L              | 10               | 63 <sup>ab</sup>   | 67 <sup>ab</sup>  | 57 <sup>ab</sup>  | 0.001 U          |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

| <i>Sample Location:</i>                       |                   | MW-103B                          | MW-103C          | MW-103C                          | MW-103C          | MW-103C          | MW-103C  |
|-----------------------------------------------|-------------------|----------------------------------|------------------|----------------------------------|------------------|------------------|----------|
| <i>Sample ID:</i>                             |                   | GW-120507-JH-021                 | GW-100398-JM-005 | GW-100398-JM-007                 | GW-091207-NT-016 | GW-120507-JH-020 |          |
| <i>Sample Date:</i>                           |                   | 12/5/2007                        | 10/3/1998        | 10/3/1998                        | 9/12/2007        | 12/5/2007        |          |
| <i>Sample Type:</i>                           |                   |                                  |                  | Duplicate                        |                  |                  |          |
| Parameters                                    | Units             | Residential                      |                  | Non-Residential                  |                  |                  |          |
|                                               |                   | GW Pathway Scenario <sup>1</sup> |                  | GW Pathway Scenario <sup>1</sup> |                  |                  |          |
|                                               |                   | a                                | b                |                                  |                  |                  |          |
| <i>Volatile Organic Compounds</i>             |                   |                                  |                  |                                  |                  |                  |          |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | —                                | —                | —                                | —                | —                | —        |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                             | 2.8              | 0.01 U                           | 0.005 U          | 0.01 U           | 0.01 U   |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                             | 0.23             | 0.01 U                           | 0.01 U           | 0.01 U           | 0.01 U   |
| Acetone                                       | mg/L              | 0.26                             | 0.93             | 0.01 U                           | 0.005 U          | 0.01 U           | 0.01 U   |
| Benzene                                       | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.004            | 0.003            | 0.001 U  |
| Bromodichloromethane                          | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U  |
| Carbon disulfide                              | mg/L              | 0.009                            | 0.03             | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U  |
| Chlorobenzene                                 | mg/L              | 0.1                              | 0.1              | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U  |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U  |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                             | 0.04             | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U  |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                             | 0.07             | 0.0064                           | 0.001 U          | 0.0005 U         | 0.0005 U |
| Ethylbenzene                                  | mg/L              | 0.7                              | 0.7              | 0.001 U                          | 0.022            | 0.018            | 0.001 U  |
| Methylene chloride                            | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.002 U          | 0.001 U          | 0.001 U  |
| Tetrachloroethene                             | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U  |
| Toluene                                       | mg/L              | 1                                | 1                | 0.00026 J                        | 0.53             | 0.46             | 0.001 U  |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                              | 0.1              | 0.0005 U                         | 0.001 U          | 0.0005 U         | 0.0005 U |
| Trichloroethene                               | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U  |
| Vinyl chloride                                | mg/L              | 0.002                            | 0.002            | 0.001                            | 0.001 U          | 0.001 U          | 0.001 U  |
| Xylene (total)                                | mg/L              | 10                               | 10               | 0.001 U                          | 0.18             | 0.16             | 0.001 U  |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

| <i>Sample Location:</i>                       |                   | MW-104                                                                 |       | MW-104                 |           | MW-104           |           | MW-104           |           |
|-----------------------------------------------|-------------------|------------------------------------------------------------------------|-------|------------------------|-----------|------------------|-----------|------------------|-----------|
| <i>Sample ID:</i>                             |                   | GW-051299-JH-101                                                       |       | GW-062706-JH-012       |           | GW-062706-JH-013 |           | GW-091207-NJ-014 |           |
| <i>Sample Date:</i>                           |                   | 5/12/1999                                                              |       | 6/27/2006              |           | 6/27/2006        |           | 9/12/2007        |           |
| <i>Sample Type:</i>                           |                   |                                                                        |       | Duplicate              |           |                  |           | 12/5/2007        |           |
| <i>Parameters</i>                             | <i>Units</i>      | <i>Residential</i>                                                     |       | <i>Non-Residential</i> |           |                  |           |                  |           |
|                                               |                   | <i>GW Pathway Scenario<sup>1</sup> GW Pathway Scenario<sup>2</sup></i> |       |                        |           |                  |           |                  |           |
|                                               |                   | a                                                                      | b     |                        |           |                  |           |                  |           |
| <i>Volatile Organic Compounds</i>             |                   |                                                                        |       |                        |           |                  |           |                  |           |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | --                                                                     | --    | 0.001 U                | --        | --               | --        | --               | --        |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                                                                   | 2.8   | 0.02 U                 | 0.01 U    | 0.01 U           | 0.01 U    | 0.01 U           | 0.01 U    |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                                                                   | 0.23  | 0.01 U                 | 0.01 U    | 0.01 U           | 0.01 U    | 0.01 U           | 0.01 U    |
| Acetone                                       | mg/L              | 0.26                                                                   | 0.93  | 0.1 U                  | 0.01 U    | 0.01 U           | 0.01 U    | 0.01 U           | 0.01 U    |
| Benzene                                       | mg/L              | 0.005                                                                  | 0.005 | 0.001 U                | 0.001 U   | 0.001 U          | 0.001 U   | 0.001 U          | 0.001 U   |
| Bromodichloromethane                          | mg/L              | 0.08                                                                   | 0.08  | 0.001 U                | 0.001 U   | 0.001 U          | 0.001 U   | 0.001 U          | 0.001 U   |
| Carbon disulfide                              | mg/L              | 0.009                                                                  | 0.03  | 0.005 U                | 0.001 U   | 0.001 U          | 0.001 U   | 0.001 U          | 0.001 U   |
| Chlorobenzene                                 | mg/L              | 0.1                                                                    | 0.1   | 0.001 U                | 0.001 U   | 0.001 U          | 0.001 U   | 0.001 U          | 0.001 U   |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                                                                   | 0.08  | 0.001 U                | 0.001 U   | 0.001 U          | 0.001 U   | 0.001 U          | 0.001 U   |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                                                                   | 0.04  | 0.001 U                | 0.001 U   | 0.001 U          | 0.001 U   | 0.001 U          | 0.001 U   |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                                                                   | 0.07  | 0.001 U                | 0.00021 J | 0.0005 U         | 0.00025 J | 0.00022 J        | 0.00022 J |
| Ethylbenzene                                  | mg/L              | 0.7                                                                    | 0.7   | 0.001 U                | 0.001 U   | 0.001 U          | 0.001 U   | 0.001 U          | 0.001 U   |
| Methylene chloride                            | mg/L              | 0.005                                                                  | 0.005 | 0.005 U                | 0.001 U   | 0.001 U          | 0.001 U   | 0.001 U          | 0.001 U   |
| Tetrachloroethene                             | mg/L              | 0.005                                                                  | 0.005 | 0.001 U                | 0.001 U   | 0.001 U          | 0.001 U   | 0.001 U          | 0.001 U   |
| Toluene                                       | mg/L              | 1                                                                      | 1     | 0.001 U                | 0.001 U   | 0.001 U          | 0.001 U   | 0.001 U          | 0.001 U   |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                                                                    | 0.1   | 0.001 U                | 0.0005 U  | 0.0005 U         | 0.0005 U  | 0.0005 U         | 0.0005 U  |
| Trichloroethene                               | mg/L              | 0.005                                                                  | 0.005 | 0.001 U                | 0.001 U   | 0.001 U          | 0.001 U   | 0.001 U          | 0.001 U   |
| Vinyl chloride                                | mg/L              | 0.002                                                                  | 0.002 | 0.001 U                | 0.001 U   | 0.001 U          | 0.001 U   | 0.001 U          | 0.001 U   |
| Xylene (total)                                | mg/L              | 10                                                                     | 10    | 0.003 U                | 0.001 U   | 0.001 U          | 0.001 U   | 0.001 U          | 0.001 U   |

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

| <b>Sample Location:</b>                       |                   | MW-105                           | MW-105           | MW-105                           | MW-105           | MW-105           | MW-105    |
|-----------------------------------------------|-------------------|----------------------------------|------------------|----------------------------------|------------------|------------------|-----------|
| <b>Sample ID:</b>                             |                   | GW-051299-JH-100                 | GW-122004-DS-003 | GW-062706-JH-009                 | GW-062706-JH-010 | GW-091207-NT-013 |           |
| <b>Sample Date:</b>                           |                   | 5/12/1999                        | 12/20/2004       | 6/27/2006                        | 6/27/2006        | 9/12/2007        |           |
| <b>Sample Type:</b>                           |                   |                                  |                  |                                  | Duplicate        |                  |           |
| Parameters                                    | Units             | Residential                      |                  | Non-Residential                  |                  |                  |           |
|                                               |                   | GW Pathway Scenario <sup>1</sup> |                  | GW Pathway Scenario <sup>1</sup> |                  |                  |           |
|                                               |                   | a                                | b                |                                  |                  |                  |           |
| <b>Volatile Organic Compounds</b>             |                   |                                  |                  |                                  |                  |                  |           |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | --                               | --               | --                               | --               | --               | --        |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                             | 2.8              | 0.01 U                           | 0.01 U           | 0.01 U           | 0.01 U    |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                             | 0.23             | 0.01 U                           | 0.01 U           | 0.01 U           | 0.01 U    |
| Acetone                                       | mg/L              | 0.26                             | 0.93             | 0.1 U                            | 0.01 U           | 0.01 U           | 0.01 U    |
| Benzene                                       | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U   |
| Bromodichloromethane                          | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U   |
| Carbon disulfide                              | mg/L              | 0.009                            | 0.03             | 0.005 U                          | 0.001 U          | 0.001 U          | 0.001 U   |
| Chlorobenzene                                 | mg/L              | 0.1                              | 0.1              | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U   |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U   |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                             | 0.04             | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U   |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                             | 0.07             | 0.001 U                          | 0.0063           | 0.0049           | 0.0031    |
| Ethylbenzene                                  | mg/L              | 0.7                              | 0.7              | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U   |
| Methylene chloride                            | mg/L              | 0.005                            | 0.005            | 0.005 U                          | 0.001 U          | 0.001 U          | 0.001 U   |
| Tetrachloroethene                             | mg/L              | 0.005                            | 0.005            | 0.001                            | 0.001 U          | 0.001 U          | 0.00063 J |
| Toluene                                       | mg/L              | 1                                | 1                | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U   |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                              | 0.1              | 0.001 U                          | 0.0005 U         | 0.0005 U         | 0.0005 U  |
| Trichloroethene                               | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.00058 J        | 0.00043 J        | 0.0013    |
| Vinyl chloride                                | mg/L              | 0.002                            | 0.002            | 0.001 U                          | 0.001 U          | 0.001 U          | 0.001 U   |
| Xylene (total)                                | mg/L              | 10                               | 10               | 0.003 U                          | 0.001 U          | 0.001 U          | 0.001 U   |

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

|                         |                  |                  |                  |                  |                  |
|-------------------------|------------------|------------------|------------------|------------------|------------------|
| <i>Sample Location:</i> | MW-105           | MW-108           | MW-108           | MW-108           | MW-108           |
| <i>Sample ID:</i>       | GW-120507-JH-018 | GW-100398-JM-027 | GW-062706-JH-011 | GW-091107-NT-009 | GW-120507-JH-017 |
| <i>Sample Date:</i>     | 12/5/2007        | 10/3/1998        | 6/27/2006        | 9/11/2007        | 12/5/2007        |
| <i>Sample Type:</i>     |                  |                  |                  |                  |                  |

| Parameters                                    | Residential                      |       | Non-Residential                  |          |
|-----------------------------------------------|----------------------------------|-------|----------------------------------|----------|
|                                               | GW Pathway Scenario <sup>1</sup> |       | GW Pathway Scenario <sup>1</sup> |          |
|                                               | a                                | b     |                                  |          |
| <i>Units</i>                                  |                                  |       |                                  |          |
| <i>Volatile Organic Compounds</i>             |                                  |       |                                  |          |
| 1,2-Dichloroethene (total)                    | --                               | --    |                                  | --       |
| 2-Butanone (Methyl Ethyl Ketone)              | 0.82                             | 2.8   | 0.01 U                           | 0.01 U   |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | 0.07                             | 0.23  | 0.01 U                           | 0.01 U   |
| Acetone                                       | 0.26                             | 0.93  | 0.01 U                           | 0.01 U   |
| Benzene                                       | 0.005                            | 0.005 | 0.001 U                          | 0.0004 J |
| Bromodichloromethane                          | 0.08                             | 0.08  | 0.001 U                          | 0.001 U  |
| Carbon disulfide                              | 0.009                            | 0.03  | 0.001 U                          | 0.001 U  |
| Chlorobenzene                                 | 0.1                              | 0.1   | 0.001 U                          | 0.001 U  |
| Chloroform (Trichloromethane)                 | 0.08                             | 0.08  | 0.001 U                          | 0.001 U  |
| Chloromethane (Methyl Chloride)               | 0.02                             | 0.04  | 0.001 U                          | 0.001 U  |
| cis-1,2-Dichloroethene                        | 0.07                             | 0.07  | 0.0037                           | 0.0005 U |
| Ethylbenzene                                  | 0.7                              | 0.7   | 0.001 U                          | 0.001 U  |
| Methylene chloride                            | 0.005                            | 0.005 | 0.001 U                          | 0.001 U  |
| Tetrachloroethene                             | 0.005                            | 0.005 | 0.00035 J                        | 0.001 U  |
| Toluene                                       | 1                                | 1     | 0.001 U                          | 0.001 U  |
| trans-1,2-Dichloroethene                      | 0.1                              | 0.1   | 0.0005 U                         | 0.0005 U |
| Trichloroethene                               | 0.005                            | 0.005 | 0.00075 J                        | 0.001 U  |
| Vinyl chloride                                | 0.002                            | 0.002 | 0.001 U                          | 0.001 U  |
| Xylene (total)                                | 10                               | 10    | 0.001 U                          | 0.001 U  |



TABLE B.1

HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS

|                                               |                                                                   |                 |                  |                  |                  |
|-----------------------------------------------|-------------------------------------------------------------------|-----------------|------------------|------------------|------------------|
| Sample Location:                              | MW-110                                                            | MW-110          | MW-110           | MW-110           | MW-110           |
| Sample ID:                                    | GW-122104-DS-012                                                  | GW-122104-DSDUP | GW-011806-JH-008 | GW-091307-NT-023 | GW-120607-JH-037 |
| Sample Date:                                  | 12/21/2004                                                        | 12/21/2004      | 1/18/2006        | 9/13/2007        | 12/6/2007        |
| Sample Type:                                  |                                                                   | Duplicate       |                  |                  |                  |
| Parameters                                    | Residential                                                       |                 | Non-Residential  |                  |                  |
|                                               | GW Pathway Scenario <sup>1</sup> GW Pathway Scenario <sup>1</sup> |                 |                  |                  |                  |
|                                               | a                                                                 | b               |                  |                  |                  |
| Units                                         |                                                                   |                 |                  |                  |                  |
| mg/L <sup>2</sup>                             |                                                                   |                 |                  |                  |                  |
| Volatile Organic Compounds                    |                                                                   |                 |                  |                  |                  |
| 1,2-Dichloroethene (total)                    | --                                                                | --              | --               | --               | --               |
| 2-Butanone (Methyl Ethyl Ketone)              | 0.82                                                              | 2.8             | 0.01 U           | 0.01 U           | 0.01 U           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | 0.07                                                              | 0.23            | 0.01 U           | 0.01 U           | 0.01 U           |
| Acetone                                       | 0.26                                                              | 0.93            | 0.01 U           | 0.01 U           | 0.01 U           |
| Benzene                                       | 0.005                                                             | 0.005           | 0.001 U          | 0.001 U          | 0.001 U          |
| Bromodichloromethane                          | 0.08                                                              | 0.08            | 0.001 U          | 0.001 U          | 0.001 U          |
| Carbon disulfide                              | 0.009                                                             | 0.03            | 0.001 U          | 0.00049 J        | 0.001 U          |
| Chlorobenzene                                 | 0.1                                                               | 0.1             | 0.001 U          | 0.001 U          | 0.001 U          |
| Chloroform (Trichloromethane)                 | 0.08                                                              | 0.08            | 0.001 U          | 0.001 U          | 0.001 U          |
| Chloromethane (Methyl Chloride)               | 0.02                                                              | 0.04            | 0.001 U          | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                        | 0.07                                                              | 0.07            | 0.00074 J        | 0.00067 J        | 0.00033 J        |
| Ethylbenzene                                  | 0.7                                                               | 0.7             | 0.001 U          | 0.001 U          | 0.001 U          |
| Methylene chloride                            | 0.005                                                             | 0.005           | 0.001 U          | 0.001 U          | 0.001 U          |
| Tetrachloroethene                             | 0.005                                                             | 0.005           | 0.001 U          | 0.001 U          | 0.001 U          |
| Toluene                                       | 1                                                                 | 1               | 0.001 U          | 0.001 U          | 0.001 U          |
| trans-1,2-Dichloroethene                      | 0.1                                                               | 0.1             | 0.001 U          | 0.0005 U         | 0.0005 U         |
| Trichloroethene                               | 0.005                                                             | 0.005           | 0.001 U          | 0.001 U          | 0.001 U          |
| Vinyl chloride                                | 0.002                                                             | 0.002           | 0.001 U          | 0.001 U          | 0.001 U          |
| Xylene (total)                                | 10                                                                | 10              | 0.002 U          | 0.001 U          | 0.001 U          |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

|                  |                  |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|------------------|
| Sample Location: | MW-110           | MW-110A          | MW-110A          | MW-110A          | MW-110A          |
| Sample ID:       | GW-120607-JH-038 | GW-100398-JM-017 | GW-122104-DS-008 | GW-091407-NT-033 | GW-091407-NT-034 |
| Sample Date:     | 12/6/2007        | 10/3/1998        | 12/21/2004       | 9/14/2007        | 9/14/2007        |
| Sample Type:     | Duplicate        |                  |                  |                  | Duplicate        |

| Parameters                                    | Units             | Residential                      |           | Non-Residential                  |                     |
|-----------------------------------------------|-------------------|----------------------------------|-----------|----------------------------------|---------------------|
|                                               |                   | GW Pathway Scenario <sup>1</sup> |           | GW Pathway Scenario <sup>1</sup> |                     |
|                                               |                   | a                                | b         |                                  |                     |
| <b>Volatile Organic Compounds</b>             |                   |                                  |           |                                  |                     |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | --                               | --        |                                  |                     |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                             | 0.01 U    | 0.005 U                          | 0.01 U              |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                             | 0.01 U    | 0.005 U                          | 0.01 U              |
| Acetone                                       | mg/L              | 0.26                             | 0.01 U    | 0.005 U                          | 0.01 U              |
| Benzene                                       | mg/L              | 0.005                            | 0.001 U   | 0.001 U                          | 0.001 U             |
| Bromodichloromethane                          | mg/L              | 0.08                             | 0.001 U   | 0.001 U                          | 0.001 U             |
| Carbon disulfide                              | mg/L              | 0.009                            | 0.001 U   | 0.001 U                          | 0.001 U             |
| Chlorobenzene                                 | mg/L              | 0.1                              | 0.001 U   | 0.001 U                          | 0.001 U             |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                             | 0.001 U   | 0.002                            | 0.001 U             |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                             | 0.001 U   | 0.001 U                          | 0.001 U             |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                             | 0.00035 J | 0.002                            | 0.0026              |
| Ethylbenzene                                  | mg/L              | 0.7                              | 0.001 U   | 0.001 U                          | 0.001 U             |
| Methylene chloride                            | mg/L              | 0.005                            | 0.001 U   | 0.002 U                          | 0.001 U             |
| Tetrachloroethene                             | mg/L              | 0.005                            | 0.001 U   | 0.029 <sup>ab</sup>              | 0.007 <sup>ab</sup> |
| Toluene                                       | mg/L              | 1                                | 0.001 U   | 0.023                            | 0.001 U             |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                              | 0.0005 U  | 0.001 U                          | 0.0005 U            |
| Trichloroethene                               | mg/L              | 0.005                            | 0.001 U   | 0.001                            | 0.0015              |
| Vinyl chloride                                | mg/L              | 0.002                            | 0.001 U   | 0.001 U                          | 0.001 U             |
| Xylene (total)                                | mg/L              | 10                               | 0.001 U   | 0.013                            | 0.001 U             |

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

Sample Location: MW-110A MW-111 MW-111 MW-111 MW-111  
 Sample ID: GW-120507-JH-023 GW-122104-DS-011 GW-091307-NT-024 GW-120607-JH-035 GW-120607-JH-036  
 Sample Date: 12/5/2007 12/21/2004 9/13/2007 12/6/2007 12/6/2007  
 Sample Type: Duplicate

Residential Non-Residential  
 GW Pathway Scenario<sup>1</sup> GW Pathway Scenario<sup>1</sup>

| Parameters                                    | a     | b     | Units             |
|-----------------------------------------------|-------|-------|-------------------|
| <b>Volatile Organic Compounds</b>             |       |       |                   |
| 1,2-Dichloroethene (total)                    | 0.82  | 2.8   | mg/L <sup>2</sup> |
| 2-Butanone (Methyl Ethyl Ketone)              | 0.07  | 0.23  | mg/L              |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | 0.26  | 0.93  | mg/L              |
| Acetone                                       | 0.005 | 0.005 | mg/L              |
| Benzene                                       | 0.08  | 0.08  | mg/L              |
| Bromodichloromethane                          | 0.009 | 0.03  | mg/L              |
| Carbon disulfide                              | 0.1   | 0.1   | mg/L              |
| Chlorobenzene                                 | 0.08  | 0.08  | mg/L              |
| Chloroform (Trichloromethane)                 | 0.02  | 0.04  | mg/L              |
| Chloromethane (Methyl Chloride)               | 0.07  | 0.07  | mg/L              |
| cis-1,2-Dichloroethene                        | 0.7   | 0.7   | mg/L              |
| Ethylbenzene                                  | 0.005 | 0.005 | mg/L              |
| Methylene chloride                            | 0.005 | 0.005 | mg/L              |
| Tetrachloroethene                             | 1     | 1     | mg/L              |
| Toluene                                       | 0.1   | 0.1   | mg/L              |
| trans-1,2-Dichloroethene                      | 0.005 | 0.005 | mg/L              |
| Trichloroethene                               | 0.002 | 0.002 | mg/L              |
| Vinyl chloride                                | 10    | 10    | mg/L              |
| Xylene (total)                                |       |       |                   |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA**  
**FORMER FAIRFAX I PLANT SITE**  
**KANSAS CITY, KANSAS**

|                                               |                   |                              |                  |                              |                  |                  |
|-----------------------------------------------|-------------------|------------------------------|------------------|------------------------------|------------------|------------------|
| <b>Sample Location:</b>                       |                   | MW-115A                      | MW-115A          | MW-116A                      | MW-116A          | MW-116A          |
| <b>Sample ID:</b>                             |                   | GW-051399-JH-104             | GW-091207-NT-019 | GW-011706-JH-001             | GW-062706-JH-008 | GW-091107-NT-002 |
| <b>Sample Date:</b>                           |                   | 5/13/1999                    | 9/12/2007        | 1/17/2006                    | 6/27/2006        | 9/11/2007        |
| <b>Sample Type:</b>                           |                   |                              |                  |                              |                  |                  |
| <b>Parameters</b>                             | <b>Units</b>      | <b>Residential</b>           |                  | <b>Non-Residential</b>       |                  |                  |
|                                               |                   | <b>GW Pathway Scenario 1</b> |                  | <b>GW Pathway Scenario 1</b> |                  |                  |
|                                               |                   | <b>a</b>                     | <b>b</b>         |                              |                  |                  |
| <b>Volatile Organic Compounds</b>             |                   |                              |                  |                              |                  |                  |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | --                           | --               | --                           | --               | --               |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                         | 2.8              | 0.01 U                       | 0.01 U           | 0.01 U           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                         | 0.23             | 0.00044 J                    | 0.01 U           | 0.01 U           |
| Acetone                                       | mg/L              | 0.26                         | 0.93             | 0.01 U                       | 0.01 U           | 0.01 U           |
| Benzene                                       | mg/L              | 0.005                        | 0.005            | 0.001 U                      | 0.001 U          | 0.001 U          |
| Bromodichloromethane                          | mg/L              | 0.08                         | 0.08             | 0.001 U                      | 0.001 U          | 0.001 U          |
| Carbon disulfide                              | mg/L              | 0.009                        | 0.03             | 0.001 U                      | 0.001 U          | 0.001 U          |
| Chlorobenzene                                 | mg/L              | 0.1                          | 0.1              | 0.001 U                      | 0.001 U          | 0.001 U          |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                         | 0.08             | 0.001 U                      | 0.001 U          | 0.001 U          |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                         | 0.04             | 0.001 U                      | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                         | 0.07             | 0.001 U                      | 0.0005 U         | 0.0005 U         |
| Ethylbenzene                                  | mg/L              | 0.7                          | 0.7              | 0.001 U                      | 0.001 U          | 0.001 U          |
| Methylene chloride                            | mg/L              | 0.005                        | 0.005            | 0.001 U                      | 0.001 U          | 0.001 U          |
| Tetrachloroethene                             | mg/L              | 0.005                        | 0.005            | 0.001 U                      | 0.001 U          | 0.001 U          |
| Toluene                                       | mg/L              | 1                            | 1                | 0.001 U                      | 0.001 U          | 0.001 U          |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                          | 0.1              | 0.0005 U                     | 0.0005 U         | 0.0005 U         |
| Trichloroethene                               | mg/L              | 0.005                        | 0.005            | 0.001 U                      | 0.001 U          | 0.001 U          |
| Vinyl chloride                                | mg/L              | 0.002                        | 0.002            | 0.001 U                      | 0.001 U          | 0.001 U          |
| Xylene (total)                                | mg/L              | 10                           | 10               | 0.016                        | 0.001 U          | 0.001 U          |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

|                                               |                   |                                        |                  |                                        |                  |                  |          |
|-----------------------------------------------|-------------------|----------------------------------------|------------------|----------------------------------------|------------------|------------------|----------|
| <b>Sample Location:</b>                       |                   | MW-116A                                | MW-116B          | MW-116B                                | MW-116B          | MW-116B          | MW-116B  |
| <b>Sample ID:</b>                             |                   | GW-120407-JH-001                       | GW-011706-JH-002 | GW-062706-JH-007                       | GW-091107-NI-001 | GW-120407-JH-002 |          |
| <b>Sample Date:</b>                           |                   | 12/4/2007                              | 1/17/2006        | 6/27/2006                              | 9/11/2007        | 12/4/2007        |          |
| <b>Sample Type:</b>                           |                   |                                        |                  |                                        |                  |                  |          |
| <b>Parameters</b>                             | <b>Units</b>      | <b>Residential</b>                     |                  | <b>Non-Residential</b>                 |                  |                  |          |
|                                               |                   | <b>GW Pathway Scenario<sup>1</sup></b> |                  | <b>GW Pathway Scenario<sup>1</sup></b> |                  |                  |          |
|                                               |                   | <b>a</b>                               | <b>b</b>         |                                        |                  |                  |          |
| <b>Volatile Organic Compounds</b>             |                   |                                        |                  |                                        |                  |                  |          |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | —                                      | —                |                                        |                  | —                | —        |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                                   | 2.8              |                                        |                  | 0.01 U           | 0.01 U   |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                                   | 0.23             |                                        |                  | 0.01 U           | 0.01 U   |
| Acetone                                       | mg/L              | 0.26                                   | 0.93             |                                        |                  | 0.01 U           | 0.01 U   |
| Benzene                                       | mg/L              | 0.005                                  | 0.005            |                                        |                  | 0.001 U          | 0.001 U  |
| Bromodichloromethane                          | mg/L              | 0.08                                   | 0.08             |                                        |                  | 0.001 U          | 0.001 U  |
| Carbon disulfide                              | mg/L              | 0.009                                  | 0.03             |                                        |                  | 0.001 U          | 0.001 U  |
| Chlorobenzene                                 | mg/L              | 0.1                                    | 0.1              |                                        |                  | 0.001 U          | 0.001 U  |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                                   | 0.08             |                                        |                  | 0.001 U          | 0.001 U  |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                                   | 0.04             |                                        |                  | 0.001 U          | 0.001 U  |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                                   | 0.07             |                                        |                  | 0.0005 U         | 0.0005 U |
| Ethylbenzene                                  | mg/L              | 0.7                                    | 0.7              |                                        |                  | 0.001 U          | 0.001 U  |
| Methylene chloride                            | mg/L              | 0.005                                  | 0.005            |                                        |                  | 0.001 U          | 0.001 U  |
| Tetrachloroethene                             | mg/L              | 0.005                                  | 0.005            |                                        |                  | 0.001 U          | 0.001 U  |
| Toluene                                       | mg/L              | 1                                      | 1                |                                        |                  | 0.00022 J        | 0.001 U  |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                                    | 0.1              |                                        |                  | 0.0005 U         | 0.0005 U |
| Trichloroethene                               | mg/L              | 0.005                                  | 0.005            |                                        |                  | 0.001 U          | 0.001 U  |
| Vinyl chloride                                | mg/L              | 0.002                                  | 0.002            |                                        |                  | 0.001 U          | 0.001 U  |
| Xylene (total)                                | mg/L              | 10                                     | 10               |                                        |                  | 0.001 U          | 0.001 U  |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

| <b>Sample Location:</b>                       |                   | MW-117A                          | MW-117A          | MW-117A                          | MW-117A          | MW-117A          |
|-----------------------------------------------|-------------------|----------------------------------|------------------|----------------------------------|------------------|------------------|
| <b>Sample ID:</b>                             |                   | GW-011706-JH-003                 | GW-062706-JH-004 | GW-091107-NT-003                 | GW-091107-NT-004 | GW-120407-JH-003 |
| <b>Sample Date:</b>                           |                   | 1/17/2006                        | 6/27/2006        | 9/11/2007                        | 9/11/2007        | 12/4/2007        |
| <b>Sample Type:</b>                           |                   |                                  |                  |                                  | Duplicate        |                  |
| Parameters                                    | Units             | Residential                      |                  | Non-Residential                  |                  |                  |
|                                               |                   | GW Pathway Scenario <sup>1</sup> |                  | GW Pathway Scenario <sup>1</sup> |                  |                  |
|                                               |                   | a                                | b                |                                  |                  |                  |
| <b>Volatile Organic Compounds</b>             |                   |                                  |                  |                                  |                  |                  |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | --                               | --               | --                               | --               | --               |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                             | 2.8              | 0.01 U                           | 0.01 U           | 0.01 U           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                             | 0.23             | 0.01 U                           | 0.01 U           | 0.01 U           |
| Acetone                                       | mg/L              | 0.26                             | 0.93             | 0.01 U                           | 0.01 U           | 0.01 U           |
| Benzene                                       | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Bromodichloromethane                          | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          | 0.001 U          |
| Carbon disulfide                              | mg/L              | 0.009                            | 0.03             | 0.001 U                          | 0.001 U          | 0.001 U          |
| Chlorobenzene                                 | mg/L              | 0.1                              | 0.1              | 0.001 U                          | 0.001 U          | 0.001 U          |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          | 0.001 U          |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                             | 0.04             | 0.001 U                          | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                             | 0.07             | 0.0005 U                         | 0.0005 U         | 0.0005 U         |
| Ethylbenzene                                  | mg/L              | 0.7                              | 0.7              | 0.001 U                          | 0.001 U          | 0.001 U          |
| Methylene chloride                            | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Tetrachloroethene                             | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Toluene                                       | mg/L              | 1                                | 1                | 0.001 U                          | 0.001 U          | 0.001 U          |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                              | 0.1              | 0.0005 U                         | 0.0005 U         | 0.0005 U         |
| Trichloroethene                               | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Vinyl chloride                                | mg/L              | 0.002                            | 0.002            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Xylene (total)                                | mg/L              | 10                               | 10               | 0.001 U                          | 0.001 U          | 0.001 U          |

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

| <i>Sample Location:</i>                       |                   | MW-117B                          | MW-117B          | MW-117B                          | MW-117B          | MW-118A          |
|-----------------------------------------------|-------------------|----------------------------------|------------------|----------------------------------|------------------|------------------|
| <i>Sample ID:</i>                             |                   | GW-011706-JH-004                 | GW-062706-JH-003 | GW-091107-NT-005                 | GW-120407-JH-004 | GW-011706-JH-006 |
| <i>Sample Date:</i>                           |                   | 1/17/2006                        | 6/27/2006        | 9/11/2007                        | 12/4/2007        | 1/17/2006        |
| <i>Sample Type:</i>                           |                   |                                  |                  |                                  |                  |                  |
| Parameters                                    | Units             | Residential                      |                  | Non-Residential                  |                  |                  |
|                                               |                   | GW Pathway Scenario <sup>1</sup> |                  | GW Pathway Scenario <sup>1</sup> |                  |                  |
|                                               |                   | a                                | b                |                                  |                  |                  |
| <i>Volatile Organic Compounds</i>             |                   |                                  |                  |                                  |                  |                  |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | —                                | —                | —                                | —                | —                |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                             | 2.8              | 0.01 U                           | 0.01 U           | 0.01 U           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                             | 0.23             | 0.01 U                           | 0.01 U           | 0.01 U           |
| Acetone                                       | mg/L              | 0.26                             | 0.93             | 0.01 U                           | 0.01 U           | 0.01 U           |
| Benzene                                       | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Bromodichloromethane                          | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          | 0.001 U          |
| Carbon disulfide                              | mg/L              | 0.009                            | 0.03             | 0.001 U                          | 0.001 U          | 0.001 U          |
| Chlorobenzene                                 | mg/L              | 0.1                              | 0.1              | 0.001 U                          | 0.001 U          | 0.001 U          |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          | 0.001 U          |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                             | 0.04             | 0.001 U                          | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                             | 0.07             | 0.0013                           | 0.0013           | 0.0029           |
| Ethylbenzene                                  | mg/L              | 0.7                              | 0.7              | 0.001 U                          | 0.001 U          | 0.001 U          |
| Methylene chloride                            | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Tetrachloroethene                             | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Toluene                                       | mg/L              | 1                                | 1                | 0.001 U                          | 0.001 U          | 0.001 U          |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                              | 0.1              | 0.0005 U                         | 0.0005 U         | 0.0005 U         |
| Trichloroethene                               | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.0016           |
| Vinyl chloride                                | mg/L              | 0.002                            | 0.002            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Xylene (total)                                | mg/L              | 10                               | 10               | 0.001 U                          | 0.001 U          | 0.001 U          |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

|                                               |                                                                        |                  |                  |                  |                  |
|-----------------------------------------------|------------------------------------------------------------------------|------------------|------------------|------------------|------------------|
| <i>Sample Location:</i>                       | MW-118A                                                                | MW-118A          | MW-118A          | MW-118B          | MW-118B          |
| <i>Sample ID:</i>                             | GW-062706-JH-006                                                       | GW-091107-NT-008 | GW-120407-JH-006 | GW-011706-JH-005 | GW-062706-JH-005 |
| <i>Sample Date:</i>                           | 6/27/2006                                                              | 9/11/2007        | 12/4/2007        | 1/17/2006        | 6/27/2006        |
| <i>Sample Type:</i>                           |                                                                        |                  |                  |                  |                  |
| <b>Parameters</b>                             | <b>Residential      Non-Residential</b>                                |                  |                  |                  |                  |
|                                               | <b>GW Pathway Scenario<sup>1</sup> GW Pathway Scenario<sup>1</sup></b> |                  |                  |                  |                  |
|                                               | <b>a</b>                                                               | <b>b</b>         |                  |                  |                  |
| <b>Units</b>                                  |                                                                        |                  |                  |                  |                  |
| <b>Volatile Organic Compounds</b>             |                                                                        |                  |                  |                  |                  |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup>                                                      |                  |                  |                  |                  |
| 2-Butanone (Methyl Ethyl Ketone)              | 0.82                                                                   | 2.8              | 0.01 U           | 0.01 U           | 0.01 U           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | 0.07                                                                   | 0.23             | 0.01 U           | 0.01 U           | 0.01 U           |
| Acetone                                       | 0.26                                                                   | 0.93             | 0.01 U           | 0.01 U           | 0.01 U           |
| Benzene                                       | 0.005                                                                  | 0.005            | 0.001 U          | 0.001 U          | 0.001 U          |
| Bromodichloromethane                          | 0.08                                                                   | 0.08             | 0.001 U          | 0.001 U          | 0.001 U          |
| Carbon disulfide                              | 0.009                                                                  | 0.03             | 0.001 U          | 0.001 U          | 0.001 U          |
| Chlorobenzene                                 | 0.1                                                                    | 0.1              | 0.001 U          | 0.001 U          | 0.001 U          |
| Chloroform (Trichloromethane)                 | 0.08                                                                   | 0.08             | 0.001 U          | 0.001 U          | 0.001 U          |
| Chloromethane (Methyl Chloride)               | 0.02                                                                   | 0.04             | 0.001 U          | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                        | 0.07                                                                   | 0.07             | 0.001 U          | 0.001 U          | 0.001 U          |
| Ethylbenzene                                  | 0.7                                                                    | 0.7              | 0.0035           | 0.0049           | 0.0027           |
| Methylene chloride                            | 0.005                                                                  | 0.005            | 0.001 U          | 0.001 U          | 0.001 U          |
| Tetrachloroethene                             | 0.005                                                                  | 0.005            | 0.001 U          | 0.001 U          | 0.001 U          |
| Toluene                                       | 1                                                                      | 1                | 0.001 U          | 0.001 U          | 0.001 U          |
| trans-1,2-Dichloroethene                      | 0.1                                                                    | 0.1              | 0.0005 U         | 0.00027 J        | 0.0002 J         |
| Trichloroethene                               | 0.005                                                                  | 0.005            | 0.00063 J        | 0.001 U          | 0.001 U          |
| Vinyl chloride                                | 0.002                                                                  | 0.002            | 0.001 U          | 0.0011           | 0.00038 J        |
| Xylene (total)                                | 10                                                                     | 10               | 0.001 U          | 0.001 U          | 0.001 U          |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

| <b>Sample Location:</b>                       |                   | MW-118B                          | MW-118B          | MW-119A                          | MW-119A          | MW-119A          |
|-----------------------------------------------|-------------------|----------------------------------|------------------|----------------------------------|------------------|------------------|
| <b>Sample ID:</b>                             |                   | GW-091107-NT-007                 | GW-120407-JH-007 | GW-011806-JH-010                 | GW-011806-JH-011 | GW-062706-JH-015 |
| <b>Sample Date:</b>                           |                   | 9/11/2007                        | 12/4/2007        | 1/18/2006                        | 1/18/2006        | 6/27/2006        |
| <b>Sample Type:</b>                           |                   |                                  |                  |                                  | Duplicate        |                  |
| Parameters                                    | Units             | Residential                      |                  | Non-Residential                  |                  |                  |
|                                               |                   | GW Pathway Scenario <sup>1</sup> |                  | GW Pathway Scenario <sup>1</sup> |                  |                  |
|                                               |                   | a                                | b                |                                  |                  |                  |
| <b>Volatile Organic Compounds</b>             |                   |                                  |                  |                                  |                  |                  |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | --                               | --               | --                               | --               | --               |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                             | 2.8              | 0.01 U                           | 0.01 U           | 0.01 U           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                             | 0.23             | 0.01 U                           | 0.01 U           | 0.01 U           |
| Acetone                                       | mg/L              | 0.26                             | 0.93             | 0.01 U                           | 0.01 U           | 0.01 U           |
| Benzene                                       | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Bromodichloromethane                          | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          | 0.001 U          |
| Carbon disulfide                              | mg/L              | 0.009                            | 0.03             | 0.001 U                          | 0.0003 J         | 0.001 U          |
| Chlorobenzene                                 | mg/L              | 0.1                              | 0.1              | 0.001 U                          | 0.001 U          | 0.001 U          |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          | 0.001 U          |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                             | 0.04             | 0.0016                           | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                             | 0.07             | 0.0029                           | 0.0005 U         | 0.0005 U         |
| Ethylbenzene                                  | mg/L              | 0.7                              | 0.7              | 0.001 U                          | 0.001 U          | 0.001 U          |
| Methylene chloride                            | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Tetrachloroethene                             | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Toluene                                       | mg/L              | 1                                | 1                | 0.001 U                          | 0.001 U          | 0.001 U          |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                              | 0.1              | 0.0005 U                         | 0.0005 U         | 0.0005 U         |
| Trichloroethene                               | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Vinyl chloride                                | mg/L              | 0.002                            | 0.002            | 0.00031 J                        | 0.001 U          | 0.001 U          |
| Xylene (total)                                | mg/L              | 10                               | 10               | 0.001 U                          | 0.001 U          | 0.001 U          |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

| <b>Sample Location:</b>                       |                   | MW-119A                          | MW-119B          | MW-119B                          | MW-119B          |
|-----------------------------------------------|-------------------|----------------------------------|------------------|----------------------------------|------------------|
| <b>Sample ID:</b>                             |                   | GW-091307-NT-030                 | GW-120607-JH-026 | GW-011806-JH-009                 | GW-062706-JH-016 |
| <b>Sample Date:</b>                           |                   | 9/13/2007                        | 12/6/2007        | 1/18/2006                        | 6/27/2006        |
| <b>Sample Type:</b>                           |                   |                                  |                  |                                  |                  |
|                                               |                   |                                  |                  |                                  | MW-119B          |
|                                               |                   |                                  |                  |                                  | GW-091307-NT-031 |
|                                               |                   |                                  |                  |                                  | 9/13/2007        |
| Parameters                                    | Units             | Residential                      |                  | Non-Residential                  |                  |
|                                               |                   | GW Pathway Scenario <sup>1</sup> |                  | GW Pathway Scenario <sup>1</sup> |                  |
|                                               |                   | a                                | b                |                                  |                  |
| <b>Volatile Organic Compounds</b>             |                   |                                  |                  |                                  |                  |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | --                               | --               | --                               | --               |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                             | 2.8              | 0.01 U                           | 0.01 U           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                             | 0.23             | 0.01 U                           | 0.01 U           |
| Acetone                                       | mg/L              | 0.26                             | 0.93             | 0.023 U                          | 0.01 U           |
| Benzene                                       | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          |
| Bromodichloromethane                          | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          |
| Carbon disulfide                              | mg/L              | 0.009                            | 0.03             | 0.001 U                          | 0.001 U          |
| Chlorobenzene                                 | mg/L              | 0.1                              | 0.1              | 0.001 U                          | 0.001 U          |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                             | 0.04             | 0.001 U                          | 0.001 U          |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                             | 0.07             | 0.0005 U                         | 0.0005 U         |
| Ethylbenzene                                  | mg/L              | 0.7                              | 0.7              | 0.001 U                          | 0.001 U          |
| Methylene chloride                            | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          |
| Tetrachloroethene                             | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          |
| Toluene                                       | mg/L              | 1                                | 1                | 0.001 U                          | 0.001 U          |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                              | 0.1              | 0.0005 U                         | 0.0005 U         |
| Trichloroethene                               | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          |
| Vinyl chloride                                | mg/L              | 0.002                            | 0.002            | 0.001 U                          | 0.001 U          |
| Xylene (total)                                | mg/L              | 10                               | 10               | 0.001 U                          | 0.001 U          |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

| <i>Sample Location:</i>                       |                   | MW-119B                          | MW-121A          | MW-121A                          | MW-121A          | MW-121A          |
|-----------------------------------------------|-------------------|----------------------------------|------------------|----------------------------------|------------------|------------------|
| <i>Sample ID:</i>                             |                   | GW-120607-JH-025                 | GW-011806-JH-013 | GW-062606-JH-002                 | GW-091407-JH-035 | GW-120407-JH-008 |
| <i>Sample Date:</i>                           |                   | 12/6/2007                        | 1/18/2006        | 6/26/2006                        | 9/14/2007        | 12/4/2007        |
| <i>Sample Type:</i>                           |                   |                                  |                  |                                  |                  |                  |
| Parameters                                    | Units             | Residential                      |                  | Non-Residential                  |                  |                  |
|                                               |                   | GW Pathway Scenario <sup>1</sup> |                  | GW Pathway Scenario <sup>1</sup> |                  |                  |
|                                               |                   | a                                | b                |                                  |                  |                  |
| <i>Volatile Organic Compounds</i>             |                   |                                  |                  |                                  |                  |                  |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | --                               | --               | --                               | --               | --               |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82                             | 2.8              | 0.01 U                           | 0.01 U           | 0.01 U           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07                             | 0.23             | 0.01 U                           | 0.01 U           | 0.01 U           |
| Acetone                                       | mg/L              | 0.26                             | 0.93             | 0.01 U                           | 0.01 U           | 0.01 U           |
| Benzene                                       | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Bromodichloromethane                          | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          | 0.001 U          |
| Carbon disulfide                              | mg/L              | 0.009                            | 0.03             | 0.001 U                          | 0.001 U          | 0.001 U          |
| Chlorobenzene                                 | mg/L              | 0.1                              | 0.1              | 0.001 U                          | 0.001 U          | 0.001 U          |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08                             | 0.08             | 0.001 U                          | 0.001 U          | 0.001 U          |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02                             | 0.04             | 0.001 U                          | 0.001 U          | 0.001 U          |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07                             | 0.07             | 0.0005 U                         | 0.0005 U         | 0.0005 U         |
| Ethylbenzene                                  | mg/L              | 0.7                              | 0.7              | 0.001 U                          | 0.001 U          | 0.001 U          |
| Methylene chloride                            | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Tetrachloroethene                             | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Toluene                                       | mg/L              | 1                                | 1                | 0.001 U                          | 0.001 U          | 0.001 U          |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1                              | 0.1              | 0.0005 U                         | 0.0005 U         | 0.0005 U         |
| Trichloroethene                               | mg/L              | 0.005                            | 0.005            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Vinyl chloride                                | mg/L              | 0.002                            | 0.002            | 0.001 U                          | 0.001 U          | 0.001 U          |
| Xylene (total)                                | mg/L              | 10                               | 10               | 0.001 U                          | 0.001 U          | 0.001 U          |



TABLE B.1

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**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

|                                               |                   |                  |                                                                   |               |                  |
|-----------------------------------------------|-------------------|------------------|-------------------------------------------------------------------|---------------|------------------|
| Sample Location:                              | MW-124A           | MW-124A          | MW-124A                                                           | MW-124B       | MW-124B          |
| Sample ID:                                    | GW-091207-NT-010  | GW-091207-NT-011 | GW-120507-JH-011                                                  | GW112806GC006 | GW-091207-NT-012 |
| Sample Date:                                  | 9/12/2007         | 9/12/2007        | 12/5/2007                                                         | 11/28/2006    | 9/12/2007        |
| Sample Type:                                  |                   | Duplicate        |                                                                   |               |                  |
| Parameters                                    | a                 | b                |                                                                   |               |                  |
|                                               | Residential       | Non-Residential  | GW Pathway Scenario <sup>1</sup> GW Pathway Scenario <sup>1</sup> |               |                  |
| Units                                         |                   |                  |                                                                   |               |                  |
| Volatile Organic Compounds                    |                   |                  |                                                                   |               |                  |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | --               | --                                                                | --            | --               |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82             | 0.01 U                                                            | 0.01 U        | 0.0029 J         |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07             | 0.01 U                                                            | 0.01 U        | 0.01 U           |
| Acetone                                       | mg/L              | 0.26             | 0.01 U                                                            | 0.01 U        | 0.01 U           |
| Benzene                                       | mg/L              | 0.005            | 0.001 U                                                           | 0.001 U       | 0.001 U          |
| Bromodichloromethane                          | mg/L              | 0.08             | 0.001 U                                                           | 0.001 U       | 0.001 U          |
| Carbon disulfide                              | mg/L              | 0.009            | 0.001 U                                                           | 0.001 U       | 0.001 U          |
| Chlorobenzene                                 | mg/L              | 0.1              | 0.001 U                                                           | 0.001 U       | 0.001 U          |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08             | 0.001 U                                                           | 0.001 U       | 0.0003 J         |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02             | 0.001 U                                                           | 0.001 U       | 0.001 U          |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07             | 0.0005 U                                                          | 0.0005 U      | 0.00026 J        |
| Ethylbenzene                                  | mg/L              | 0.7              | 0.001 U                                                           | 0.001 U       | 0.001 U          |
| Methylene chloride                            | mg/L              | 0.005            | 0.001 U                                                           | 0.001 U       | 0.001 U          |
| Tetrachloroethene                             | mg/L              | 0.005            | 0.001 U                                                           | 0.001 U       | 0.001 U          |
| Toluene                                       | mg/L              | 1                | 0.001 U                                                           | 0.001 U       | 0.001 U          |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1              | 0.0005 U                                                          | 0.0005 U      | 0.0005 U         |
| Trichloroethene                               | mg/L              | 0.005            | 0.001 U                                                           | 0.001 U       | 0.001 U          |
| Vinyl chloride                                | mg/L              | 0.002            | 0.001 U                                                           | 0.001 U       | 0.001 U          |
| Xylene (total)                                | mg/L              | 10               | 0.001 U                                                           | 0.001 U       | 0.001 U          |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

Sample Location: MW-124B MW-125 MW-125 MW-160A MW-160A  
 Sample ID: GW-120507-JH-012 WG-110107-JH-001 GW-120607-JH-032 GW-100398-JM-015 GW-122104-DS-007  
 Sample Date: 12/5/2007 11/1/2007 12/6/2007 10/3/1998 12/21/2004  
 Sample Type:

Residential Non-Residential  
GW Pathway Scenario<sup>1</sup> GW Pathway Scenario<sup>1</sup>

| Parameters                                    | Units             | a     | b         |
|-----------------------------------------------|-------------------|-------|-----------|
| <b>Volatile Organic Compounds</b>             |                   |       |           |
| 1,2-Dichloroethene (total)                    | mg/L <sup>2</sup> | --    | --        |
| 2-Butanone (Methyl Ethyl Ketone)              | mg/L              | 0.82  | 0.01 U    |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | mg/L              | 0.07  | 0.01 U    |
| Acetone                                       | mg/L              | 0.26  | 0.01 U    |
| Benzene                                       | mg/L              | 0.005 | 0.001 U   |
| Bromodichloromethane                          | mg/L              | 0.08  | 0.0017 J  |
| Carbon disulfide                              | mg/L              | 0.009 | 0.001 U   |
| Chlorobenzene                                 | mg/L              | 0.1   | 0.0023 J  |
| Chloroform (Trichloromethane)                 | mg/L              | 0.08  | 0.001 U   |
| Chloromethane (Methyl Chloride)               | mg/L              | 0.02  | 0.00033 J |
| cis-1,2-Dichloroethene                        | mg/L              | 0.07  | 0.001 U   |
| Ethylbenzene                                  | mg/L              | 0.7   | 0.00048 J |
| Methylene chloride                            | mg/L              | 0.005 | 0.001 U   |
| Tetrachloroethene                             | mg/L              | 0.005 | 0.001 U   |
| Toluene                                       | mg/L              | 1     | 0.001 U   |
| trans-1,2-Dichloroethene                      | mg/L              | 0.1   | 0.001 U   |
| Trichloroethene                               | mg/L              | 0.005 | 0.0005 U  |
| Vinyl chloride                                | mg/L              | 0.002 | 0.001 U   |
| Xylene (total)                                | mg/L              | 10    | 0.001 U   |

TABLE B.1

**HISTORICAL SUMMARY OF DETECTED GROUNDWATER ANALYTICAL DATA  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS**

Sample Location: MW-160A MW-160A  
 Sample ID: GW-091407-NT-037 GW-120407-JH-010  
 Sample Date: 9/14/2007 12/4/2007  
 Sample Type:

| Residential<br>GW Pathway Scenario <sup>1</sup> |                   | Non-Residential<br>GW Pathway Scenario <sup>1</sup> |       |
|-------------------------------------------------|-------------------|-----------------------------------------------------|-------|
| Parameters                                      | Units             | a                                                   | b     |
| Volatile Organic Compounds                      |                   |                                                     |       |
| 1,2-Dichloroethene (total)                      | mg/L <sup>2</sup> | --                                                  | --    |
| 2-Butanone (Methyl Ethyl Ketone)                | mg/L              | 0.82                                                | 2.8   |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)   | mg/L              | 0.07                                                | 0.23  |
| Acetone                                         | mg/L              | 0.26                                                | 0.93  |
| Benzene                                         | mg/L              | 0.005                                               | 0.005 |
| Bromodichloromethane                            | mg/L              | 0.08                                                | 0.08  |
| Carbon disulfide                                | mg/L              | 0.009                                               | 0.03  |
| Chlorobenzene                                   | mg/L              | 0.1                                                 | 0.1   |
| Chloroform (Trichloromethane)                   | mg/L              | 0.08                                                | 0.08  |
| Chloromethane (Methyl Chloride)                 | mg/L              | 0.02                                                | 0.04  |
| cis-1,2-Dichloroethene                          | mg/L              | 0.07                                                | 0.07  |
| Ethylbenzene                                    | mg/L              | 0.7                                                 | 0.7   |
| Methylene chloride                              | mg/L              | 0.005                                               | 0.005 |
| Tetrachloroethene                               | mg/L              | 0.005                                               | 0.005 |
| Toluene                                         | mg/L              | 1                                                   | 1     |
| trans-1,2-Dichloroethene                        | mg/L              | 0.1                                                 | 0.1   |
| Trichloroethene                                 | mg/L              | 0.005                                               | 0.005 |
| Vinyl chloride                                  | mg/L              | 0.002                                               | 0.002 |
| Xylene (total)                                  | mg/L              | 10                                                  | 10    |
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<sup>1</sup> Risk-Based Standards for Kansas RSK Manual - 4th Version, Appendix A, June 2007<sup>2</sup> mg/L - milligrams per liter<sup>3</sup> U - not present at or above the associated value<sup>4</sup> J - estimated concentration<sup>5</sup> Box denotes exceedence of KDHE criteria<sup>ab</sup> The letter a and/or b represents the Risk-Based Standard exceeded, respectively

ATTACHMENT C

LABORATORY ANALYTICAL DATA

TABLE C.1

SAMPLE KEY  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS

| <i>Sample ID</i> | <i>Well ID</i>  | <i>Date</i> | <i>QA/QC<sup>1</sup></i> | <i>Parameters<sup>2</sup></i> |
|------------------|-----------------|-------------|--------------------------|-------------------------------|
| GW-120407-JH-001 | MW-116A         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-002 | MW-116B         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-003 | MW-117A         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-004 | MW-117B         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-005 | MW-1            | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-006 | MW-118A         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-007 | MW-118B         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-008 | MW-121A         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-009 | MW-121B         | 12/04/07    | MS/MSD                   | TCL VOCs, TPH-GRO             |
| GW-120407-JH-010 | MW-160A         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-011 | MW-124A         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-012 | MW-124B         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| RW-120507-JH-013 | Equipment Blank | 12/05/07    | Equipment Blank          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-014 | MW-102A         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-015 | MW-102B         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-016 | MW-102C         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-017 | MW-108          | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-018 | MW-105          | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-019 | MW-104          | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-020 | MW-103C         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-021 | MW-103B         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| RW-120507-JH-022 | Equipment Blank | 12/05/07    | Equipment Blank          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-023 | MW-110A         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-024 | MW-1C           | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-025 | MW-119B         | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-026 | MW-119A         | 12/06/07    | MS/MSD                   | TCL VOCs, TPH-GRO             |
| GW-120607-JH-027 | MW-1B           | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-028 | MW-1B           | 12/06/07    | Duplicate                | TCL VOCs, TPH-GRO             |
| GW-120607-JH-029 | MW-1A           | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-030 | MW-103A         | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-031 | MW-103A         | 12/06/07    | Duplicate                | TCL VOCs, TPH-GRO             |
| GW-120607-JH-032 | MW-125A         | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-033 | MW-109          | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| RW-120607-JH-034 | Equipment Blank | 12/06/07    | Equipment Blank          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-035 | MW-111          | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-036 | MW-111          | 12/06/07    | Duplicate                | TCL VOCs, TPH-GRO             |
| GW-120607-JH-037 | MW-110          | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-038 | MW-110          | 12/06/07    | Duplicate                | TCL VOCs, TPH-GRO             |

<sup>1</sup> QA/QC - quality assurance/quality control  
MS/MSD - matrix spike/matrix spike duplicate

<sup>2</sup> TCL VOCs - target compound list volatile organic compounds  
TPH-GRO - total petroleum hydrocarbon gasoline range organics

ATTACHMENT C

LABORATORY ANALYTICAL DATA

TABLE C.1

SAMPLE KEY  
FORMER FAIRFAX I PLANT SITE  
KANSAS CITY, KANSAS

| <i>Sample ID</i> | <i>Well ID</i>  | <i>Date</i> | <i>QA/QC<sup>1</sup></i> | <i>Parameters<sup>2</sup></i> |
|------------------|-----------------|-------------|--------------------------|-------------------------------|
| GW-120407-JH-001 | MW-116A         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-002 | MW-116B         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-003 | MW-117A         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-004 | MW-117B         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-005 | MW-1            | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-006 | MW-118A         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-007 | MW-118B         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-008 | MW-121A         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120407-JH-009 | MW-121B         | 12/04/07    | MS/MSD                   | TCL VOCs, TPH-GRO             |
| GW-120407-JH-010 | MW-160A         | 12/04/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-011 | MW-124A         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-012 | MW-124B         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| RW-120507-JH-013 | Equipment Blank | 12/05/07    | Equipment Blank          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-014 | MW-102A         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-015 | MW-102B         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-016 | MW-102C         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-017 | MW-108          | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-018 | MW-105          | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-019 | MW-104          | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-020 | MW-103C         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-021 | MW-103B         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| RW-120507-JH-022 | Equipment Blank | 12/05/07    | Equipment Blank          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-023 | MW-110A         | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120507-JH-024 | MW-1C           | 12/05/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-025 | MW-119B         | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-026 | MW-119A         | 12/06/07    | MS/MSD                   | TCL VOCs, TPH-GRO             |
| GW-120607-JH-027 | MW-1B           | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-028 | MW-1B           | 12/06/07    | Duplicate                | TCL VOCs, TPH-GRO             |
| GW-120607-JH-029 | MW-1A           | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-030 | MW-103A         | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-031 | MW-103A         | 12/06/07    | Duplicate                | TCL VOCs, TPH-GRO             |
| GW-120607-JH-032 | MW-125A         | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-033 | MW-109          | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| RW-120607-JH-034 | Equipment Blank | 12/06/07    | Equipment Blank          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-035 | MW-111          | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-036 | MW-111          | 12/06/07    | Duplicate                | TCL VOCs, TPH-GRO             |
| GW-120607-JH-037 | MW-110          | 12/06/07    |                          | TCL VOCs, TPH-GRO             |
| GW-120607-JH-038 | MW-110          | 12/06/07    | Duplicate                | TCL VOCs, TPH-GRO             |

<sup>1</sup> QA/QC - quality assurance/quality control  
MS/MSD - matrix spike/matrix spike duplicate

<sup>2</sup> TCL VOCs - target compound list volatile organic compounds  
TPH-GRO - total petroleum hydrocarbon gasoline range organics

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

PROJECT NO. 12559

GM FAIRFAX SSOW# E095007

SDG #: 7L06288

Susan Scrocchi

Conestoga-Rovers & Associates,  
2055 Niagara Falls Blvd.  
Suite Three  
Niagara Falls, NY 14304

TESTAMERICA LABORATORIES, INC.



Denise D. Heckler  
Project Manager

December 26, 2007

## **CASE NARRATIVE**

7L06288

The following report contains the analytical results for forty water samples and one quality control sample submitted to TestAmerica North Canton by Conestoga-Rovers & Associates, Inc. from the GM Fairfax SSOW# E095007 Site, project number 12559. The samples were received December 06, 2007 and December 07, 2007, according to documented sample acceptance procedures.

This SDG consists of (2) laboratory IDs: A7L060288 and A7L070423.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Denise D. Heckler, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 153.

## **SUPPLEMENTAL QC INFORMATION**

### **SAMPLE RECEIVING**

The temperatures of the coolers upon sample receipt were 2.7 and 4.1°C.

See TestAmerica's Cooler Receipt Form for additional information.

## **CASE NARRATIVE (continued)**

### **GC/MS VOLATILES**

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

### **PURGEABLE PETROLEUM HYDROCARBONS-8015**

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

## QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton (formerly STL North Canton) conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

### QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton (formerly STL North Canton) requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

### LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

### METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

| <u>Volatile (GC or GC/MS)</u>              | <u>Semivolatile (GC/MS)</u> | <u>Metals ICP-MS</u>                                                                                     | <u>Metals ICP Trace</u>  |
|--------------------------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------|--------------------------|
| Methylene Chloride,<br>Acetone, 2-Butanone | Phthalate Esters            | Copper, Iron, Zinc,<br>Lead, Calcium,<br>Magnesium, Potassium,<br>Sodium, Barium,<br>Chromium, Manganese | Copper, Iron, Zinc, Lead |

## QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

### MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

### SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.



### TestAmerica North Canton (formerly STL North Canton) Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),  
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio VAP  
(#CL0024), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit,

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## EXECUTIVE SUMMARY - Detection Highlights

7L06288 : A7L060288

| PARAMETER                           | RESULT | REPORTING<br>LIMIT | UNITS | ANALYTICAL<br>METHOD |
|-------------------------------------|--------|--------------------|-------|----------------------|
| GW-120407-JH-001 12/04/07 09:00 001 |        |                    |       |                      |
| TPH (as Gasoline)                   | 60 J   | 100                | ug/L  | SW846 8015B          |
| Toluene                             | 0.22 J | 1.0                | ug/L  | SW846 8260B          |
| GW-120407-JH-002 12/04/07 09:55 002 |        |                    |       |                      |
| TPH (as Gasoline)                   | 33 J   | 100                | ug/L  | SW846 8015B          |
| GW-120407-JH-003 12/04/07 11:00 003 |        |                    |       |                      |
| TPH (as Gasoline)                   | 45 J   | 100                | ug/L  | SW846 8015B          |
| GW-120407-JH-004 12/04/07 11:30 004 |        |                    |       |                      |
| TPH (as Gasoline)                   | 45 J   | 100                | ug/L  | SW846 8015B          |
| cis-1,2-Dichloroethene              | 1.3    | 0.50               | ug/L  | SW846 8260B          |
| GW-120407-JH-005 12/04/07 13:20 005 |        |                    |       |                      |
| TPH (as Gasoline)                   | 30 J   | 100                | ug/L  | SW846 8015B          |
| GW-120407-JH-006 12/04/07 14:40 006 |        |                    |       |                      |
| TPH (as Gasoline)                   | 41 J   | 100                | ug/L  | SW846 8015B          |
| cis-1,2-Dichloroethene              | 3.1    | 0.50               | ug/L  | SW846 8260B          |
| Trichloroethene                     | 0.64 J | 1.0                | ug/L  | SW846 8260B          |
| GW-120407-JH-007 12/04/07 14:55 007 |        |                    |       |                      |
| TPH (as Gasoline)                   | 40 J   | 100                | ug/L  | SW846 8015B          |
| cis-1,2-Dichloroethene              | 2.8    | 0.50               | ug/L  | SW846 8260B          |
| Vinyl chloride                      | 0.36 J | 1.0                | ug/L  | SW846 8260B          |
| GW-120407-JH-008 12/04/07 15:45 008 |        |                    |       |                      |
| TPH (as Gasoline)                   | 36 J   | 100                | ug/L  | SW846 8015B          |
| GW-120407-JH-009 12/04/07 16:00 009 |        |                    |       |                      |
| TPH (as Gasoline)                   | 33 J   | 100                | ug/L  | SW846 8015B          |

(Continued on next page)

## EXECUTIVE SUMMARY - Detection Highlights

7L06288 : A7L060288

| PARAMETER                           | RESULT | REPORTING<br>LIMIT | UNITS | ANALYTICAL<br>METHOD |
|-------------------------------------|--------|--------------------|-------|----------------------|
| GW-120407-JH-010 12/04/07 16:50 010 |        |                    |       |                      |
| TPH (as Gasoline)                   | 33 J   | 100                | ug/L  | SW846 8015B          |
| GW-120507-JH-011 12/05/07 08:55 011 |        |                    |       |                      |
| TPH (as Gasoline)                   | 36 J   | 100                | ug/L  | SW846 8015B          |
| GW-120507-JH-012 12/05/07 09:15 012 |        |                    |       |                      |
| TPH (as Gasoline)                   | 35 J   | 100                | ug/L  | SW846 8015B          |
| Chlorobenzene                       | 0.23 J | 1.0                | ug/L  | SW846 8260B          |
| cis-1,2-Dichloroethene              | 0.22 J | 0.50               | ug/L  | SW846 8260B          |
| RW-120507-JH-013 12/05/07 09:40 013 |        |                    |       |                      |
| TPH (as Gasoline)                   | 31 J   | 100                | ug/L  | SW846 8015B          |
| Chloroform                          | 0.27 J | 1.0                | ug/L  | SW846 8260B          |
| GW-120507-JH-014 12/05/07 10:50 014 |        |                    |       |                      |
| TPH (as Gasoline)                   | 32 J   | 100                | ug/L  | SW846 8015B          |
| GW-120507-JH-015 12/05/07 11:10 015 |        |                    |       |                      |
| TPH (as Gasoline)                   | 30 J   | 100                | ug/L  | SW846 8015B          |

(Continued on next page)

## EXECUTIVE SUMMARY - Detection Highlights

7L06288 : A7L070423

| PARAMETER                           | RESULT | REPORTING<br>LIMIT | UNITS | ANALYTICAL<br>METHOD |
|-------------------------------------|--------|--------------------|-------|----------------------|
| GW-120507-JH-016 12/05/07 11:30 001 |        |                    |       |                      |
| TPH (as Gasoline)                   | 33 J   | 100                | ug/L  | SW846 8015B          |
| GW-120507-JH-017 12/05/07 13:05 002 |        |                    |       |                      |
| TPH (as Gasoline)                   | 28 J   | 100                | ug/L  | SW846 8015B          |
| GW-120507-JH-018 12/05/07 13:50 003 |        |                    |       |                      |
| cis-1,2-Dichloroethene              | 3.7    | 0.50               | ug/L  | SW846 8260B          |
| Tetrachloroethene                   | 0.35 J | 1.0                | ug/L  | SW846 8260B          |
| Trichloroethene                     | 0.75 J | 1.0                | ug/L  | SW846 8260B          |
| GW-120507-JH-019 12/05/07 14:20 004 |        |                    |       |                      |
| cis-1,2-Dichloroethene              | 0.22 J | 0.50               | ug/L  | SW846 8260B          |
| GW-120507-JH-020 12/05/07 14:50 005 |        |                    |       |                      |
| TPH (as Gasoline)                   | 31 J   | 100                | ug/L  | SW846 8015B          |
| GW-120507-JH-021 12/05/07 15:05 006 |        |                    |       |                      |
| TPH (as Gasoline)                   | 31 J   | 100                | ug/L  | SW846 8015B          |
| cis-1,2-Dichloroethene              | 6.4    | 0.50               | ug/L  | SW846 8260B          |
| Toluene                             | 0.26 J | 1.0                | ug/L  | SW846 8260B          |
| Vinyl chloride                      | 1.0    | 1.0                | ug/L  | SW846 8260B          |
| RW-120507-JH-022 12/05/07 15:20 007 |        |                    |       |                      |
| TPH (as Gasoline)                   | 33 J   | 100                | ug/L  | SW846 8015B          |
| Acetone                             | 5.6 J  | 10                 | ug/L  | SW846 8260B          |
| GW-120507-JH-023 12/05/07 16:05 008 |        |                    |       |                      |
| TPH (as Gasoline)                   | 33 J   | 100                | ug/L  | SW846 8015B          |
| cis-1,2-Dichloroethene              | 1.9    | 0.50               | ug/L  | SW846 8260B          |
| Tetrachloroethene                   | 9.6    | 1.0                | ug/L  | SW846 8260B          |
| Trichloroethene                     | 1.4    | 1.0                | ug/L  | SW846 8260B          |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

7L06288 : A7L070423

| PARAMETER                           | RESULT | REPORTING<br>LIMIT | UNITS | ANALYTICAL<br>METHOD |
|-------------------------------------|--------|--------------------|-------|----------------------|
| GW-120607-JH-025 12/06/07 09:15 010 |        |                    |       |                      |
| TPH (as Gasoline)                   | 31 J   | 100                | ug/L  | SW846 8015B          |
| GW-120607-JH-026 12/06/07 09:30 011 |        |                    |       |                      |
| TPH (as Gasoline)                   | 33 J   | 100                | ug/L  | SW846 8015B          |
| GW-120607-JH-028 12/06/07 10:45 013 |        |                    |       |                      |
| TPH (as Gasoline)                   | 30 J   | 100                | ug/L  | SW846 8015B          |
| GW-120607-JH-029 12/06/07 11:15 014 |        |                    |       |                      |
| cis-1,2-Dichloroethene              | 0.36 J | 0.50               | ug/L  | SW846 8260B          |
| GW-120607-JH-030 12/06/07 12:00 015 |        |                    |       |                      |
| TPH (as Gasoline)                   | 470000 | 100000             | ug/L  | SW846 8015B          |
| Ethylbenzene                        | 8000   | 5000               | ug/L  | SW846 8260B          |
| 4-Methyl-2-pentanone                | 160000 | 50000              | ug/L  | SW846 8260B          |
| Toluene                             | 150000 | 5000               | ug/L  | SW846 8260B          |
| Xylenes (total)                     | 57000  | 5000               | ug/L  | SW846 8260B          |
| GW-120607-JH-031 12/06/07 12:30 016 |        |                    |       |                      |
| TPH (as Gasoline)                   | 540000 | 100000             | ug/L  | SW846 8015B          |
| Ethylbenzene                        | 7500   | 5000               | ug/L  | SW846 8260B          |
| 4-Methyl-2-pentanone                | 160000 | 50000              | ug/L  | SW846 8260B          |
| Toluene                             | 140000 | 5000               | ug/L  | SW846 8260B          |
| Xylenes (total)                     | 56000  | 5000               | ug/L  | SW846 8260B          |
| GW-120607-JH-032 12/06/07 13:40 017 |        |                    |       |                      |
| TPH (as Gasoline)                   | 50 J   | 100                | ug/L  | SW846 8015B          |
| cis-1,2-Dichloroethene              | 0.48 J | 0.50               | ug/L  | SW846 8260B          |
| Tetrachloroethene                   | 0.47 J | 1.0                | ug/L  | SW846 8260B          |
| GW-120607-JH-033 12/06/07 14:20 018 |        |                    |       |                      |
| TPH (as Gasoline)                   | 56 J   | 100                | ug/L  | SW846 8015B          |
| cis-1,2-Dichloroethene              | 20     | 0.50               | ug/L  | SW846 8260B          |
| trans-1,2-Dichloroethene            | 1.5    | 0.50               | ug/L  | SW846 8260B          |
| Vinyl chloride                      | 0.29 J | 1.0                | ug/L  | SW846 8260B          |

(Continued on next page)

## EXECUTIVE SUMMARY - Detection Highlights

7L06288 : A7L070423

| PARAMETER                                     | RESULT | REPORTING<br>LIMIT | UNITS | ANALYTICAL<br>METHOD |
|-----------------------------------------------|--------|--------------------|-------|----------------------|
| <b>RW-120607-JH-034 12/06/07 14:30 019</b>    |        |                    |       |                      |
| TPH (as Gasoline)                             | 45 J   | 100                | ug/L  | SW846 8015B          |
| Chloroform                                    | 0.55 J | 1.0                | ug/L  | SW846 8260B          |
| <b>GW-120607-JH-035 12/06/07 15:10 020</b>    |        |                    |       |                      |
| TPH (as Gasoline)                             | 130    | 100                | ug/L  | SW846 8015B          |
| cis-1,2-Dichloroethene                        | 88     | 1.7                | ug/L  | SW846 8260B          |
| trans-1,2-Dichloroethene                      | 6.2    | 1.7                | ug/L  | SW846 8260B          |
| Methylene chloride                            | 1.7 J  | 3.3                | ug/L  | SW846 8260B          |
| Vinyl chloride                                | 7.0    | 3.3                | ug/L  | SW846 8260B          |
| <b>GW-120607-JH-036 12/06/07 15:30 021</b>    |        |                    |       |                      |
| TPH (as Gasoline)                             | 120    | 100                | ug/L  | SW846 8015B          |
| cis-1,2-Dichloroethene                        | 89     | 1.7                | ug/L  | SW846 8260B          |
| trans-1,2-Dichloroethene                      | 6.0    | 1.7                | ug/L  | SW846 8260B          |
| Methylene chloride                            | 2.8 J  | 3.3                | ug/L  | SW846 8260B          |
| Vinyl chloride                                | 6.7    | 3.3                | ug/L  | SW846 8260B          |
| <b>GW-120607-JH-037 12/06/07 15:55 022</b>    |        |                    |       |                      |
| TPH (as Gasoline)                             | 29 J   | 100                | ug/L  | SW846 8015B          |
| cis-1,2-Dichloroethene                        | 0.33 J | 0.50               | ug/L  | SW846 8260B          |
| <b>GW-120607-JH-038 12/06/07 16:30 023</b>    |        |                    |       |                      |
| cis-1,2-Dichloroethene                        | 0.35 J | 0.50               | ug/L  | SW846 8260B          |
| <b>TRIP BLANK B COOLER 68187 12/06/07 024</b> |        |                    |       |                      |
| Acetone                                       | 1.9 J  | 10                 | ug/L  | SW846 8260B          |

## ANALYTICAL METHODS SUMMARY

7L06288

| <u>PARAMETER</u>                | <u>ANALYTICAL<br/>METHOD</u> |
|---------------------------------|------------------------------|
| Volatile Organics by GC/MS      | SW846 8260B                  |
| Volatile Petroleum Hydrocarbons | SW846 8015B                  |

### References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

## SAMPLE SUMMARY

7L06288 : A7L060288

| WO #  | SAMPLE# | CLIENT SAMPLE ID | SAMPLED<br>DATE | SAMP<br>TIME |
|-------|---------|------------------|-----------------|--------------|
| KDLKE | 001     | GW-120407-JH-001 | 12/04/07        | 09:00        |
| KDLKW | 002     | GW-120407-JH-002 | 12/04/07        | 09:55        |
| KDLK1 | 003     | GW-120407-JH-003 | 12/04/07        | 11:00        |
| KDLK3 | 004     | GW-120407-JH-004 | 12/04/07        | 11:30        |
| KDLK6 | 005     | GW-120407-JH-005 | 12/04/07        | 13:20        |
| KDLK8 | 006     | GW-120407-JH-006 | 12/04/07        | 14:40        |
| KDLA  | 007     | GW-120407-JH-007 | 12/04/07        | 14:55        |
| KDLLJ | 008     | GW-120407-JH-008 | 12/04/07        | 15:45        |
| KDLLN | 009     | GW-120407-JH-009 | 12/04/07        | 16:00        |
| KDLLQ | 010     | GW-120407-JH-010 | 12/04/07        | 16:50        |
| KDLLV | 011     | GW-120507-JH-011 | 12/05/07        | 08:55        |
| KDLL4 | 012     | GW-120507-JH-012 | 12/05/07        | 09:15        |
| KDLL8 | 013     | RW-120507-JH-013 | 12/05/07        | 09:40        |
| KDLMD | 014     | GW-120507-JH-014 | 12/05/07        | 10:50        |
| KDLMF | 015     | GW-120507-JH-015 | 12/05/07        | 11:10        |
| KDLMH | 016     | TRIP BLANK-A     | 12/04/07        |              |

### NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

## SAMPLE SUMMARY

7L06288 : A7L070423

| WO #  | SAMPLE# | CLIENT SAMPLE ID          | SAMPLED<br>DATE | SAMP<br>TIME |
|-------|---------|---------------------------|-----------------|--------------|
| KDQPJ | 001     | GW-120507-JH-016          | 12/05/07        | 11:30        |
| KDQPP | 002     | GW-120507-JH-017          | 12/05/07        | 13:05        |
| KDQPQ | 003     | GW-120507-JH-018          | 12/05/07        | 13:50        |
| KDQPT | 004     | GW-120507-JH-019          | 12/05/07        | 14:20        |
| KDQPV | 005     | GW-120507-JH-020          | 12/05/07        | 14:50        |
| KDQPX | 006     | GW-120507-JH-021          | 12/05/07        | 15:05        |
| KDQP1 | 007     | RW-120507-JH-022          | 12/05/07        | 15:20        |
| KDQP2 | 008     | GW-120507-JH-023          | 12/05/07        | 16:05        |
| KDQP4 | 009     | GW-120507-JH-024          | 12/05/07        | 16:45        |
| KDQP6 | 010     | GW-120607-JH-025          | 12/06/07        | 09:15        |
| KDQQA | 011     | GW-120607-JH-026          | 12/06/07        | 09:30        |
| KDQQC | 012     | GW-120607-JH-027          | 12/06/07        | 10:30        |
| KDQQE | 013     | GW-120607-JH-028          | 12/06/07        | 10:45        |
| KDQQG | 014     | GW-120607-JH-029          | 12/06/07        | 11:15        |
| KDQQH | 015     | GW-120607-JH-030          | 12/06/07        | 12:00        |
| KDQQK | 016     | GW-120607-JH-031          | 12/06/07        | 12:30        |
| KDQQM | 017     | GW-120607-JH-032          | 12/06/07        | 13:40        |
| KDQQN | 018     | GW-120607-JH-033          | 12/06/07        | 14:20        |
| KDQQP | 019     | RW-120607-JH-034          | 12/06/07        | 14:30        |
| KDQQR | 020     | GW-120607-JH-035          | 12/06/07        | 15:10        |
| KDQQT | 021     | GW-120607-JH-036          | 12/06/07        | 15:30        |
| KDQQW | 022     | GW-120607-JH-037          | 12/06/07        | 15:55        |
| KDQQO | 023     | GW-120607-JH-038          | 12/06/07        | 16:30        |
| KDQQ2 | 024     | TRIP BLANK B COOLER 68187 | 12/06/07        |              |
| KDQRR | 025     | TRIP BLANK C COOLER 68182 | 12/06/07        |              |

### NOTE(S) :

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- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-001

GC/MS Volatiles

Lot-Sample #....: A7L060288-001 Work Order #....: KDLKE1AA Matrix.....: WG  
 Date Sampled....: 12/04/07 09:00 Date Received...: 12/06/07  
 Prep Date.....: 12/11/07 Analysis Date...: 12/11/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT        | REPORTING<br>LIMIT | UNITS       | MDL         |
|---------------------------|---------------|--------------------|-------------|-------------|
| Acetone                   | ND            | 10                 | ug/L        | 1.1         |
| Benzene                   | ND            | 1.0                | ug/L        | 0.13        |
| Bromodichloromethane      | ND            | 1.0                | ug/L        | 0.15        |
| Bromoform                 | ND            | 1.0                | ug/L        | 0.64        |
| Bromomethane              | ND            | 1.0                | ug/L        | 0.41        |
| 2-Butanone                | ND            | 10                 | ug/L        | 0.57        |
| Carbon disulfide          | ND            | 1.0                | ug/L        | 0.13        |
| Carbon tetrachloride      | ND            | 1.0                | ug/L        | 0.13        |
| Chlorobenzene             | ND            | 1.0                | ug/L        | 0.15        |
| Chloroethane              | ND            | 1.0                | ug/L        | 0.29        |
| Chloroform                | ND            | 1.0                | ug/L        | 0.16        |
| Chloromethane             | ND            | 1.0                | ug/L        | 0.30        |
| Dibromochloromethane      | ND            | 1.0                | ug/L        | 0.18        |
| 1,1-Dichloroethane        | ND            | 1.0                | ug/L        | 0.15        |
| 1,2-Dichloroethane        | ND            | 1.0                | ug/L        | 0.22        |
| 1,1-Dichloroethene        | ND            | 1.0                | ug/L        | 0.19        |
| cis-1,2-Dichloroethene    | ND            | 0.50               | ug/L        | 0.17        |
| trans-1,2-Dichloroethene  | ND            | 0.50               | ug/L        | 0.19        |
| 1,2-Dichloropropane       | ND            | 1.0                | ug/L        | 0.18        |
| cis-1,3-Dichloropropene   | ND            | 1.0                | ug/L        | 0.14        |
| trans-1,3-Dichloropropene | ND            | 1.0                | ug/L        | 0.19        |
| Ethylbenzene              | ND            | 1.0                | ug/L        | 0.17        |
| 2-Hexanone                | ND            | 10                 | ug/L        | 0.41        |
| Methylene chloride        | ND            | 1.0                | ug/L        | 0.33        |
| 4-Methyl-2-pentanone      | ND            | 10                 | ug/L        | 0.32        |
| Styrene                   | ND            | 1.0                | ug/L        | 0.11        |
| 1,1,2,2-Tetrachloroethane | ND            | 1.0                | ug/L        | 0.18        |
| Tetrachloroethene         | ND            | 1.0                | ug/L        | 0.29        |
| <b>Toluene</b>            | <b>0.22 J</b> | <b>1.0</b>         | <b>ug/L</b> | <b>0.13</b> |
| 1,1,1-Trichloroethane     | ND            | 1.0                | ug/L        | 0.22        |
| 1,1,2-Trichloroethane     | ND            | 1.0                | ug/L        | 0.27        |
| Trichloroethene           | ND            | 1.0                | ug/L        | 0.17        |
| Vinyl chloride            | ND            | 1.0                | ug/L        | 0.22        |
| Xylenes (total)           | ND            | 1.0                | ug/L        | 0.28        |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 96                  | (61 - 128)         |
| Toluene-d8            | 96                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 93                  | (74 - 116)         |

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-001

GC/MS Volatiles

Lot-Sample #....: A7L060288-001 Work Order #....: KDLKE1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-001

GC Volatiles

Lot-Sample #....: A7L060288-001    Work Order #....: KDLKE1AC    Matrix.....: WG  
Date Sampled....: 12/04/07 09:00    Date Received...: 12/06/07  
Prep Date.....: 12/07/07    Analysis Date...: 12/07/07  
Prep Batch #....: 7344082  
Dilution Factor: 1    Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------------|--------------|------------|
| TPH (as Gasoline) | 60 J          | 100                              | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RECOVERY</u><br><u>LIMITS</u> |
|------------------|-----------------------------------|----------------------------------|
| Trifluorotoluene | 97                                | (10 - 150)                       |

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-002

GC/MS Volatiles

Lot-Sample #....: A7L060288-002    Work Order #....: KDLKW1AA    Matrix.....: WG  
 Date Sampled....: 12/04/07 09:55    Date Received...: 12/06/07  
 Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1    Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 91                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 92                  | (61 - 128)         |
| Toluene-d8            | 98                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 95                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-002

GC Volatiles

Lot-Sample #....: A7L060288-002    Work Order #....: KDLKW1AC    Matrix.....: WG  
Date Sampled...: 12/04/07 09:55    Date Received...: 12/06/07  
Prep Date.....: 12/07/07    Analysis Date...: 12/07/07  
Prep Batch #....: 7344082  
Dilution Factor: 1    Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------|--------------|------------|
| TPH (as Gasoline) | 33 J          | 100                        | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> |
|------------------|-----------------------------|----------------------------|
| Trifluorotoluene | 100                         | (10 - 150)                 |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-003

GC/MS Volatiles

Lot-Sample #....: A7L060288-003 Work Order #....: KDLK11AA Matrix.....: WG  
 Date Sampled....: 12/04/07 11:00 Date Received...: 12/06/07  
 Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1 Method.....: SW846.8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 96                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 98                  | (61 - 128)         |
| Toluene-d8            | 97                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 94                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-003

GC Volatiles

Lot-Sample #....: A7L060288-003    Work Order #....: KDLK11AC    Matrix.....: WG  
Date Sampled....: 12/04/07 11:00    Date Received...: 12/06/07  
Prep Date.....: 12/08/07    Analysis Date...: 12/08/07  
Prep Batch #....: 7344082  
Dilution Factor: 1    Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------|--------------|------------|
| TPH (as Gasoline) | 45 J          | 100                        | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> |
|------------------|-----------------------------|----------------------------|
| Trifluorotoluene | 99                          | (10 - 150)                 |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-004

GC/MS Volatiles

Lot-Sample #....: A7L060288-004    Work Order #....: KDLK31AA    Matrix.....: WG  
 Date Sampled....: 12/04/07 11:30    Date Received...: 12/06/07  
 Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1    Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | 1.3    | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 95                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 96                  | (61 - 128)         |
| Toluene-d8            | 97                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 96                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-004

GC Volatiles

Lot-Sample #...: A7L060288-004 Work Order #...: KDLK31AC Matrix.....: WG  
Date Sampled...: 12/04/07 11:30 Date Received...: 12/06/07  
Prep Date.....: 12/08/07 Analysis Date...: 12/08/07  
Prep Batch #...: 7344082  
Dilution Factor: 1 Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 45 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 100                 | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-005

GC/MS Volatiles

Lot-Sample #....: A7L060288-005    Work Order #....: KDLK61AA    Matrix.....: WG  
 Date Sampled....: 12/04/07 13:20    Date Received...: 12/06/07  
 Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1    Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 93                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 94                  | (61 - 128)         |
| Toluene-d8            | 94                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 93                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-005

GC Volatiles

Lot-Sample #....: A7L060288-005    Work Order #....: KDLK61AC    Matrix.....: WG  
Date Sampled....: 12/04/07 13:20    Date Received...: 12/06/07  
Prep Date.....: 12/08/07    Analysis Date...: 12/08/07  
Prep Batch #....: 7344082  
Dilution Factor: 1    Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 30 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 96                  | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-006

GC/MS Volatiles

Lot-Sample #....: A7L060288-006 Work Order #....: KDLK81AA Matrix.....: WG  
 Date Sampled....: 12/04/07 14:40 Date Received...: 12/06/07  
 Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1 Method.....: SW846.8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | 3.1    | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | 0.64 J | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 97                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 98                  | (61 - 128)         |
| Toluene-d8            | 98                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 95                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-006

GC/MS Volatiles

Lot-Sample #....: A7L060288-006 Work Order #....: KDLK81AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-006

GC Volatiles

Lot-Sample #...: A7L060288-006 Work Order #...: KDLK81AC Matrix.....: WG  
Date Sampled...: 12/04/07 14:40 Date Received...: 12/06/07  
Prep Date.....: 12/08/07 Analysis Date...: 12/08/07  
Prep Batch #...: 7344082  
Dilution Factor: 1 Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------------|--------------|------------|
| TPH (as Gasoline) | 41 J          | 100                              | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RECOVERY</u><br><u>LIMITS</u> |
|------------------|-----------------------------------|----------------------------------|
| Trifluorotoluene | 99                                | (10 - 150)                       |

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-007

GC/MS Volatiles

Lot-Sample #....: A7L060288-007 Work Order #....: KDLLA1AA Matrix.....: WG  
 Date Sampled....: 12/04/07 14:55 Date Received...: 12/06/07  
 Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | 2.8    | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | 0.36 J | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 97                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 98                  | (61 - 128)         |
| Toluene-d8            | 96                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 96                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-007

GC/MS Volatiles

Lot-Sample #....: A7L060288-007 Work Order #....: KDLLA1AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-007

GC Volatiles

Lot-Sample #....: A7L060288-007 Work Order #....: KDLLA1AC Matrix.....: WG  
Date Sampled....: 12/04/07 14:55 Date Received...: 12/06/07  
Prep Date.....: 12/08/07 Analysis Date...: 12/08/07  
Prep Batch #....: 7344082  
Dilution Factor: 1 Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 40 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 95                  | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-008

GC/MS Volatiles

Lot-Sample #....: A7L060288-008 Work Order #....: KDLLJ1AA Matrix.....: WG  
 Date Sampled....: 12/04/07 15:45 Date Received...: 12/06/07  
 Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 95                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 97                  | (61 - 128)         |
| Toluene-d8            | 97                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 96                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-008

GC Volatiles

Lot-Sample #....: A7L060288-008 Work Order #....: KDLLJ1AC Matrix.....: WG  
Date Sampled....: 12/04/07 15:45 Date Received...: 12/06/07  
Prep Date.....: 12/08/07 Analysis Date...: 12/08/07  
Prep Batch #....: 7344082  
Dilution Factor: 1 Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 36 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 99                  | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-009

GC/MS Volatiles

Lot-Sample #....: A7L060288-009 Work Order #....: KDLLN1AA Matrix.....: WG  
 Date Sampled....: 12/04/07 16:00 Date Received...: 12/06/07  
 Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 94                  | (61 - 128)         |
| Toluene-d8            | 96                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 96                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-009

GC Volatiles

Lot-Sample #....: A7L060288-009    Work Order #....: KDLLN1AE    Matrix.....: WG  
Date Sampled....: 12/04/07 16:00    Date Received...: 12/06/07  
Prep Date.....: 12/08/07    Analysis Date...: 12/08/07  
Prep Batch #....: 7344082  
Dilution Factor: 1    Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 33 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 100                 | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-010

GC/MS Volatiles

Lot-Sample #....: A7L060288-010 Work Order #....: KDLLQ1AA Matrix.....: WG  
 Date Sampled....: 12/04/07 16:50 Date Received...: 12/06/07  
 Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 98                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 99                  | (61 - 128)         |
| Toluene-d8            | 94                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 96                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120407-JH-010

GC Volatiles

Lot-Sample #....: A7L060288-010    Work Order #....: KDLLQ1AC    Matrix.....: WG  
Date Sampled....: 12/04/07 16:50    Date Received...: 12/06/07  
Prep Date.....: 12/08/07    Analysis Date...: 12/08/07  
Prep Batch #....: 7344082  
Dilution Factor: 1    Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 33 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 91                  | (10 - 150)         |

NOTE (S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-011

GC/MS Volatiles

Lot-Sample #....: A7L060288-011 Work Order #....: KDLLV1AA Matrix.....: WG  
 Date Sampled....: 12/05/07 08:55 Date Received...: 12/06/07  
 Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 97                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 96                  | (61 - 128)         |
| Toluene-d8            | 96                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 95                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-011

GC Volatiles

Lot-Sample #....: A7L060288-011 Work Order #....: KDLLV1AC Matrix.....: WG  
Date Sampled....: 12/05/07 08:55 Date Received...: 12/06/07  
Prep Date.....: 12/08/07 Analysis Date...: 12/08/07  
Prep Batch #....: 7344082  
Dilution Factor: 1 Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 36 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 93                  | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-012

GC/MS Volatiles

Lot-Sample #....: A7L060288-012    Work Order #....: KDLL41AA    Matrix.....: WG  
 Date Sampled....: 12/05/07 09:15    Date Received...: 12/06/07  
 Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1    Method.....: SW846.8260B

| PARAMETER                     | RESULT        | REPORTING<br>LIMIT | UNITS       | MDL         |
|-------------------------------|---------------|--------------------|-------------|-------------|
| Acetone                       | ND            | 10                 | ug/L        | 1.1         |
| Benzene                       | ND            | 1.0                | ug/L        | 0.13        |
| Bromodichloromethane          | ND            | 1.0                | ug/L        | 0.15        |
| Bromoform                     | ND            | 1.0                | ug/L        | 0.64        |
| Bromomethane                  | ND            | 1.0                | ug/L        | 0.41        |
| 2-Butanone                    | ND            | 10                 | ug/L        | 0.57        |
| Carbon disulfide              | ND            | 1.0                | ug/L        | 0.13        |
| Carbon tetrachloride          | ND            | 1.0                | ug/L        | 0.13        |
| <b>Chlorobenzene</b>          | <b>0.23 J</b> | <b>1.0</b>         | <b>ug/L</b> | <b>0.15</b> |
| Chloroethane                  | ND            | 1.0                | ug/L        | 0.29        |
| Chloroform                    | ND            | 1.0                | ug/L        | 0.16        |
| Chloromethane                 | ND            | 1.0                | ug/L        | 0.30        |
| Dibromochloromethane          | ND            | 1.0                | ug/L        | 0.18        |
| 1,1-Dichloroethane            | ND            | 1.0                | ug/L        | 0.15        |
| 1,2-Dichloroethane            | ND            | 1.0                | ug/L        | 0.22        |
| 1,1-Dichloroethene            | ND            | 1.0                | ug/L        | 0.19        |
| <b>cis-1,2-Dichloroethene</b> | <b>0.22 J</b> | <b>0.50</b>        | <b>ug/L</b> | <b>0.17</b> |
| trans-1,2-Dichloroethene      | ND            | 0.50               | ug/L        | 0.19        |
| 1,2-Dichloropropane           | ND            | 1.0                | ug/L        | 0.18        |
| cis-1,3-Dichloropropene       | ND            | 1.0                | ug/L        | 0.14        |
| trans-1,3-Dichloropropene     | ND            | 1.0                | ug/L        | 0.19        |
| Ethylbenzene                  | ND            | 1.0                | ug/L        | 0.17        |
| 2-Hexanone                    | ND            | 10                 | ug/L        | 0.41        |
| Methylene chloride            | ND            | 1.0                | ug/L        | 0.33        |
| 4-Methyl-2-pentanone          | ND            | 10                 | ug/L        | 0.32        |
| Styrene                       | ND            | 1.0                | ug/L        | 0.11        |
| 1,1,2,2-Tetrachloroethane     | ND            | 1.0                | ug/L        | 0.18        |
| Tetrachloroethene             | ND            | 1.0                | ug/L        | 0.29        |
| Toluene                       | ND            | 1.0                | ug/L        | 0.13        |
| 1,1,1-Trichloroethane         | ND            | 1.0                | ug/L        | 0.22        |
| 1,1,2-Trichloroethane         | ND            | 1.0                | ug/L        | 0.27        |
| Trichloroethene               | ND            | 1.0                | ug/L        | 0.17        |
| Vinyl chloride                | ND            | 1.0                | ug/L        | 0.22        |
| Xylenes (total)               | ND            | 1.0                | ug/L        | 0.28        |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 96                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 95                  | (61 - 128)         |
| Toluene-d8            | 95                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 94                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-012

GC/MS Volatiles

Lot-Sample #....: A7L060288-012 Work Order #....: KDLL41AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-012

GC Volatiles

Lot-Sample #....: A7L060288-012    Work Order #....: KDLL41AC    Matrix.....: WG  
Date Sampled....: 12/05/07 09:15    Date Received...: 12/06/07  
Prep Date.....: 12/08/07    Analysis Date...: 12/08/07  
Prep Batch #....: 7344082  
Dilution Factor: 1    Method.....: SW846.8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 35 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 95                  | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: RW-120507-JH-013

GC/MS Volatiles

Lot-Sample #....: A7L060288-013 Work Order #....: KDLL81AA Matrix.....: WG  
 Date Sampled....: 12/05/07 09:40 Date Received...: 12/06/07  
 Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT        | REPORTING<br>LIMIT | UNITS       | MDL         |
|---------------------------|---------------|--------------------|-------------|-------------|
| Acetone                   | ND            | 10                 | ug/L        | 1.1         |
| Benzene                   | ND            | 1.0                | ug/L        | 0.13        |
| Bromodichloromethane      | ND            | 1.0                | ug/L        | 0.15        |
| Bromoform                 | ND            | 1.0                | ug/L        | 0.64        |
| Bromomethane              | ND            | 1.0                | ug/L        | 0.41        |
| 2-Butanone                | ND            | 10                 | ug/L        | 0.57        |
| Carbon disulfide          | ND            | 1.0                | ug/L        | 0.13        |
| Carbon tetrachloride      | ND            | 1.0                | ug/L        | 0.13        |
| Chlorobenzene             | ND            | 1.0                | ug/L        | 0.15        |
| Chloroethane              | ND            | 1.0                | ug/L        | 0.29        |
| <b>Chloroform</b>         | <b>0.27 J</b> | <b>1.0</b>         | <b>ug/L</b> | <b>0.16</b> |
| Chloromethane             | ND            | 1.0                | ug/L        | 0.30        |
| Dibromochloromethane      | ND            | 1.0                | ug/L        | 0.18        |
| 1,1-Dichloroethane        | ND            | 1.0                | ug/L        | 0.15        |
| 1,2-Dichloroethane        | ND            | 1.0                | ug/L        | 0.22        |
| 1,1-Dichloroethene        | ND            | 1.0                | ug/L        | 0.19        |
| cis-1,2-Dichloroethene    | ND            | 0.50               | ug/L        | 0.17        |
| trans-1,2-Dichloroethene  | ND            | 0.50               | ug/L        | 0.19        |
| 1,2-Dichloropropane       | ND            | 1.0                | ug/L        | 0.18        |
| cis-1,3-Dichloropropene   | ND            | 1.0                | ug/L        | 0.14        |
| trans-1,3-Dichloropropene | ND            | 1.0                | ug/L        | 0.19        |
| Ethylbenzene              | ND            | 1.0                | ug/L        | 0.17        |
| 2-Hexanone                | ND            | 10                 | ug/L        | 0.41        |
| Methylene chloride        | ND            | 1.0                | ug/L        | 0.33        |
| 4-Methyl-2-pentanone      | ND            | 10                 | ug/L        | 0.32        |
| Styrene                   | ND            | 1.0                | ug/L        | 0.11        |
| 1,1,2,2-Tetrachloroethane | ND            | 1.0                | ug/L        | 0.18        |
| Tetrachloroethene         | ND            | 1.0                | ug/L        | 0.29        |
| Toluene                   | ND            | 1.0                | ug/L        | 0.13        |
| 1,1,1-Trichloroethane     | ND            | 1.0                | ug/L        | 0.22        |
| 1,1,2-Trichloroethane     | ND            | 1.0                | ug/L        | 0.27        |
| Trichloroethene           | ND            | 1.0                | ug/L        | 0.17        |
| Vinyl chloride            | ND            | 1.0                | ug/L        | 0.22        |
| Xylenes (total)           | ND            | 1.0                | ug/L        | 0.28        |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 93                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 95                  | (61 - 128)         |
| Toluene-d8            | 95                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 95                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: RW-120507-JH-013

GC/MS Volatiles

Lot-Sample #....: A7L060288-013 Work Order #....: KDLL81AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: RW-120507-JH-013

GC Volatiles

Lot-Sample #....: A7L060288-013    Work Order #....: KDLL81AC    Matrix.....: WG  
Date Sampled....: 12/05/07 09:40    Date Received...: 12/06/07  
Prep Date.....: 12/08/07    Analysis Date...: 12/08/07  
Prep Batch #....: 7344082  
Dilution Factor: 1    Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------|--------------|------------|
| TPH (as Gasoline) | 31 J          | 100                        | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> |
|------------------|-----------------------------|----------------------------|
| Trifluorotoluene | 103                         | (10 - 150)                 |

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-014

GC/MS Volatiles

Lot-Sample #....: A7L060288-014 Work Order #....: KDLMD1AA Matrix.....: WG  
 Date Sampled....: 12/05/07 10:50 Date Received...: 12/06/07  
 Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1 Method.....: SW846.8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 95                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 98                  | (61 - 128)         |
| Toluene-d8            | 97                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 94                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-014

GC Volatiles

Lot-Sample #....: A7L060288-014 Work Order #....: KDLMD1AC Matrix.....: WG  
Date Sampled....: 12/05/07 10:50 Date Received...: 12/06/07  
Prep Date.....: 12/08/07 Analysis Date...: 12/08/07  
Prep Batch #....: 7344082  
Dilution Factor: 1 Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 32 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 101                 | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-015

GC/MS Volatiles

Lot-Sample #....: A7L060288-015    Work Order #....: KDLMF1AA    Matrix.....: WG  
 Date Sampled....: 12/05/07 11:10    Date Received...: 12/06/07  
 Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1    Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 95                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 97                  | (61 - 128)         |
| Toluene-d8            | 96                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 98                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-015

GC Volatiles

Lot-Sample #....: A7L060288-015 Work Order #....: KDLMF1AC Matrix.....: WG  
Date Sampled....: 12/05/07 11:10 Date Received...: 12/06/07  
Prep Date.....: 12/08/07 Analysis Date...: 12/08/07  
Prep Batch #....: 7344082  
Dilution Factor: 1 Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 30 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 95                  | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK-A

GC/MS Volatiles

Lot-Sample #....: A7L060288-016    Work Order #....: KDLMH1AA    Matrix.....: WQ  
 Date Sampled....: 12/04/07    Date Received...: 12/06/07  
 Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1    Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 96                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 98                  | (61 - 128)         |
| Toluene-d8            | 96                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 95                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-016

GC/MS Volatiles

Lot-Sample #....: A7L070423-001 Work Order #....: KDQPJ1AA Matrix.....: WG  
 Date Sampled....: 12/05/07 11:30 Date Received...: 12/07/07  
 Prep Date.....: 12/15/07 Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING |       |      |
|---------------------------|--------|-----------|-------|------|
|                           |        | LIMIT     | UNITS | MDL  |
| Acetone                   | ND     | 10        | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0       | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0       | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0       | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0       | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10        | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0       | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0       | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0       | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0       | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0       | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0       | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0       | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0       | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0       | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0       | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50      | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50      | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0       | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0       | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0       | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0       | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10        | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0       | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10        | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0       | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0       | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0       | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0       | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0       | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0       | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0       | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0       | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0       | ug/L  | 0.28 |

| SURROGATE             | PERCENT  | RECOVERY   |
|-----------------------|----------|------------|
|                       | RECOVERY | LIMITS     |
| Dibromofluoromethane  | 89       | (73 - 122) |
| 1,2-Dichloroethane-d4 | 92       | (61 - 128) |
| Toluene-d8            | 89       | (76 - 110) |
| 4-Bromofluorobenzene  | 84       | (74 - 116) |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-016

GC Volatiles

Lot-Sample #....: A7L070423-001    Work Order #....: KDQPJ1AC    Matrix.....: WG  
Date Sampled....: 12/05/07 11:30    Date Received...: 12/07/07  
Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
Prep Batch #....: 7346409  
Dilution Factor: 1    Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------------|--------------|------------|
| TPH (as Gasoline) | 33 J          | 100                              | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RECOVERY</u><br><u>LIMITS</u> |
|------------------|-----------------------------------|----------------------------------|
| Trifluorotoluene | 84                                | (10 - 150)                       |

**NOTE(S) :**

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-017

GC/MS Volatiles

Lot-Sample #....: A7L070423-002 Work Order #....: KDQPP1AA Matrix.....: WG  
 Date Sampled....: 12/05/07 13:05 Date Received...: 12/07/07  
 Prep Date.....: 12/15/07 Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 90                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 93                  | (61 - 128)         |
| Toluene-d8            | 91                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 86                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-017

GC Volatiles

Lot-Sample #....: A7L070423-002    Work Order #....: KDQPP1AC    Matrix.....: WG  
Date Sampled....: 12/05/07 13:05    Date Received...: 12/07/07  
Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
Prep Batch #....: 7346409  
Dilution Factor: 1    Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------|--------------|------------|
| TPH (as Gasoline) | 28 J          | 100                        | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> |
|------------------|-----------------------------|----------------------------|
| Trifluorotoluene | 85                          | (10 - 150)                 |

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-018

GC/MS Volatiles

Lot-Sample #....: A7L070423-003 Work Order #....: KDQPQ1AA Matrix.....: WG  
 Date Sampled....: 12/05/07 13:50 Date Received...: 12/07/07  
 Prep Date.....: 12/15/07 Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | 3.7    | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | 0.35 J | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | 0.75 J | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 91                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 91                  | (61 - 128)         |
| Toluene-d8            | 91                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 85                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-018

GC/MS Volatiles

Lot-Sample #....: A7L070423-003 Work Order #....: KDQPQ1AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-018

GC Volatiles

Lot-Sample #....: A7L070423-003    Work Order #....: KDQPQ1AC    Matrix.....: WG  
Date Sampled....: 12/05/07 13:50    Date Received...: 12/07/07  
Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
Prep Batch #....: 7346409  
Dilution Factor: 1    Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------------|--------------|------------|
| TPH (as Gasoline) | ND            | 100                              | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RECOVERY</u><br><u>LIMITS</u> |
|------------------|-----------------------------------|----------------------------------|
| Trifluorotoluene | 84                                | (10 - 150)                       |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-019

GC/MS Volatiles

Lot-Sample #....: A7L070423-004 Work Order #....: KDQPT1AA Matrix.....: WG  
 Date Sampled....: 12/05/07 14:20 Date Received...: 12/07/07  
 Prep Date.....: 12/15/07 Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | 0.22 J | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 90                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 91                  | (61 - 128)         |
| Toluene-d8            | 91                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 88                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-019

GC/MS Volatiles

Lot-Sample #...: A7L070423-004 Work Order #...: KDQPT1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-019

GC Volatiles

Lot-Sample #....: A7L070423-004 Work Order #....: KDQPT1AC Matrix.....: WG  
Date Sampled....: 12/05/07 14:20 Date Received...: 12/07/07  
Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
Prep Batch #....: 7346409  
Dilution Factor: 1 Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------------|--------------|------------|
| TPH (as Gasoline) | ND            | 100                              | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RECOVERY</u><br><u>LIMITS</u> |
|------------------|-----------------------------------|----------------------------------|
| Trifluorotoluene | 86                                | (10 - 150)                       |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-020

GC/MS Volatiles

Lot-Sample #....: A7L070423-005 Work Order #....: KDQPV1AA Matrix.....: WG  
 Date Sampled....: 12/05/07 14:50 Date Received...: 12/07/07  
 Prep Date.....: 12/15/07 Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 90                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 92                  | (61 - 128)         |
| Toluene-d8            | 90                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 87                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-020

GC Volatiles

Lot-Sample #....: A7L070423-005 Work Order #....: KDQPV1AC Matrix.....: WG  
Date Sampled....: 12/05/07 14:50 Date Received...: 12/07/07  
Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
Prep Batch #....: 7346409  
Dilution Factor: 1 Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 31 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 85                  | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-021

GC/MS Volatiles

Lot-Sample #....: A7L070423-006 Work Order #....: KDQPX1AA Matrix.....: WG  
 Date Sampled....: 12/05/07 15:05 Date Received...: 12/07/07  
 Prep Date.....: 12/15/07 Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                     | RESULT        | REPORTING<br>LIMIT | UNITS       | MDL         |
|-------------------------------|---------------|--------------------|-------------|-------------|
| Acetone                       | ND            | 10                 | ug/L        | 1.1         |
| Benzene                       | ND            | 1.0                | ug/L        | 0.13        |
| Bromodichloromethane          | ND            | 1.0                | ug/L        | 0.15        |
| Bromoform                     | ND            | 1.0                | ug/L        | 0.64        |
| Bromomethane                  | ND            | 1.0                | ug/L        | 0.41        |
| 2-Butanone                    | ND            | 10                 | ug/L        | 0.57        |
| Carbon disulfide              | ND            | 1.0                | ug/L        | 0.13        |
| Carbon tetrachloride          | ND            | 1.0                | ug/L        | 0.13        |
| Chlorobenzene                 | ND            | 1.0                | ug/L        | 0.15        |
| Chloroethane                  | ND            | 1.0                | ug/L        | 0.29        |
| Chloroform                    | ND            | 1.0                | ug/L        | 0.16        |
| Chloromethane                 | ND            | 1.0                | ug/L        | 0.30        |
| Dibromochloromethane          | ND            | 1.0                | ug/L        | 0.18        |
| 1,1-Dichloroethane            | ND            | 1.0                | ug/L        | 0.15        |
| 1,2-Dichloroethane            | ND            | 1.0                | ug/L        | 0.22        |
| 1,1-Dichloroethene            | ND            | 1.0                | ug/L        | 0.19        |
| <b>cis-1,2-Dichloroethene</b> | <b>6.4</b>    | <b>0.50</b>        | <b>ug/L</b> | <b>0.17</b> |
| trans-1,2-Dichloroethene      | ND            | 0.50               | ug/L        | 0.19        |
| 1,2-Dichloropropane           | ND            | 1.0                | ug/L        | 0.18        |
| cis-1,3-Dichloropropene       | ND            | 1.0                | ug/L        | 0.14        |
| trans-1,3-Dichloropropene     | ND            | 1.0                | ug/L        | 0.19        |
| Ethylbenzene                  | ND            | 1.0                | ug/L        | 0.17        |
| 2-Hexanone                    | ND            | 10                 | ug/L        | 0.41        |
| Methylene chloride            | ND            | 1.0                | ug/L        | 0.33        |
| 4-Methyl-2-pentanone          | ND            | 10                 | ug/L        | 0.32        |
| Styrene                       | ND            | 1.0                | ug/L        | 0.11        |
| 1,1,2,2-Tetrachloroethane     | ND            | 1.0                | ug/L        | 0.18        |
| Tetrachloroethene             | ND            | 1.0                | ug/L        | 0.29        |
| <b>Toluene</b>                | <b>0.26 J</b> | <b>1.0</b>         | <b>ug/L</b> | <b>0.13</b> |
| 1,1,1-Trichloroethane         | ND            | 1.0                | ug/L        | 0.22        |
| 1,1,2-Trichloroethane         | ND            | 1.0                | ug/L        | 0.27        |
| Trichloroethene               | ND            | 1.0                | ug/L        | 0.17        |
| <b>Vinyl chloride</b>         | <b>1.0</b>    | <b>1.0</b>         | <b>ug/L</b> | <b>0.22</b> |
| Xylenes (total)               | ND            | 1.0                | ug/L        | 0.28        |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 88                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 91                  | (61 - 128)         |
| Toluene-d8            | 91                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 89                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-021

GC/MS Volatiles

Lot-Sample #....: A7L070423-006 Work Order #....: KDQPX1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-021

GC Volatiles

Lot-Sample #....: A7L070423-006 Work Order #....: KDQPX1AC Matrix.....: WG  
Date Sampled....: 12/05/07 15:05 Date Received...: 12/07/07  
Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
Prep Batch #....: 7346409  
Dilution Factor: 1 Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 31 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 83                  | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: RW-120507-JH-022

GC/MS Volatiles

Lot-Sample #....: A7L070423-007 Work Order #....: KDQP11AA Matrix.....: WG  
 Date Sampled....: 12/05/07 15:20 Date Received...: 12/07/07  
 Prep Date.....: 12/15/07 Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | 5.6 J  | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 92                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 96                  | (61 - 128)         |
| Toluene-d8            | 90                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 88                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: RW-120507-JH-022

GC/MS Volatiles

Lot-Sample #....: A7L070423-007 Work Order #....: KDQP11AA Matrix.....: WG

**NOTE (S) :**

J Estimated result. Result is less than RL.

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: RW-120507-JH-022

GC Volatiles

Lot-Sample #....: A7L070423-007    Work Order #....: KDQP11AC    Matrix.....: WG  
Date Sampled....: 12/05/07 15:20    Date Received...: 12/07/07  
Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
Prep Batch #....: 7346409  
Dilution Factor: 1    Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 33 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 84                  | (10 - 150)         |

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-023

GC/MS Volatiles

Lot-Sample #....: A7L070423-008 Work Order #....: KDQP21AA Matrix.....: WG  
 Date Sampled....: 12/05/07 16:05 Date Received...: 12/07/07  
 Prep Date.....: 12/15/07 Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                     | RESULT     | REPORTING<br>LIMIT | UNITS       | MDL         |
|-------------------------------|------------|--------------------|-------------|-------------|
| Acetone                       | ND         | 10                 | ug/L        | 1.1         |
| Benzene                       | ND         | 1.0                | ug/L        | 0.13        |
| Bromodichloromethane          | ND         | 1.0                | ug/L        | 0.15        |
| Bromoform                     | ND         | 1.0                | ug/L        | 0.64        |
| Bromomethane                  | ND         | 1.0                | ug/L        | 0.41        |
| 2-Butanone                    | ND         | 10                 | ug/L        | 0.57        |
| Carbon disulfide              | ND         | 1.0                | ug/L        | 0.13        |
| Carbon tetrachloride          | ND         | 1.0                | ug/L        | 0.13        |
| Chlorobenzene                 | ND         | 1.0                | ug/L        | 0.15        |
| Chloroethane                  | ND         | 1.0                | ug/L        | 0.29        |
| Chloroform                    | ND         | 1.0                | ug/L        | 0.16        |
| Chloromethane                 | ND         | 1.0                | ug/L        | 0.30        |
| Dibromochloromethane          | ND         | 1.0                | ug/L        | 0.18        |
| 1,1-Dichloroethane            | ND         | 1.0                | ug/L        | 0.15        |
| 1,2-Dichloroethane            | ND         | 1.0                | ug/L        | 0.22        |
| 1,1-Dichloroethene            | ND         | 1.0                | ug/L        | 0.19        |
| <b>cis-1,2-Dichloroethene</b> | <b>1.9</b> | <b>0.50</b>        | <b>ug/L</b> | <b>0.17</b> |
| trans-1,2-Dichloroethene      | ND         | 0.50               | ug/L        | 0.19        |
| 1,2-Dichloropropane           | ND         | 1.0                | ug/L        | 0.18        |
| cis-1,3-Dichloropropene       | ND         | 1.0                | ug/L        | 0.14        |
| trans-1,3-Dichloropropene     | ND         | 1.0                | ug/L        | 0.19        |
| Ethylbenzene                  | ND         | 1.0                | ug/L        | 0.17        |
| 2-Hexanone                    | ND         | 10                 | ug/L        | 0.41        |
| Methylene chloride            | ND         | 1.0                | ug/L        | 0.33        |
| 4-Methyl-2-pentanone          | ND         | 10                 | ug/L        | 0.32        |
| Styrene                       | ND         | 1.0                | ug/L        | 0.11        |
| 1,1,2,2-Tetrachloroethane     | ND         | 1.0                | ug/L        | 0.18        |
| <b>Tetrachloroethene</b>      | <b>9.6</b> | <b>1.0</b>         | <b>ug/L</b> | <b>0.29</b> |
| Toluene                       | ND         | 1.0                | ug/L        | 0.13        |
| 1,1,1-Trichloroethane         | ND         | 1.0                | ug/L        | 0.22        |
| 1,1,2-Trichloroethane         | ND         | 1.0                | ug/L        | 0.27        |
| <b>Trichloroethene</b>        | <b>1.4</b> | <b>1.0</b>         | <b>ug/L</b> | <b>0.17</b> |
| Vinyl chloride                | ND         | 1.0                | ug/L        | 0.22        |
| Xylenes (total)               | ND         | 1.0                | ug/L        | 0.28        |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 89                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 93                  | (61 - 128)         |
| Toluene-d8            | 92                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 88                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-023

GC Volatiles

Lot-Sample #....: A7L070423-008    Work Order #....: KDQP21AC    Matrix.....: WG  
Date Sampled....: 12/05/07 16:05    Date Received...: 12/07/07  
Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
Prep Batch #....: 7346409  
Dilution Factor: 1    Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 33 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 85                  | (10 - 150)         |

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-024

GC/MS Volatiles

Lot-Sample #....: A7L070423-009 Work Order #....: KDQP41AA Matrix.....: WG  
 Date Sampled....: 12/05/07 16:45 Date Received...: 12/07/07  
 Prep Date.....: 12/15/07 Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 94                  | (61 - 128)         |
| Toluene-d8            | 91                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 88                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120507-JH-024

GC Volatiles

Lot-Sample #....: A7L070423-009    Work Order #....: KDQP41AC    Matrix.....: WG  
Date Sampled....: 12/05/07 16:45    Date Received...: 12/07/07  
Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
Prep Batch #....: 7346440  
Dilution Factor: 1    Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------|--------------|------------|
| TPH (as Gasoline) | ND            | 100                        | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> |
|------------------|-----------------------------|----------------------------|
| Trifluorotoluene | 98                          | (10 - 150)                 |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-025

GC/MS Volatiles

Lot-Sample #....: A7L070423-010 Work Order #....: KDQP61AA Matrix.....: WG  
 Date Sampled....: 12/06/07 09:15 Date Received...: 12/07/07  
 Prep Date.....: 12/15/07 Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 97                  | (61 - 128)         |
| Toluene-d8            | 92                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 89                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-025

GC Volatiles

Lot-Sample #....: A7L070423-010    Work Order #....: KDQP61AC    Matrix.....: WG  
Date Sampled....: 12/06/07 09:15    Date Received...: 12/07/07  
Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
Prep Batch #....: 7346440  
Dilution Factor: 1    Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 31 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 105                 | (10 - 150)         |

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-026

GC/MS Volatiles

Lot-Sample #....: A7L070423-011 Work Order #....: KDQQA1AA Matrix.....: WG  
 Date Sampled....: 12/06/07 09:30 Date Received...: 12/07/07  
 Prep Date.....: 12/15/07 Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 90                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 94                  | (61 - 128)         |
| Toluene-d8            | 89                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 88                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-026

GC Volatiles

Lot-Sample #...: A7L070423-011 Work Order #...: KDQQA1AC Matrix.....: WG  
Date Sampled...: 12/06/07 09:30 Date Received...: 12/07/07  
Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
Prep Batch #...: 7346440  
Dilution Factor: 1 Method.....: SW846.8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 33 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 99                  | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-027

GC/MS Volatiles

Lot-Sample #....: A7L070423-012 Work Order #....: KDQQC1AA Matrix.....: WG  
 Date Sampled....: 12/06/07 10:30 Date Received...: 12/07/07  
 Prep Date.....: 12/18/07 Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 105                 | (61 - 128)         |
| Toluene-d8            | 90                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 92                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-027

GC Volatiles

Lot-Sample #....: A7L070423-012    Work Order #....: KDQQC1AC    Matrix.....: WG  
Date Sampled....: 12/06/07 10:30    Date Received...: 12/07/07  
Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
Prep Batch #....: 7346440  
Dilution Factor: 1    Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------------|--------------|------------|
| TPH (as Gasoline) | ND            | 100                              | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RECOVERY</u><br><u>LIMITS</u> |
|------------------|-----------------------------------|----------------------------------|
| Trifluorotoluene | 99                                | (10 - 150)                       |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-028

GC/MS Volatiles

Lot-Sample #....: A7L070423-013 Work Order #....: KDQOE1AA Matrix.....: WG  
 Date Sampled....: 12/06/07 10:45 Date Received...: 12/07/07  
 Prep Date.....: 12/18/07 Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 105                 | (61 - 128)         |
| Toluene-d8            | 90                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 89                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-028

GC Volatiles

Lot-Sample #...: A7L070423-013 Work Order #...: KDQQE1AC Matrix.....: WG  
Date Sampled...: 12/06/07 10:45 Date Received...: 12/07/07  
Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
Prep Batch #...: 7346440  
Dilution Factor: 1 Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 30 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 103                 | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-029

GC/MS Volatiles

Lot-Sample #....: A7L070423-014 Work Order #....: KDQQG1AA Matrix.....: WG  
 Date Sampled....: 12/06/07 11:15 Date Received...: 12/07/07  
 Prep Date.....: 12/18/07 Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                     | RESULT        | REPORTING<br>LIMIT | UNITS       | MDL         |
|-------------------------------|---------------|--------------------|-------------|-------------|
| Acetone                       | ND            | 10                 | ug/L        | 1.1         |
| Benzene                       | ND            | 1.0                | ug/L        | 0.13        |
| Bromodichloromethane          | ND            | 1.0                | ug/L        | 0.15        |
| Bromoform                     | ND            | 1.0                | ug/L        | 0.64        |
| Bromomethane                  | ND            | 1.0                | ug/L        | 0.41        |
| 2-Butanone                    | ND            | 10                 | ug/L        | 0.57        |
| Carbon disulfide              | ND            | 1.0                | ug/L        | 0.13        |
| Carbon tetrachloride          | ND            | 1.0                | ug/L        | 0.13        |
| Chlorobenzene                 | ND            | 1.0                | ug/L        | 0.15        |
| Chloroethane                  | ND            | 1.0                | ug/L        | 0.29        |
| Chloroform                    | ND            | 1.0                | ug/L        | 0.16        |
| Chloromethane                 | ND            | 1.0                | ug/L        | 0.30        |
| Dibromochloromethane          | ND            | 1.0                | ug/L        | 0.18        |
| 1,1-Dichloroethane            | ND            | 1.0                | ug/L        | 0.15        |
| 1,2-Dichloroethane            | ND            | 1.0                | ug/L        | 0.22        |
| 1,1-Dichloroethene            | ND            | 1.0                | ug/L        | 0.19        |
| <b>cis-1,2-Dichloroethene</b> | <b>0.36 J</b> | <b>0.50</b>        | <b>ug/L</b> | <b>0.17</b> |
| trans-1,2-Dichloroethene      | ND            | 0.50               | ug/L        | 0.19        |
| 1,2-Dichloropropane           | ND            | 1.0                | ug/L        | 0.18        |
| cis-1,3-Dichloropropene       | ND            | 1.0                | ug/L        | 0.14        |
| trans-1,3-Dichloropropene     | ND            | 1.0                | ug/L        | 0.19        |
| Ethylbenzene                  | ND            | 1.0                | ug/L        | 0.17        |
| 2-Hexanone                    | ND            | 10                 | ug/L        | 0.41        |
| Methylene chloride            | ND            | 1.0                | ug/L        | 0.33        |
| 4-Methyl-2-pentanone          | ND            | 10                 | ug/L        | 0.32        |
| Styrene                       | ND            | 1.0                | ug/L        | 0.11        |
| 1,1,2,2-Tetrachloroethane     | ND            | 1.0                | ug/L        | 0.18        |
| Tetrachloroethene             | ND            | 1.0                | ug/L        | 0.29        |
| Toluene                       | ND            | 1.0                | ug/L        | 0.13        |
| 1,1,1-Trichloroethane         | ND            | 1.0                | ug/L        | 0.22        |
| 1,1,2-Trichloroethane         | ND            | 1.0                | ug/L        | 0.27        |
| Trichloroethene               | ND            | 1.0                | ug/L        | 0.17        |
| Vinyl chloride                | ND            | 1.0                | ug/L        | 0.22        |
| Xylenes (total)               | ND            | 1.0                | ug/L        | 0.28        |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 96                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 105                 | (61 - 128)         |
| Toluene-d8            | 89                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 90                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-029

GC/MS Volatiles

Lot-Sample #....: A7L070423-014 Work Order #....: KDQQG1AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-029

GC Volatiles

Lot-Sample #....: A7L070423-014 Work Order #....: KDQQG1AC Matrix.....: WG  
Date Sampled....: 12/06/07 11:15 Date Received...: 12/07/07  
Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
Prep Batch #....: 7346440  
Dilution Factor: 1 Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------|--------------|------------|
| TPH (as Gasoline) | ND            | 100                        | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> |
|------------------|-----------------------------|----------------------------|
| Trifluorotoluene | 96                          | (10 - 150)                 |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-030

GC/MS Volatiles

Lot-Sample #....: A7L070423-015 Work Order #....: KDQQH1AA Matrix.....: WG  
 Date Sampled....: 12/06/07 12:00 Date Received...: 12/07/07  
 Prep Date.....: 12/18/07 Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 5000 Method.....: SW846 8260B

| PARAMETER                   | RESULT        | REPORTING<br>LIMIT | UNITS       | MDL         |
|-----------------------------|---------------|--------------------|-------------|-------------|
| Acetone                     | ND            | 50000              | ug/L        | 5500        |
| Benzene                     | ND            | 5000               | ug/L        | 650         |
| Bromodichloromethane        | ND            | 5000               | ug/L        | 750         |
| Bromoform                   | ND            | 5000               | ug/L        | 3200        |
| Bromomethane                | ND            | 5000               | ug/L        | 2000        |
| 2-Butanone                  | ND            | 50000              | ug/L        | 2800        |
| Carbon disulfide            | ND            | 5000               | ug/L        | 650         |
| Carbon tetrachloride        | ND            | 5000               | ug/L        | 650         |
| Chlorobenzene               | ND            | 5000               | ug/L        | 750         |
| Chloroethane                | ND            | 5000               | ug/L        | 1400        |
| Chloroform                  | ND            | 5000               | ug/L        | 800         |
| Chloromethane               | ND            | 5000               | ug/L        | 1500        |
| Dibromochloromethane        | ND            | 5000               | ug/L        | 900         |
| 1,1-Dichloroethane          | ND            | 5000               | ug/L        | 750         |
| 1,2-Dichloroethane          | ND            | 5000               | ug/L        | 1100        |
| 1,1-Dichloroethene          | ND            | 5000               | ug/L        | 950         |
| cis-1,2-Dichloroethene      | ND            | 2500               | ug/L        | 850         |
| trans-1,2-Dichloroethene    | ND            | 2500               | ug/L        | 950         |
| 1,2-Dichloropropane         | ND            | 5000               | ug/L        | 900         |
| cis-1,3-Dichloropropene     | ND            | 5000               | ug/L        | 700         |
| trans-1,3-Dichloropropene   | ND            | 5000               | ug/L        | 950         |
| <b>Ethylbenzene</b>         | <b>8000</b>   | <b>5000</b>        | <b>ug/L</b> | <b>850</b>  |
| 2-Hexanone                  | ND            | 50000              | ug/L        | 2000        |
| Methylene chloride          | ND            | 5000               | ug/L        | 1600        |
| <b>4-Methyl-2-pentanone</b> | <b>160000</b> | <b>50000</b>       | <b>ug/L</b> | <b>1600</b> |
| Styrene                     | ND            | 5000               | ug/L        | 550         |
| 1,1,2,2-Tetrachloroethane   | ND            | 5000               | ug/L        | 900         |
| Tetrachloroethene           | ND            | 5000               | ug/L        | 1400        |
| <b>Toluene</b>              | <b>150000</b> | <b>5000</b>        | <b>ug/L</b> | <b>650</b>  |
| 1,1,1-Trichloroethane       | ND            | 5000               | ug/L        | 1100        |
| 1,1,2-Trichloroethane       | ND            | 5000               | ug/L        | 1400        |
| Trichloroethene             | ND            | 5000               | ug/L        | 850         |
| Vinyl chloride              | ND            | 5000               | ug/L        | 1100        |
| <b>Xylenes (total)</b>      | <b>57000</b>  | <b>5000</b>        | <b>ug/L</b> | <b>1400</b> |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 95                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 106                 | (61 - 128)         |
| Toluene-d8            | 95                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 94                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-030

GC Volatiles

Lot-Sample #....: A7L070423-015    Work Order #....: KDQQH1AC    Matrix.....: WG  
Date Sampled....: 12/06/07 12:00    Date Received...: 12/07/07  
Prep Date.....: 12/11/07    Analysis Date...: 12/11/07  
Prep Batch #....: 7346440  
Dilution Factor: 1000    Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------|--------------|------------|
| TPH (as Gasoline) | 470000        | 100000                     | ug/L         | 28000      |

| <u>SURROGATE</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> |
|------------------|-----------------------------|----------------------------|
| Trifluorotoluene | 93                          | (10 - 150)                 |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-031

GC/MS Volatiles

Lot-Sample #....: A7L070423-016 Work Order #....: KDQQK1AA Matrix.....: WG  
 Date Sampled....: 12/06/07 12:30 Date Received...: 12/07/07  
 Prep Date.....: 12/18/07 Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 5000 Method.....: SW846.8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 50000              | ug/L  | 5500 |
| Benzene                   | ND     | 5000               | ug/L  | 650  |
| Bromodichloromethane      | ND     | 5000               | ug/L  | 750  |
| Bromoform                 | ND     | 5000               | ug/L  | 3200 |
| Bromomethane              | ND     | 5000               | ug/L  | 2000 |
| 2-Butanone                | ND     | 50000              | ug/L  | 2800 |
| Carbon disulfide          | ND     | 5000               | ug/L  | 650  |
| Carbon tetrachloride      | ND     | 5000               | ug/L  | 650  |
| Chlorobenzene             | ND     | 5000               | ug/L  | 750  |
| Chloroethane              | ND     | 5000               | ug/L  | 1400 |
| Chloroform                | ND     | 5000               | ug/L  | 800  |
| Chloromethane             | ND     | 5000               | ug/L  | 1500 |
| Dibromochloromethane      | ND     | 5000               | ug/L  | 900  |
| 1,1-Dichloroethane        | ND     | 5000               | ug/L  | 750  |
| 1,2-Dichloroethane        | ND     | 5000               | ug/L  | 1100 |
| 1,1-Dichloroethene        | ND     | 5000               | ug/L  | 950  |
| cis-1,2-Dichloroethene    | ND     | 2500               | ug/L  | 850  |
| trans-1,2-Dichloroethene  | ND     | 2500               | ug/L  | 950  |
| 1,2-Dichloropropane       | ND     | 5000               | ug/L  | 900  |
| cis-1,3-Dichloropropene   | ND     | 5000               | ug/L  | 700  |
| trans-1,3-Dichloropropene | ND     | 5000               | ug/L  | 950  |
| Ethylbenzene              | 7500   | 5000               | ug/L  | 850  |
| 2-Hexanone                | ND     | 50000              | ug/L  | 2000 |
| Methylene chloride        | ND     | 5000               | ug/L  | 1600 |
| 4-Methyl-2-pentanone      | 160000 | 50000              | ug/L  | 1600 |
| Styrene                   | ND     | 5000               | ug/L  | 550  |
| 1,1,2,2-Tetrachloroethane | ND     | 5000               | ug/L  | 900  |
| Tetrachloroethene         | ND     | 5000               | ug/L  | 1400 |
| Toluene                   | 140000 | 5000               | ug/L  | 650  |
| 1,1,1-Trichloroethane     | ND     | 5000               | ug/L  | 1100 |
| 1,1,2-Trichloroethane     | ND     | 5000               | ug/L  | 1400 |
| Trichloroethene           | ND     | 5000               | ug/L  | 850  |
| Vinyl chloride            | ND     | 5000               | ug/L  | 1100 |
| Xylenes (total)           | 56000  | 5000               | ug/L  | 1400 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 104                 | (61 - 128)         |
| Toluene-d8            | 93                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 96                  | (74 - 116)         |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-031

GC Volatiles

Lot-Sample #...: A7L070423-016 Work Order #...: KDQOK1AC Matrix.....: WG  
Date Sampled...: 12/06/07 12:30 Date Received...: 12/07/07  
Prep Date.....: 12/11/07 Analysis Date...: 12/11/07  
Prep Batch #...: 7346440  
Dilution Factor: 1000 Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------|--------------|------------|
| TPH (as Gasoline) | 540000        | 100000                     | ug/L         | 28000      |

| <u>SURROGATE</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> |
|------------------|-----------------------------|----------------------------|
| Trifluorotoluene | 99                          | (10 - 150)                 |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-032

GC/MS Volatiles

Lot-Sample #....: A7L070423-017 Work Order #....: KDQQM1AA Matrix.....: WG  
 Date Sampled....: 12/06/07 13:40 Date Received...: 12/07/07  
 Prep Date.....: 12/18/07 Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | 0.48 J | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | 0.47 J | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 97                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 106                 | (61 - 128)         |
| Toluene-d8            | 90                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 93                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-032

GC/MS Volatiles

Lot-Sample #....: A7L070423-017 Work Order #....: KDQQM1AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-032

GC Volatiles

Lot-Sample #...: A7L070423-017 Work Order #...: KDQOM1AC Matrix.....: WG  
Date Sampled...: 12/06/07 13:40 Date Received...: 12/07/07  
Prep Date.....: 12/11/07 Analysis Date...: 12/11/07  
Prep Batch #...: 7346440  
Dilution Factor: 1 Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 50 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 94                  | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-033

GC/MS Volatiles

Lot-Sample #....: A7L070423-018 Work Order #....: KDQON1AA Matrix.....: WG  
 Date Sampled....: 12/06/07 14:20 Date Received...: 12/07/07  
 Prep Date.....: 12/18/07 Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | 20     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | 1.5    | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | 0.29 J | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 93                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 102                 | (61 - 128)         |
| Toluene-d8            | 88                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 89                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-033

GC/MS Volatiles

Lot-Sample #....: A7L070423-018 Work Order #....: KDQQN1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-033

GC Volatiles

Lot-Sample #....: A7L070423-018    Work Order #....: KDQQN1AC    Matrix.....: WG  
Date Sampled....: 12/06/07 14:20    Date Received...: 12/07/07  
Prep Date.....: 12/11/07    Analysis Date...: 12/11/07  
Prep Batch #....: 7346440  
Dilution Factor: 1    Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------|--------------|------------|
| TPH (as Gasoline) | 56 J          | 100                        | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> |
|------------------|-----------------------------|----------------------------|
| Trifluorotoluene | 95                          | (10 - 150)                 |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: RW-120607-JH-034

GC/MS Volatiles

Lot-Sample #....: A7L070423-019 Work Order #....: KDQQP1AA Matrix.....: WG  
 Date Sampled....: 12/06/07 14:30 Date Received...: 12/07/07  
 Prep Date.....: 12/18/07 Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT        | REPORTING<br>LIMIT | UNITS       | MDL         |
|---------------------------|---------------|--------------------|-------------|-------------|
| Acetone                   | ND            | 10                 | ug/L        | 1.1         |
| Benzene                   | ND            | 1.0                | ug/L        | 0.13        |
| Bromodichloromethane      | ND            | 1.0                | ug/L        | 0.15        |
| Bromoform                 | ND            | 1.0                | ug/L        | 0.64        |
| Bromomethane              | ND            | 1.0                | ug/L        | 0.41        |
| 2-Butanone                | ND            | 10                 | ug/L        | 0.57        |
| Carbon disulfide          | ND            | 1.0                | ug/L        | 0.13        |
| Carbon tetrachloride      | ND            | 1.0                | ug/L        | 0.13        |
| Chlorobenzene             | ND            | 1.0                | ug/L        | 0.15        |
| Chloroethane              | ND            | 1.0                | ug/L        | 0.29        |
| <b>Chloroform</b>         | <b>0.55 J</b> | <b>1.0</b>         | <b>ug/L</b> | <b>0.16</b> |
| Chloromethane             | ND            | 1.0                | ug/L        | 0.30        |
| Dibromochloromethane      | ND            | 1.0                | ug/L        | 0.18        |
| 1,1-Dichloroethane        | ND            | 1.0                | ug/L        | 0.15        |
| 1,2-Dichloroethane        | ND            | 1.0                | ug/L        | 0.22        |
| 1,1-Dichloroethene        | ND            | 1.0                | ug/L        | 0.19        |
| cis-1,2-Dichloroethene    | ND            | 0.50               | ug/L        | 0.17        |
| trans-1,2-Dichloroethene  | ND            | 0.50               | ug/L        | 0.19        |
| 1,2-Dichloropropane       | ND            | 1.0                | ug/L        | 0.18        |
| cis-1,3-Dichloropropene   | ND            | 1.0                | ug/L        | 0.14        |
| trans-1,3-Dichloropropene | ND            | 1.0                | ug/L        | 0.19        |
| Ethylbenzene              | ND            | 1.0                | ug/L        | 0.17        |
| 2-Hexanone                | ND            | 10                 | ug/L        | 0.41        |
| Methylene chloride        | ND            | 1.0                | ug/L        | 0.33        |
| 4-Methyl-2-pentanone      | ND            | 10                 | ug/L        | 0.32        |
| Styrene                   | ND            | 1.0                | ug/L        | 0.11        |
| 1,1,2,2-Tetrachloroethane | ND            | 1.0                | ug/L        | 0.18        |
| Tetrachloroethene         | ND            | 1.0                | ug/L        | 0.29        |
| Toluene                   | ND            | 1.0                | ug/L        | 0.13        |
| 1,1,1-Trichloroethane     | ND            | 1.0                | ug/L        | 0.22        |
| 1,1,2-Trichloroethane     | ND            | 1.0                | ug/L        | 0.27        |
| Trichloroethene           | ND            | 1.0                | ug/L        | 0.17        |
| Vinyl chloride            | ND            | 1.0                | ug/L        | 0.22        |
| Xylenes (total)           | ND            | 1.0                | ug/L        | 0.28        |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 95                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 107                 | (61 - 128)         |
| Toluene-d8            | 90                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 89                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: RW-120607-JH-034

GC/MS Volatiles

Lot-Sample #...: A7L070423-019 Work Order #...: KDQQP1AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

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Conestoga-Rovers & Associates, Inc.

Client Sample ID: RW-120607-JH-034

GC Volatiles

Lot-Sample #....: A7L070423-019 Work Order #....: KDQQP1AC Matrix.....: WG  
Date Sampled....: 12/06/07 14:30 Date Received...: 12/07/07  
Prep Date.....: 12/11/07 Analysis Date...: 12/11/07  
Prep Batch #....: 7346440  
Dilution Factor: 1 Method.....: SW846.8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 45 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 96                  | (10 - 150)         |

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-035

GC/MS Volatiles

Lot-Sample #....: A7L070423-020 Work Order #....: KDQQR1AA Matrix.....: WG  
 Date Sampled....: 12/06/07 15:10 Date Received...: 12/07/07  
 Prep Date.....: 12/18/07 Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 3.33 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 33                 | ug/L  | 3.7  |
| Benzene                   | ND     | 3.3                | ug/L  | 0.43 |
| Bromodichloromethane      | ND     | 3.3                | ug/L  | 0.50 |
| Bromoform                 | ND     | 3.3                | ug/L  | 2.1  |
| Bromomethane              | ND     | 3.3                | ug/L  | 1.4  |
| 2-Butanone                | ND     | 33                 | ug/L  | 1.9  |
| Carbon disulfide          | ND     | 3.3                | ug/L  | 0.43 |
| Carbon tetrachloride      | ND     | 3.3                | ug/L  | 0.43 |
| Chlorobenzene             | ND     | 3.3                | ug/L  | 0.50 |
| Chloroethane              | ND     | 3.3                | ug/L  | 0.97 |
| Chloroform                | ND     | 3.3                | ug/L  | 0.53 |
| Chloromethane             | ND     | 3.3                | ug/L  | 1.0  |
| Dibromochloromethane      | ND     | 3.3                | ug/L  | 0.60 |
| 1,1-Dichloroethane        | ND     | 3.3                | ug/L  | 0.50 |
| 1,2-Dichloroethane        | ND     | 3.3                | ug/L  | 0.73 |
| 1,1-Dichloroethene        | ND     | 3.3                | ug/L  | 0.63 |
| cis-1,2-Dichloroethene    | 88     | 1.7                | ug/L  | 0.57 |
| trans-1,2-Dichloroethene  | 6.2    | 1.7                | ug/L  | 0.63 |
| 1,2-Dichloropropane       | ND     | 3.3                | ug/L  | 0.60 |
| cis-1,3-Dichloropropene   | ND     | 3.3                | ug/L  | 0.47 |
| trans-1,3-Dichloropropene | ND     | 3.3                | ug/L  | 0.63 |
| Ethylbenzene              | ND     | 3.3                | ug/L  | 0.57 |
| 2-Hexanone                | ND     | 33                 | ug/L  | 1.4  |
| Methylene chloride        | 1.7 J  | 3.3                | ug/L  | 1.1  |
| 4-Methyl-2-pentanone      | ND     | 33                 | ug/L  | 1.1  |
| Styrene                   | ND     | 3.3                | ug/L  | 0.37 |
| 1,1,2,2-Tetrachloroethane | ND     | 3.3                | ug/L  | 0.60 |
| Tetrachloroethene         | ND     | 3.3                | ug/L  | 0.97 |
| Toluene                   | ND     | 3.3                | ug/L  | 0.43 |
| 1,1,1-Trichloroethane     | ND     | 3.3                | ug/L  | 0.73 |
| 1,1,2-Trichloroethane     | ND     | 3.3                | ug/L  | 0.90 |
| Trichloroethene           | ND     | 3.3                | ug/L  | 0.57 |
| Vinyl chloride            | 7.0    | 3.3                | ug/L  | 0.73 |
| Xylenes (total)           | ND     | 3.3                | ug/L  | 0.93 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 93                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 103                 | (61 - 128)         |
| Toluene-d8            | 94                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 87                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-035

GC/MS Volatiles

Lot-Sample #....: A7L070423-020 Work Order #....: KDQQR1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-035

GC Volatiles

Lot-Sample #....: A7L070423-020 Work Order #....: KDQQR1AC Matrix.....: WG  
Date Sampled....: 12/06/07 15:10 Date Received...: 12/07/07  
Prep Date.....: 12/11/07 Analysis Date...: 12/11/07  
Prep Batch #....: 7346440  
Dilution Factor: 1 Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------------|--------------|------------|
| TPH (as Gasoline) | 130           | 100                              | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RECOVERY</u><br><u>LIMITS</u> |
|------------------|-----------------------------------|----------------------------------|
| Trifluorotoluene | 98                                | (10 - 150)                       |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-036

GC/MS Volatiles

Lot-Sample #....: A7L070423-021 Work Order #....: KDQQT1AA Matrix.....: WG  
 Date Sampled....: 12/06/07 15:30 Date Received...: 12/07/07  
 Prep Date.....: 12/18/07 Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 3.33 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 33                 | ug/L  | 3.7  |
| Benzene                   | ND     | 3.3                | ug/L  | 0.43 |
| Bromodichloromethane      | ND     | 3.3                | ug/L  | 0.50 |
| Bromoform                 | ND     | 3.3                | ug/L  | 2.1  |
| Bromomethane              | ND     | 3.3                | ug/L  | 1.4  |
| 2-Butanone                | ND     | 33                 | ug/L  | 1.9  |
| Carbon disulfide          | ND     | 3.3                | ug/L  | 0.43 |
| Carbon tetrachloride      | ND     | 3.3                | ug/L  | 0.43 |
| Chlorobenzene             | ND     | 3.3                | ug/L  | 0.50 |
| Chloroethane              | ND     | 3.3                | ug/L  | 0.97 |
| Chloroform                | ND     | 3.3                | ug/L  | 0.53 |
| Chloromethane             | ND     | 3.3                | ug/L  | 1.0  |
| Dibromochloromethane      | ND     | 3.3                | ug/L  | 0.60 |
| 1,1-Dichloroethane        | ND     | 3.3                | ug/L  | 0.50 |
| 1,2-Dichloroethane        | ND     | 3.3                | ug/L  | 0.73 |
| 1,1-Dichloroethene        | ND     | 3.3                | ug/L  | 0.63 |
| cis-1,2-Dichloroethene    | 89     | 1.7                | ug/L  | 0.57 |
| trans-1,2-Dichloroethene  | 6.0    | 1.7                | ug/L  | 0.63 |
| 1,2-Dichloropropane       | ND     | 3.3                | ug/L  | 0.60 |
| cis-1,3-Dichloropropene   | ND     | 3.3                | ug/L  | 0.47 |
| trans-1,3-Dichloropropene | ND     | 3.3                | ug/L  | 0.63 |
| Ethylbenzene              | ND     | 3.3                | ug/L  | 0.57 |
| 2-Hexanone                | ND     | 33                 | ug/L  | 1.4  |
| Methylene chloride        | 2.8 J  | 3.3                | ug/L  | 1.1  |
| 4-Methyl-2-pentanone      | ND     | 33                 | ug/L  | 1.1  |
| Styrene                   | ND     | 3.3                | ug/L  | 0.37 |
| 1,1,2,2-Tetrachloroethane | ND     | 3.3                | ug/L  | 0.60 |
| Tetrachloroethene         | ND     | 3.3                | ug/L  | 0.97 |
| Toluene                   | ND     | 3.3                | ug/L  | 0.43 |
| 1,1,1-Trichloroethane     | ND     | 3.3                | ug/L  | 0.73 |
| 1,1,2-Trichloroethane     | ND     | 3.3                | ug/L  | 0.90 |
| Trichloroethene           | ND     | 3.3                | ug/L  | 0.57 |
| Vinyl chloride            | 6.7    | 3.3                | ug/L  | 0.73 |
| Xylenes (total)           | ND     | 3.3                | ug/L  | 0.93 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 95                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 103                 | (61 - 128)         |
| Toluene-d8            | 93                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 92                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-036

GC/MS Volatiles

Lot-Sample #...: A7L070423-021 Work Order #...: KDQQT1AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-036

GC Volatiles

Lot-Sample #...: A7L070423-021 Work Order #...: KDQQT1AC Matrix.....: WG  
Date Sampled...: 12/06/07 15:30 Date Received...: 12/07/07  
Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
Prep Batch #...: 7346440  
Dilution Factor: 1 Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------|--------------|------------|
| TPH (as Gasoline) | 120           | 100                        | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> |
|------------------|-----------------------------|----------------------------|
| Trifluorotoluene | 106                         | (10 - 150)                 |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-037

GC/MS Volatiles

Lot-Sample #....: A7L070423-022 Work Order #....: KDQQW1AA Matrix.....: WG  
 Date Sampled....: 12/06/07 15:55 Date Received...: 12/07/07  
 Prep Date.....: 12/18/07 Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | 0.33 J | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 106                 | (61 - 128)         |
| Toluene-d8            | 93                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 89                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-037

GC/MS Volatiles

Lot-Sample #....: A7L070423-022 Work Order #....: KDQQW1AA Matrix.....: WG

NOTE(S) :

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-037

GC Volatiles

Lot-Sample #....: A7L070423-022 Work Order #....: KDQQW1AC Matrix.....: WG  
Date Sampled...: 12/06/07 15:55 Date Received...: 12/07/07  
Prep Date.....: 12/12/07 Analysis Date...: 12/12/07  
Prep Batch #....: 7346440  
Dilution Factor: 1 Method.....: SW846 8015B

| PARAMETER         | RESULT | REPORTING<br>LIMIT | UNITS | MDL |
|-------------------|--------|--------------------|-------|-----|
| TPH (as Gasoline) | 29 J   | 100                | ug/L  | 28  |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 99                  | (10 - 150)         |

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-038

GC/MS Volatiles

Lot-Sample #....: A7L070423-023 Work Order #....: KDQQ01AA Matrix.....: WG  
 Date Sampled....: 12/06/07 16:30 Date Received...: 12/07/07  
 Prep Date.....: 12/18/07 Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 1 Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | ND     | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | 0.35 J | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 106                 | (61 - 128)         |
| Toluene-d8            | 91                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 91                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-038

GC/MS Volatiles

Lot-Sample #....: A7L070423-023 Work Order #....: KDQQ01AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-120607-JH-038

GC Volatiles

Lot-Sample #....: A7L070423-023    Work Order #....: KDQQ01AC    Matrix.....: WG  
Date Sampled....: 12/06/07 16:30    Date Received...: 12/07/07  
Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
Prep Batch #....: 7346440  
Dilution Factor: 1    Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------------|--------------|------------|
| TPH (as Gasoline) | ND            | 100                              | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RECOVERY</u><br><u>LIMITS</u> |
|------------------|-----------------------------------|----------------------------------|
| Trifluorotoluene | 100                               | (10 - 150)                       |

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK B COOLER 68187

GC/MS Volatiles

Lot-Sample #....: A7L070423-024    Work Order #....: KDQQ21AA    Matrix.....: WG  
 Date Sampled....: 12/06/07    Date Received...: 12/07/07  
 Prep Date.....: 12/18/07    Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 1    Method.....: SW846 8260B

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | MDL  |
|---------------------------|--------|--------------------|-------|------|
| Acetone                   | 1.9 J  | 10                 | ug/L  | 1.1  |
| Benzene                   | ND     | 1.0                | ug/L  | 0.13 |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | 0.15 |
| Bromoform                 | ND     | 1.0                | ug/L  | 0.64 |
| Bromomethane              | ND     | 1.0                | ug/L  | 0.41 |
| 2-Butanone                | ND     | 10                 | ug/L  | 0.57 |
| Carbon disulfide          | ND     | 1.0                | ug/L  | 0.13 |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | 0.13 |
| Chlorobenzene             | ND     | 1.0                | ug/L  | 0.15 |
| Chloroethane              | ND     | 1.0                | ug/L  | 0.29 |
| Chloroform                | ND     | 1.0                | ug/L  | 0.16 |
| Chloromethane             | ND     | 1.0                | ug/L  | 0.30 |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | 0.18 |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | 0.15 |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | 0.22 |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | 0.19 |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | 0.17 |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | 0.19 |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | 0.18 |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | 0.14 |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | 0.19 |
| Ethylbenzene              | ND     | 1.0                | ug/L  | 0.17 |
| 2-Hexanone                | ND     | 10                 | ug/L  | 0.41 |
| Methylene chloride        | ND     | 1.0                | ug/L  | 0.33 |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | 0.32 |
| Styrene                   | ND     | 1.0                | ug/L  | 0.11 |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | 0.18 |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | 0.29 |
| Toluene                   | ND     | 1.0                | ug/L  | 0.13 |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | 0.22 |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | 0.27 |
| Trichloroethene           | ND     | 1.0                | ug/L  | 0.17 |
| Vinyl chloride            | ND     | 1.0                | ug/L  | 0.22 |
| Xylenes (total)           | ND     | 1.0                | ug/L  | 0.28 |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 106                 | (61 - 128)         |
| Toluene-d8            | 89                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 91                  | (74 - 116)         |

(Continued on next page)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK B COOLER 68187

GC/MS Volatiles

Lot-Sample #....: A7L070423-024 Work Order #....: KDQQ21AA Matrix.....: WG

NOTE(S):

J Estimated result. Result is less than RL.

Conestoga-Rovers & Associates, Inc.

Client Sample ID: TRIP BLANK C COOLER 68182

GC Volatiles

Lot-Sample #....: A7L070423-025    Work Order #....: KDQRR1AA    Matrix.....: WG  
Date Sampled....: 12/06/07    Date Received...: 12/07/07  
Prep Date.....: 12/12/07    Analysis Date...: 12/12/07  
Prep Batch #....: 7346440  
Dilution Factor: 1    Method.....: SW846 8015B

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>MDL</u> |
|-------------------|---------------|----------------------------------|--------------|------------|
| TPH (as Gasoline) | ND            | 100                              | ug/L         | 28         |

| <u>SURROGATE</u> | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RECOVERY</u><br><u>LIMITS</u> |
|------------------|-----------------------------------|----------------------------------|
| Trifluorotoluene | 99                                | (10 - 150)                       |

# ***QUALITY CONTROL SECTION***

# METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288  
MB Lot-Sample #: A7L120000-476

Work Order #....: KD1PG1AA

Matrix.....: WATER

Analysis Date...: 12/11/07  
Dilution Factor: 1

Prep Date.....: 12/11/07

Prep Batch #....: 7346476

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | METHOD      |
|---------------------------|--------|--------------------|-------|-------------|
| Acetone                   | ND     | 10                 | ug/L  | SW846 8260B |
| Benzene                   | ND     | 1.0                | ug/L  | SW846 8260B |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | SW846 8260B |
| Bromoform                 | ND     | 1.0                | ug/L  | SW846 8260B |
| Bromomethane              | ND     | 1.0                | ug/L  | SW846 8260B |
| 2-Butanone                | ND     | 10                 | ug/L  | SW846 8260B |
| Carbon disulfide          | ND     | 1.0                | ug/L  | SW846 8260B |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | SW846 8260B |
| Chlorobenzene             | ND     | 1.0                | ug/L  | SW846 8260B |
| Chloroethane              | ND     | 1.0                | ug/L  | SW846 8260B |
| Chloroform                | ND     | 1.0                | ug/L  | SW846 8260B |
| Chloromethane             | ND     | 1.0                | ug/L  | SW846 8260B |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | SW846 8260B |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | SW846 8260B |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | SW846 8260B |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | SW846 8260B |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | SW846 8260B |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | SW846 8260B |
| Ethylbenzene              | ND     | 1.0                | ug/L  | SW846 8260B |
| 2-Hexanone                | ND     | 10                 | ug/L  | SW846 8260B |
| Methylene chloride        | 0.58 J | 1.0                | ug/L  | SW846 8260B |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | SW846 8260B |
| Styrene                   | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | SW846 8260B |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | SW846 8260B |
| Toluene                   | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | SW846 8260B |
| Trichloroethene           | ND     | 1.0                | ug/L  | SW846 8260B |
| Vinyl chloride            | ND     | 1.0                | ug/L  | SW846 8260B |
| Xylenes (total)           | ND     | 1.0                | ug/L  | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 96                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 96                  | (61 - 128)         |
| Toluene-d8            | 101                 | (76 - 110)         |
| 4-Bromofluorobenzene  | 96                  | (74 - 116)         |

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: 7L06288

Work Order #....: KD1PG1AA

Matrix.....: WATER

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

# METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288  
MB Lot-Sample #: A7L170000-272

Work Order #....: KEAMW1AA

Matrix.....: WATER

Analysis Date...: 12/15/07  
Dilution Factor: 1

Prep Date.....: 12/15/07

Prep Batch #....: 7351272

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | METHOD      |
|---------------------------|--------|--------------------|-------|-------------|
| Acetone                   | ND     | 10                 | ug/L  | SW846 8260B |
| Benzene                   | ND     | 1.0                | ug/L  | SW846 8260B |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | SW846 8260B |
| Bromoform                 | ND     | 1.0                | ug/L  | SW846 8260B |
| Bromomethane              | ND     | 1.0                | ug/L  | SW846 8260B |
| 2-Butanone                | ND     | 10                 | ug/L  | SW846 8260B |
| Carbon disulfide          | ND     | 1.0                | ug/L  | SW846 8260B |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | SW846 8260B |
| Chlorobenzene             | ND     | 1.0                | ug/L  | SW846 8260B |
| Chloroethane              | ND     | 1.0                | ug/L  | SW846 8260B |
| Chloroform                | ND     | 1.0                | ug/L  | SW846 8260B |
| Chloromethane             | ND     | 1.0                | ug/L  | SW846 8260B |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | SW846 8260B |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | SW846 8260B |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | SW846 8260B |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | SW846 8260B |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | SW846 8260B |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | SW846 8260B |
| Ethylbenzene              | ND     | 1.0                | ug/L  | SW846 8260B |
| 2-Hexanone                | ND     | 10                 | ug/L  | SW846 8260B |
| Methylene chloride        | ND     | 1.0                | ug/L  | SW846 8260B |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | SW846 8260B |
| Styrene                   | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | SW846 8260B |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | SW846 8260B |
| Toluene                   | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | SW846 8260B |
| Trichloroethene           | ND     | 1.0                | ug/L  | SW846 8260B |
| Vinyl chloride            | ND     | 1.0                | ug/L  | SW846 8260B |
| Xylenes (total)           | ND     | 1.0                | ug/L  | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 90                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 91                  | (61 - 128)         |
| Toluene-d8            | 91                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 88                  | (74 - 116)         |

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: 7L06288

Work Order #....: KEAMW1AA

Matrix.....: WATER

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

# METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288  
MB Lot-Sample #: A7L190000-354

Work Order #....: KEFNV1AA

Matrix.....: WATER

Analysis Date...: 12/18/07  
Dilution Factor: 1

Prep Date.....: 12/18/07  
Prep Batch #....: 7353354

| PARAMETER                 | RESULT | REPORTING<br>LIMIT | UNITS | METHOD      |
|---------------------------|--------|--------------------|-------|-------------|
| Acetone                   | ND     | 10                 | ug/L  | SW846 8260B |
| Benzene                   | ND     | 1.0                | ug/L  | SW846 8260B |
| Bromodichloromethane      | ND     | 1.0                | ug/L  | SW846 8260B |
| Bromoform                 | ND     | 1.0                | ug/L  | SW846 8260B |
| Bromomethane              | ND     | 1.0                | ug/L  | SW846 8260B |
| 2-Butanone                | ND     | 10                 | ug/L  | SW846 8260B |
| Carbon disulfide          | ND     | 1.0                | ug/L  | SW846 8260B |
| Carbon tetrachloride      | ND     | 1.0                | ug/L  | SW846 8260B |
| Chlorobenzene             | ND     | 1.0                | ug/L  | SW846 8260B |
| Chloroethane              | ND     | 1.0                | ug/L  | SW846 8260B |
| Chloroform                | ND     | 1.0                | ug/L  | SW846 8260B |
| Chloromethane             | ND     | 1.0                | ug/L  | SW846 8260B |
| Dibromochloromethane      | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1-Dichloroethane        | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,2-Dichloroethane        | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1-Dichloroethene        | ND     | 1.0                | ug/L  | SW846 8260B |
| cis-1,2-Dichloroethene    | ND     | 0.50               | ug/L  | SW846 8260B |
| trans-1,2-Dichloroethene  | ND     | 0.50               | ug/L  | SW846 8260B |
| 1,2-Dichloropropane       | ND     | 1.0                | ug/L  | SW846 8260B |
| cis-1,3-Dichloropropene   | ND     | 1.0                | ug/L  | SW846 8260B |
| trans-1,3-Dichloropropene | ND     | 1.0                | ug/L  | SW846 8260B |
| Ethylbenzene              | ND     | 1.0                | ug/L  | SW846 8260B |
| 2-Hexanone                | ND     | 10                 | ug/L  | SW846 8260B |
| Methylene chloride        | ND     | 1.0                | ug/L  | SW846 8260B |
| 4-Methyl-2-pentanone      | ND     | 10                 | ug/L  | SW846 8260B |
| Styrene                   | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND     | 1.0                | ug/L  | SW846 8260B |
| Tetrachloroethene         | ND     | 1.0                | ug/L  | SW846 8260B |
| Toluene                   | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1,1-Trichloroethane     | ND     | 1.0                | ug/L  | SW846 8260B |
| 1,1,2-Trichloroethane     | ND     | 1.0                | ug/L  | SW846 8260B |
| Trichloroethene           | ND     | 1.0                | ug/L  | SW846 8260B |
| Vinyl chloride            | ND     | 1.0                | ug/L  | SW846 8260B |
| Xylenes (total)           | ND     | 1.0                | ug/L  | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 102                 | (61 - 128)         |
| Toluene-d8            | 92                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 94                  | (74 - 116)         |

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: 7L06288

Work Order #....: KEFNV1AA

Matrix.....: WATER

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

# METHOD BLANK REPORT

## GC Volatiles

Client Lot #....: 7L06288  
MB Lot-Sample #: A7L100000-082

Work Order #....: KDR2K1AA

Matrix.....: WATER

Analysis Date...: 12/07/07  
Dilution Factor: 1

Prep Date.....: 12/07/07  
Prep Batch #....: 7344082

| PARAMETER         | RESULT              | REPORTING<br>LIMIT | UNITS | METHOD      |
|-------------------|---------------------|--------------------|-------|-------------|
| TPH (as Gasoline) | ND                  | 100                | ug/L  | SW846 8015B |
| SURROGATE         | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |       |             |
| Trifluorotoluene  | 95                  | (10 - 150)         |       |             |

### NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

# METHOD BLANK REPORT

## GC Volatiles

Client Lot #....: 7L06288      Work Order #....: KD09G1AA      Matrix.....: WATER  
 MB Lot-Sample #: A7L120000-409  
 Analysis Date...: 12/11/07      Prep Date.....: 12/11/07  
 Dilution Factor: 1      Prep Batch #....: 7346409

| <u>PARAMETER</u>  | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> |
|-------------------|---------------|----------------------------------|--------------|---------------|
| TPH (as Gasoline) | ND            | 100                              | ug/L         | SW846 8015B   |

| <u>SURROGATE</u> | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RECOVERY</u><br><u>LIMITS</u> |
|------------------|-----------------------------------|----------------------------------|
| Trifluorotoluene | 83                                | (10 - 150)                       |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

# METHOD BLANK REPORT

## GC Volatiles

Client Lot #....: 7L06288      Work Order #....: KD1HK1AA      Matrix.....: WATER  
 MB Lot-Sample #: A7L120000-440  
 Analysis Date...: 12/11/07      Prep Date.....: 12/11/07  
 Dilution Factor: 1      Prep Batch #....: 7346440

| PARAMETER         | RESULT              | REPORTING<br>LIMIT | UNITS | METHOD      |
|-------------------|---------------------|--------------------|-------|-------------|
| TPH (as Gasoline) | ND                  | 100                | ug/L  | SW846 8015B |
| SURROGATE         | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |       |             |
| Trifluorotoluene  | 97                  | (10 - 150)         |       |             |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288      Work Order #....: KD1PG1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7L120000-476      KD1PG1AD-LCSD  
 Prep Date.....: 12/11/07      Analysis Date...: 12/11/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1

| PARAMETER          | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS | RPD | RPD<br>LIMITS | METHOD      |
|--------------------|---------------------|--------------------|-----|---------------|-------------|
| Benzene            | 95                  | (80 - 116)         |     |               | SW846 8260B |
|                    | 98                  | (80 - 116)         | 3.2 | (0-20)        | SW846 8260B |
| Chlorobenzene      | 94                  | (76 - 117)         |     |               | SW846 8260B |
|                    | 101                 | (76 - 117)         | 7.6 | (0-20)        | SW846 8260B |
| 1,1-Dichloroethene | 85                  | (63 - 130)         |     |               | SW846 8260B |
|                    | 91                  | (63 - 130)         | 7.0 | (0-20)        | SW846 8260B |
| Toluene            | 104                 | (74 - 119)         |     |               | SW846 8260B |
|                    | 108                 | (74 - 119)         | 3.6 | (0-20)        | SW846 8260B |
| Trichloroethene    | 101                 | (75 - 122)         |     |               | SW846 8260B |
|                    | 103                 | (75 - 122)         | 1.7 | (0-20)        | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
|                       | 93                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 94                  | (61 - 128)         |
|                       | 97                  | (61 - 128)         |
| Toluene-d8            | 102                 | (76 - 110)         |
|                       | 104                 | (76 - 110)         |
| 4-Bromofluorobenzene  | 102                 | (74 - 116)         |
|                       | 101                 | (74 - 116)         |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE DATA REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288      Work Order #....: KD1PG1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7L120000-476      KD1PG1AD-LCSD  
 Prep Date.....: 12/11/07      Analysis Date...: 12/11/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1

| PARAMETER          | SPIKE<br>AMOUNT | MEASURED<br>AMOUNT | UNITS | PERCENT<br>RECOVERY | RPD | METHOD      |
|--------------------|-----------------|--------------------|-------|---------------------|-----|-------------|
| Benzene            | 10              | 9.5                | ug/L  | 95                  |     | SW846 8260B |
|                    | 10              | 9.8                | ug/L  | 98                  | 3.2 | SW846 8260B |
| Chlorobenzene      | 10              | 9.4                | ug/L  | 94                  |     | SW846 8260B |
|                    | 10              | 10                 | ug/L  | 101                 | 7.6 | SW846 8260B |
| 1,1-Dichloroethene | 10              | 8.5                | ug/L  | 85                  |     | SW846 8260B |
|                    | 10              | 9.1                | ug/L  | 91                  | 7.0 | SW846 8260B |
| Toluene            | 10              | 10                 | ug/L  | 104                 |     | SW846 8260B |
|                    | 10              | 11                 | ug/L  | 108                 | 3.6 | SW846 8260B |
| Trichloroethene    | 10              | 10                 | ug/L  | 101                 |     | SW846 8260B |
|                    | 10              | 10                 | ug/L  | 103                 | 1.7 | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
|                       | 93                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 94                  | (61 - 128)         |
|                       | 97                  | (61 - 128)         |
| Toluene-d8            | 102                 | (76 - 110)         |
|                       | 104                 | (76 - 110)         |
| 4-Bromofluorobenzene  | 102                 | (74 - 116)         |
|                       | 101                 | (74 - 116)         |

### NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288      Work Order #....: KEAMW1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7L170000-272      KEAMW1AD-LCSD  
 Prep Date.....: 12/15/07      Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1

| PARAMETER          | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS | RPD  | RPD<br>LIMITS | METHOD      |
|--------------------|---------------------|--------------------|------|---------------|-------------|
| Benzene            | 90                  | (80 - 116)         |      |               | SW846 8260B |
|                    | 92                  | (80 - 116)         | 2.5  | (0-20)        | SW846 8260B |
| Chlorobenzene      | 93                  | (76 - 117)         |      |               | SW846 8260B |
|                    | 94                  | (76 - 117)         | 1.6  | (0-20)        | SW846 8260B |
| 1,1-Dichloroethene | 86                  | (63 - 130)         |      |               | SW846 8260B |
|                    | 89                  | (63 - 130)         | 3.4  | (0-20)        | SW846 8260B |
| Toluene            | 94                  | (74 - 119)         |      |               | SW846 8260B |
|                    | 95                  | (74 - 119)         | 0.64 | (0-20)        | SW846 8260B |
| Trichloroethene    | 90                  | (75 - 122)         |      |               | SW846 8260B |
|                    | 90                  | (75 - 122)         | 0.14 | (0-20)        | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 89                  | (73 - 122)         |
|                       | 90                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 93                  | (61 - 128)         |
|                       | 89                  | (61 - 128)         |
| Toluene-d8            | 94                  | (76 - 110)         |
|                       | 94                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 92                  | (74 - 116)         |
|                       | 93                  | (74 - 116)         |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE DATA REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288      Work Order #....: KEAMW1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7L170000-272      KEAMW1AD-LCSD  
 Prep Date.....: 12/15/07      Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1

| PARAMETER          | SPIKE<br>AMOUNT | MEASURED<br>AMOUNT | UNITS | PERCENT<br>RECOVERY | RPD  | METHOD      |
|--------------------|-----------------|--------------------|-------|---------------------|------|-------------|
| Benzene            | 10              | 9.0                | ug/L  | 90                  |      | SW846 8260B |
|                    | 10              | 9.2                | ug/L  | 92                  | 2.5  | SW846 8260B |
| Chlorobenzene      | 10              | 9.3                | ug/L  | 93                  |      | SW846 8260B |
|                    | 10              | 9.4                | ug/L  | 94                  | 1.6  | SW846 8260B |
| 1,1-Dichloroethene | 10              | 8.6                | ug/L  | 86                  |      | SW846 8260B |
|                    | 10              | 8.9                | ug/L  | 89                  | 3.4  | SW846 8260B |
| Toluene            | 10              | 9.4                | ug/L  | 94                  |      | SW846 8260B |
|                    | 10              | 9.5                | ug/L  | 95                  | 0.64 | SW846 8260B |
| Trichloroethene    | 10              | 9.0                | ug/L  | 90                  |      | SW846 8260B |
|                    | 10              | 9.0                | ug/L  | 90                  | 0.14 | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 89                  | (73 - 122)         |
|                       | 90                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 93                  | (61 - 128)         |
|                       | 89                  | (61 - 128)         |
| Toluene-d8            | 94                  | (76 - 110)         |
|                       | 94                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 92                  | (74 - 116)         |
|                       | 93                  | (74 - 116)         |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288      Work Order #....: KEFNV1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7L190000-354      KEFNV1AD-LCSD  
 Prep Date.....: 12/18/07      Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 1

| PARAMETER          | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS | RPD  | RPD<br>LIMITS | METHOD      |
|--------------------|---------------------|--------------------|------|---------------|-------------|
| Benzene            | 100                 | (80 - 116)         |      |               | SW846 8260B |
|                    | 101                 | (80 - 116)         | 0.31 | (0-20)        | SW846 8260B |
| Chlorobenzene      | 100                 | (76 - 117)         |      |               | SW846 8260B |
|                    | 101                 | (76 - 117)         | 1.1  | (0-20)        | SW846 8260B |
| 1,1-Dichloroethene | 103                 | (63 - 130)         |      |               | SW846 8260B |
|                    | 103                 | (63 - 130)         | 0.21 | (0-20)        | SW846 8260B |
| Toluene            | 103                 | (74 - 119)         |      |               | SW846 8260B |
|                    | 104                 | (74 - 119)         | 0.75 | (0-20)        | SW846 8260B |
| Trichloroethene    | 95                  | (75 - 122)         |      |               | SW846 8260B |
|                    | 96                  | (75 - 122)         | 0.94 | (0-20)        | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 93                  | (73 - 122)         |
|                       | 91                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 106                 | (61 - 128)         |
|                       | 106                 | (61 - 128)         |
| Toluene-d8            | 94                  | (76 - 110)         |
|                       | 94                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 99                  | (74 - 116)         |
|                       | 98                  | (74 - 116)         |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE DATA REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288      Work Order #....: KEFNV1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7L190000-354      KEFNV1AD-LCSD  
 Prep Date.....: 12/18/07      Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 1

| PARAMETER          | SPIKE<br>AMOUNT | MEASURED<br>AMOUNT | UNITS | PERCENT<br>RECOVERY | RPD  | METHOD      |
|--------------------|-----------------|--------------------|-------|---------------------|------|-------------|
| Benzene            | 10              | 10                 | ug/L  | 100                 |      | SW846 8260B |
|                    | 10              | 10                 | ug/L  | 101                 | 0.31 | SW846 8260B |
| Chlorobenzene      | 10              | 10                 | ug/L  | 100                 |      | SW846 8260B |
|                    | 10              | 10                 | ug/L  | 101                 | 1.1  | SW846 8260B |
| 1,1-Dichloroethene | 10              | 10                 | ug/L  | 103                 |      | SW846 8260B |
|                    | 10              | 10                 | ug/L  | 103                 | 0.21 | SW846 8260B |
| Toluene            | 10              | 10                 | ug/L  | 103                 |      | SW846 8260B |
|                    | 10              | 10                 | ug/L  | 104                 | 0.75 | SW846 8260B |
| Trichloroethene    | 10              | 9.5                | ug/L  | 95                  |      | SW846 8260B |
|                    | 10              | 9.6                | ug/L  | 96                  | 0.94 | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 93                  | (73 - 122)         |
|                       | 91                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 106                 | (61 - 128)         |
|                       | 106                 | (61 - 128)         |
| Toluene-d8            | 94                  | (76 - 110)         |
|                       | 94                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 99                  | (74 - 116)         |
|                       | 98                  | (74 - 116)         |

### NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: 7L06288      Work Order #....: KDR2K1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7L100000-082      KDR2K1AD-LCSD  
 Prep Date.....: 12/07/07      Analysis Date...: 12/07/07  
 Prep Batch #....: 7344082  
 Dilution Factor: 1

| <u>PARAMETER</u>  | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> | <u>RPD</u> | <u>RPD<br/>LIMITS</u> | <u>METHOD</u> |
|-------------------|-----------------------------|----------------------------|------------|-----------------------|---------------|
| TPH (as Gasoline) | 118                         | (72 - 140)                 |            |                       | SW846 8015B   |
|                   | 118                         | (72 - 140)                 | 0.28       | (0-20)                | SW846 8015B   |

| <u>SURROGATE</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> |
|------------------|-----------------------------|----------------------------|
| Trifluorotoluene | 99                          | (10 - 150)                 |
|                  | 96                          | (10 - 150)                 |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE DATA REPORT

## GC Volatiles

Client Lot #....: 7L06288      Work Order #....: KDR2K1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7L100000-082      KDR2K1AD-LCSD  
 Prep Date.....: 12/07/07      Analysis Date...: 12/07/07  
 Prep Batch #....: 7344082  
 Dilution Factor: 1

| PARAMETER         | SPIKE<br>AMOUNT | MEASURED<br>AMOUNT | UNITS               | PERCENT<br>RECOVERY | RPD  | METHOD      |
|-------------------|-----------------|--------------------|---------------------|---------------------|------|-------------|
| TPH (as Gasoline) | 200             | 240                | ug/L                | 118                 |      | SW846 8015B |
|                   | 200             | 240                | ug/L                | 118                 | 0.28 | SW846 8015B |
| SURROGATE         |                 |                    | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS  |      |             |
| Trifluorotoluene  |                 |                    | 99                  | (10 - 150)          |      |             |
|                   |                 |                    | 96                  | (10 - 150)          |      |             |

### NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: 7L06288      Work Order #....: KD09G1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7L120000-409      KD09G1AD-LCSD  
 Prep Date.....: 12/11/07      Analysis Date...: 12/11/07  
 Prep Batch #....: 7346409  
 Dilution Factor: 1

| PARAMETER         | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS | RPD | RPD<br>LIMITS | METHOD      |
|-------------------|---------------------|--------------------|-----|---------------|-------------|
| TPH (as Gasoline) | 107                 | (72 - 140)         |     |               | SW846 8015B |
|                   | 111                 | (72 - 140)         | 3.7 | (0-20)        | SW846 8015B |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 84                  | (10 - 150)         |
|                  | 82                  | (10 - 150)         |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE DATA REPORT

## GC Volatiles

Client Lot #....: 7L06288      Work Order #....: KD09G1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7L120000-409      KD09G1AD-LCSD  
 Prep Date.....: 12/11/07      Analysis Date...: 12/11/07  
 Prep Batch #....: 7346409  
 Dilution Factor: 1

| <u>PARAMETER</u>  | <u>SPIKE</u><br><u>AMOUNT</u> | <u>MEASURED</u><br><u>AMOUNT</u> | <u>UNITS</u> | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RPD</u>                       | <u>METHOD</u> |
|-------------------|-------------------------------|----------------------------------|--------------|-----------------------------------|----------------------------------|---------------|
| TPH (as Gasoline) | 200                           | 210                              | ug/L         | 107                               |                                  | SW846 8015B   |
|                   | 200                           | 220                              | ug/L         | 111                               | 3.7                              | SW846 8015B   |
| <u>SURROGATE</u>  |                               |                                  |              | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RECOVERY</u><br><u>LIMITS</u> |               |
| Trifluorotoluene  |                               |                                  |              | 84                                | (10 - 150)                       |               |
|                   |                               |                                  |              | 82                                | (10 - 150)                       |               |

### NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: 7L06288      Work Order #....: KD1HK1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7L120000-440      KD1HK1AD-LCSD  
 Prep Date.....: 12/11/07      Analysis Date...: 12/11/07  
 Prep Batch #....: 7346440  
 Dilution Factor: 1

| PARAMETER         | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS | RPD | RPD<br>LIMITS | METHOD      |
|-------------------|---------------------|--------------------|-----|---------------|-------------|
| TPH (as Gasoline) | 109                 | (72 - 140)         |     |               | SW846 8015B |
|                   | 118                 | (72 - 140)         | 7.8 | (0-20)        | SW846 8015B |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 98                  | (10 - 150)         |
|                  | 96                  | (10 - 150)         |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE DATA REPORT

## GC Volatiles

Client Lot #....: 7L06288      Work Order #....: KD1HK1AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: A7L120000-440      KD1HK1AD-LCSD  
 Prep Date.....: 12/11/07      Analysis Date...: 12/11/07  
 Prep Batch #....: 7346440  
 Dilution Factor: 1

| <u>PARAMETER</u>  | <u>SPIKE<br/>AMOUNT</u> | <u>MEASURED<br/>AMOUNT</u> | <u>UNITS</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RPD</u> | <u>METHOD</u>              |
|-------------------|-------------------------|----------------------------|--------------|-----------------------------|------------|----------------------------|
| TPH (as Gasoline) | 200                     | 220                        | ug/L         | 109                         |            | SW846 8015B                |
|                   | 200                     | 240                        | ug/L         | 118                         | 7.8        | SW846 8015B                |
| <u>SURROGATE</u>  |                         |                            |              | <u>PERCENT<br/>RECOVERY</u> |            | <u>RECOVERY<br/>LIMITS</u> |
| Trifluorotoluene  |                         |                            |              | 98                          |            | (10 - 150)                 |
|                   |                         |                            |              | 96                          |            | (10 - 150)                 |

### NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288      Work Order #....: KDLLN1AC-MS      Matrix.....: WG  
 MS Lot-Sample #: A7L060288-009      KDLLN1AD-MSD  
 Date Sampled....: 12/04/07 16:00      Date Received...: 12/06/07  
 Prep Date.....: 12/12/07      Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1

| PARAMETER          | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS | RPD  | RPD<br>LIMITS | METHOD      |
|--------------------|---------------------|--------------------|------|---------------|-------------|
| Benzene            | 94                  | (78 - 118)         |      |               | SW846 8260B |
|                    | 94                  | (78 - 118)         | 0.12 | (0-20)        | SW846 8260B |
| Chlorobenzene      | 93                  | (76 - 117)         |      |               | SW846 8260B |
|                    | 92                  | (76 - 117)         | 0.19 | (0-20)        | SW846 8260B |
| 1,1-Dichloroethene | 87                  | (62 - 130)         |      |               | SW846 8260B |
|                    | 88                  | (62 - 130)         | 1.4  | (0-20)        | SW846 8260B |
| Toluene            | 98                  | (70 - 119)         |      |               | SW846 8260B |
|                    | 98                  | (70 - 119)         | 0.42 | (0-20)        | SW846 8260B |
| Trichloroethene    | 91                  | (62 - 130)         |      |               | SW846 8260B |
|                    | 90                  | (62 - 130)         | 0.99 | (0-20)        | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 95                  | (73 - 122)         |
|                       | 97                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 93                  | (61 - 128)         |
|                       | 93                  | (61 - 128)         |
| Toluene-d8            | 101                 | (76 - 110)         |
|                       | 100                 | (76 - 110)         |
| 4-Bromofluorobenzene  | 103                 | (74 - 116)         |
|                       | 101                 | (74 - 116)         |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE DATA REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288      Work Order #....: KDLLN1AC-MS      Matrix.....: WG  
 MS Lot-Sample #: A7L060288-009      KDLLN1AD-MSD  
 Date Sampled...: 12/04/07 16:00      Date Received...: 12/06/07  
 Prep Date.....: 12/12/07      Analysis Date...: 12/12/07  
 Prep Batch #....: 7346476  
 Dilution Factor: 1

| PARAMETER          | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCNT RECVRY | RPD  | METHOD      |
|--------------------|---------------|-----------|---------------|-------|---------------|------|-------------|
| Benzene            | ND            | 10        | 9.4           | ug/L  | 94            |      | SW846 8260B |
|                    | ND            | 10        | 9.4           | ug/L  | 94            | 0.12 | SW846 8260B |
| Chlorobenzene      | ND            | 10        | 9.3           | ug/L  | 93            |      | SW846 8260B |
|                    | ND            | 10        | 9.2           | ug/L  | 92            | 0.19 | SW846 8260B |
| 1,1-Dichloroethene | ND            | 10        | 8.7           | ug/L  | 87            |      | SW846 8260B |
|                    | ND            | 10        | 8.8           | ug/L  | 88            | 1.4  | SW846 8260B |
| Toluene            | ND            | 10        | 9.8           | ug/L  | 98            |      | SW846 8260B |
|                    | ND            | 10        | 9.8           | ug/L  | 98            | 0.42 | SW846 8260B |
| Trichloroethene    | ND            | 10        | 9.1           | ug/L  | 91            |      | SW846 8260B |
|                    | ND            | 10        | 9.0           | ug/L  | 90            | 0.99 | SW846 8260B |

| SURROGATE             | PERCENT RECOVERY | RECOVERY LIMITS |
|-----------------------|------------------|-----------------|
| Dibromofluoromethane  | 95               | (73 - 122)      |
|                       | 97               | (73 - 122)      |
| 1,2-Dichloroethane-d4 | 93               | (61 - 128)      |
|                       | 93               | (61 - 128)      |
| Toluene-d8            | 101              | (76 - 110)      |
|                       | 100              | (76 - 110)      |
| 4-Bromofluorobenzene  | 103              | (74 - 116)      |
|                       | 101              | (74 - 116)      |

### NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288      Work Order #....: KDQQA1AD-MS      Matrix.....: WG  
 MS Lot-Sample #: A7L070423-011      KDQQA1AE-MSD  
 Date Sampled....: 12/06/07 09:30      Date Received...: 12/07/07  
 Prep Date.....: 12/15/07      Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1

| PARAMETER          | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS | RPD  | RPD<br>LIMITS | METHOD      |
|--------------------|---------------------|--------------------|------|---------------|-------------|
| Benzene            | 91                  | (78 - 118)         |      |               | SW846 8260B |
|                    | 93                  | (78 - 118)         | 2.4  | (0-20)        | SW846 8260B |
| Chlorobenzene      | 92                  | (76 - 117)         |      |               | SW846 8260B |
|                    | 92                  | (76 - 117)         | 0.87 | (0-20)        | SW846 8260B |
| 1,1-Dichloroethene | 85                  | (62 - 130)         |      |               | SW846 8260B |
|                    | 87                  | (62 - 130)         | 1.8  | (0-20)        | SW846 8260B |
| Toluene            | 95                  | (70 - 119)         |      |               | SW846 8260B |
|                    | 95                  | (70 - 119)         | 0.41 | (0-20)        | SW846 8260B |
| Trichloroethene    | 86                  | (62 - 130)         |      |               | SW846 8260B |
|                    | 91                  | (62 - 130)         | 6.2  | (0-20)        | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 90                  | (73 - 122)         |
|                       | 91                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 98                  | (61 - 128)         |
|                       | 91                  | (61 - 128)         |
| Toluene-d8            | 96                  | (76 - 110)         |
|                       | 94                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 94                  | (74 - 116)         |
|                       | 96                  | (74 - 116)         |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE DATA REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288      Work Order #....: KDQQA1AD-MS      Matrix.....: WG  
 MS Lot-Sample #: A7L070423-011      KDQQA1AE-MSD  
 Date Sampled...: 12/06/07 09:30      Date Received...: 12/07/07  
 Prep Date.....: 12/15/07      Analysis Date...: 12/15/07  
 Prep Batch #....: 7351272  
 Dilution Factor: 1

| PARAMETER          | SAMPLE<br>AMOUNT | SPIKE<br>AMT | MEASRD<br>AMOUNT | UNITS | PERCNT<br>RECVRY | RPD  | METHOD      |
|--------------------|------------------|--------------|------------------|-------|------------------|------|-------------|
| Benzene            | ND               | 10           | 9.1              | ug/L  | 91               |      | SW846 8260B |
|                    | ND               | 10           | 9.3              | ug/L  | 93               | 2.4  | SW846 8260B |
| Chlorobenzene      | ND               | 10           | 9.2              | ug/L  | 92               |      | SW846 8260B |
|                    | ND               | 10           | 9.2              | ug/L  | 92               | 0.87 | SW846 8260B |
| 1,1-Dichloroethene | ND               | 10           | 8.5              | ug/L  | 85               |      | SW846 8260B |
|                    | ND               | 10           | 8.7              | ug/L  | 87               | 1.8  | SW846 8260B |
| Toluene            | ND               | 10           | 9.5              | ug/L  | 95               |      | SW846 8260B |
|                    | ND               | 10           | 9.5              | ug/L  | 95               | 0.41 | SW846 8260B |
| Trichloroethene    | ND               | 10           | 8.6              | ug/L  | 86               |      | SW846 8260B |
|                    | ND               | 10           | 9.1              | ug/L  | 91               | 6.2  | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 90                  | (73 - 122)         |
|                       | 91                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 98                  | (61 - 128)         |
|                       | 91                  | (61 - 128)         |
| Toluene-d8            | 96                  | (76 - 110)         |
|                       | 94                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 94                  | (74 - 116)         |
|                       | 96                  | (74 - 116)         |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC/MS Volatiles

Client Lot #...: 7L06288      Work Order #...: KDP471AE-MS      Matrix.....: WATER  
 MS Lot-Sample #: A7L070368-009      KDP471AF-MSD  
 Date Sampled...: 12/06/07      Date Received...: 12/07/07  
 Prep Date.....: 12/18/07      Analysis Date...: 12/18/07  
 Prep Batch #...: 7353354  
 Dilution Factor: 1

| PARAMETER          | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS | RPD  | RPD<br>LIMITS | METHOD      |
|--------------------|---------------------|--------------------|------|---------------|-------------|
| Benzene            | 99                  | (78 - 118)         |      |               | SW846 8260B |
|                    | 100                 | (78 - 118)         | 1.2  | (0-20)        | SW846 8260B |
| Chlorobenzene      | 98                  | (76 - 117)         |      |               | SW846 8260B |
|                    | 98                  | (76 - 117)         | 0.55 | (0-20)        | SW846 8260B |
| 1,1-Dichloroethene | 102                 | (62 - 130)         |      |               | SW846 8260B |
|                    | 104                 | (62 - 130)         | 2.4  | (0-20)        | SW846 8260B |
| Toluene            | 102                 | (70 - 119)         |      |               | SW846 8260B |
|                    | 102                 | (70 - 119)         | 0.39 | (0-20)        | SW846 8260B |
| Trichloroethene    | 93                  | (62 - 130)         |      |               | SW846 8260B |
|                    | 95                  | (62 - 130)         | 2.1  | (0-20)        | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
|                       | 95                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 102                 | (61 - 128)         |
|                       | 109                 | (61 - 128)         |
| Toluene-d8            | 95                  | (76 - 110)         |
|                       | 94                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 98                  | (74 - 116)         |
|                       | 99                  | (74 - 116)         |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE DATA REPORT

## GC/MS Volatiles

Client Lot #....: 7L06288      Work Order #....: KDP471AE-MS      Matrix.....: WATER  
 MS Lot-Sample #: A7L070368-009      KDP471AF-MSD  
 Date Sampled...: 12/06/07      Date Received...: 12/07/07  
 Prep Date.....: 12/18/07      Analysis Date...: 12/18/07  
 Prep Batch #....: 7353354  
 Dilution Factor: 1

| PARAMETER          | SAMPLE<br>AMOUNT | SPIKE<br>AMT | MEASRD<br>AMOUNT | UNITS | PERCNT<br>RECVRY | RPD  | METHOD      |
|--------------------|------------------|--------------|------------------|-------|------------------|------|-------------|
| Benzene            | ND               | 10           | 9.9              | ug/L  | 99               |      | SW846 8260B |
|                    | ND               | 10           | 10               | ug/L  | 100              | 1.2  | SW846 8260B |
| Chlorobenzene      | ND               | 10           | 9.8              | ug/L  | 98               |      | SW846 8260B |
|                    | ND               | 10           | 9.8              | ug/L  | 98               | 0.55 | SW846 8260B |
| 1,1-Dichloroethene | ND               | 10           | 10               | ug/L  | 102              |      | SW846 8260B |
|                    | ND               | 10           | 10               | ug/L  | 104              | 2.4  | SW846 8260B |
| Toluene            | ND               | 10           | 10               | ug/L  | 102              |      | SW846 8260B |
|                    | ND               | 10           | 10               | ug/L  | 102              | 0.39 | SW846 8260B |
| Trichloroethene    | ND               | 10           | 9.3              | ug/L  | 93               |      | SW846 8260B |
|                    | ND               | 10           | 9.5              | ug/L  | 95               | 2.1  | SW846 8260B |

| SURROGATE             | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|-----------------------|---------------------|--------------------|
| Dibromofluoromethane  | 94                  | (73 - 122)         |
|                       | 95                  | (73 - 122)         |
| 1,2-Dichloroethane-d4 | 102                 | (61 - 128)         |
|                       | 109                 | (61 - 128)         |
| Toluene-d8            | 95                  | (76 - 110)         |
|                       | 94                  | (76 - 110)         |
| 4-Bromofluorobenzene  | 98                  | (74 - 116)         |
|                       | 99                  | (74 - 116)         |

### NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: 7L06288      Work Order #....: KDLLN1AF-MS      Matrix.....: WG  
 MS Lot-Sample #: A7L060288-009      KDLLN1AG-MSD  
 Date Sampled...: 12/04/07 16:00      Date Received...: 12/06/07  
 Prep Date.....: 12/08/07      Analysis Date...: 12/08/07  
 Prep Batch #....: 7344082  
 Dilution Factor: 1

| PARAMETER         | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS | RPD | RPD<br>LIMITS | METHOD      |
|-------------------|---------------------|--------------------|-----|---------------|-------------|
| TPH (as Gasoline) | 88                  | (63 - 143)         |     |               | SW846 8015B |
|                   | 95                  | (63 - 143)         | 6.2 | (0-20)        | SW846 8015B |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 99                  | (10 - 150)         |
|                  | 98                  | (10 - 150)         |

### NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE DATA REPORT

## GC Volatiles

Client Lot #....: 7L06288      Work Order #....: KDLLN1AF-MS      Matrix.....: WG  
 MS Lot-Sample #: A7L060288-009      KDLLN1AG-MSD  
 Date Sampled...: 12/04/07 16:00      Date Received...: 12/06/07  
 Prep Date.....: 12/08/07      Analysis Date...: 12/08/07  
 Prep Batch #....: 7344082  
 Dilution Factor: 1

| PARAMETER         | SAMPLE<br>AMOUNT | SPIKE<br>AMT | MEASRD<br>AMOUNT | UNITS | PERCNT<br>RECVRY | RPD | METHOD      |
|-------------------|------------------|--------------|------------------|-------|------------------|-----|-------------|
| TPH (as Gasoline) | 33               | 200          | 210              | ug/L  | 88               |     | SW846 8015B |
|                   | 33               | 200          | 220              | ug/L  | 95               | 6.2 | SW846 8015B |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 99                  | (10 - 150)         |
|                  | 98                  | (10 - 150)         |

### NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #...: 7L06288      Work Order #...: KDQPJ1AD-MS      Matrix.....: WG  
 MS Lot-Sample #: A7L070423-001      KDQPJ1AE-MSD  
 Date Sampled...: 12/05/07 11:30      Date Received...: 12/07/07  
 Prep Date.....: 12/12/07      Analysis Date...: 12/12/07  
 Prep Batch #...: 7346409  
 Dilution Factor: 1

| PARAMETER         | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS | RPD | RPD<br>LIMITS | METHOD      |
|-------------------|---------------------|--------------------|-----|---------------|-------------|
| TPH (as Gasoline) | 88                  | (63 - 143)         |     |               | SW846 8015B |
|                   | 82                  | (63 - 143)         | 5.4 | (0-20)        | SW846 8015B |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 84                  | (10 - 150)         |
|                  | 78                  | (10 - 150)         |

### NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE DATA REPORT

## GC Volatiles

Client Lot #....: 7L06288      Work Order #....: KDQPJ1AD-MS      Matrix.....: WG  
 MS Lot-Sample #: A7L070423-001      KDQPJ1AE-MSD  
 Date Sampled...: 12/05/07 11:30      Date Received...: 12/07/07  
 Prep Date.....: 12/12/07      Analysis Date...: 12/12/07  
 Prep Batch #....: 7346409  
 Dilution Factor: 1

| PARAMETER         | SAMPLE<br>AMOUNT | SPIKE<br>AMT | MEASRD<br>AMOUNT    | UNITS | PERCNT<br>RECVRY   | RPD | METHOD      |
|-------------------|------------------|--------------|---------------------|-------|--------------------|-----|-------------|
| TPH (as Gasoline) | 33               | 200          | 210                 | ug/L  | 88                 |     | SW846 8015B |
|                   | 33               | 200          | 200                 | ug/L  | 82                 | 5.4 | SW846 8015B |
| SURROGATE         |                  |              | PERCENT<br>RECOVERY |       | RECOVERY<br>LIMITS |     |             |
| Trifluorotoluene  |                  |              | 84                  |       | (10 - 150)         |     |             |
|                   |                  |              | 78                  |       | (10 - 150)         |     |             |

### NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: 7L06288      Work Order #....: KDQQA1AF-MS      Matrix.....: WG  
 MS Lot-Sample #: A7L070423-011      KDQQA1AG-MSD  
 Date Sampled...: 12/06/07 09:30      Date Received...: 12/07/07  
 Prep Date.....: 12/12/07      Analysis Date...: 12/12/07  
 Prep Batch #....: 7346440  
 Dilution Factor: 1

| <u>PARAMETER</u>  | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u>  | <u>RPD</u> | <u>RPD<br/>LIMITS</u>      | <u>METHOD</u> |
|-------------------|-----------------------------|-----------------------------|------------|----------------------------|---------------|
| TPH (as Gasoline) | 97                          | (63 - 143)                  |            |                            | SW846 8015B   |
|                   | 90                          | (63 - 143)                  | 6.8        | (0-20)                     | SW846 8015B   |
| <u>SURROGATE</u>  |                             | <u>PERCENT<br/>RECOVERY</u> |            | <u>RECOVERY<br/>LIMITS</u> |               |
| Trifluorotoluene  |                             | 103                         |            | (10 - 150)                 |               |
|                   |                             | 100                         |            | (10 - 150)                 |               |

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE DATA REPORT

## GC Volatiles

Client Lot #....: 7L06288      Work Order #....: KDQQA1AF-MS      Matrix.....: WG  
 MS Lot-Sample #: A7L070423-011      KDQQA1AG-MSD  
 Date Sampled....: 12/06/07 09:30      Date Received...: 12/07/07  
 Prep Date.....: 12/12/07      Analysis Date...: 12/12/07  
 Prep Batch #....: 7346440  
 Dilution Factor: 1

| PARAMETER         | SAMPLE<br>AMOUNT | SPIKE<br>AMT | MEASRD<br>AMOUNT | UNITS | PERCNT<br>RECVRY | RPD | METHOD      |
|-------------------|------------------|--------------|------------------|-------|------------------|-----|-------------|
| TPH (as Gasoline) | 33               | 200          | 230              | ug/L  | 97               |     | SW846 8015B |
|                   | 33               | 200          | 210              | ug/L  | 90               | 6.8 | SW846 8015B |

| SURROGATE        | PERCENT<br>RECOVERY | RECOVERY<br>LIMITS |
|------------------|---------------------|--------------------|
| Trifluorotoluene | 103                 | (10 - 150)         |
|                  | 100                 | (10 - 150)         |

### NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters





The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

**Required Client Information:**

PAGE 7 OF 2

ID #  
№ 09006

SSOW Ref. Code:  
E0A5007

**Valid Matrix Codes**  
WG Groundwater  
WB Borehole Water  
WS Surface Water  
SO Soil  
SE Sediment  
See Back for  
Additional Codes

Matrix CodeDate CollectedTime Collected

## # Containers

Unpreserved

HCl $\text{H}_2\text{SO}_4$  $\text{HNO}_3$  $\text{NaOH}$ 

**Other:**

TCL-VOC

Remarks/Lab ID

The graph displays four curves on a grid. The y-axis is labeled 1 through 15. The x-axis is labeled Canton. The curves are labeled as follows:

- Trip Blank-A**: The leftmost curve, starting at approximately (0, 14.5) and ending at (10, 1.5).
- MQ**: The second curve from the left, starting at approximately (0, 13.5) and ending at (10, 1.5).
- Unlabeled Curve 1**: The third curve from the left, starting at approximately (0, 12.5) and ending at (10, 1.5).
- Unlabeled Curve 2**: The rightmost curve, starting at approximately (0, 11.5) and ending at (10, 1.5).

The curves are all concave up, indicating a decreasing rate of change as the x-value increases.

| SHIPMENT METHOD |  | NO. OF COOLERS |  | RELINQUISHED BY / AFFILIATION |  | DATE    |  | TIME |  | RECEIVED BY / AFFILIATION |  | DATE    |  | TIME |  |
|-----------------|--|----------------|--|-------------------------------|--|---------|--|------|--|---------------------------|--|---------|--|------|--|
| Fed - X         |  | 1              |  | Jedman / CRA                  |  | 12/5/07 |  | 1930 |  | NCT                       |  | 12/2/07 |  | 1010 |  |
| AIRBILL NO.     |  |                |  |                               |  |         |  |      |  |                           |  |         |  |      |  |

| Sample Condition |       |
|------------------|-------|
| Temp in °C       |       |
| Received on Ice  | Y / N |
| Sealed Cooler    | Y / N |
| Samples Intact   | Y / N |

Additional Comments:

Sampler Name: \_\_\_\_\_

Sampler Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Distribution:** WHITE - Fully Executed Copy    YELLOW - Receiving Laboratory Copy    PINK - Sampler Copy



**STL Cooler Receipt Form/Narrative  
North Canton Facility**

[illegible]

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LFGAL DOCUMENT. All relevant fields must be completed accurately.

## Required Client Information:

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| Company: <b>CRMA</b>                             | Report To: <b>Susan Senczek</b>        |
| Address: <b>2055 Niagara Falls Blvd Suite 43</b> | Copy To: <b>PLI Harvey</b>             |
| <b>Niagara Falls NY 14304</b>                    | Invoice To:                            |
| Phone: <b>716 247 2265</b>                       | Project Name: <b>GM Fairfax</b>        |
| Fax: <b>716 247 2265</b>                         | Project Number: <b>12559-05-262046</b> |
| E-mail: <b>jsenczek@CRMAworld.com</b>            |                                        |

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|                                                        |
|--------------------------------------------------------|
| Laboratory: <b>STL/TA</b>                              |
| Laboratory Location: <b>N Canton OH</b>                |
| Laboratory Contact:                                    |
| Requested Due Date:                                    |
| QA/QC Requirements: <b>Trip Blank, Rinsate, ms/msd</b> |
| TAT: <b>standard</b>                                   |

ID # **№ 00763**

SSOW Ref. Code: **E045007**

## Sample Identification:

| Sample Identification:      | Valid Matrix Codes:<br>WG: Groundwater<br>WB: Borehole Water<br>WS: Surface Water<br>SO: Soil<br>ST: Sediment<br>See Back for Additional Codes | Matrix Code | Date Collected | Time Collected | # Containers | Unpreserved | HC1 | H2SO4 | HNO3 | NaOH | Other: | Analysis and Method | Remarks/Lab ID |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|----------------|--------------|-------------|-----|-------|------|------|--------|---------------------|----------------|
| 1. <b>GW-120507-JH-016</b>  |                                                                                                                                                | <b>WG</b>   | <b>12/5/07</b> | <b>1305</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        | <b>TCL-VOC</b>      |                |
| 2. <b>017</b>               |                                                                                                                                                |             |                | <b>1305</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        | <b>TPH-G</b>        |                |
| 3. <b>018</b>               |                                                                                                                                                |             |                | <b>1350</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        |                     |                |
| 4. <b>019</b>               |                                                                                                                                                |             |                | <b>1420</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        |                     |                |
| 5. <b>020</b>               |                                                                                                                                                |             |                | <b>1450</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        |                     |                |
| 6. <b>021</b>               |                                                                                                                                                |             |                | <b>1505</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        |                     |                |
| 7. <b>GW-120507-JH-022</b>  |                                                                                                                                                | <b>WG</b>   |                | <b>1520</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        |                     |                |
| 8. <b>GW-120507-JH-023</b>  |                                                                                                                                                | <b>WG</b>   |                | <b>1605</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        |                     |                |
| 9. <b>024</b>               |                                                                                                                                                |             |                | <b>1645</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        |                     |                |
| 10. <b>GW-120507-JH-025</b> |                                                                                                                                                |             |                | <b>1645</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        |                     |                |
| 11. <b>026</b>              |                                                                                                                                                |             |                | <b>1630</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        |                     |                |
| 12. <b>027</b>              |                                                                                                                                                |             |                | <b>1030</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        |                     |                |
| 13. <b>028</b>              |                                                                                                                                                |             |                | <b>1045</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        |                     |                |
| 14. <b>029</b>              |                                                                                                                                                |             |                | <b>1115</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        |                     |                |
| 15. <b>030</b>              |                                                                                                                                                |             |                | <b>1200</b>    | <b>5</b>     | <b>✓</b>    |     |       |      |      |        |                     |                |

TOTAL NUMBER OF CONTAINERS: **85**

| SHIPMENT METHOD | NO. OF COOLERS | RELINQUISHED BY / AFFILIATION | DATE | TIME | RECEIVED BY / AFFILIATION | DATE            | TIME           |
|-----------------|----------------|-------------------------------|------|------|---------------------------|-----------------|----------------|
| <b>Fed-X</b>    | <b>2</b>       | <b>John Thompson / CRMA</b>   |      |      | <b>CRMA, N. Canton</b>    | <b>12-10-07</b> | <b>12:30pm</b> |

## Sample Condition

|                 |       |
|-----------------|-------|
| Temp in °C      | Y / N |
| Received on Ice | Y / N |
| Sealed Cooler   | Y / N |
| Samples Intact  | Y / N |

## Additional Comments:

|                    |       |
|--------------------|-------|
| Sampler Name:      | Date: |
| Sampler Signature: |       |

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy



A7L0F0423

Quote #

By [Signature]  
(Signature)

(Signature)

1

Other \_\_\_\_\_

Intact? Yes ☐ No ☐ NA ☒

\_\_\_\_\_

Yes ☐ No ☐ NA ☒

Yes ☐ No ☒

2

Yes ☒ No ☐

Relinquished by client? Yes ☒ No ☐

Yes ☒ No ☐

Other \_\_\_\_\_

ple coolers/temps)

Other ☐None ☐

Yes ☒ No ☐

Yes ☒ No ☐

Yes ☐ No ☐ NA ☒

Yes ☒ No ☐

Yes ☐ No ☒ NA ☐

Yes ☒ No ☐

the COC? Yes ☒ No ☐

Date ~~of~~ 12/7/07

via Voice Mail ☒ Verbal ☐ Other ☐

114

YU

The following discrepancies occurred:

✓ Trip blank B + trip blank C - only rec'd  
1x40 each, Both samples are marked for VOC's  
and TPH-G, will log TB-B for VOC's + TB-C-TPH-G

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| <b>Sample(s)</b> | <b>were received after the recommended holding time had expired.</b> |
| <b>Sample(s)</b> | <b>were received in a broken container.</b>                          |

Sample(s) \_\_\_\_\_ were further preserved in sample receiving to meet recommended pH level(s). Nitric Acid Lot #071707-HNO<sub>3</sub> - Sulfuric Acid Lot # 092006-H<sub>2</sub>SO<sub>4</sub>; Sodium Hydroxide Lot # 122805 -NaOH; Hydrochloric Acid Lot # 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot # 050205-CH<sub>3</sub>COO<sub>2</sub>ZN/NaOH  
What time was preservative added to sample(s)? \_\_\_\_\_

Sample(s) were received with bubble > 6 mm in diameter (Notify PM)

[illegible]

[illegible]

***END OF REPORT***

