

# **Periodic Monitoring Report for Vapor-Sampling Activities at Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54, for Fiscal Year 2008**

Prepared by the Environmental Programs Directorate

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# Periodic Monitoring Report for Vapor-Sampling Activities at Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54, for Fiscal Year 2008

January 2009

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## **EXECUTIVE SUMMARY**

This periodic monitoring report summarizes pore-gas monitoring activities conducted during fiscal year (FY) 2008 at Material Disposal Area (MDA) L, Solid Waste Management Unit 54-006, in Technical Area 54 at Los Alamos National Laboratory. The objective of the monitoring is to evaluate concentration trends of volatile organic compounds (VOCs) and tritium in subsurface vapor at MDA L over time and over their distances from known VOC source areas.

Monitoring conducted in FY2008 included field screening of ports in the 27 existing boreholes at MDA L and the one open borehole and collecting pore-gas samples for laboratory analyses of VOCs and tritium from selected ports. Analytical results confirm the presence of VOCs and tritium in vapor samples.

Validated analytical results confirm the presence of two VOC source areas. VOC concentrations in each source area decrease from the base of the shafts and pit (where organic chemicals had been disposed of) to borehole total depth (TD). Field monitoring of pore gas from locations in angled boreholes drilled from the canyon into basalt under MDA L source areas also shows decreasing VOC analytical concentrations to angled borehole TD. Pore-gas results indicate that there is no immediate threat to groundwater from the VOC.



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## 1.0 INTRODUCTION

This report presents vapor-monitoring results for implementation of "Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area L at Technical Area 54, Revision 1" (LANL 2007, 099372). Pore-gas screening and sampling were conducted during all four quarters of fiscal year (FY) 2008.

Material Disposal Area (MDA) L, Solid Waste Management Unit (SWMU) 54-006, is located in the east-central portion of Los Alamos National Laboratory (LANL or the Laboratory) on Mesita del Buey (Figure 1.0-1). It consists of 1 inactive subsurface disposal pit (Pit A), 3 inactive subsurface treatment and disposal impoundments (Impoundments B, C, and D), and 34 inactive disposal shafts (Shafts 1 to 34). Shaft 35 was never constructed. Shafts 36 and 37 are the former lead-stringer shafts that are undergoing Resource Conservation and Recovery Act (RCRA) closure and are not part of SWMU 54-006. MDA L is relatively flat, and most of the overlying surface is paved with asphalt to house ongoing waste-management activities, including the storage of chemical, hazardous, and mixed low-level wastes managed within container storage units.

During the late 1950s, the Laboratory, with the approval of the U.S. Atomic Energy Commission and on recommendation of the U.S. Geological Survey, selected Mesita del Buey within Technical Area 54 (TA-54) for underground disposal of Laboratory-generated waste (Rogers 1977, 005707; Rogers 1977, 005708, p. G-1). Since then, the main waste storage and disposal facilities for the Laboratory have been located at TA-54. MDA L is one of four inactive disposal areas on Mesita del Buey, which is bounded by Pajarito Canyon to the south and Cañada del Buey to the north.

MDA L was used for disposal of nonradiological liquid-chemical waste, including containerized and uncontainerized liquid wastes; bulk quantities of treated aqueous waste; batch-treated salt solutions; electroplating wastes (including precipitated heavy metals); and small-batch quantities of treated lithium hydride. MDA L operated from the early 1960s to 1985 when it was decommissioned (i.e., removed from service).

One pit, 3 impoundments, and 34 shafts were excavated into the overlying soil and unit 2 of the Tshirege Member of the Bandelier Tuff at MDA L. The site features are shown in Figure 1.0-2. The subsurface disposal units range in depth from 10 to 65 ft below the original ground surface. The regional aquifer is estimated to be at a depth of approximately 930 ft below ground surface (bgs), based on data from other wells at the Laboratory and the predictions of the hydrogeologic conceptual model for the Pajarito Plateau (LANL 1998, 059599). The pit, impoundments, and shafts were unlined. The bottoms of the pit and impoundments were level so liquid could spread over the entire surface area to facilitate evaporation. After they were decommissioned, the pit and impoundments were filled and covered with clean, crushed consolidated tuff. The bottom of each shaft was covered with 3 ft of crushed tuff to seal cracks and joints and a steel cap was placed over the opening. When the shafts were filled to within approximately 3 ft of the surface, they were capped with a 3-ft concrete plug (LANL 1992, 007669, p. 5-108).

Pore-gas monitoring at MDA L consists of screening 187 completed sample ports from 27 boreholes and 1 open borehole (location 54-24399). VOC and tritium samples are collected from each unit in 24 of the completed boreholes, which amounts to sampling 85 ports. Samples are also collected from 550 to 608 ft bgs from open borehole location 54-24399.

Since 1985, pore-gas monitoring has been required at MDA L. A summary of monitoring at MDA L follows.

- In 1985, the Laboratory received a compliance order from the New Mexico Environment Department (NMED) stipulating, among other requirements, characterization of pore gas at Areas G and L. The Laboratory installed seven vapor-monitoring wells to characterize pore gas.
- From 1986 to 1990, the Laboratory voluntarily installed 22 additional vapor-monitoring wells to characterize the volatile organic compound (VOC) plumes at Areas G and L.
- In 1990, the U.S. Environmental Protection Agency (EPA) issued Module VIII of the Laboratory's Hazardous Waste Facility Permit. Module VIII included requirements for quarterly pore-gas sampling at MDAs G and L as input into the RCRA facility investigation.
- In March 2005, the Compliance Order on Consent (the Consent Order) required pore-gas monitoring during the site investigations for all MDAs and required the submittal of a long-term, pore-gas monitoring plan for each MDA.
- In September 2005, the Laboratory submitted a proposed long-term monitoring plan for pore gas in Appendix I of the MDA L investigation report (LANL 2005, 092591).
- During June and July 2006, a soil-vapor extraction pilot study was conducted at MDA L. An estimated 800 lb of VOCs was removed from the eastern and western source areas (LANL 2006, 094152).
- During February and March 2007, three boreholes were drilled into the basalt at Area L, the core from each borehole was analyzed, and the boreholes were constructed as vapor-monitoring wells to characterize the VOC plume.
- In July 2007, the Laboratory received an Approval with Direction regarding the long-term subsurface vapor-monitoring plan, provided as Appendix I to the MDA L investigation report that required the Laboratory to submit a table indicating locations and port depths to be sampled (NMED 2007, 098409).
- In August 2007, the Laboratory submitted the "Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area L at Technical Area 54," which included a table indicating locations and port depths to be sampled during pore-gas monitoring activities for FY2008 (LANL 2007, 098712).
- In September 2007, the Laboratory received a notice of disapproval (NOD) pertaining to the August 2007 interim plan (NMED 2007, 098559).
- In October 2007, the Laboratory submitted the "Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area L at Technical Area 54, Revision 1" addressing NMED's directions provided in the September 2007 NOD (LANL 2007, 099372).
- In November 2007, the Laboratory received an approval with modifications on the revised interim monitoring plan. The modifications required increasing the number of boreholes to be screened and sampled (NMED 2007, 098999).
- In January 2008, the Laboratory submitted a proposed long-term, subsurface vapor-monitoring plan for MDA L in Appendix H of the MDA L Corrective Measures Evaluation Plan (LANL 2008, 101718).

- In May 2008, in response to NMED comments on the “Material Disposal Area L Interm Vapor-Monitoring Plan,” the Laboratory submitted a revised table of pore-gas monitoring locations to NMED. Samples for VOCs and tritium needed to be taken in each geologic unit. Where two or more ports were constructed in the same geologic unit, the port closest to the base of the disposal pits was to be sampled (Table 1.0-1) (McInroy 2008, 104475).

Because sampling methods and resulting data quality have changed substantially over the years, pore-gas data before 1996 were used only semiquantitatively in the MDA L investigation work plan (LANL 2004, 087624). Data collected from 1997 to the present have been subjected to rigorous quality assurance/quality control (QA/QC) procedures. The pore-gas monitoring data for MDA L indicate that VOCs are the primary chemicals of potential concern in the subsurface at MDA L. The chemicals of concern include 1,1,1-trichloroethane (TCA), the predominant VOC detected, followed by trichloroethene (TCE), tetrachloroethene (PCE), and tritium.

Information on radioactive materials and radionuclides, including the results of sampling and analysis of radioactive constituents, is voluntarily provided to NMED in accordance with U.S. Department of Energy policy.

Analyses of the pore-gas monitoring data indicate that two sources of the subsurface vapor-phase VOC plume are present. The two unique sources are identified as western source area (shaft fields 1 to 28) and the eastern source area (shaft fields 29 to 34). Both source areas are dominated by the presence of TCA. Vertically, the plume extends between ground surface and the top of the basalt (approximately 320 ft bgs); laterally, the plume extends north-south about 1000 ft and east-west to the width of the mesa (approximately 450 ft). The plume is changing little over time in area, contaminant concentrations, or composition (LANL 2008, 101718).

## 2.0 SCOPE OF ACTIVITIES

The August 2007 “Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area L at Technical Area 54” presented a table indicating locations and port depths to be sampled during pore-gas monitoring activities for FY2008 (LANL 2007, 098712). Pore-gas sampling for first and second quarters had access to the table submitted with this revision of the vapor-monitoring plan. In May 2008, in response to NMED comments, the Laboratory submitted a revised table of pore-gas monitoring locations to NMED. Samples for VOCs and tritium had been taken in each geologic unit. Where two or more ports were constructed in the same geologic unit, the port closest to the base of the disposal pits was to be sampled (Table 1.01) (McInroy 2008, 104475). Pore-gas sampling for third and fourth quarters used the table submitted with revision 1 of the vapor-monitoring plan.

During FY2008, the following subsurface vapor field-screening and sampling activities were completed at MDA L.

- During the first quarter (December 17 to 21, 2007), pore-gas screening at MDA L was conducted at 20 boreholes. VOC samples were collected from sampling ports of 11 boreholes, and tritium samples were collected from sampling ports of 3 boreholes (Table 2.0-1).
- During the second quarter (March 24 to May 2, 2008), pore-gas screening at MDA L was conducted at 24 boreholes. VOC samples were collected from sampling ports of 23 boreholes and from the 505- to 608-ft-depth interval using an inflatable packer sampling system. Tritium samples were collected from sampling ports of 21 boreholes (Table 2.0-2).

- During the third quarter (May 16 to June 24, 2008), pore-gas screening at MDA L was conducted at 26 boreholes. VOC samples were collected from sampling ports of 23 boreholes and from the 505- to 608-ft-depth interval within borehole location 54-24399 using an inflatable packer sampling system. Tritium samples were collected from sampling ports of 22 boreholes and from the 505- to 608-ft-depth interval within borehole location 54-24399 using an inflatable packer sampling system (Table 2.0-3).
- During the fourth quarter (August 6 to September 19, 2008), pore-gas screening at MDA L was conducted at 24 boreholes. VOC samples were collected from sampling ports of 23 boreholes and from the 505- to 608-ft-depth interval using an inflatable packer sampling system. Tritium samples were collected from sampling ports of 19 boreholes and from the 505- to 608-ft-depth interval using an inflatable packer sampling system (Table 2.0-4).

No investigation-derived waste was generated during the quarterly monitoring activities.

## **2.1 FY2008 Deviations**

Pore-gas monitoring during the first and second quarters predated the NMED-approved Table 1.0-1, indicating the samples for VOCs and tritium that needed to be taken in each geologic unit. Tables 2.0-1 and 2.0-1 present the port depths and locations sampled during first and second quarters of FY2008.

The approved monitoring locations for third quarter are shown in Table 1.0-1. Four deviations occurred during the third quarter of pore-gas sampling. The 40-ft port depth in borehole location 54-02002 was blocked, so the 60-ft port depth was sampled for VOCs; the 120-ft port depth in borehole location 54-02024 was blocked, so the 140-ft port depth was sampled for VOCs; the FLUTe membrane in borehole 54-24244 is damaged beyond repair so was not sampled for VOCs or tritium. Tritium sampling of borehole location 54-02021 was not conducted. Sampled port depths and locations are presented in Table 2.0-3.

The approved monitoring locations for fourth quarter are shown in Table 1.0-1. Eight deviations occurred during the fourth quarter of pore-gas sampling. The 18-ft port depth was sampled for VOCs instead of the 31-ft port depth in borehole location 54-02016. The 120-ft port depth in borehole location 54-02024 was blocked, so the 140-ft port depth was sampled for VOCs. The 13-ft port depth was sampled for VOCs instead of the 31-ft port depth in borehole location 54-02089. The FLUTe membrane in borehole location 54-24244 is damaged beyond repair and was not sampled for VOCs or tritium. Tritium sampling of borehole locations 54-02002, 54-02025, 54-24243, and 54-27643 were not conducted. Sampled port depths and locations are presented in Table 2.0-4.

## **2.2 Vapor-Monitoring Changes since FY2007**

The number of ports screened and sampled in support of MDA L subsurface vapor sampling changed from FY2007 to FY2008. In FY2007, 35 boreholes were field screened, and 10 boreholes were sampled over the course of three quarters. The number of boreholes field screened and sampled changed each quarter. Pore-gas screening and sampling for FY2007 occurred during the second, third, and fourth quarters. In FY2008, 26 boreholes were field screened, and 23 boreholes were sampled over the course of four quarters. The number of boreholes field screened and sampled changed each quarter. Tables 2.0-1 to 2.0-4 show the boreholes and port depths screened and sampled.

### 3.0 REGULATORY CRITERIA

The Consent Order does not identify any cleanup standards, risk-based screening levels (SLs), risk-based cleanup goals, or other regulatory criteria for pore gas at MDA L. Therefore, an analysis was conducted to evaluate the potential for contamination of groundwater by VOCs in pore gas using SLs based on groundwater cleanup levels provided in the Consent Order. The analysis evaluated the groundwater concentration that will be in equilibrium with the maximum concentration of VOCs detected at MDA L during the most recent round of monitoring.

$$C_{\text{water}} = C_{\text{air}} / \text{Henry's law constant (H')} \quad \text{Equation 3.0-1}$$

Where

$C_{\text{water}}$  = the volumetric concentration of contaminant in water, and

$C_{\text{air}}$  = is the volumetric concentration of contaminant in air.

If the predicted concentration of a particular VOC in groundwater is less than the SL, then no potential exists for exceedances of groundwater cleanup levels. An analysis of the MDA L data is presented in section 5.0.

Because there are no SLs for pore gas that address the potential for groundwater contamination, the screening evaluation was based on groundwater standards or tap water SLs and Henry's law constants that describe the equilibrium relationship between vapor and water concentrations. The source of the Henry's law constants is the NMED soil-screening level technical background document (NMED 2006, 092513). The following dimensionless form of Henry's law constant was used:

$$H' = \frac{C_{\text{air}}}{C_{\text{water}}} \quad \text{Equation 3.0-1}$$

Where  $C_{\text{air}}$  is the volumetric concentration of contaminant in air and  $C_{\text{water}}$  is the volumetric concentration of contaminant in water. Equation 3.0-1 can be used to calculate the following screening value (SV):

$$SV = \frac{C_{\text{air}}}{1,000 \times H' \times SL} \quad \text{Equation 3.0-2}$$

Where  $C_{\text{air}}$  is the concentration of VOC in the pore-gas sample ( $\mu\text{g}/\text{m}^3$ ),  $H'$  is the dimensionless Henry's law constant,  $SL$  is the screening level ( $\mu\text{g}/\text{L}$ ), and 1000 is a conversion factor from  $\text{L}$  to  $\text{m}^3$ . The SLs are groundwater standards or tap water SLs. These levels are the EPA maximum contaminant level (MCL) or New Mexico Water Quality Control Commission (NMWQCC) groundwater standard, whichever is lower. As specified in the Consent Order, if there is no MCL or NMWQCC standard, the EPA regional tap water SL ([http://www.epa.gov/region09/superfund/prg/pdf/composite\\_sl\\_table\\_run\\_12SEP2008.pdf](http://www.epa.gov/region09/superfund/prg/pdf/composite_sl_table_run_12SEP2008.pdf)) is used and adjusted to  $10^{-5}$  risk for carcinogens. The numerator in Equation 3.0-2 is the actual VOC concentration in pore gas, and the denominator represents the concentration in pore gas needed to exceed the SV. Therefore, if the SV is less than 1, the concentration of VOC in pore gas would not be sufficiently high to cause the SL to be exceeded, even if the VOC plume were in contact with groundwater. Table 3.0-1 presents the concentrations of contaminants in pore gas that would exceed groundwater standards. Therefore, if the SV is less than 1, the concentration of VOC in pore gas would not be sufficiently high to cause the water SL to be exceeded, even if the VOC plume were in contact with groundwater.

#### 4.0 MONITORING RESULTS

Monitoring activities were performed at MDA L from December 17 to December 21, 2007 (first quarter of FY2008), from March 24 to April 9, 2008 (second quarter of FY2008); from May 16 to June 16, 2008 (third quarter of FY2008); and from August 6 to September 3, 2008 (fourth quarter of FY2008). Monitoring at MDA L included field screening of subsurface vapor for VOCs, water vapor, percent carbon dioxide (CO<sub>2</sub>), and oxygen (O<sub>2</sub>).

FY2008 subsurface vapor monitoring was conducted at the locations and depths described in section 2.0 and shown in Tables 2.0-1 to 2.0-4. Before sampling, each interval was purged in accordance with EP-ERSS-SOP-5074, Sampling for Sub-Atmospheric Air, to ensure formation air was being collected. The vapor from each port was field screened using a Landtec GEM-500 photoionization detector equipped with an 11.7-eV lamp for percent CO<sub>2</sub> and O<sub>2</sub>. Each interval was purged with the Landtec until CO<sub>2</sub> and O<sub>2</sub> readings stabilized. The stabilized percent CO<sub>2</sub> and O<sub>2</sub> values from the FY2008 monitoring event performed at each sampling location are shown in Table 4.0-1. After purging and stabilization, VOC field-screening results were collected using a Brüel and Krøjer (B&K) Type 1302 multigas photoacoustic analyzer to estimate contaminant concentrations. The B&K is calibrated for analysis of four organic chemicals: trichlorofluoromethane (Freon-11), PCE, TCA, and TCE. The stabilized B&K field-monitoring values in parts per million are provided in Table 4.0-2. The field-screening QA/QC program followed is presented in Appendix B.

Not all sampling ports produced adequate airflow to collect Landtec or B&K field-screening measurements because some ports were blocked. Tables 2.0-1 to 2.0-4 indicate which ports were not able to be sampled because of blockage.

#### 5.0 ANALYTICAL DATA RESULTS

This section presents a summary of FY2008 VOC and tritium pore-gas data and an evaluation of the pore-gas VOC data.

##### 5.1 Summary of Pore-Gas Data

Subsurface vapor samples were collected at MDA L from December 17 to December 21, 2007 (first quarter of FY2008); from March 24 to May 2, 2008 (second quarter of FY2008); from May 16 to June 24, 2008 (third quarter of FY2008); and from August 6 to September 19, 2008 (fourth quarter of FY2008) in SUMMA canisters submitted for laboratory analysis of VOCs using EPA Method TO-15 and in silica gel cartridges for submittal for laboratory analysis of tritium using EPA Method 906.0.

VOC analytical data from these sampling events are presented in Table 5.1-1. Tritium analytical data from these sampling events are presented in Table 5.1-2. The QA/QC program used to review the data is presented in Appendix B. Analytical Data and Reports for Fiscal Year 2008 are included in Appendix C (on DVD included with this document).

During FY2008, 32 different VOCs were detected at least once in vapor samples collected from MDA L. TCA was detected in 285 of the 288 samples analyzed and was the VOC detected at the highest concentration. TCA was detected at a concentration of 3,500,000 µg/m<sup>3</sup> in borehole location 54-27642 at 27.5 ft bgs during the second quarter of FY2008 and at the same concentration in the same borehole at 113.5 ft bgs during the third quarter. TCE; 1,1-dichloroethene (DCE); 1,1,2-trichloro-1,2,2-trifluoroethane; PCE, and 1,1-dichloroethane (DCA) were also detected in at least 250 of the 288 samples analyzed.

Tritium was detected in 153 of the 267 samples analyzed at concentrations ranging from 542,010 to 66.97 pCi/L. The maximum tritium concentration was detected during the third quarter sampling event at borehole location 54-24243 at a depth of 74 ft bgs.

Concentrations of VOCs detected in analyzed samples reached a maximum concentration between 65 and 120 ft bgs near the depths of the base of the shafts and pit. Concentrations of these analytes decrease with depth. All boreholes from which analytical samples were collected were sampled at multiple depths with the exception of borehole location 54-24399, an open borehole, and borehole location 54-24238, where only one depth was sampled. The samples from each borehole show concentrations of contaminants decreasing with depth.

Concentrations of contaminants periodically sampled from 2005 to 2008 are shown in Figures 5.1-1 to 5.1-6. Trends of VOC concentrations are consistent with a diffusive plume behavior (Stauffer et al. 2000, 069794).

TCA concentrations at borehole locations 54-27643, 54-27641, 54-24399, and 54-24239 have been relatively stable since sampling began in 2007. Borehole location 54-02001 showed stable TCA concentrations since 2005. Borehole location 54-02002 showed a slight decrease of TCA concentrations during 2005 sampling, a slight increase in early 2008, and then a slight decrease later in 2008. Borehole location 54-24243 showed a slight decrease of TCA concentrations. Borehole location 54-27642 showed a slight increase of TCA concentrations. Borehole location 54-02031 showed a steep increase of TCA concentration in 2005 followed by a steep decrease in 2008 where TCA appears to stabilize. The steep increase appears to be an outlier when viewing the rest of the results (Figure 5.1-1).

TCE concentrations at borehole locations 54-24243, 54-27643, 54-24239, and 54-27641 were relatively stable and showed a slight increase in 2008. TCE concentrations at borehole location 54-27643 were stable. TCE concentrations at borehole location 54-02031 increased in 2005 then gradually decreased in 2008 where they appeared to stabilize. TCE concentrations at borehole location 54-02001 were stable until 2008 when concentrations decreased then increased. Borehole location 54-02002 showed a steep decrease in TCE concentrations in 2005; concentrations became stable after the initial decrease (Figure 5.1-2).

Concentrations of PCE at borehole locations 54-27643, 54-27641, 54-24399, and 54-02002 were relatively stable. As with the TCA concentration trend, borehole location 54-02031 showed a steep increase of PCE concentration in 2005 then a steep decrease in 2008 where PCE concentration appears to stabilize. Borehole location 54-24239 showed increasing and decreasing concentrations of PCE over time. Borehole location 54-02001 had relatively stable PCE concentrations with slight increases and decreases (Figure 5.1-3).

Concentrations of DCA at borehole locations 54-02031 and 54-02002 showed relatively stable results from 2005 to 2008. Concentrations of DCA at borehole locations 54-24243 and 54-24239 showed relatively stable results from 2007 to 2008. DCA concentrations in borehole location 54-02001 showed a steep decrease from 2005 to 2008 and then a slight increase (Figure 5.1-4).

DCE concentrations at borehole locations 54-27643, 54-27642, 54-24399, and 54-27641 showed stable results since 2007. Borehole location 54-02031 had a slight increase of DCE concentration in 2005 which decreases in 2008. Borehole location 54-02002 had relatively stable concentrations of DCE until 2008 when there was a sharp increase and then a sharp decrease. This could be an outlier result. Borehole location 54-02001 showed an increase of DCE concentration from 2005 to 2007 and then a decrease in 2008. Borehole location 54-24239 has relatively stable DCE concentrations with a slight increase and decrease. Borehole location 54-24243 DCE concentration results show a sharp increase in 2007, with a sharp decrease in 2008, followed by another sharp increase in 2008 (Figure 5.1-5).

Concentrations of 1,1,2-trichloro-1,2,2-trifluoroethane in borehole locations 54-27643, 54-27641, 54-24239, 54-24399, and 54-02031 were relatively stable over time. Borehole location 54-27642 showed a gradual increase of 1,1,2-trichloro-1,2,2-trifluoroethane concentrations from 2007 to 2008. Borehole location 54-24243 showed a gradual decrease of 1,1,2-trichloro-1,2,2-trifluoroethane concentrations from 2007 to 2008. Concentrations of 1,1,2-trichloro-1,2,2-trifluoroethane in borehole location 54-02002 showed a steep decrease in 2005 around the same time TCA and PCE showed a steep increase; the concentration then slightly increased and decreased again in 2008 (Figure 5.1-6).

## 5.2 Evaluation of VOC Pore-Gas Data

The VOC results from all four quarters of monitoring were screened to evaluate whether the concentrations of VOCs are a potential source of groundwater contamination. Because there are no SLs for pore gas that address the potential for groundwater contamination, the screening evaluation was based on groundwater standards or tap water SLs and Henry's law constants that describe the equilibrium relationship between vapor and water concentrations.

Equation 3.0-2 was used to screen the maximum concentrations of VOCs detected in pore-gas samples at MDA L during FY2008 sampling. The evaluation included the 29 VOCs detected for which there are MCLs, NMWQCC standards, or EPA regional tap water SLs. Table 5.2-1 shows the maximum concentrations of 12 VOCs resulting in SVs greater than 1. These VOCs are benzene, carbon tetrachloride, chloroform, DCA, 1,2-dichlorodifluoromethane, DCE, 1,2-dichloropropane, methylene chloride, PCE, tetrahydrofuran, TCA, and TCE; 1,2-dichloroethane had the highest SV (2300). Because some SVs exceeded 1, further screening was performed using the concentrations from the deepest pore-gas sample (i.e., the sample collected closest to the regional aquifer). The deepest sample was collected from borehole location 54-24399 at a depth interval of 505 to 608 ft and had 11 VOCs detected. The results of this screening show that all concentrations from the deep sample resulted in SVs below 1. Based on this evaluation, the concentrations of VOCs in pore gas at MDA G do not pose an immediate potential source of groundwater contamination.

## 6.0 SUMMARY

The purpose of field screening and monitoring at MDA L is to identify changes in the configuration of the plumes, monitor changes in contaminant concentration distribution, and to identify data-gap needs for future modeling or trend analyses.

The results from the first, second, third, and fourth quarter events of FY2008 are summarized as follows.

- VOC concentrations at MDA L are consistent with a diffusive plume.
- VOC concentrations increase from ground surface to the base of the units where VOCs were disposed of.
- VOC concentrations decrease with depth from the base of the disposal units to borehole total depth (TD).
- VOC measurements over the last 10 yr show a decrease in contaminant concentrations near the source areas and an increase in contaminant concentrations at a distance from the source areas.
- VOC concentrations close to the source areas and at a distance from the source areas are moving toward equilibrium.



- VOC concentrations measured below the central portion of each source area in the basalt are below SL concentrations derived from groundwater cleanup standards.
- Tritium was detected in 153 of the 267 samples analyzed during FY2008 at concentrations ranging from 542,010 to 66.97 pCi/L.

## 7.0 REFERENCES AND DATA SOURCES

### 7.1 References

*The following list includes all documents cited in this report. Parenthetical information following each reference provides the author(s), publication date, and ER ID. This information is also included in text citations. ER IDs are assigned by the Environmental Programs Directorate's Records Processing Facility (RPF) and are used to locate the document at the RPF and, where applicable, in the master reference set.*

*Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority. Documents previously submitted to the administrative authority are not included.*

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NMED (New Mexico Environment Department), July 18, 2007. "Approval with Direction for the 'Investigation Report for Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54' and 'Addendum to the Investigation Report for Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54'," New Mexico Environment Department letter to D. Gregory (DOE LASO) and D. McInroy (LANL) from J.P. Bearzi (NMED-HWB), Santa Fe, New Mexico. (NMED 2007, 098409)

NMED (New Mexico Environment Department), September 25, 2007. "Notice of Disapproval for the Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area (MDA) L, Solid Waste Management Unit 54-006, at Technical Area 54," New Mexico Environment Department letter to D. Gregory (DOE-LASO) and D. McInroy (LANL) from J.P. Bearzi (NMED-HWB), Santa Fe, New Mexico. (NMED 2007, 098559)

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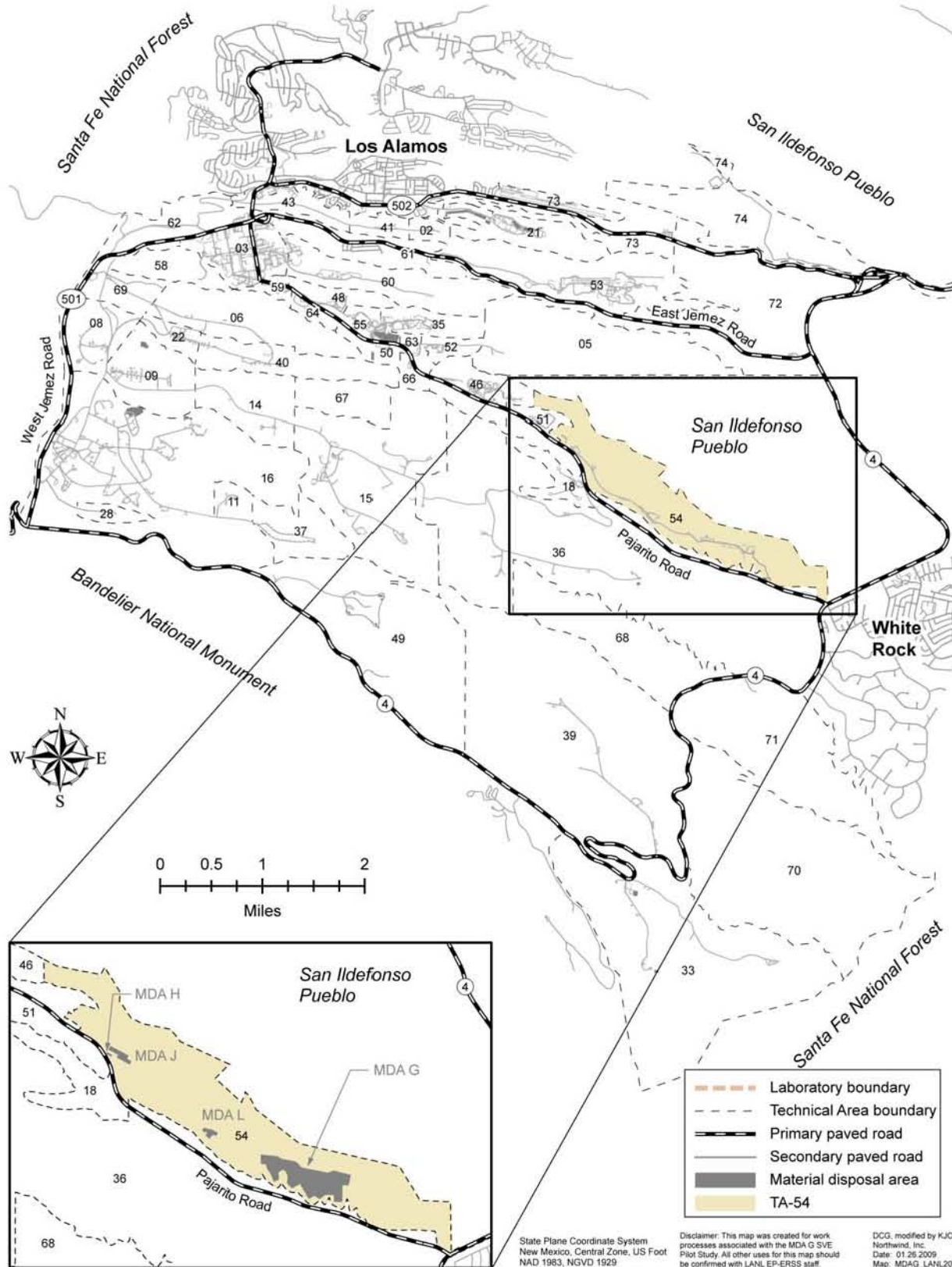
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## 7.2 Map Data Sources

Data sources used in original figures created for this report are described below and identified by legend title.

| Legend Item                  | Data Source                                                                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disposal pit/<br>impoundment | Waste Storage Features; LANL, Environment and Remediation Support Services Division, GIS/Geotechnical Services Group, EP2007-0032; 1:2,500 Scale Data; 13 April 2007.  |
| Disposal shaft               | Waste Storage Features; LANL, Environment and Remediation Support Services Division, GIS/Geotechnical Services Group, EP2007-0032; 1:2,500 Scale Data; 13 April 2007.  |
| Elevation contour            | Hypsography, 10, 20, & 100 Foot Contour Intervals; LANL, ENV Environmental Remediation and Surveillance Program; 1991.                                                 |
| Fence                        | Security and Industrial Fences and Gates; LANL, KSL Site Support Services, Planning, Locating and Mapping Section; 06 January 2004; as published 10 September 2007.    |
| LANL boundary                | LANL Areas Used and Occupied; LANL, Site Planning & Project Initiation Group, Infrastructure Planning Division; 19 September 2008.                                     |
| Material disposal area       | Materials Disposal Areas; LANL, ENV Environmental Remediation and Surveillance Program; ER2004-0221; 1:2,500 Scale Data; 23 April 2004.                                |
| Paved road                   | Paved Road Arcs; Los Alamos National Laboratory, KSL Site Support Services, Planning, Locating and Mapping Section; 06 January 2004; as published 10 September 2007.   |
| Structure                    | Structures; LANL, KSL Site Support Services, Planning, Locating and Mapping Section; 06 January 2004; as published 10 September 2007.                                  |
| TA boundary                  | Technical Area Boundaries; LANL, Site Planning & Project Initiation Group, Infrastructure Planning Division; 19 September 2007.                                        |
| Unpaved road                 | Dirt Road Arcs; LANL, KSL Site Support Services, Planning, Locating and Mapping Section; 06 January 2004; as published 10 September 2007.                              |
| Vapor monitoring well        | Point Feature Locations of the Environmental Restoration Project Database; LANL, Environment and Remediation Support Services Division, EP2007-0754; 30 November 2007. |





**Figure 1.0-1** Location of MDA L in TA-54 with respect to Laboratory TAs and surrounding land holdings

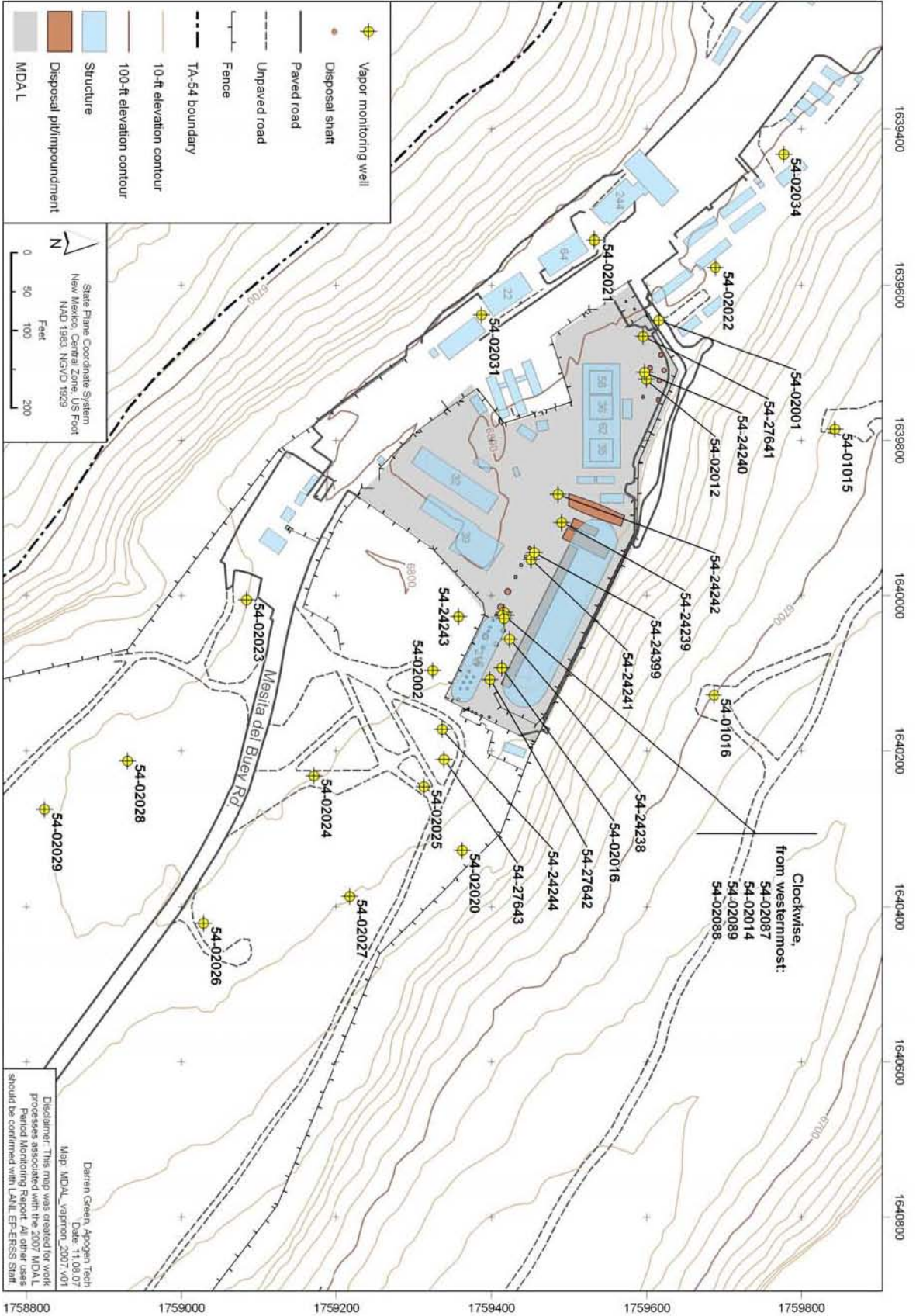
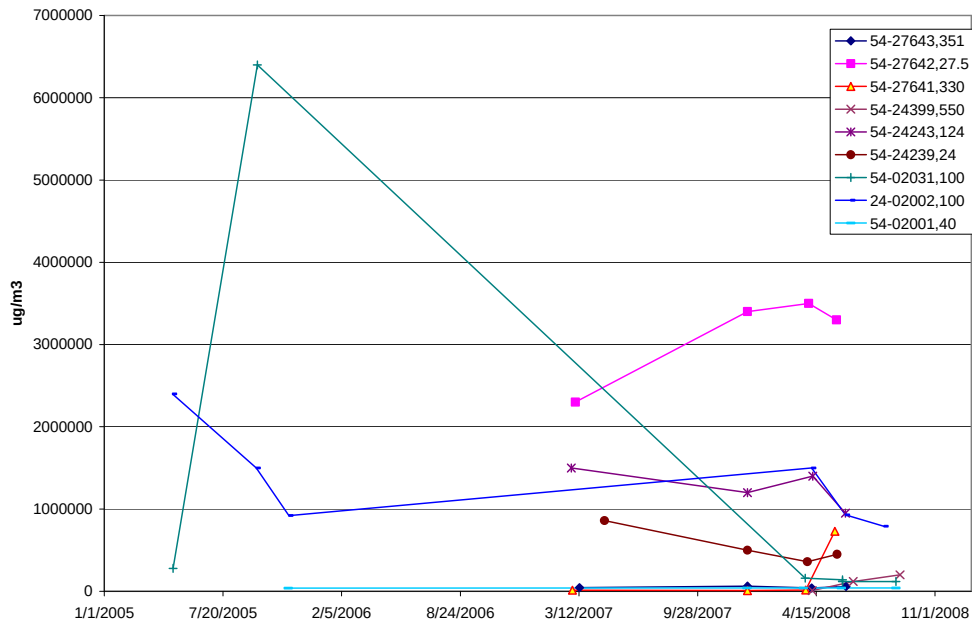
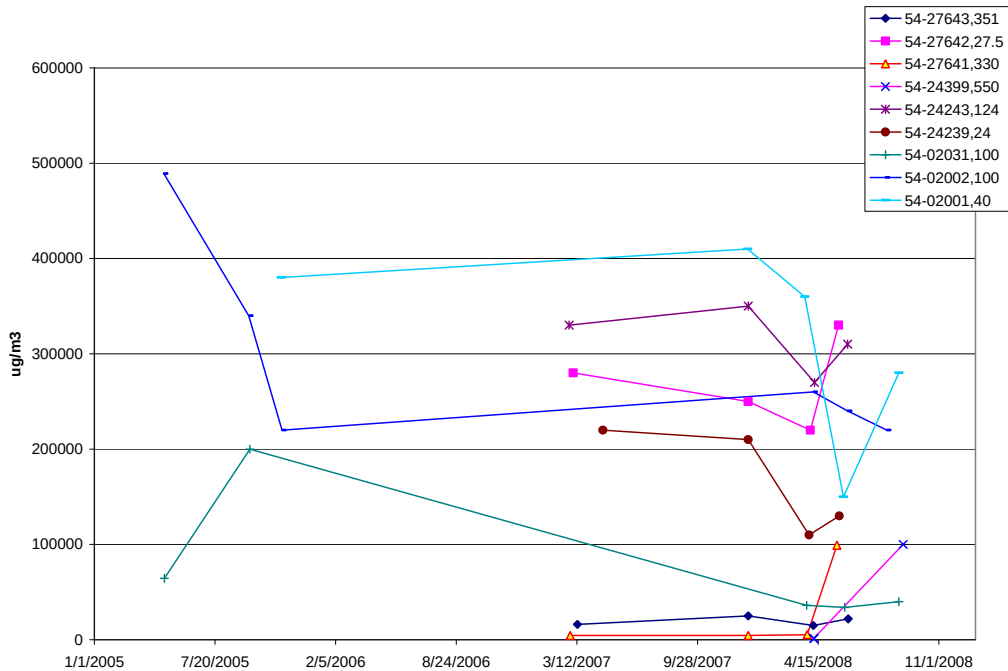


Figure 1.0-2 Locations of MDA L pore-gas monitoring boreholes

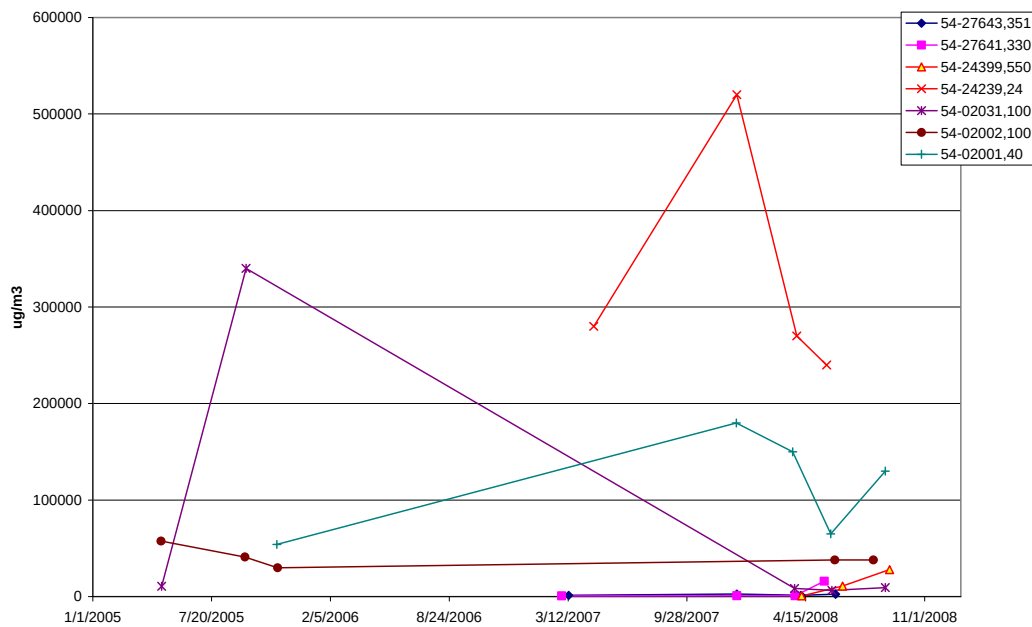




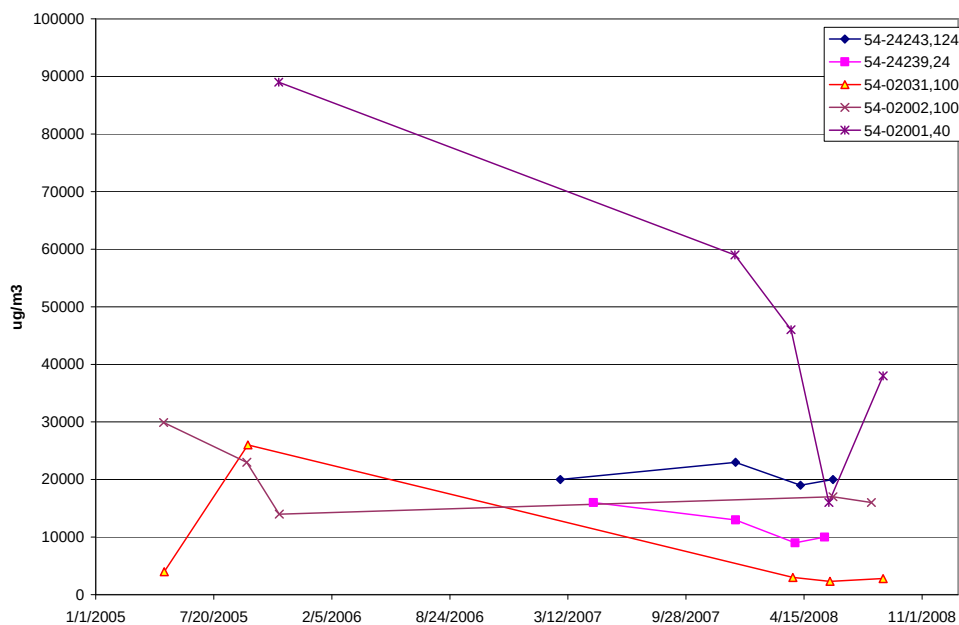
**Figure 5.1-1 Trends in detected TCA concentrations from TO-15 analyses collected from 2005 to 2008**



**Figure 5.1-2 Trends in detected TCE concentrations from TO-15 analyses collected from 2005 to 2008**

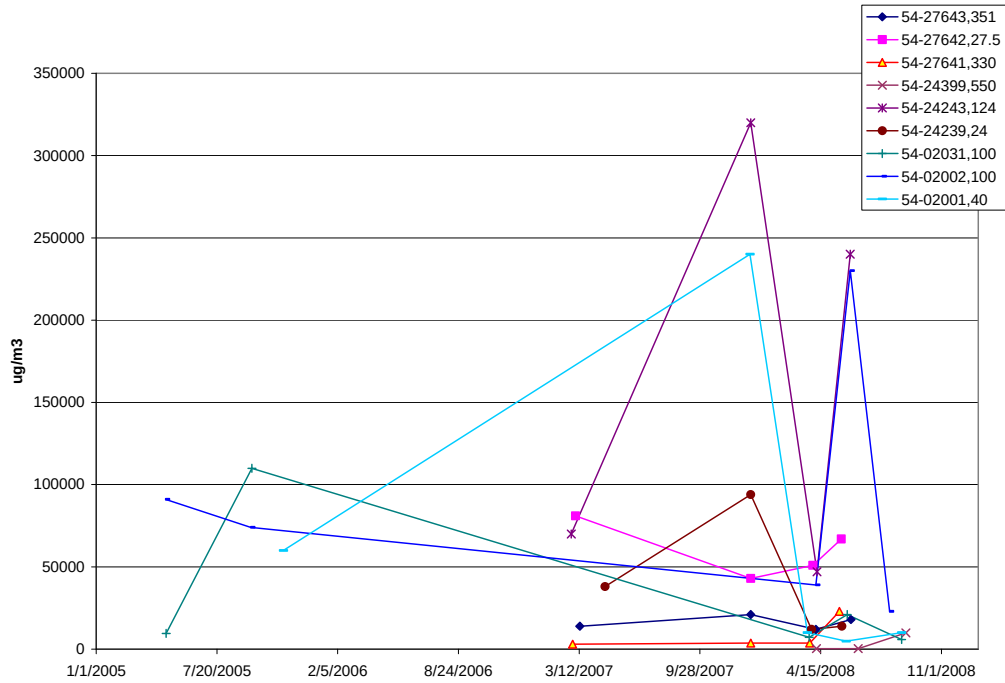


**Figure 5.1-3 Trends in detected PCE concentrations from TO-15 analyses collected from 2005 to 2008**

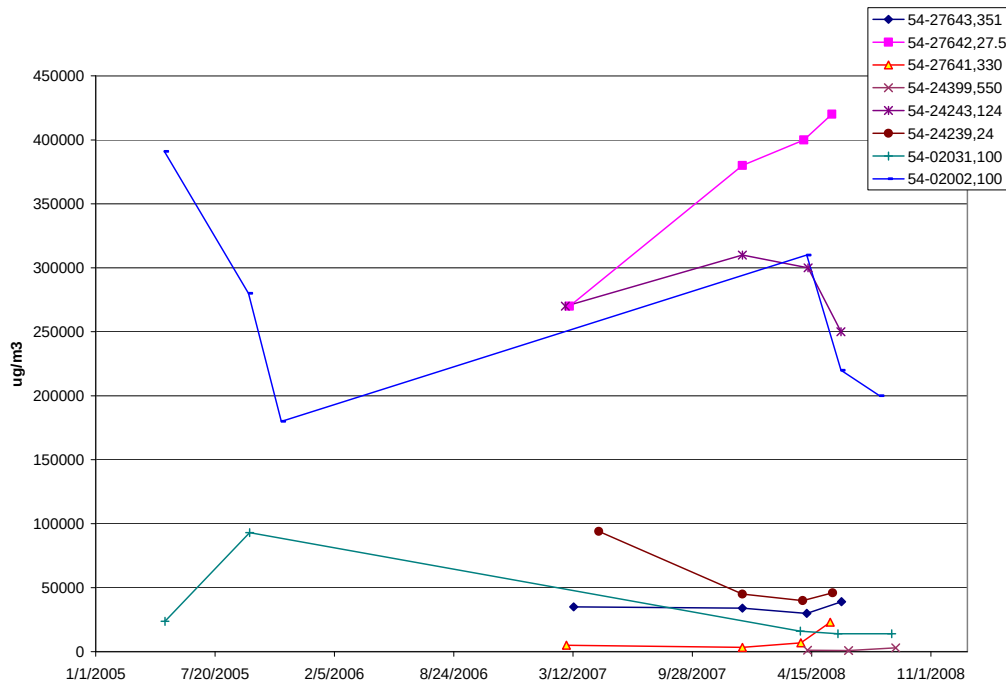


**Figure 5.1-4 Trends in detected DCA concentrations from TO-15 analyses collected from 2005 to 2008**





**Figure 5.1-5 Trends in detected DCE concentrations from TO-15 analyses collected from 2005 to 2008**



**Figure 5.1-6 Trends in detected 1,1,2-trichloro-1,2,2-trifluoroethane concentrations from TO-15 analyses collected from 2005 to 2008 concentrations**



**Table 1.0-1**  
**NMED-Approved MDA L**  
**Subsurface Vapor-Monitoring Locations**

| Location ID           | VOC Sampling Locations                                                           | Tritium Sampling Locations                                                       |
|-----------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 54-01015              | 37.6, 165.4, 308.3, 333.3, 337.7, 426.5, 462.1                                   | 37.6, 165.4, 308.3, 333.3, 337.7, 426.5, 462.1                                   |
| 54-01016              | 30.8, 162.2, 274.7, 336.3, 414.3, 459.5, 517.6                                   | 30.8, 162.2, 274.7, 336.3, 414.3, 459.5, 517.6                                   |
| 54-02001              | 20, <b>40</b> , 60, <b>80</b> , 100, <b>120</b> , <b>140</b> , 160, 180, 200     | 20, <b>40</b> , 60, <b>80</b> , 100, <b>120</b> , <b>140</b> , 160, 180, 200     |
| 54-02002              | 20, <b>40</b> , 60, 80, <b>100</b> , <b>120</b> , 140, 157, <b>180</b> , 200     | 20, <b>40</b> , 60, 80, <b>100</b> , <b>120</b> , 140, 157, <b>180</b> , 200     |
| 54-02016              | 18, <b>31</b> , <b>82</b>                                                        | 18, <b>31</b> , <b>82</b>                                                        |
| 54-02020              | 20, 40, 60, 80, 95, 120, 140, 160, 180, 200                                      | 20, 40, 60, 80, 95, 120, 140, 160, 180, 200                                      |
| 54-02021              | <b>20</b> , 40, 60, 80, <b>100</b> , <b>120</b> , <b>140</b> , 160, 180, 198     | <b>20</b> , 40, 60, 80, <b>100</b> , <b>120</b> , <b>140</b> , 160, 180, 198     |
| 54-02022              | 20, <b>40</b> , 60, <b>80</b> , 100, <b>120</b> , <b>140</b> , 160, 180, 200     | 20, <b>40</b> , 60, <b>80</b> , 100, <b>120</b> , <b>140</b> , 160, 180, 200     |
| 54-02023              | 20, <b>40</b> , 60, 80, <b>100</b> , <b>120</b> , 140, <b>159</b> , 180, 200     | 20, <b>40</b> , 60, 80, <b>100</b> , <b>120</b> , 140, <b>159</b> , 180, 200     |
| 54-02024              | 20, <b>40</b> , 60, 80, <b>100</b> , <b>120</b> , 140, <b>160</b> , 180, 200     | 20, <b>40</b> , 60, 80, <b>100</b> , <b>120</b> , 140, <b>160</b> , 180, 200     |
| 54-02025              | <b>20</b> , 60, <b>100</b> , <b>160</b> , 190                                    | <b>20</b> , 60, <b>100</b> , <b>160</b> , 190                                    |
| 54-02026              | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 215                               | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 215                               |
| 54-02027              | <b>20</b> , 60, <b>100</b> , 160, <b>200</b> , 220, 250                          | <b>20</b> , 60, <b>100</b> , 160, <b>200</b> , 220, 250                          |
| 54-02028              | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 220, 250                          | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 220, 250                          |
| 54-02031              | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 220, <b>260</b>                   | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 220, <b>260</b>                   |
| 54-02034              | <b>20</b> , <b>60</b> , 100, <b>160</b> , 200, 220, <b>260</b> , <b>300</b>      | <b>20</b> , <b>60</b> , 100, <b>160</b> , 200, 220, <b>260</b> , <b>300</b>      |
| 54-02089              | 13, <b>31</b> , <b>46</b> , 86                                                   | 13, <b>31</b> , <b>46</b> , 86                                                   |
| 54-24238              | 44, <b>64</b> , 84                                                               | 44, <b>64</b> , 84                                                               |
| 54-24239              | <b>25</b> , 50, <b>75</b> , 99.5                                                 | <b>25</b> , 50, <b>75</b> , 99.5                                                 |
| 54-24240              | <b>28</b> , <b>53</b> , 78, 103, <b>128</b> , <b>153</b>                         | <b>28</b> , <b>53</b> , 78, 103, <b>128</b> , <b>153</b>                         |
| 54-24241              | <b>73</b> , 93, <b>113</b> , <b>133</b> , 153, 173, 193                          | <b>73</b> , 93, <b>113</b> , <b>133</b> , 153, 173, 193                          |
| 54-24242              | <b>25</b> , <b>50</b> , 75, 100, 110.5                                           | <b>25</b> , <b>50</b> , 75, 100, 110.5                                           |
| 54-24243              | <b>25</b> , 50, <b>75</b> , 100, <b>125</b>                                      | <b>25</b> , 50, <b>75</b> , 100, <b>125</b>                                      |
| 54-24244 <sup>a</sup> | <b>25</b> , 50, 75, <b>100</b> , <b>118.5</b>                                    | <b>25</b> , 50, 75, <b>100</b> , <b>118.5</b>                                    |
| 54-24399 <sup>b</sup> | <b>505-608</b>                                                                   | <b>505-608</b>                                                                   |
| 54-27641              | <b>32</b> , <b>82</b> , <b>115</b> , <b>182</b> , 232, <b>271</b> , <b>332.5</b> | <b>32</b> , <b>82</b> , <b>115</b> , <b>182</b> , 232, <b>271</b> , <b>332.5</b> |
| 54-27642              | <b>30</b> , <b>75</b> , <b>116</b> , <b>175</b> , 235, <b>275</b> , <b>338</b>   | <b>30</b> , <b>75</b> , <b>116</b> , <b>175</b> , 235, <b>275</b> , <b>338</b>   |
| 54-27643              | <b>30</b> , <b>74</b> , <b>117</b> , <b>167</b> , 235, <b>275</b> , <b>354</b>   | <b>30</b> , <b>74</b> , <b>117</b> , <b>167</b> , 235, <b>275</b> , <b>354</b>   |

Note: Bolded depths denote locations of SUMMA and/or tritium samples to be collected.

<sup>a</sup> FLUTe system damaged; no samples collected.

<sup>b</sup> Open borehole.

**Table 2.0-1**  
**First Quarter FY2008 MDA L**  
**Subsurface Vapor-Monitoring Locations**

| Location ID           | Screening Conducted | VOC Sampling Pore Depth                                                                         | Tritium Sampling Pore Depth                                                             |
|-----------------------|---------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 54-01015              | No                  | 37.6, 165.4, 308.3 <sup>a</sup> , 333.3, 337.7, 426.5, 462.1                                    | 37.6, 165.4, 308.3 <sup>b</sup> , 333.3, 337.7, 426.5, 462.1                            |
| 54-01016              | No                  | 30.8, 162.2, 274.7, 336.3, 414.3 <sup>b</sup> , 459.5 <sup>a</sup> , 517.6 <sup>a</sup>         | 30.8, 162.2, 274.7, 336.3, 414.3 <sup>a</sup> , 459.5 <sup>a</sup> , 517.6 <sup>a</sup> |
| 54-02001              | Yes                 | 20, <b>40</b> , 60 <sup>a</sup> , 80, <b>100, 120</b> , 140, 160, 180 <sup>a</sup> , <b>200</b> | 20, 40, 60 <sup>a</sup> , 80, 100, 120, 140, 160, 180 <sup>a</sup> , 200                |
| 54-02002              | Yes                 | 20 <sup>a</sup> , 40, 60, 80, 100, 120, 140, 157, 180, 200                                      | 20 <sup>a</sup> , 40, 60, 80, 100, 120, 140, 160, 180, 200                              |
| 54-02016              | Yes                 | 18 <sup>a</sup> , 31, 82 <sup>a</sup>                                                           | 18 <sup>a</sup> , 31, 82 <sup>a</sup>                                                   |
| 54-02020              | No                  | 20, 40, 60, 80, 95, 120, 140, 160, 180, 200                                                     | 20, 40, 60, 80, 95, 120, 140, 160, 180, 200                                             |
| 54-02021              | Yes                 | 20, 40 <sup>a</sup> , 60, 80 <sup>a</sup> , 100, 120 <sup>a</sup> , 140, 160, 180, 198          | 20, 40 <sup>a</sup> , 60, 80 <sup>a</sup> , 100, 120 <sup>a</sup> , 140, 160, 180, 198  |
| 54-02022              | Yes                 | 20 <sup>a</sup> , <b>40</b> , 60, 80, <b>100, 120</b> , 140, 160, 180, <b>200</b>               | 20 <sup>a</sup> , 40, 60, 80, 100, 120, 140, 160, 180, 200                              |
| 54-02023              | No                  | 20, 40, 60, 80, 100, 120, 140, 159, 180, 200                                                    | 20, 40, 60, 80, 100, 120, 140, 159, 180, 200                                            |
| 54-02024              | Yes                 | 20, 40, 60, 80, 100, 120, 140, 160, 180, 200                                                    | 20, 40, 60, 80, 100, 120, 140, 160, 180, 200                                            |
| 54-02025              | Yes                 | 20, 60 <sup>a</sup> , 100, 160, 190                                                             | 20, 60 <sup>a</sup> , 100, 160, 190                                                     |
| 54-02026              | No                  | 20, 60, 100, 160, 200, 215                                                                      | 20, 60, 100, 160, 200, 215                                                              |
| 54-02027              | Yes                 | 20, 60, 100, 160, 200, 220, 250                                                                 | 20, 60, 100, 160, 200, 220, 250                                                         |
| 54-02028              | No                  | 20, 60, 100, 160, 200, 220, 250                                                                 | 20, 60, 100, 160, 200, 220, 250                                                         |
| 54-02031              | Yes                 | 20, 60, 100, 160, 200, 220, 260                                                                 | 20, 60, 100, 160, 200, 220, 260                                                         |
| 54-02034              | Yes                 | 20, 60, 100, 160, 200, 220, 260, 300                                                            | 20, 60, 100, 160, 200, 220, 260, 300                                                    |
| 54-02089              | Yes                 | 13, 31, 46, 86                                                                                  | 13, 31, 46, 86                                                                          |
| 54-24238              | Yes                 | 44, 64, <b>84</b>                                                                               | 44, 64, 84                                                                              |
| 54-24239              | Yes                 | <b>25</b> , 50, 75, <b>99.5</b>                                                                 | 25, 50, 75, 99.5                                                                        |
| 54-24240              | Yes                 | <b>28</b> , 53, 78, <b>103, 128, 153</b>                                                        | 28, 53, 78, 103, 128, 153                                                               |
| 54-24241              | Yes                 | 73, <b>93, 113</b> , 133, 153, 173, <b>193</b>                                                  | 73, 93, 113, 133, 153, 173, 193                                                         |
| 54-24242              | Yes                 | <b>25</b> , 50, 75, <b>100</b> , 110.5                                                          | 25, 50, 75, 100, 110.5                                                                  |
| 54-24243              | Yes                 | <b>25</b> , 50, 75, <b>100, 125</b>                                                             | 25, 50, 75, 100, 125                                                                    |
| 54-24244 <sup>b</sup> | No                  | 25, 50, 75, 100, 118.5                                                                          | 25, 50, 75, 100, 118.5                                                                  |
| 54-24399 <sup>c</sup> | No                  | 505–608                                                                                         | 505–608                                                                                 |
| 54-27641              | Yes                 | <b>32, 82, 115, 182, 232, 271, 332.5</b>                                                        | <b>32, 82, 115, 182, 232, 271, 332.5</b>                                                |
| 54-27642              | Yes                 | <b>30, 75, 116, 175, 235, 275, 338</b>                                                          | <b>30, 75, 116, 175, 235, 275, 338</b>                                                  |
| 54-27643              | Yes                 | <b>30, 74, 117, 167, 235, 275, 354</b>                                                          | <b>30, 74, 117, 167, 235, 275, 354</b>                                                  |

Note: Bolded depths denote locations of SUMMA and/or tritium samples collected during the first quarter of FY2008.

<sup>a</sup> Blocked port.

<sup>b</sup> FLUTE system damaged; no samples collected.

<sup>c</sup> Open borehole.

**Table 2.0-2**  
**Second Quarter FY2008**  
**MDA L Subsurface Vapor-Monitoring Locations**

| Location ID           | Screening Conducted | VOC Sampling Pore Depth                                                                                               | Tritium Sampling Pore Depth                                                                                           |
|-----------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 54-01015              | No                  | 37.6, 165.4, 308.3 <sup>a</sup> , 333.3, 337.7, 426.5, 462.1                                                          | 37.6, 165.4, 308.3 <sup>a</sup> , 333.3, 337.7, 426.5, 462.1                                                          |
| 54-01016              | No                  | 30.8, 162.2, 274.7, 336.3, 414.3 <sup>a</sup> , 459.5 <sup>a</sup> , 517.6 <sup>a</sup>                               | 30.8, 162.2, 274.7, 336.3, 414.3 <sup>a</sup> , 459.5 <sup>a</sup> , 517.6 <sup>a</sup>                               |
| 54-02001              | Yes                 | 20, <b>40</b> , 60 <sup>a</sup> , 80, <b>100</b> , 120, <b>140</b> , 160, 180 <sup>a</sup> , <b>200</b>               | 20, <b>40</b> , 60 <sup>a</sup> , 80, <b>100</b> , 120, <b>140</b> , 160, 180 <sup>a</sup> , <b>200</b>               |
| 54-02002              | Yes                 | 20 <sup>a</sup> , 40, <b>60</b> , 80, <b>100</b> , <b>120</b> , 140, 157, 180, <b>200</b>                             | 20 <sup>a</sup> , 40, <b>60</b> , 80, <b>100</b> , <b>120</b> , 140, 160, 180, <b>200</b>                             |
| 54-02016              | Yes                 | 18 <sup>a</sup> , <b>31</b> , 82 <sup>a</sup>                                                                         | 18 <sup>a</sup> , <b>31</b> , 82 <sup>a</sup>                                                                         |
| 54-02020              | No                  | 20, 40, 60, 80, 95, 120, 140, 160, 180, 200                                                                           | 20, 40, 60, 80, 95, 120, 140, 160, 180, 200                                                                           |
| 54-02021              | Yes                 | 20, 40 <sup>a</sup> , <b>60</b> , 80 <sup>a</sup> , <b>100</b> , 120 <sup>a</sup> , <b>140</b> , 160, 180, <b>198</b> | 20, 40 <sup>a</sup> , <b>60</b> , 80 <sup>a</sup> , <b>100</b> , 120 <sup>a</sup> , <b>140</b> , 160, 180, <b>198</b> |
| 54-02022              | Yes                 | <b>20</b> , 40, 60, 80, 100 <sup>a</sup> , <b>120</b> , 140, 160, 180, <b>200</b>                                     | 20, 40, 60, 80, 100 <sup>a</sup> , 120, 140, 160, 180, 200                                                            |
| 54-02023              | Yes                 | 20, <b>40</b> , 60, 80, <b>100</b> , <b>120</b> , 140, 159, 180 <sup>a</sup> , <b>200</b>                             | 20, <b>40</b> , 60, 80, <b>100</b> , <b>120</b> , 140, 159, 180 <sup>a</sup> , <b>200</b>                             |
| 54-02024              | Yes                 | 20, <b>40</b> , 60, 80, <b>100</b> , 120 <sup>a</sup> , 140 <sup>a</sup> , <b>160</b> , 180, <b>200</b>               | 20, <b>40</b> , 60, 80, <b>100</b> , 120 <sup>a</sup> , 140 <sup>a</sup> , <b>160</b> , 180, <b>200</b>               |
| 54-02025              | Yes                 | <b>20</b> , 60 <sup>a</sup> , <b>100</b> , 160, <b>190</b>                                                            | <b>20</b> , 60 <sup>a</sup> , <b>100</b> , 160, <b>190</b>                                                            |
| 54-02026              | Yes                 | <b>20</b> , 60, <b>100</b> , 160, 200, <b>215</b>                                                                     | <b>20</b> , 60, <b>100</b> , 160, 200, <b>215</b>                                                                     |
| 54-02027              | Yes                 | <b>20</b> , 60, <b>100</b> , 160, 200, 220, <b>250</b>                                                                | <b>20</b> , 60, <b>100</b> , 160, 200, 220, <b>250</b>                                                                |
| 54-02028              | Yes                 | <b>20</b> , 60, <b>100</b> , 160, 200, 220, <b>250</b>                                                                | <b>20</b> , 60, <b>100</b> , 160, 200, 220, <b>250</b>                                                                |
| 54-02031              | Yes                 | <b>20</b> , 60, <b>100</b> , 160, 200, 220 <sup>a</sup> , <b>260</b>                                                  | <b>20</b> , 60, <b>100</b> , 160, <b>200</b> , 220 <sup>a</sup> , <b>260</b>                                          |
| 54-02034              | Yes                 | <b>20</b> , 60, <b>100</b> , 160, 200, <b>220</b> , <b>260</b> , <b>300</b>                                           | 20, 60, 100, 160, 200, 220, 260, 300                                                                                  |
| 54-02089              | Yes                 | 13, <b>31</b> , 46, <b>86</b>                                                                                         | 13, <b>31</b> , 46, <b>86</b>                                                                                         |
| 54-24238              | Yes                 | 44, 64, <b>84</b>                                                                                                     | 44, 64, <b>84</b>                                                                                                     |
| 54-24239              | Yes                 | <b>25</b> , 50, 75, <b>99.5</b>                                                                                       | <b>25</b> , 50, 75, <b>99.5</b>                                                                                       |
| 54-24240              | Yes                 | <b>28</b> , 53, 78, <b>103</b> , <b>128</b> , <b>153</b>                                                              | <b>28</b> , 53, 78, <b>103</b> , <b>128</b> , <b>153</b>                                                              |
| 54-24241              | Yes                 | 73, <b>93</b> , <b>113</b> , 133, 153, 173, <b>193</b>                                                                | 73, <b>93</b> , <b>113</b> , 133, 153, 173, <b>193</b>                                                                |
| 54-24242              | Yes                 | <b>25</b> , 50, 75, 100, <b>110.5</b>                                                                                 | <b>25</b> , 50, 75, 100, <b>110.5</b>                                                                                 |
| 54-24243              | Yes                 | <b>25</b> , 50, 75, <b>100</b> , <b>125</b>                                                                           | <b>25</b> , 50, 75, <b>100</b> , <b>125</b>                                                                           |
| 54-24244 <sup>b</sup> | No                  | 25, 50, 75, 100, 118.5                                                                                                | 25, 50, 75, 100, 118.5                                                                                                |
| 54-24399 <sup>c</sup> | Yes                 | <b>505–608</b>                                                                                                        | 505–608                                                                                                               |
| 54-27641              | Yes                 | <b>32</b> , <b>82</b> , <b>115</b> , 182, <b>232</b> , <b>271</b> , <b>332.5</b>                                      | <b>32</b> , <b>82</b> , <b>115</b> , 182, <b>232</b> , <b>271</b> , <b>332.5</b>                                      |
| 54-27642              | Yes                 | <b>30</b> , <b>75</b> , <b>116</b> , 175, <b>235</b> , <b>275</b> , <b>338</b>                                        | <b>30</b> , <b>75</b> , <b>116</b> , 175, <b>235</b> , <b>275</b> , <b>338</b>                                        |
| 54-27643              | Yes                 | <b>30</b> , <b>74</b> , <b>117</b> , 167, <b>235</b> , <b>275</b> , <b>354</b>                                        | <b>30</b> , <b>74</b> , <b>117</b> , 167, <b>235</b> , <b>275</b> , <b>354</b>                                        |

Note: Bolded depths denote locations of SUMMA and/or tritium samples collected during the second quarter of FY2008.

<sup>a</sup> Blocked port.

<sup>b</sup> FLUTE system damaged; no samples collected.

<sup>c</sup> Open borehole.

**Table 2.0-3**  
**Third Quarter FY2008**  
**MDA L Subsurface Vapor-Monitoring Locations**

| Location ID           | Screening Conducted | VOC Sampling Pore Depth                                                                                                | Tritium Sampling Pore Depth                                                                                            |
|-----------------------|---------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 54-01015              | Yes                 | 37.6, 165.4, 308.3 <sup>a</sup> , 333.3, 337.7, 426.5, 462.1                                                           | 37.6, 165.4, 308.3 <sup>a</sup> , 333.3, 337.7, 426.5, 462.1                                                           |
| 54-01016              | Yes                 | 30.8, 162.2, 274.7, 336.3, 414.3 <sup>a</sup> , 459.5 <sup>a</sup> , 517.6 <sup>a</sup>                                | 30.8, 162.2, 274.7, 336.3, 414.3 <sup>a</sup> , 459.5 <sup>a</sup> , 517.6 <sup>a</sup>                                |
| 54-02001              | Yes                 | 20, <b>40</b> , 60 <sup>a</sup> , <b>80</b> , 100, <b>120</b> , <b>140</b> , 160 <sup>a</sup> , 180 <sup>a</sup> , 200 | 20, <b>40</b> , 60 <sup>a</sup> , <b>80</b> , 100, <b>120</b> , <b>140</b> , 160 <sup>a</sup> , 180 <sup>a</sup> , 200 |
| 54-02002              | Yes                 | 20 <sup>a</sup> , 40 <sup>a</sup> , <b>60</b> , 80 <sup>a</sup> , <b>100</b> , <b>120</b> , 140, 157, <b>180</b> , 200 | 20 <sup>a</sup> , 40 <sup>a</sup> , <b>60</b> , 80 <sup>a</sup> , <b>100</b> , <b>120</b> , 140, 160, <b>180</b> , 200 |
| 54-02016              | Yes                 | 18 <sup>a</sup> , <b>31</b> , <b>82</b>                                                                                | 18 <sup>a</sup> , <b>31</b> , <b>82</b>                                                                                |
| 54-02020              | No                  | 20, 40, 60, 80, 95, 120, 140, 160, 180, 200                                                                            | 20, 40, 60, 80, 95, 120, 140, 160, 180, 200                                                                            |
| 54-02021              | Yes                 | <b>20</b> , 40 <sup>a</sup> , 60, 80, <b>100</b> , <b>120</b> , <b>140</b> , 160, 180, 198                             | 20, 40 <sup>a</sup> , 60, 80, 100, 120, 140, 160, 180, 198                                                             |
| 54-02022              | Yes                 | 20, <b>40</b> , 60, <b>80</b> , 100 <sup>a</sup> , <b>120</b> , <b>140</b> , 160, 180, 200                             | 20, <b>40</b> , 60, <b>80</b> , 100 <sup>a</sup> , <b>120</b> , <b>140</b> , 160, 180, 200                             |
| 54-02023              | Yes                 | 20, <b>40</b> , 60, 80, <b>100</b> , <b>120</b> , 140, <b>159</b> , 180 <sup>a</sup> , 200                             | 20, <b>40</b> , 60, 80, <b>100</b> , <b>120</b> , 140, <b>159</b> , 180 <sup>a</sup> , 200                             |
| 54-02024              | Yes                 | 20, <b>40</b> , 60, 80, <b>100</b> , 120 <sup>a</sup> , <b>140</b> , <b>160</b> , 180, 200                             | 20, <b>40</b> , 60, 80, <b>100</b> , 120 <sup>a</sup> , <b>140</b> , <b>160</b> , 180, 200                             |
| 54-02025              | Yes                 | <b>20</b> , 60 <sup>a</sup> , <b>100</b> , <b>160</b> , 190                                                            | <b>20</b> , 60 <sup>a</sup> , <b>100</b> , <b>160</b> , 190                                                            |
| 54-02026              | Yes                 | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 215                                                                     | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 215                                                                     |
| 54-02027              | Yes                 | <b>20</b> , 60, <b>100</b> , 160, <b>200</b> , 220, 250                                                                | <b>20</b> , 60, <b>100</b> , 160, <b>200</b> , 220, 250                                                                |
| 54-02028              | Yes                 | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 220, 250                                                                | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 220, 250                                                                |
| 54-02031              | Yes                 | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 220 <sup>a</sup> , <b>260</b>                                           | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 220 <sup>a</sup> , <b>260</b>                                           |
| 54-02034              | Yes                 | <b>20</b> , <b>60</b> , 100, <b>160</b> , 200, 220, <b>260</b> , <b>300</b>                                            | <b>20</b> , <b>60</b> , 100, <b>160</b> , 200, 220, <b>260</b> , <b>300</b>                                            |
| 54-02089              | Yes                 | 13, <b>31</b> , <b>46</b> , 86                                                                                         | 13, <b>31</b> , <b>46</b> , 86                                                                                         |
| 54-24238              | Yes                 | 44, <b>64</b> , 84                                                                                                     | 44, <b>64</b> , 84                                                                                                     |
| 54-24239              | Yes                 | <b>25</b> , 50, <b>75</b> , 99.5                                                                                       | <b>25</b> , 50, <b>75</b> , 99.5                                                                                       |
| 54-24240              | Yes                 | <b>28</b> , <b>53</b> , 78, 103, <b>128</b> , <b>153</b>                                                               | <b>28</b> , <b>53</b> , 78, 103, <b>128</b> , <b>153</b>                                                               |
| 54-24241              | Yes                 | <b>73</b> , 93, <b>113</b> , <b>133</b> , 153, 173, 193                                                                | <b>73</b> , 93, <b>113</b> , <b>133</b> , 153, 173, 193                                                                |
| 54-24242              | Yes                 | <b>25</b> , <b>50</b> , 75, 100, 110.5                                                                                 | <b>25</b> , <b>50</b> , 75, 100, 110.5                                                                                 |
| 54-24243              | Yes                 | <b>25</b> , 50, <b>75</b> , 100, <b>125</b>                                                                            | <b>25</b> , 50, <b>75</b> , 100, <b>125</b>                                                                            |
| 54-24244 <sup>b</sup> | No                  | 25, 50, 75, 100, 118.5                                                                                                 | 25, 50, 75, 100, 118.5                                                                                                 |
| 54-24399 <sup>c</sup> | Yes                 | <b>505–608</b>                                                                                                         | <b>505–608</b>                                                                                                         |
| 54-27641              | Yes                 | <b>32</b> , <b>82</b> , <b>115</b> , <b>182</b> , 232, <b>271</b> , <b>332.5</b>                                       | <b>32</b> , <b>82</b> , <b>115</b> , <b>182</b> , 232, <b>271</b> , <b>332.5</b>                                       |
| 54-27642              | Yes                 | <b>30</b> , <b>75</b> , <b>116</b> , <b>175</b> , 235, <b>275</b> , <b>338</b>                                         | <b>30</b> , <b>75</b> , <b>116</b> , <b>175</b> , 235, <b>275</b> , <b>338</b>                                         |
| 54-27643              | Yes                 | <b>30</b> , <b>74</b> , <b>117</b> , <b>167</b> , 235, <b>275</b> , <b>354</b>                                         | <b>30</b> , <b>74</b> , <b>117</b> , <b>167</b> , 235, <b>275</b> , <b>354</b>                                         |

Note: Bolded depths denote locations of SUMMA and/or tritium samples collected during the third quarter of FY2008.

<sup>a</sup> Blocked port.

<sup>b</sup> FLUTE system damaged; no samples collected.

<sup>c</sup> Open borehole.

**Table 2.0-4**  
**Fourth Quarter FY2008**  
**MDA L Subsurface Vapor-Monitoring Locations**

| Location ID           | Screening Conducted | VOC Sampling Pore Depth                                                                                                | Tritium Sampling Pore Depth                                                                                            |
|-----------------------|---------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 54-01015              | No                  | 37.6, 165.4, 308.3 <sup>a</sup> , 333.3, 337.7, 426.5, 462.1                                                           | 37.6, 165.4, 308.3 <sup>a</sup> , 333.3, 337.7, 426.5, 462.1                                                           |
| 54-01016              | No                  | 30.8, 162.2, 274.7, 336.3, 414.3 <sup>a</sup> , 459.5 <sup>a</sup> , 517.6 <sup>a</sup>                                | 30.8, 162.2, 274.7, 336.3, 414.3 <sup>a</sup> , 459.5 <sup>a</sup> , 517.6 <sup>a</sup>                                |
| 54-02001              | Yes                 | 20, <b>40</b> , 60 <sup>a</sup> , <b>80</b> , 100, <b>120</b> , <b>140</b> , 160 <sup>a</sup> , 180 <sup>a</sup> , 200 | 20, <b>40</b> , 60 <sup>a</sup> , <b>80</b> , 100, <b>120</b> , <b>140</b> , 160 <sup>a</sup> , 180 <sup>a</sup> , 200 |
| 54-02002              | Yes                 | 20 <sup>a</sup> , <b>40</b> , 60, 80 <sup>a</sup> , <b>100</b> , <b>120</b> , 140, 157, <b>180</b> , 200               | 20 <sup>a</sup> , 40, 60, 80 <sup>a</sup> , 100, 120, 140, 160, 180, 200                                               |
| 54-02016              | Yes                 | <b>18</b> , <b>31</b> , 82                                                                                             | <b>18</b> , <b>31</b> , 82                                                                                             |
| 54-02020              | No                  | 20, 40, 60, 80, 95, 120, 140, 160, 180, 200                                                                            | 20, 40, 60, 80, 95, 120, 140, 160, 180, 200                                                                            |
| 54-02021              | Yes                 | <b>20</b> , 40, 60, 80, <b>100</b> , <b>120</b> , <b>140</b> , 160, 180, 198                                           | <b>20</b> , 40, 60, 80, <b>100</b> , <b>120</b> , <b>140</b> , 160, 180, 198                                           |
| 54-02022              | Yes                 | 20, <b>40</b> , 60, <b>80</b> , 100, <b>120</b> , <b>140</b> , 160, 180, 200                                           | 20, <b>40</b> , 60, <b>80</b> , 100, <b>120</b> , <b>140</b> , 160, 180, 200                                           |
| 54-02023              | Yes                 | 20, <b>40</b> , 60, 80, <b>100</b> , <b>120</b> , 140, <b>159</b> , 180, 200                                           | 20, <b>40</b> , 60, 80, <b>100</b> , <b>120</b> , 140, <b>159</b> , 180, 200                                           |
| 54-02024              | Yes                 | 20, <b>40</b> , 60, 80, <b>100</b> , 120 <sup>a</sup> , <b>140</b> , <b>160</b> , 180, 200                             | 20, <b>40</b> , 60, 80, <b>100</b> , 120 <sup>a</sup> , <b>140</b> , <b>160</b> , 180, 200                             |
| 54-02025              | Yes                 | <b>20</b> , 60, <b>100</b> , <b>160</b> , 190                                                                          | 20, 60, 100, 160, 190                                                                                                  |
| 54-02026              | Yes                 | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 215                                                                     | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 215                                                                     |
| 54-02027              | Yes                 | <b>20</b> , 60, <b>100</b> , 160, <b>200</b> , 220, 250                                                                | <b>20</b> , 60, <b>100</b> , 160, <b>200</b> , 220, 250                                                                |
| 54-02028              | Yes                 | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 220, 250                                                                | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 220, 250                                                                |
| 54-02031              | Yes                 | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 220, <b>260</b>                                                         | <b>20</b> , 60, <b>100</b> , <b>160</b> , 200, 220, <b>260</b>                                                         |
| 54-02034              | Yes                 | <b>20</b> , <b>60</b> , 100, <b>160</b> , 200, 220, <b>260</b> , <b>300</b>                                            | <b>20</b> , <b>60</b> , 100, <b>160</b> , 200, 220, <b>260</b> , <b>300</b>                                            |
| 54-02089              | Yes                 | <b>13</b> , 31, <b>46</b> , 86                                                                                         | <b>13</b> , 31, <b>46</b> , 86                                                                                         |
| 54-24238              | Yes                 | 44, <b>64</b> , 84                                                                                                     | 44, <b>64</b> , 84                                                                                                     |
| 54-24239              | Yes                 | <b>25</b> , 50, <b>75</b> , 99.5                                                                                       | <b>25</b> , 50, <b>75</b> , 99.5                                                                                       |
| 54-24240              | Yes                 | <b>28</b> , <b>53</b> , 78, 103, <b>128</b> , <b>153</b>                                                               | <b>28</b> , <b>53</b> , 78, 103, <b>128</b> , <b>153</b>                                                               |
| 54-24241              | Yes                 | <b>73</b> , 93, <b>113</b> , <b>133</b> , 153, 173, 193                                                                | <b>73</b> , 93, <b>113</b> , <b>133</b> , 153, 173, 193                                                                |
| 54-24242              | Yes                 | <b>25</b> , <b>50</b> , 75, 100, 110.5                                                                                 | <b>25</b> , <b>50</b> , 75, 100, 110.5                                                                                 |
| 54-24243              | Yes                 | <b>25</b> , 50, <b>75</b> , 100, <b>125</b>                                                                            | 25, 50, 75, 100, 125                                                                                                   |
| 54-24244 <sup>b</sup> | No                  | 25, 50, 75, 100, 118.5                                                                                                 | 25, 50, 75, 100, 118.5                                                                                                 |
| 54-24399 <sup>c</sup> | Yes                 | <b>505–608</b>                                                                                                         | <b>505–608</b>                                                                                                         |
| 54-27641              | Yes                 | <b>32</b> , <b>82</b> , <b>115</b> , <b>182</b> , 232, <b>271</b> , <b>332.5</b>                                       | <b>32</b> , <b>82</b> , <b>115</b> , <b>182</b> , 232, <b>271</b> , <b>332.5</b>                                       |
| 54-27642              | Yes                 | <b>30</b> , <b>75</b> , <b>116</b> , <b>175</b> , 235, <b>275</b> , <b>338</b>                                         | <b>30</b> , <b>75</b> , <b>116</b> , <b>175</b> , 235, <b>275</b> , <b>338</b>                                         |
| 54-27643              | Yes                 | <b>30</b> , <b>74</b> , <b>117</b> , <b>167</b> , 235, <b>275</b> , <b>354</b>                                         | 30, 74, 117, 167, 235, 275, 354                                                                                        |

Note: Bolded depths denote locations of SUMMA and/or tritium samples collected during the fourth quarter of FY2008.

<sup>a</sup> Blocked port.

<sup>b</sup> FLUTE system damaged; no samples collected.

<sup>c</sup> Open borehole.

**Table 3.0-1**  
**Henry's Law Constants, Groundwater Standards, and**  
**Calculated Concentrations Exceeding Groundwater Standards for Selected VOCs**

| VOC                                     | Dimensionless Henry's Law Constant (H') | Groundwater Standard (µg/L) | Concentration in Pore Gas Which Would Exceed Groundwater Standard (ug/L) |
|-----------------------------------------|-----------------------------------------|-----------------------------|--------------------------------------------------------------------------|
| Acetone                                 | 0.0016                                  | 22000 <sup>a</sup>          | 35200                                                                    |
| Benzene                                 | 0.228                                   | 5 <sup>b</sup>              | 1140                                                                     |
| Butadiene[1,3-]                         | 7.3                                     | 0.13                        | 949                                                                      |
| Butanone[2-]                            | 0.0011                                  | 7100 <sup>a</sup>           | 7810                                                                     |
| Carbon Disulfide                        | 1.2                                     | 1000 <sup>a</sup>           | 1200000                                                                  |
| Carbon Tetrachloride                    | 1.25                                    | 5 <sup>b</sup>              | 6250                                                                     |
| Chlorobenzene                           | 0.15                                    | 100                         | 15000                                                                    |
| Chlorodifluoromethane                   | 4.1                                     | 100,000                     | 41000000                                                                 |
| Chloroform                              | 0.15                                    | 100                         | 15000                                                                    |
| Chloromethane                           | na <sup>d</sup>                         | na                          | na                                                                       |
| Cyclohexane                             | 8.2                                     | 13,000                      | 106600000                                                                |
| Dichlorodifluoromethane                 | 4.1                                     | 350 <sup>a</sup>            | 1435000                                                                  |
| Dichloroethane[1,1-]                    | 0.23                                    | 25 <sup>c</sup>             | 5750                                                                     |
| Dichloroethene[1,1-]                    | 1.1                                     | 5 <sup>c</sup>              | 5500                                                                     |
| Dichloropropane[1,2-]                   | .11                                     | 5 <sup>b</sup>              | 550                                                                      |
| Ethanol                                 | 200                                     | na                          | na                                                                       |
| Ethylbenzene                            | 0.323                                   | 700 <sup>b</sup>            | 226100                                                                   |
| Ethyltoluene[4-]                        | na                                      | na                          | na                                                                       |
| Hexane                                  | 5                                       | 880 <sup>a</sup>            | 4400000                                                                  |
| Methanol                                | 0.00011                                 | 18,000                      | 1980                                                                     |
| Methylene Chloride                      | 0.09                                    | 5 <sup>b</sup>              | 450                                                                      |
| n-Heptane                               | 0.0012                                  | na                          | na                                                                       |
| Propylene                               | na                                      | na                          | na                                                                       |
| Styrene                                 | 0.11                                    | 100                         | 11000                                                                    |
| PCE                                     | 0.754                                   | 5 <sup>b</sup>              | 3770                                                                     |
| Toluene                                 | 0.272                                   | 750 <sup>c</sup>            | 204000                                                                   |
| Trichloro-1,2,2-trifluoroethane[1,1,2-] | 21.4                                    | 59,000 <sup>a</sup>         | 1262600000                                                               |
| TCA                                     | 0.705                                   | 60 <sup>c</sup>             | 42300                                                                    |
| TCE                                     | 0.422                                   | 5 <sup>b</sup>              | 2110                                                                     |
| Freon-11                                | 4                                       | 1300 <sup>a</sup>           | 5200000                                                                  |
| Tetrahydrofuran                         | 0.002895                                | 8.8 <sup>b</sup>            | 25.476                                                                   |
| Trimethylbenzene[1,2,4-]                | 0.23                                    | 15 <sup>a</sup>             | 3450                                                                     |
| Trimethylbenzene[1,3,5-]                | 0.32                                    | 12 <sup>a</sup>             | 3840                                                                     |
| Xylene[1,2-]                            | 0.213                                   | 10000 <sup>b</sup>          | 2130000                                                                  |
| Xylene[1,3-]+Xylene[1,4-]               | 0.3                                     | 10000 <sup>a</sup>          | 3000000                                                                  |

Note: Calculated concentrations in pore gas exceeding groundwater standard derived using denominator from Equation 3.0-3.

<sup>a</sup> EPA regional tap water screening levels

([http://www.epa.gov/region09/superfund/prg/pdf/composite\\_sl\\_table\\_run\\_12SEP2008.pdf](http://www.epa.gov/region09/superfund/prg/pdf/composite_sl_table_run_12SEP2008.pdf)).

<sup>b</sup> EPA MCL (40 Code of Federal Regulations 141.61).

<sup>c</sup> NMWQCC groundwater standard (20.6.2.3103 New Mexico Administrative Code).



**Table 4.0-1**  
**Field-Screening Results Using the Landtech GEM-500**

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte         | Result Q1 FY2008 (%) | Result Q2 FY2008 (%) | Result Q3 FY2008 (%) | Result Q4 FY2008 (%) |
|-------------|------------------------------|---------------------------------------|-----------------|----------------------|----------------------|----------------------|----------------------|
| 54-01015    | 37.6                         | 42.8                                  | CO <sub>2</sub> | NA*                  | NA                   | 0.4                  | NA                   |
| 54-01015    | 37.6                         | 42.8                                  | O <sub>2</sub>  | NA                   | NA                   | 21                   | NA                   |
| 54-01015    | 165.4                        | 188.2                                 | CO <sub>2</sub> | NA                   | NA                   | 0.4                  | NA                   |
| 54-01015    | 165.4                        | 188.2                                 | O <sub>2</sub>  | NA                   | NA                   | 21.1                 | NA                   |
| 54-01015    | 308.3                        | 350.8                                 | CO <sub>2</sub> | NA                   | NA                   | NA                   | NA                   |
| 54-01015    | 308.3                        | 350.8                                 | O <sub>2</sub>  | NA                   | NA                   | NA                   | NA                   |
| 54-01015    | 333.3                        | 379.3                                 | CO <sub>2</sub> | NA                   | NA                   | 0                    | NA                   |
| 54-01015    | 333.3                        | 379.3                                 | O <sub>2</sub>  | NA                   | NA                   | 21.3                 | NA                   |
| 54-01015    | 377.7                        | 429.8                                 | CO <sub>2</sub> | NA                   | NA                   | 0                    | NA                   |
| 54-01015    | 377.7                        | 429.8                                 | O <sub>2</sub>  | NA                   | NA                   | 21.3                 | NA                   |
| 54-01015    | 426.5                        | 485.3                                 | CO <sub>2</sub> | NA                   | NA                   | 0                    | NA                   |
| 54-01015    | 426.5                        | 485.3                                 | O <sub>2</sub>  | NA                   | NA                   | 21.3                 | NA                   |
| 54-01015    | 462.1                        | 525.8                                 | CO <sub>2</sub> | NA                   | NA                   | 0                    | NA                   |
| 54-01015    | 462.1                        | 525.8                                 | O <sub>2</sub>  | NA                   | NA                   | 21.3                 | NA                   |
| 54-01016    | 30.8                         | 35.8                                  | CO <sub>2</sub> | NA                   | NA                   | 0.5                  | NA                   |
| 54-01016    | 30.8                         | 35.8                                  | O <sub>2</sub>  | NA                   | NA                   | 20.5                 | NA                   |
| 54-01016    | 162.2                        | 188.3                                 | CO <sub>2</sub> | NA                   | NA                   | 0.6                  | NA                   |
| 54-01016    | 162.2                        | 188.3                                 | O <sub>2</sub>  | NA                   | NA                   | 20.4                 | NA                   |
| 54-01016    | 274.7                        | 318.8                                 | CO <sub>2</sub> | NA                   | NA                   | 0.3                  | NA                   |
| 54-01016    | 274.7                        | 318.8                                 | O <sub>2</sub>  | NA                   | NA                   | 20.5                 | NA                   |
| 54-01016    | 336.3                        | 390.3                                 | CO <sub>2</sub> | NA                   | NA                   | 0.2                  | NA                   |
| 54-01016    | 336.3                        | 390.3                                 | O <sub>2</sub>  | NA                   | NA                   | 20.8                 | NA                   |
| 54-01016    | 414.3                        | 480.8                                 | CO <sub>2</sub> | NA                   | NA                   | NA                   | NA                   |
| 54-01016    | 414.3                        | 480.8                                 | O <sub>2</sub>  | NA                   | NA                   | NA                   | NA                   |
| 54-01016    | 459.5                        | 533.3                                 | CO <sub>2</sub> | NA                   | NA                   | NA                   | NA                   |
| 54-01016    | 459.5                        | 533.3                                 | O <sub>2</sub>  | NA                   | NA                   | NA                   | NA                   |
| 54-01016    | 517.6                        | 600.7                                 | CO <sub>2</sub> | NA                   | NA                   | NA                   | NA                   |
| 54-01016    | 517.6                        | 600.7                                 | O <sub>2</sub>  | NA                   | NA                   | NA                   | NA                   |
| 54-02001    | 20                           | 20                                    | CO <sub>2</sub> | 0.8                  | 1.4                  | 1.4                  | 1.1                  |
| 54-02001    | 20                           | 20                                    | O <sub>2</sub>  | 20.2                 | 19.6                 | 20                   | 20                   |
| 54-02001    | 40                           | 40                                    | CO <sub>2</sub> | 1.1                  | 1.4                  | 1.2                  | 0.8                  |
| 54-02001    | 40                           | 40                                    | O <sub>2</sub>  | 20.1                 | 19.799999            | 19.8                 | 20                   |
| 54-02001    | 60                           | 60                                    | CO <sub>2</sub> | 0.8                  | NA                   | 1                    | 0.6                  |
| 54-02001    | 60                           | 60                                    | O <sub>2</sub>  | 20                   | NA                   | 19.9                 | 20                   |

Table 4.0-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte         | Q1 FY2008 (%) | Q2 FY2008 (%) | Q3 FY2008 (%) | Q4 FY2008 (%) |
|-------------|------------------------------|---------------------------------------|-----------------|---------------|---------------|---------------|---------------|
| 54-02001    | 80                           | 80                                    | CO <sub>2</sub> | 0.8           | 1.3           | 1             | 0.7           |
| 54-02001    | 80                           | 80                                    | O <sub>2</sub>  | 20            | 19.9          | 20.2          | 20.02         |
| 54-02001    | 100                          | 100                                   | CO <sub>2</sub> | 0.3           | 1.2           | 0.9           | 0.6           |
| 54-02001    | 100                          | 100                                   | O <sub>2</sub>  | 20.6          | 19.9          | 20.4          | 20.02         |
| 54-02001    | 120                          | 120                                   | CO <sub>2</sub> | 0.7           | 1.1           | 0.8           | 0.6           |
| 54-02001    | 120                          | 120                                   | O <sub>2</sub>  | 20            | 19.799999     | 20.8          | 20.02         |
| 54-02001    | 140                          | 140                                   | CO <sub>2</sub> | 0.7           | 1.2           | 0.8           | 0.6           |
| 54-02001    | 140                          | 140                                   | O <sub>2</sub>  | 19.9          | 20.1          | 20.8          | 20.02         |
| 54-02001    | 160                          | 160                                   | CO <sub>2</sub> | 0.6           | 0.9           | 0.7           | 0.5           |
| 54-02001    | 160                          | 160                                   | O <sub>2</sub>  | 19.8          | 20.9          | 20.8          | 20.02         |
| 54-02001    | 180                          | 180                                   | CO <sub>2</sub> | 1             | NA            | 0.5           | 0.4           |
| 54-02001    | 180                          | 180                                   | O <sub>2</sub>  | 19.2          | NA            | 21.2          | 20.02         |
| 54-02001    | 200                          | 200                                   | CO <sub>2</sub> | 0.6           | 0.9           | 0.6           | 0.4           |
| 54-02001    | 200                          | 200                                   | O <sub>2</sub>  | 19.6          | 20.6          | 21.2          | 20.02         |
| 54-02002    | 20                           | 20                                    | CO <sub>2</sub> | 0.4           | NA            | NA            | 0             |
| 54-02002    | 20                           | 20                                    | O <sub>2</sub>  | 20.4          | NA            | NA            | 20.9          |
| 54-02002    | 40                           | 40                                    | CO <sub>2</sub> | 1.3           | NA            | NA            | 0             |
| 54-02002    | 40                           | 40                                    | O <sub>2</sub>  | 19            | NA            | NA            | 20.9          |
| 54-02002    | 60                           | 60                                    | CO <sub>2</sub> | 1.7           | 2.2           | 1.7           | 0             |
| 54-02002    | 60                           | 60                                    | O <sub>2</sub>  | 18.6          | 18.700001     | 19.5          | 20.8          |
| 54-02002    | 80                           | 80                                    | CO <sub>2</sub> | 1.7           | NA            | NA            | 1.4           |
| 54-02002    | 80                           | 80                                    | O <sub>2</sub>  | 18.6          | NA            | NA            | 19.5          |
| 54-02002    | 100                          | 100                                   | CO <sub>2</sub> | 1.6           | 2             | 1.7           | 1.4           |
| 54-02002    | 100                          | 100                                   | O <sub>2</sub>  | 18.5          | 18.799999     | 19.7          | 19.5          |
| 54-02002    | 120                          | 120                                   | CO <sub>2</sub> | 1.4           | 1.8           | 1.6           | 1.1           |
| 54-02002    | 120                          | 120                                   | O <sub>2</sub>  | 18.6          | 19            | 19.8          | 19.5          |
| 54-02002    | 140                          | 140                                   | CO <sub>2</sub> | 1.2           | 1.6           | 1.4           | 1.2           |
| 54-02002    | 140                          | 140                                   | O <sub>2</sub>  | 18.8          | 19.1          | 19.8          | 19.5          |
| 54-02002    | 157                          | 157                                   | CO <sub>2</sub> | 1.1           | 1.5           | 1.3           | 0.9           |
| 54-02002    | 157                          | 157                                   | O <sub>2</sub>  | 18.8          | 19.4          | 20            | 19.8          |
| 54-02002    | 180                          | 180                                   | CO <sub>2</sub> | 1.4           | 1.9           | 1.7           | 1.2           |
| 54-02002    | 180                          | 180                                   | O <sub>2</sub>  | 18.4          | 19            | 19.8          | 19.5          |
| 54-02002    | 200                          | 200                                   | CO <sub>2</sub> | 0.8           | 1.2           | 1             | 0.7           |
| 54-02002    | 200                          | 200                                   | O <sub>2</sub>  | 19            | 19.6          | 20.2          | 19.9          |
| 54-02016    | 18                           | 18                                    | CO <sub>2</sub> | 0.1           | NA            | 2.1           | 1.7           |
| 54-02016    | 18                           | 18                                    | O <sub>2</sub>  | 20.6          | NA            | 19            | 19.2          |

Table 4.0-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte         | Q1 FY2008 (%) | Q2 FY2008 (%) | Q3 FY2008 (%) | Q4 FY2008 (%) |
|-------------|------------------------------|---------------------------------------|-----------------|---------------|---------------|---------------|---------------|
| 54-02016    | 31                           | 31                                    | CO <sub>2</sub> | 3.3           | 3.4000001     | 3.1           | 2.5           |
| 54-02016    | 31                           | 31                                    | O <sub>2</sub>  | 16.7          | 17.700001     | 18.2          | 18.1          |
| 54-02016    | 82                           | 82                                    | CO <sub>2</sub> | 2.4           | NA            | 2.6           | 2.1           |
| 54-02016    | 82                           | 82                                    | O <sub>2</sub>  | 17.5          | NA            | 18.7          | 18.5          |
| 54-02021    | 20                           | 20                                    | CO <sub>2</sub> | 0.6           | 0.8           | 0.7           | 0.2           |
| 54-02021    | 20                           | 20                                    | O <sub>2</sub>  | 20.5          | 20.799999     | 20.7          | 20.8          |
| 54-02021    | 40                           | 40                                    | CO <sub>2</sub> | 0.6           | NA            | 0.8           | 0.4           |
| 54-02021    | 40                           | 40                                    | O <sub>2</sub>  | 20.3          | NA            | 20.7          | 20.4          |
| 54-02021    | 60                           | 60                                    | CO <sub>2</sub> | 0.6           | 0.9           | 0.8           | 0.4           |
| 54-02021    | 60                           | 60                                    | O <sub>2</sub>  | 20.3          | 20.6          | 20.7          | 20.4          |
| 54-02021    | 80                           | 80                                    | CO <sub>2</sub> | 0.6           | 0.9           | 0.8           | 0.4           |
| 54-02021    | 80                           | 80                                    | O <sub>2</sub>  | 20.3          | 20.5          | 20.7          | 20.4          |
| 54-02021    | 100                          | 100                                   | CO <sub>2</sub> | 0.6           | 0.9           | 0.8           | 0.5           |
| 54-02021    | 100                          | 100                                   | O <sub>2</sub>  | 20.2          | 20.299999     | 20.7          | 20.3          |
| 54-02021    | 120                          | 120                                   | CO <sub>2</sub> | 0.5           | NA            | 0.7           | 0.4           |
| 54-02021    | 120                          | 120                                   | O <sub>2</sub>  | 20.2          | NA            | 20.9          | 20.3          |
| 54-02021    | 140                          | 140                                   | CO <sub>2</sub> | 0.5           | 0.9           | 0.8           | 0.4           |
| 54-02021    | 140                          | 140                                   | O <sub>2</sub>  | 20.2          | 20.200001     | 20.8          | 20.3          |
| 54-02021    | 160                          | 160                                   | CO <sub>2</sub> | 0.5           | 0.9           | 0.7           | 0.2           |
| 54-02021    | 160                          | 160                                   | O <sub>2</sub>  | 20.1          | 20.4          | 21            | 20.4          |
| 54-02021    | 180                          | 180                                   | CO <sub>2</sub> | 0.5           | 0.8           | 0.7           | 0.4           |
| 54-02021    | 180                          | 180                                   | O <sub>2</sub>  | 19.9          | 20.299999     | 21.2          | 20.3          |
| 54-02021    | 198                          | 198                                   | CO <sub>2</sub> | 0.5           | 0.8           | 0.6           | 0.4           |
| 54-02021    | 198                          | 198                                   | O <sub>2</sub>  | 20.1          | 20.200001     | 21.1          | 20.3          |
| 54-02022    | 20                           | 20                                    | CO <sub>2</sub> | 0.8           | 1.2           | 1.1           | 0.8           |
| 54-02022    | 20                           | 20                                    | O <sub>2</sub>  | 20.1          | 20.200001     | 20.6          | 20            |
| 54-02022    | 40                           | 40                                    | CO <sub>2</sub> | 0.8           | 1.1           | 1.1           | 0.7           |
| 54-02022    | 40                           | 40                                    | O <sub>2</sub>  | 20.2          | 20.1          | 20.6          | 20.2          |
| 54-02022    | 60                           | 60                                    | CO <sub>2</sub> | 0.7           | 1.3           | 1.1           | 0.7           |
| 54-02022    | 60                           | 60                                    | O <sub>2</sub>  | 20.1          | 20.299999     | 20.5          | 20.1          |
| 54-02022    | 80                           | 80                                    | CO <sub>2</sub> | 0.7           | 1.2           | 1.1           | 0.7           |
| 54-02022    | 80                           | 80                                    | O <sub>2</sub>  | 20.1          | 20.299999     | 20.6          | 20.1          |
| 54-02022    | 100                          | 100                                   | CO <sub>2</sub> | 0.6           | 1.2           | 1             | 0.6           |
| 54-02022    | 100                          | 100                                   | O <sub>2</sub>  | 20            | 20.299999     | 20.7          | 20.3          |
| 54-02022    | 120                          | 120                                   | CO <sub>2</sub> | 0.6           | 1.2           | 1             | 0.6           |
| 54-02022    | 120                          | 120                                   | O <sub>2</sub>  | 20            | 20.200001     | 20.6          | 20.1          |

Table 4.0-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte         | Q1 FY2008 (%) | Q2 FY2008 (%) | Q3 FY2008 (%) | Q4 FY2008 (%) |
|-------------|------------------------------|---------------------------------------|-----------------|---------------|---------------|---------------|---------------|
| 54-02022    | 140                          | 140                                   | CO <sub>2</sub> | 0.6           | 1.1           | 0.9           | 0.5           |
| 54-02022    | 140                          | 140                                   | O <sub>2</sub>  | 20            | 20.299999     | 20.7          | 20.2          |
| 54-02022    | 160                          | 160                                   | CO <sub>2</sub> | 0.6           | 1             | 0.9           | 0.5           |
| 54-02022    | 160                          | 160                                   | O <sub>2</sub>  | 19.9          | 20.200001     | 20.7          | 20.2          |
| 54-02022    | 180                          | 180                                   | CO <sub>2</sub> | 0.5           | 0.9           | 0.9           | 0.5           |
| 54-02022    | 180                          | 180                                   | O <sub>2</sub>  | 20            | 20.200001     | 20.7          | 20.4          |
| 54-02022    | 200                          | 200                                   | CO <sub>2</sub> | 0.5           | 0.9           | 0.8           | 0.4           |
| 54-02022    | 200                          | 200                                   | O <sub>2</sub>  | 20            | 20.200001     | 20.7          | 20.4          |
| 54-02023    | 20                           | 20                                    | CO <sub>2</sub> | NA            | 1.7           | 1.5           | 1.5           |
| 54-02023    | 20                           | 20                                    | O <sub>2</sub>  | NA            | 19.799999     | 20.3          | 19.7          |
| 54-02023    | 40                           | 40                                    | CO <sub>2</sub> | NA            | 1.6           | 1.2           | 1.2           |
| 54-02023    | 40                           | 40                                    | O <sub>2</sub>  | NA            | 19.700001     | 20.2          | 19.8          |
| 54-02023    | 60                           | 60                                    | CO <sub>2</sub> | NA            | 0.8           | 0.6           | 0.6           |
| 54-02023    | 60                           | 60                                    | O <sub>2</sub>  | NA            | 20            | 20.7          | 20.3          |
| 54-02023    | 80                           | 80                                    | CO <sub>2</sub> | NA            | 1.2           | 0.7           | 0.8           |
| 54-02023    | 80                           | 80                                    | O <sub>2</sub>  | NA            | 19.799999     | 20.6          | 20.2          |
| 54-02023    | 100                          | 100                                   | CO <sub>2</sub> | NA            | 1.1           | 0.8           | 0.8           |
| 54-02023    | 100                          | 100                                   | O <sub>2</sub>  | NA            | 20            | 20.5          | 20.2          |
| 54-02023    | 120                          | 120                                   | CO <sub>2</sub> | NA            | 0.9           | 0.7           | 0.7           |
| 54-02023    | 120                          | 120                                   | O <sub>2</sub>  | NA            | 20.1          | 20.8          | 20.2          |
| 54-02023    | 140                          | 140                                   | CO <sub>2</sub> | NA            | 0.8           | 0.6           | 0.6           |
| 54-02023    | 140                          | 140                                   | O <sub>2</sub>  | NA            | 20            | 20.8          | 20.2          |
| 54-02023    | 159                          | 159                                   | CO <sub>2</sub> | NA            | 0.7           | 0.5           | 0.5           |
| 54-02023    | 159                          | 159                                   | O <sub>2</sub>  | NA            | 20.200001     | 21.1          | 20.4          |
| 54-02023    | 180                          | 180                                   | CO <sub>2</sub> | NA            | blocked       | 0.5           | 0.7           |
| 54-02023    | 180                          | 180                                   | O <sub>2</sub>  | NA            | blocked       | 21            | 20.3          |
| 54-02023    | 200                          | 200                                   | CO <sub>2</sub> | NA            | 0.7           | 0.3           | 0.5           |
| 54-02023    | 200                          | 200                                   | O <sub>2</sub>  | NA            | 20.200001     | 21            | 20.3          |
| 54-02024    | 20                           | 20                                    | CO <sub>2</sub> | 0.4           | 0.7           | 0.9           | 0.6           |
| 54-02024    | 20                           | 20                                    | O <sub>2</sub>  | 20.7          | 20            | 20.7          | 20.7          |
| 54-02024    | 40                           | 40                                    | CO <sub>2</sub> | 0.5           | 0.6           | 0.7           | 0.4           |
| 54-02024    | 40                           | 40                                    | O <sub>2</sub>  | 20.7          | 20            | 20.8          | 20.7          |
| 54-02024    | 60                           | 60                                    | CO <sub>2</sub> | 0.4           | 0.7           | 0.7           | 0.5           |
| 54-02024    | 60                           | 60                                    | O <sub>2</sub>  | 20.7          | 20            | 20.6          | 20.7          |
| 54-02024    | 80                           | 80                                    | CO <sub>2</sub> | 0.5           | 0.7           | 0.6           | 0.4           |
| 54-02024    | 80                           | 80                                    | O <sub>2</sub>  | 20.7          | 19.9          | 20.7          | 20.6          |

Table 4.0-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte         | Q1 FY2008 (%) | Q2 FY2008 (%) | Q3 FY2008 (%) | Q4 FY2008 (%) |
|-------------|------------------------------|---------------------------------------|-----------------|---------------|---------------|---------------|---------------|
| 54-02024    | 100                          | 100                                   | CO <sub>2</sub> | 0.5           | 0.7           | 0.6           | 0.4           |
| 54-02024    | 100                          | 100                                   | O <sub>2</sub>  | 20.7          | 20            | 21            | 20.6          |
| 54-02024    | 120                          | 120                                   | CO <sub>2</sub> | 0.5           | NA            | 0.6           | NA            |
| 54-02024    | 120                          | 120                                   | O <sub>2</sub>  | 20.7          | NA            | 21            | NA            |
| 54-02024    | 140                          | 140                                   | CO <sub>2</sub> | 0.5           | NA            | 0.5           | 0.4           |
| 54-02024    | 140                          | 140                                   | O <sub>2</sub>  | 20.7          | NA            | 21.3          | 20.7          |
| 54-02024    | 160                          | 160                                   | CO <sub>2</sub> | 0.4           | 0.7           | 0.5           | 0.3           |
| 54-02024    | 160                          | 160                                   | O <sub>2</sub>  | 20.6          | 19.799999     | 21.2          | 20.6          |
| 54-02024    | 180                          | 180                                   | CO <sub>2</sub> | 0.4           | 0.6           | 0.4           | 0.3           |
| 54-02024    | 180                          | 180                                   | O <sub>2</sub>  | 20.6          | 19.9          | 21.2          | 20.7          |
| 54-02024    | 200                          | 200                                   | CO <sub>2</sub> | 0.4           | 0.6           | 0.4           | 0.3           |
| 54-02024    | 200                          | 200                                   | O <sub>2</sub>  | 20.6          | 19.9          | 21            | 20.8          |
| 54-02025    | 20                           | 20                                    | CO <sub>2</sub> | 0.5           | 0.9           | 0.8           | 0.6           |
| 54-02025    | 20                           | 20                                    | O <sub>2</sub>  | 20.4          | 20            | 20.4          | 20.6          |
| 54-02025    | 60                           | 60                                    | CO <sub>2</sub> | 0.1           | NA            | NA            | 0.1           |
| 54-02025    | 60                           | 60                                    | O <sub>2</sub>  | 20.6          | NA            | NA            | 20.8          |
| 54-02025    | 100                          | 100                                   | CO <sub>2</sub> | 0.6           | 0.9           | 0.8           | 0.6           |
| 54-02025    | 100                          | 100                                   | O <sub>2</sub>  | 20.3          | 20.1          | 20.5          | 20.2          |
| 54-02025    | 160                          | 160                                   | CO <sub>2</sub> | 0.6           | 0.9           | 0.8           | 0.5           |
| 54-02025    | 160                          | 160                                   | O <sub>2</sub>  | 20.3          | 20.299999     | 20.4          | 20.2          |
| 54-02025    | 190                          | 190                                   | CO <sub>2</sub> | 0.4           | 0.8           | 0.6           | 0.4           |
| 54-02025    | 190                          | 190                                   | O <sub>2</sub>  | 20.4          | 20.200001     | 20.7          | 20.3          |
| 54-02026    | 20                           | 20                                    | CO <sub>2</sub> | NA            | 0.8           | 0.2           | 0.6           |
| 54-02026    | 20                           | 20                                    | O <sub>2</sub>  | NA            | 20.200001     | 18.8          | 20.7          |
| 54-02026    | 60                           | 60                                    | CO <sub>2</sub> | NA            | 0.8           | 0.1           | 0.5           |
| 54-02026    | 60                           | 60                                    | O <sub>2</sub>  | NA            | 20.200001     | 18.7          | 20.5          |
| 54-02026    | 100                          | 100                                   | CO <sub>2</sub> | NA            | 0.8           | 0             | 0.5           |
| 54-02026    | 100                          | 100                                   | O <sub>2</sub>  | NA            | 20.200001     | 18.7          | 20.5          |
| 54-02026    | 160                          | 160                                   | CO <sub>2</sub> | NA            | 0.7           | 0             | 0.4           |
| 54-02026    | 160                          | 160                                   | O <sub>2</sub>  | NA            | 20.200001     | 18.7          | 20.6          |
| 54-02026    | 200                          | 200                                   | CO <sub>2</sub> | NA            | 0.6           | 0             | 0.2           |
| 54-02026    | 200                          | 200                                   | O <sub>2</sub>  | NA            | 20.299999     | 18.5          | 20.9          |
| 54-02026    | 215                          | 215                                   | CO <sub>2</sub> | NA            | 0.6           | 0             | 0.1           |
| 54-02026    | 215                          | 215                                   | O <sub>2</sub>  | NA            | 20.299999     | 18.4          | 20.9          |
| 54-02027    | 20                           | 20                                    | CO <sub>2</sub> | 0.4           | 0.8           | 0.7           | 0.5           |
| 54-02027    | 20                           | 20                                    | O <sub>2</sub>  | 20.6          | 20.200001     | 20.8          | 20.8          |

Table 4.0-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte         | Q1 FY2008 (%) | Q2 FY2008 (%) | Q3 FY2008 (%) | Q4 FY2008 (%) |
|-------------|------------------------------|---------------------------------------|-----------------|---------------|---------------|---------------|---------------|
| 54-02027    | 60                           | 60                                    | CO <sub>2</sub> | 0.4           | 0.7           | 0.6           | 0.5           |
| 54-02027    | 60                           | 60                                    | O <sub>2</sub>  | 20.6          | 20.200001     | 20.8          | 20.6          |
| 54-02027    | 100                          | 100                                   | CO <sub>2</sub> | 0.4           | 0.7           | 0.6           | 0.4           |
| 54-02027    | 100                          | 100                                   | O <sub>2</sub>  | 20.6          | 20.1          | 20.6          | 20.5          |
| 54-02027    | 160                          | 160                                   | CO <sub>2</sub> | 0.4           | 0.6           | 0.5           | 0.3           |
| 54-02027    | 160                          | 160                                   | O <sub>2</sub>  | 20.6          | 20.200001     | 20.6          | 20.5          |
| 54-02027    | 200                          | 200                                   | CO <sub>2</sub> | 0.3           | 0.5           | 0.4           | 0.2           |
| 54-02027    | 200                          | 200                                   | O <sub>2</sub>  | 20.7          | 20.299999     | 20.6          | 20.5          |
| 54-02027    | 220                          | 220                                   | CO <sub>2</sub> | 0.3           | 0.5           | 0.4           | 0.2           |
| 54-02027    | 220                          | 220                                   | O <sub>2</sub>  | 20.9          | 20.299999     | 20.6          | 20.5          |
| 54-02027    | 250                          | 250                                   | CO <sub>2</sub> | 0.3           | 0.4           | 0.3           | 0.1           |
| 54-02027    | 250                          | 250                                   | O <sub>2</sub>  | 20.8          | 20.299999     | 20.8          | 20.5          |
| 54-02028    | 20                           | 20                                    | CO <sub>2</sub> | NA            | 0.5           | 0.1           | 0.3           |
| 54-02028    | 20                           | 20                                    | O <sub>2</sub>  | NA            | 20.299999     | 19.1          | 20.8          |
| 54-02028    | 60                           | 60                                    | CO <sub>2</sub> | NA            | 0.5           | 0             | 0.2           |
| 54-02028    | 60                           | 60                                    | O <sub>2</sub>  | NA            | 20.4          | 18.9          | 20.7          |
| 54-02028    | 100                          | 100                                   | CO <sub>2</sub> | NA            | 0.5           | 0             | 0.2           |
| 54-02028    | 100                          | 100                                   | O <sub>2</sub>  | NA            | 20.4          | 18.6          | 20.5          |
| 54-02028    | 160                          | 160                                   | CO <sub>2</sub> | NA            | 0.3           | 0             | 0.1           |
| 54-02028    | 160                          | 160                                   | O <sub>2</sub>  | NA            | 20.6          | 18.5          | 20.7          |
| 54-02028    | 200                          | 200                                   | CO <sub>2</sub> | NA            | 0.4           | 0             | 0.7           |
| 54-02028    | 200                          | 200                                   | O <sub>2</sub>  | NA            | 20.4          | 18.4          | 20.7          |
| 54-02028    | 220                          | 220                                   | CO <sub>2</sub> | NA            | 0.4           | 0             | 0.1           |
| 54-02028    | 220                          | 220                                   | O <sub>2</sub>  | NA            | 20.299999     | 18.5          | 20.8          |
| 54-02028    | 250                          | 250                                   | CO <sub>2</sub> | NA            | 0.3           | 0             | 0             |
| 54-02028    | 250                          | 250                                   | O <sub>2</sub>  | NA            | 20.299999     | 18.5          | 20.7          |
| 54-02031    | 20                           | 20                                    | CO <sub>2</sub> | 0.6           | 1.5           | 1.5           | 1.5           |
| 54-02031    | 20                           | 20                                    | O <sub>2</sub>  | 19.9          | 19.6          | 20.1          | 19.8          |
| 54-02031    | 60                           | 60                                    | CO <sub>2</sub> | 0.7           | 1.2           | 1.1           | 0.7           |
| 54-02031    | 60                           | 60                                    | O <sub>2</sub>  | 19.7          | 19.9          | 20.3          | 20.4          |
| 54-02031    | 100                          | 100                                   | CO <sub>2</sub> | 0.6           | 1             | 0.9           | 0.6           |
| 54-02031    | 100                          | 100                                   | O <sub>2</sub>  | 20.1          | 20.1          | 20.5          | 20.2          |
| 54-02031    | 160                          | 160                                   | CO <sub>2</sub> | 0.5           | 0.9           | 0.8           | 0.5           |
| 54-02031    | 160                          | 160                                   | O <sub>2</sub>  | 20.5          | 20.1          | 20.7          | 20.3          |
| 54-02031    | 200                          | 200                                   | CO <sub>2</sub> | 0.6           | 0.8           | 0.7           | 0.8           |
| 54-02031    | 200                          | 200                                   | O <sub>2</sub>  | 20.4          | 20.1          | 20.8          | 20.3          |

Table 4.0-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte         | Q1 FY2008 (%) | Q2 FY2008 (%) | Q3 FY2008 (%) | Q4 FY2008 (%) |
|-------------|------------------------------|---------------------------------------|-----------------|---------------|---------------|---------------|---------------|
| 54-02031    | 220                          | 220                                   | CO <sub>2</sub> | 0.5           | NA            | 0.7           | 0.6           |
| 54-02031    | 220                          | 220                                   | O <sub>2</sub>  | 20.4          | NA            | 21.1          | 20.2          |
| 54-02031    | 260                          | 260                                   | CO <sub>2</sub> | 0.6           | 0.8           | 0.6           | 0.4           |
| 54-02031    | 260                          | 260                                   | O <sub>2</sub>  | 20.4          | 20.200001     | 21.2          | 20.5          |
| 54-02034    | 20                           | 20                                    | CO <sub>2</sub> | 1.8           | 2.0999999     | 1.6           | 1.6           |
| 54-02034    | 20                           | 20                                    | O <sub>2</sub>  | 19.7          | 19.6          | 20.5          | 19.5          |
| 54-02034    | 60                           | 60                                    | CO <sub>2</sub> | 1             | 1.6           | 1             | 0.8           |
| 54-02034    | 60                           | 60                                    | O <sub>2</sub>  | 20.4          | 20            | 20.1          | 20.1          |
| 54-02034    | 100                          | 100                                   | CO <sub>2</sub> | 0.7           | 1.4           | 0.3           | 0.7           |
| 54-02034    | 100                          | 100                                   | O <sub>2</sub>  | 20.5          | 20.299999     | 21.3          | 20.2          |
| 54-02034    | 160                          | 160                                   | CO <sub>2</sub> | 0.5           | 0.9           | 0.6           | 0.5           |
| 54-02034    | 160                          | 160                                   | O <sub>2</sub>  | 20.9          | 20.6          | 21.2          | 20.7          |
| 54-02034    | 200                          | 200                                   | CO <sub>2</sub> | 0.3           | 0.8           | 0.6           | 0.4           |
| 54-02034    | 200                          | 200                                   | O <sub>2</sub>  | 21.1          | 20.6          | 21.1          | 20.5          |
| 54-02034    | 220                          | 220                                   | CO <sub>2</sub> | 0.4           | 0.7           | 0.5           | 0.4           |
| 54-02034    | 220                          | 220                                   | O <sub>2</sub>  | 20.7          | 20.700001     | 21            | 20.5          |
| 54-02034    | 260                          | 260                                   | CO <sub>2</sub> | 0             | 0.5           | 0.4           | 0.2           |
| 54-02034    | 260                          | 260                                   | O <sub>2</sub>  | 21.4          | 20.700001     | 21.1          | 20.7          |
| 54-02034    | 300                          | 300                                   | CO <sub>2</sub> | 0             | 0.3           | 0.2           | 0             |
| 54-02034    | 300                          | 300                                   | O <sub>2</sub>  | 21.1          | 20.799999     | 21.3          | 20.8          |
| 54-02089    | 13                           | 13                                    | CO <sub>2</sub> | 4.3           | 3.8           | 3.5           | 3             |
| 54-02089    | 13                           | 13                                    | O <sub>2</sub>  | 15.3          | 17.1          | 17.6          | 17.4          |
| 54-02089    | 31                           | 31                                    | CO <sub>2</sub> | 3.3           | 3.5999999     | 0             | 3.4           |
| 54-02089    | 31                           | 31                                    | O <sub>2</sub>  | 16.1          | 17.1          | 21.7          | 16.5          |
| 54-02089    | 46                           | 46                                    | CO <sub>2</sub> | 3.3           | 4.1999998     | 3.6           | 3.5           |
| 54-02089    | 46                           | 46                                    | O <sub>2</sub>  | 16.1          | 16.1          | 17.2          | 16.2          |
| 54-02089    | 86                           | 86                                    | CO <sub>2</sub> | 3.9           | 3.5999999     | 3.4           | 2.9           |
| 54-02089    | 86                           | 86                                    | O <sub>2</sub>  | 15.5          | 16.799999     | 17.3          | 17.1          |
| 54-24238    | 44                           | 44                                    | CO <sub>2</sub> | 3.9           | 4.1999998     | 4             | 3.1           |
| 54-24238    | 44                           | 44                                    | O <sub>2</sub>  | 16.1          | 16.1          | 16.5          | 16.5          |
| 54-24238    | 64                           | 64                                    | CO <sub>2</sub> | 3.3           | 3             | 3.5           | 2.7           |
| 54-24238    | 64                           | 64                                    | O <sub>2</sub>  | 16.6          | 18            | 17.1          | 17.2          |
| 54-24238    | 84                           | 84                                    | CO <sub>2</sub> | 2.9           | 3.4000001     | 3.2           | 1.6           |
| 54-24238    | 84                           | 84                                    | O <sub>2</sub>  | 17.1          | 17.1          | 17.4          | 18.9          |
| 54-24239    | 25                           | 25                                    | CO <sub>2</sub> | 1.3           | 1.6           | 1.1           | 1.2           |
| 54-24239    | 25                           | 25                                    | O <sub>2</sub>  | 19.6          | 19.4          | 20.1          | 19.6          |

Table 4.0-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte         | Q1 FY2008 (%) | Q2 FY2008 (%) | Q3 FY2008 (%) | Q4 FY2008 (%) |
|-------------|------------------------------|---------------------------------------|-----------------|---------------|---------------|---------------|---------------|
| 54-24239    | 50                           | 50                                    | CO <sub>2</sub> | 1.3           | 1.7           | 1.4           | 1.2           |
| 54-24239    | 50                           | 50                                    | O <sub>2</sub>  | 19.5          | 19.4          | 20.1          | 19.7          |
| 54-24239    | 75                           | 75                                    | CO <sub>2</sub> | 1.4           | 1.7           | 1.4           | 1.2           |
| 54-24239    | 75                           | 75                                    | O <sub>2</sub>  | 19.5          | 19.4          | 20.1          | 19.7          |
| 54-24239    | 99.5                         | 99.5                                  | CO <sub>2</sub> | 1.4           | 1.7           | 1.3           | 1.1           |
| 54-24239    | 99.5                         | 99.5                                  | O <sub>2</sub>  | 19.5          | 19.299999     | 20.1          | 19.7          |
| 54-24240    | 28                           | 28                                    | CO <sub>2</sub> | 1.5           | 2.7           | 2.5           | 2.3           |
| 54-24240    | 28                           | 28                                    | O <sub>2</sub>  | 19.5          | 18.299999     | 18.9          | 17.9          |
| 54-24240    | 53                           | 53                                    | CO <sub>2</sub> | 1.9           | 2.3           | 2.4           | 1.8           |
| 54-24240    | 53                           | 53                                    | O <sub>2</sub>  | 19            | 18.700001     | 19            | 18.7          |
| 54-24240    | 78                           | 78                                    | CO <sub>2</sub> | 1.4           | 1.5           | 1.7           | 1.1           |
| 54-24240    | 78                           | 78                                    | O <sub>2</sub>  | 19.6          | 19.5          | 19.8          | 19.5          |
| 54-24240    | 103                          | 103                                   | CO <sub>2</sub> | 1             | 1.2           | 1.2           | 0.8           |
| 54-24240    | 103                          | 103                                   | O <sub>2</sub>  | 20.1          | 19.9          | 20.1          | 19.9          |
| 54-24240    | 128                          | 128                                   | CO <sub>2</sub> | 0.8           | 1             | 1             | 0.7           |
| 54-24240    | 128                          | 128                                   | O <sub>2</sub>  | 20.3          | 20            | 20.5          | 20            |
| 54-24240    | 153                          | 153                                   | CO <sub>2</sub> | 0.7           | 0.9           | 0.9           | 0.6           |
| 54-24240    | 153                          | 153                                   | O <sub>2</sub>  | 20.4          | 20.1          | 20.6          | 20.2          |
| 54-24241    | 73                           | 73                                    | CO <sub>2</sub> | 0.8           | 1.6           | 1.9           | 1.8           |
| 54-24241    | 73                           | 73                                    | O <sub>2</sub>  | 19.7          | 17.799999     | 19.1          | 18.6          |
| 54-24241    | 93                           | 93                                    | CO <sub>2</sub> | 0.8           | 1.4           | 1.6           | 1.6           |
| 54-24241    | 93                           | 93                                    | O <sub>2</sub>  | 19.7          | 17.9          | 19.4          | 18.9          |
| 54-24241    | 113                          | 113                                   | CO <sub>2</sub> | 0.6           | 1.2           | 1.2           | 1.3           |
| 54-24241    | 113                          | 113                                   | O <sub>2</sub>  | 20.1          | 18.200001     | 19.7          | 19.1          |
| 54-24241    | 133                          | 133                                   | CO <sub>2</sub> | 0.8           | 0.6           | 1.1           | 1.1           |
| 54-24241    | 133                          | 133                                   | O <sub>2</sub>  | 19.9          | 19.1          | 19.8          | 19.3          |
| 54-24241    | 153                          | 153                                   | CO <sub>2</sub> | 0.6           | 0.5           | 1             | 0.9           |
| 54-24241    | 153                          | 153                                   | O <sub>2</sub>  | 20.2          | 19.200001     | 19.9          | 19.5          |
| 54-24241    | 173                          | 173                                   | CO <sub>2</sub> | 0.7           | 0.6           | 1.8           | 0.9           |
| 54-24241    | 173                          | 173                                   | O <sub>2</sub>  | 20.1          | 19.1          | 19.3          | 19.6          |
| 54-24241    | 193                          | 193                                   | CO <sub>2</sub> | 0.7           | 0.9           | 0.9           | 0.9           |
| 54-24241    | 193                          | 193                                   | O <sub>2</sub>  | 20            | 18.5          | 20.3          | 19.6          |
| 54-24242    | 25                           | 25                                    | CO <sub>2</sub> | 1.2           | 1.6           | 1.7           | 1.3           |
| 54-24242    | 25                           | 25                                    | O <sub>2</sub>  | 19.9          | 19.5          | 19.7          | 19.2          |
| 54-24242    | 50                           | 50                                    | CO <sub>2</sub> | 1.3           | 1.9           | 1.7           | 1.3           |
| 54-24242    | 50                           | 50                                    | O <sub>2</sub>  | 19.9          | 19            | 19.7          | 19.4          |



Table 4.0-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte         | Q1 FY2008 (%) | Q2 FY2008 (%) | Q3 FY2008 (%) | Q4 FY2008 (%) |
|-------------|------------------------------|---------------------------------------|-----------------|---------------|---------------|---------------|---------------|
| 54-24242    | 75                           | 75                                    | CO <sub>2</sub> | 1.2           | 1.9           | 1.7           | 1.3           |
| 54-24242    | 75                           | 75                                    | O <sub>2</sub>  | 20            | 19            | 19.6          | 19.3          |
| 54-24242    | 100                          | 100                                   | CO <sub>2</sub> | 1.2           | 1.9           | 1.7           | 1.3           |
| 54-24242    | 100                          | 100                                   | O <sub>2</sub>  | 20            | 19.1          | 19.6          | 19.4          |
| 54-24242    | 110.5                        | 110.5                                 | CO <sub>2</sub> | 0             | 1.8           | -             | 1.3           |
| 54-24242    | 110.5                        | 110.5                                 | O <sub>2</sub>  | 21.4          | 19            | -             | 19.6          |
| 54-24243    | 25                           | 25                                    | CO <sub>2</sub> | 1.8           | 1.2           | 2             | 1.5           |
| 54-24243    | 25                           | 25                                    | O <sub>2</sub>  | 18            | 18.200001     | 19.4          | 19.3          |
| 54-24243    | 50                           | 50                                    | CO <sub>2</sub> | 2.1           | 2.5999999     | 2.3           | 1.8           |
| 54-24243    | 50                           | 50                                    | O <sub>2</sub>  | 17.4          | 18.200001     | 18.7          | 18.7          |
| 54-24243    | 75                           | 75                                    | CO <sub>2</sub> | 2             | 1.7           | 2.2           | 1.7           |
| 54-24243    | 75                           | 75                                    | O <sub>2</sub>  | 17.5          | 19.200001     | 18.7          | 18.3          |
| 54-24243    | 100                          | 100                                   | CO <sub>2</sub> | 1.8           | 2.4000001     | 2             | 1.5           |
| 54-24243    | 100                          | 100                                   | O <sub>2</sub>  | 17.6          | 18.4          | 18.7          | 18.9          |
| 54-24243    | 125                          | 125                                   | CO <sub>2</sub> | 1.6           | 2.0999999     | 1.6           | 1.2           |
| 54-24243    | 125                          | 125                                   | O <sub>2</sub>  | 18.2          | 18.799999     | 18.7          | 19.2          |
| 54-24399    | 550                          | 608                                   | CO <sub>2</sub> | NA            | NA            | 0.1           | 0             |
| 54-24399    | 550                          | 608                                   | O <sub>2</sub>  | NA            | NA            | 21.2          | 20.9          |
| 54-27641    | 32                           | 32                                    | CO <sub>2</sub> | 1.4           | 1.7           | 1.6           | 1.3           |
| 54-27641    | 32                           | 32                                    | O <sub>2</sub>  | 19.4          | 19.6          | 19.6          | 19.5          |
| 54-27641    | 82                           | 82                                    | CO <sub>2</sub> | 0.8           | 1.4           | 1.1           | 0.8           |
| 54-27641    | 82                           | 82                                    | O <sub>2</sub>  | 19.9          | 19.799999     | 20.1          | 20.1          |
| 54-27641    | 115                          | 115                                   | CO <sub>2</sub> | 0.7           | 1.2           | 1.1           | 0.8           |
| 54-27641    | 115                          | 115                                   | O <sub>2</sub>  | 20.1          | 19.9          | 20.1          | 20            |
| 54-27641    | 182                          | 182                                   | CO <sub>2</sub> | 0.6           | 0.9           | 0.9           | 0.6           |
| 54-27641    | 182                          | 182                                   | O <sub>2</sub>  | 20.5          | 20.1          | 20.2          | 20.2          |
| 54-27641    | 232                          | 232                                   | CO <sub>2</sub> | 0.5           | 0.8           | 0.7           | 0.5           |
| 54-27641    | 232                          | 232                                   | O <sub>2</sub>  | 20.5          | 20.200001     | 20            | 20.2          |
| 54-27641    | 272                          | 272                                   | CO <sub>2</sub> | 0.4           | 0.6           | 0.5           | 0.3           |
| 54-27641    | 272                          | 272                                   | O <sub>2</sub>  | 20.8          | 20.4          | 20.3          | 20.4          |
| 54-27641    | 332                          | 332                                   | CO <sub>2</sub> | 0.2           | 0.3           | 0.2           | 0.1           |
| 54-27641    | 332                          | 332                                   | O <sub>2</sub>  | 21.1          | 20.700001     | 20.5          | 20.5          |
| 54-27642    | 30                           | 30                                    | CO <sub>2</sub> | 2.5           | 3.0999999     | 2.9           | 2.1           |
| 54-27642    | 30                           | 30                                    | O <sub>2</sub>  | 17.6          | 17.6          | 18            | 18.6          |
| 54-27642    | 75                           | 75                                    | CO <sub>2</sub> | 1.8           | 2.4000001     | 2.3           | 1.8           |
| 54-27642    | 75                           | 75                                    | O <sub>2</sub>  | 18.9          | 18.299999     | 18.3          | 19            |

Table 4.0-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte         | Q1 FY2008 (%) | Q2 FY2008 (%) | Q3 FY2008 (%) | Q4 FY2008 (%) |
|-------------|------------------------------|---------------------------------------|-----------------|---------------|---------------|---------------|---------------|
| 54-27642    | 116                          | 116                                   | CO <sub>2</sub> | 2.3           | 3             | 2.8           | 2.4           |
| 54-27642    | 116                          | 116                                   | O <sub>2</sub>  | 17.6          | 17.4          | 17.5          | 18.1          |
| 54-27642    | 175                          | 175                                   | CO <sub>2</sub> | 1             | 1.4           | 1.3           | 0.9           |
| 54-27642    | 175                          | 175                                   | O <sub>2</sub>  | 19.4          | 19.1          | 19.4          | 19.6          |
| 54-27642    | 235                          | 235                                   | CO <sub>2</sub> | 0.7           | 1             | 0.9           | 0.7           |
| 54-27642    | 235                          | 235                                   | O <sub>2</sub>  | 19.8          | 19.5          | 19.8          | 19.8          |
| 54-27642    | 275                          | 275                                   | CO <sub>2</sub> | 0.6           | 0.8           | 0.6           | 0.5           |
| 54-27642    | 275                          | 275                                   | O <sub>2</sub>  | 20            | 19.700001     | 19.8          | 20            |
| 54-27642    | 338                          | 338                                   | CO <sub>2</sub> | 0.3           | 0.3           | 0.2           | 0.1           |
| 54-27642    | 338                          | 338                                   | O <sub>2</sub>  | 20.6          | 20.1          | 20.5          | 20.5          |
| 54-27643    | 30                           | 30                                    | CO <sub>2</sub> | 0.8           | 1.2           | 1             | 0.8           |
| 54-27643    | 30                           | 30                                    | O <sub>2</sub>  | 19.2          | 19.4          | 20.4          | 20.2          |
| 54-27643    | 74                           | 74                                    | CO <sub>2</sub> | 0.8           | 1.3           | 1             | 0.8           |
| 54-27643    | 74                           | 74                                    | O <sub>2</sub>  | 19            | 19.4          | 20.2          | 19.9          |
| 54-27643    | 117                          | 117                                   | CO <sub>2</sub> | 0.8           | 1.2           | 1             | 0.7           |
| 54-27643    | 117                          | 117                                   | O <sub>2</sub>  | 19            | 19.6          | 20.1          | 20            |
| 54-27643    | 167                          | 167                                   | CO <sub>2</sub> | 0.7           | 1             | 0.8           | 0.6           |
| 54-27643    | 167                          | 167                                   | O <sub>2</sub>  | 19.3          | 19.700001     | 20.2          | 20.4          |
| 54-27643    | 235                          | 235                                   | CO <sub>2</sub> | 0.5           | 0.8           | 0.6           | 0.5           |
| 54-27643    | 235                          | 235                                   | O <sub>2</sub>  | 19.5          | 19.799999     | 20.4          | 20.3          |
| 54-27643    | 275                          | 275                                   | CO <sub>2</sub> | 0.4           | 0.7           | 0.5           | 0.3           |
| 54-27643    | 275                          | 275                                   | O <sub>2</sub>  | 19.6          | 20.1          | 20.5          | 20.3          |
| 54-27643    | 354                          | 354                                   | CO <sub>2</sub> | 0.2           | 0.4           | 0.2           | 0.1           |
| 54-27643    | 354                          | 354                                   | O <sub>2</sub>  | 20.2          | 20.299999     | 20.7          | 20.5          |

\*NA = Not analyzed.

**Table 4.0-2**  
**Field-Screening Results Using B&K Multigas Analyzer**

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | Q1 FY2008 (ppm) | Q2 FY2008 (ppm) | Q3 FY2008 (ppm) | Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|-----------------|-----------------|-----------------|-----------------|
| 54-01015    | 37.6                         | 42.8                                  | Freon-11 | NA <sup>a</sup> | NA              | 0.053           | NA              |
| 54-01015    | 37.6                         | 42.8                                  | PCE      | NA              | NA              | 0.671           | NA              |
| 54-01015    | 37.6                         | 42.8                                  | TCA      | NA              | NA              | 3.07            | NA              |
| 54-01015    | 37.6                         | 42.8                                  | TCE      | NA              | NA              | 0.83            | NA              |
| 54-01015    | 165.4                        | 188.2                                 | Freon-11 | NA              | NA              | 0.217           | NA              |
| 54-01015    | 165.4                        | 188.2                                 | PCE      | NA              | NA              | 1.63            | NA              |
| 54-01015    | 165.4                        | 188.2                                 | TCA      | NA              | NA              | 5.71            | NA              |
| 54-01015    | 165.4                        | 188.2                                 | TCE      | NA              | NA              | 1.83            | NA              |
| 54-01015    | 308.3                        | 350.8                                 | Freon-11 | NA              | NA              | - <sup>b</sup>  | NA              |
| 54-01015    | 308.3                        | 350.8                                 | PCE      | NA              | NA              | -               | NA              |
| 54-01015    | 308.3                        | 350.8                                 | TCA      | NA              | NA              | -               | NA              |
| 54-01015    | 308.3                        | 350.8                                 | TCE      | NA              | NA              | -               | NA              |
| 54-01015    | 333.3                        | 379.3                                 | Freon-11 | NA              | NA              | -0.013          | NA              |
| 54-01015    | 333.3                        | 379.3                                 | PCE      | NA              | NA              | 0.261           | NA              |
| 54-01015    | 333.3                        | 379.3                                 | TCA      | NA              | NA              | 0.874           | NA              |
| 54-01015    | 333.3                        | 379.3                                 | TCE      | NA              | NA              | 0.362           | NA              |
| 54-01015    | 377.7                        | 429.8                                 | Freon-11 | NA              | NA              | -0.028          | NA              |
| 54-01015    | 377.7                        | 429.8                                 | PCE      | NA              | NA              | 0.231           | NA              |
| 54-01015    | 377.7                        | 429.8                                 | TCA      | NA              | NA              | 0.963           | NA              |
| 54-01015    | 377.7                        | 429.8                                 | TCE      | NA              | NA              | 0.336           | NA              |
| 54-01015    | 426.5                        | 485.3                                 | Freon-11 | NA              | NA              | -0.016          | NA              |
| 54-01015    | 426.5                        | 485.3                                 | PCE      | NA              | NA              | 0.246           | NA              |
| 54-01015    | 426.5                        | 485.3                                 | TCA      | NA              | NA              | 0.968           | NA              |
| 54-01015    | 426.5                        | 485.3                                 | TCE      | NA              | NA              | 0.283           | NA              |
| 54-01015    | 462.1                        | 525.8                                 | Freon-11 | NA              | NA              | -0.031          | NA              |
| 54-01015    | 462.1                        | 525.8                                 | PCE      | NA              | NA              | 0.253           | NA              |
| 54-01015    | 462.1                        | 525.8                                 | TCA      | NA              | NA              | 0.983           | NA              |
| 54-01015    | 462.1                        | 525.8                                 | TCE      | NA              | NA              | 0.199           | NA              |
| 54-01016    | 30.8                         | 35.8                                  | Freon-11 | NA              | NA              | 0.395           | NA              |
| 54-01016    | 30.8                         | 35.8                                  | PCE      | NA              | NA              | 2.48            | NA              |
| 54-01016    | 30.8                         | 35.8                                  | TCA      | NA              | NA              | 8.5             | NA              |
| 54-01016    | 30.8                         | 35.8                                  | TCE      | NA              | NA              | 1.79            | NA              |
| 54-01016    | 162.2                        | 188.3                                 | Freon-11 | NA              | NA              | 0.957           | NA              |
| 54-01016    | 162.2                        | 188.3                                 | PCE      | NA              | NA              | 5.61            | NA              |
| 54-01016    | 162.2                        | 188.3                                 | TCA      | NA              | NA              | 13.61           | NA              |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-01016    | 162.2                        | 188.3                                 | TCE      | NA                         | NA                         | 3.56                       | NA                         |
| 54-01016    | 274.7                        | 318.8                                 | Freon-11 | NA                         | NA                         | 0.362                      | NA                         |
| 54-01016    | 274.7                        | 318.8                                 | PCE      | NA                         | NA                         | 2.36                       | NA                         |
| 54-01016    | 274.7                        | 318.8                                 | TCA      | NA                         | NA                         | 4.26                       | NA                         |
| 54-01016    | 274.7                        | 318.8                                 | TCE      | NA                         | NA                         | 0.981                      | NA                         |
| 54-01016    | 336.3                        | 390.3                                 | Freon-11 | NA                         | NA                         | -0.061                     | NA                         |
| 54-01016    | 336.3                        | 390.3                                 | PCE      | NA                         | NA                         | 0.216                      | NA                         |
| 54-01016    | 336.3                        | 390.3                                 | TCA      | NA                         | NA                         | 1.5                        | NA                         |
| 54-01016    | 336.3                        | 390.3                                 | TCE      | NA                         | NA                         | 0.264                      | NA                         |
| 54-01016    | 414.3                        | 480.8                                 | Freon-11 | NA                         | NA                         | NA                         | NA                         |
| 54-01016    | 414.3                        | 480.8                                 | PCE      | NA                         | NA                         | NA                         | NA                         |
| 54-01016    | 414.3                        | 480.8                                 | TCA      | NA                         | NA                         | NA                         | NA                         |
| 54-01016    | 414.3                        | 480.8                                 | TCE      | NA                         | NA                         | NA                         | NA                         |
| 54-01016    | 459.5                        | 533.3                                 | Freon-11 | NA                         | NA                         | NA                         | NA                         |
| 54-01016    | 459.5                        | 533.3                                 | PCE      | NA                         | NA                         | NA                         | NA                         |
| 54-01016    | 459.5                        | 533.3                                 | TCA      | NA                         | NA                         | NA                         | NA                         |
| 54-01016    | 459.5                        | 533.3                                 | TCE      | NA                         | NA                         | NA                         | NA                         |
| 54-01016    | 517.6                        | 600.7                                 | Freon-11 | NA                         | NA                         | NA                         | NA                         |
| 54-01016    | 517.6                        | 600.7                                 | PCE      | NA                         | NA                         | NA                         | NA                         |
| 54-01016    | 517.6                        | 600.7                                 | TCA      | NA                         | NA                         | NA                         | NA                         |
| 54-01016    | 517.6                        | 600.7                                 | TCE      | NA                         | NA                         | NA                         | NA                         |
| 54-02001    | 20.0                         | 20.0                                  | Freon-11 | 2.82                       | 3.52                       | 1.18                       | 1.78                       |
| 54-02001    | 20.0                         | 20.0                                  | PCE      | 27.6                       | 29.1                       | 13.8                       | 28.2                       |
| 54-02001    | 20.0                         | 20.0                                  | TCA      | 214                        | 209                        | 76.9                       | 182                        |
| 54-02001    | 20.0                         | 20.0                                  | TCE      | 90.7                       | 93.8                       | 38.8                       | 91.6                       |
| 54-02001    | 40.0                         | 40.0                                  | Freon-11 | 3.79                       | 4.58                       | 1.23                       | 2.68                       |
| 54-02001    | 40.0                         | 40.0                                  | PCE      | 398                        | 47.5                       | 16.4                       | 43.7                       |
| 54-02001    | 40.0                         | 40.0                                  | TCA      | 315                        | 313                        | 88.7                       | 255                        |
| 54-02001    | 40.0                         | 40.0                                  | TCE      | 77.6                       | 83.7                       | 25.6                       | 73.3                       |
| 54-02001    | 60.0                         | 60.0                                  | Freon-11 | NA                         | NA                         | 0.113                      | 0.664                      |
| 54-02001    | 60.0                         | 60.0                                  | PCE      | NA                         | NA                         | 1.92                       | 10.9                       |
| 54-02001    | 60.0                         | 60.0                                  | TCA      | NA                         | NA                         | 10.4                       | 62.8                       |
| 54-02001    | 60.0                         | 60.0                                  | TCE      | NA                         | NA                         | 2.45                       | 15.3                       |
| 54-02001    | 80.0                         | 80.0                                  | Freon-11 | 3.35                       | 3.54                       | 0.921                      | 1.98                       |
| 54-02001    | 80.0                         | 80.0                                  | PCE      | 34.6                       | 35.8                       | 14.6                       | 32.6                       |
| 54-02001    | 80.0                         | 80.0                                  | TCA      | 315                        | 308                        | 938                        | 228                        |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-02001    | 80.0                         | 80.0                                  | TCE      | 48.6                       | 51.6                       | 18                         | 44                         |
| 54-02001    | 100.0                        | 100.0                                 | Freon-11 | 0.154                      | 2.38                       | 0.336                      | 1.31                       |
| 54-02001    | 100.0                        | 100.0                                 | PCE      | 4.26                       | 24.2                       | 4.61                       | 20                         |
| 54-02001    | 100.0                        | 100.0                                 | TCA      | 16.5                       | 251                        | 36.6                       | 161                        |
| 54-02001    | 100.0                        | 100.0                                 | TCE      | 5.6                        | 41.9                       | 6.32                       | 29.2                       |
| 54-02001    | 120.0                        | 120.0                                 | Freon-11 | 2.44                       | 1.82                       | 0.495                      | 1.7                        |
| 54-02001    | 120.0                        | 120.0                                 | PCE      | 14.3                       | 15.9                       | 4.61                       | 17.2                       |
| 54-02001    | 120.0                        | 120.0                                 | TCA      | 251                        | 269                        | 58.8                       | 220                        |
| 54-02001    | 120.0                        | 120.0                                 | TCE      | 37.1                       | 46.2                       | 9.5                        | 36.5                       |
| 54-02001    | 140.0                        | 140.0                                 | Freon-11 | 2.53                       | 2.2                        | 0.647                      | 1.98                       |
| 54-02001    | 140.0                        | 140.0                                 | PCE      | 17.1                       | 17.2                       | 6.51                       | 21.2                       |
| 54-02001    | 140.0                        | 140.0                                 | TCA      | 270                        | 283                        | 78.8                       | 254                        |
| 54-02001    | 140.0                        | 140.0                                 | TCE      | 41.4                       | 45                         | 12.6                       | 42                         |
| 54-02001    | 160.0                        | 160.0                                 | Freon-11 | 0.616                      | 1.68                       | NA                         | 0.641                      |
| 54-02001    | 160.0                        | 160.0                                 | PCE      | 3.92                       | 7.07                       | NA                         | 5.76                       |
| 54-02001    | 160.0                        | 160.0                                 | TCA      | 65.5                       | 148                        | NA                         | 74                         |
| 54-02001    | 160.0                        | 160.0                                 | TCE      | 12.7                       | 26.4                       | NA                         | 14                         |
| 54-02001    | 180.0                        | 180.0                                 | Freon-11 | NA                         | NA                         | NA                         | 0.237                      |
| 54-02001    | 180.0                        | 180.0                                 | PCE      | NA                         | NA                         | NA                         | 3.07                       |
| 54-02001    | 180.0                        | 180.0                                 | TCA      | NA                         | NA                         | NA                         | 17.7                       |
| 54-02001    | 180.0                        | 180.0                                 | TCE      | NA                         | NA                         | NA                         | 7.23                       |
| 54-02001    | 200.0                        | 200.0                                 | Freon-11 | 2.23                       | 0.198                      | 1.55                       | 1.65                       |
| 54-02001    | 200.0                        | 200.0                                 | PCE      | 9.55                       | 2.47                       | 9.05                       | 9.6                        |
| 54-02001    | 200.0                        | 200.0                                 | TCA      | 128                        | 25.5                       | 107                        | 125                        |
| 54-02001    | 200.0                        | 200.0                                 | TCE      | 26                         | 5.44                       | 22.3                       | 25.7                       |
| 54-02002    | 20                           | 20                                    | Freon-11 | NA                         | NA                         | NA                         | 0.26                       |
| 54-02002    | 20                           | 20                                    | PCE      | NA                         | NA                         | NA                         | 1.51                       |
| 54-02002    | 20                           | 20                                    | TCA      | NA                         | NA                         | NA                         | 6.8                        |
| 54-02002    | 20                           | 20                                    | TCE      | NA                         | NA                         | NA                         | 0.735                      |
| 54-02002    | 40                           | 40                                    | Freon-11 | 4.01                       | NA                         | NA                         | 10.6                       |
| 54-02002    | 40                           | 40                                    | PCE      | 18.7                       | NA                         | NA                         | 53.8                       |
| 54-02002    | 40                           | 40                                    | TCA      | 82.6                       | NA                         | NA                         | 224                        |
| 54-02002    | 40                           | 40                                    | TCE      | 10.2                       | NA                         | NA                         | 37.2                       |
| 54-02002    | 60                           | 60                                    | Freon-11 | 13.1                       | 8.97                       | 11                         | 9                          |
| 54-02002    | 60                           | 60                                    | PCE      | 58.2                       | 43                         | 58.5                       | 62.2                       |
| 54-02002    | 60                           | 60                                    | TCA      | 252                        | 194                        | 240                        | 269                        |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-02002    | 60                           | 60                                    | TCE      | 34.7                       | 27.1                       | 35.1                       | 39.5                       |
| 54-02002    | 80                           | 80                                    | Freon-11 | 7.48                       | NA                         | NA                         | 2.55                       |
| 54-02002    | 80                           | 80                                    | PCE      | 32.2                       | NA                         | NA                         | 17.9                       |
| 54-02002    | 80                           | 80                                    | TCA      | 139                        | NA                         | NA                         | 76.7                       |
| 54-02002    | 80                           | 80                                    | TCE      | 20.6                       | NA                         | NA                         | 13.5                       |
| 54-02002    | 100                          | 100                                   | Freon-11 | 15                         | 9.93                       | 12.3                       | 10.4                       |
| 54-02002    | 100                          | 100                                   | PCE      | 62.3                       | 44.9                       | 62                         | 67.6                       |
| 54-02002    | 100                          | 100                                   | TCA      | 265                        | 190                        | 240                        | 281                        |
| 54-02002    | 100                          | 100                                   | TCE      | 43                         | 32.4                       | 43.4                       | 48.3                       |
| 54-02002    | 120                          | 120                                   | Freon-11 | 15.3                       | 9.72                       | 12.8                       | 9.84                       |
| 54-02002    | 120                          | 120                                   | PCE      | 57.1                       | 39.6                       | 57.8                       | 56.9                       |
| 54-02002    | 120                          | 120                                   | TCA      | 249                        | 173                        | 220                        | 240                        |
| 54-02002    | 120                          | 120                                   | TCE      | 42.1                       | 30.6                       | 40.3                       | 43                         |
| 54-02002    | 140                          | 140                                   | Freon-11 | 15.9                       | 9.63                       | 132                        | 2.19                       |
| 54-02002    | 140                          | 140                                   | PCE      | 54.5                       | 36                         | 53.1                       | 20.5                       |
| 54-02002    | 140                          | 140                                   | TCA      | 237                        | 153                        | 201                        | 94.7                       |
| 54-02002    | 140                          | 140                                   | TCE      | 41                         | 28.3                       | 38.5                       | 15.5                       |
| 54-02002    | 157                          | 157                                   | Freon-11 | 15.6                       | 5.93                       | 5.27                       | 5.58                       |
| 54-02002    | 157                          | 157                                   | PCE      | 50.6                       | 21.1                       | 21.3                       | 28                         |
| 54-02002    | 157                          | 157                                   | TCA      | 205                        | 87.9                       | 77                         | 113                        |
| 54-02002    | 157                          | 157                                   | TCE      | 35.9                       | 17.4                       | 16.2                       | 21.2                       |
| 54-02002    | 180                          | 180                                   | Freon-11 | 14.4                       | 9.32                       | 12.6                       | 10.5                       |
| 54-02002    | 180                          | 180                                   | PCE      | 52.3                       | 38.1                       | 55.8                       | 59.7                       |
| 54-02002    | 180                          | 180                                   | TCA      | 212                        | 169                        | 215                        | 252                        |
| 54-02002    | 180                          | 180                                   | TCE      | 33.6                       | 30.5                       | 39.9                       | 45.7                       |
| 54-02002    | 200                          | 200                                   | Freon-11 | 14.8                       | 9.51                       | 12.9                       | 11.1                       |
| 54-02002    | 200                          | 200                                   | PCE      | 45.6                       | 31.9                       | 46.7                       | 50.7                       |
| 54-02002    | 200                          | 200                                   | TCA      | 148                        | 115                        | 151                        | 179                        |
| 54-02002    | 200                          | 200                                   | TCE      | 26                         | 24                         | 33.4                       | 38.3                       |
| 54-02016    | 18.0                         | 18.0                                  | Freon-11 | NA                         | NA                         | NA                         | NA                         |
| 54-02016    | 18.0                         | 18.0                                  | PCE      | NA                         | NA                         | NA                         | NA                         |
| 54-02016    | 18.0                         | 18.0                                  | TCA      | NA                         | NA                         | NA                         | NA                         |
| 54-02016    | 18.0                         | 18.0                                  | TCE      | NA                         | NA                         | NA                         | NA                         |
| 54-02016    | 31.0                         | 31.0                                  | Freon-11 | 20.3                       | 14.8                       | 16.7                       | NA                         |
| 54-02016    | 31.0                         | 31.0                                  | PCE      | 98.6                       | 75                         | 92.1                       | NA                         |
| 54-02016    | 31.0                         | 31.0                                  | TCA      | 351                        | 246                        | 274                        | NA                         |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-02016    | 31.0                         | 31.0                                  | TCE      | 55.1                       | 35.7                       | 41.6                       | NA                         |
| 54-02016    | 82.0                         | 82.0                                  | Freon-11 | NA                         | NA                         | 11.4                       | 8.3                        |
| 54-02016    | 82.0                         | 82.0                                  | PCE      | NA                         | NA                         | 62                         | 61                         |
| 54-02016    | 82.0                         | 82.0                                  | TCA      | NA                         | NA                         | 163                        | 229                        |
| 54-02016    | 82.0                         | 82.0                                  | TCE      | NA                         | NA                         | 19.8                       | 32.8                       |
| 54-02021    | 20                           | 20                                    | Freon-11 | 0.299                      | 0.185                      | 0.149                      | 0.8                        |
| 54-02021    | 20                           | 20                                    | PCE      | 1.54                       | 1.53                       | 0.567                      | 4.73                       |
| 54-02021    | 20                           | 20                                    | TCA      | 16.1                       | 23.5                       | 6.22                       | 49.4                       |
| 54-02021    | 20                           | 20                                    | TCE      | 3.77                       | 2.44                       | 1.6                        | 9.96                       |
| 54-02021    | 40                           | 40                                    | Freon-11 | NA                         | NA                         | NA                         | 0.173                      |
| 54-02021    | 40                           | 40                                    | PCE      | NA                         | NA                         | NA                         | 0.855                      |
| 54-02021    | 40                           | 40                                    | TCA      | NA                         | NA                         | NA                         | 13.5                       |
| 54-02021    | 40                           | 40                                    | TCE      | NA                         | NA                         | NA                         | 2.78                       |
| 54-02021    | 60                           | 60                                    | Freon-11 | 0.378                      | 0.965                      | 0.111                      | 0.216                      |
| 54-02021    | 60                           | 60                                    | PCE      | 1.94                       | 2.22                       | 0.448                      | 1.8                        |
| 54-02021    | 60                           | 60                                    | TCA      | 33.2                       | 47.8                       | 6.47                       | 35.2                       |
| 54-02021    | 60                           | 60                                    | TCE      | 6.65                       | 6.17                       | 1.36                       | 6.78                       |
| 54-02021    | 80                           | 80                                    | Freon-11 | NA                         | NA                         | 0.0499                     | 0.101                      |
| 54-02021    | 80                           | 80                                    | PCE      | NA                         | NA                         | 0.553                      | 0.934                      |
| 54-02021    | 80                           | 80                                    | TCA      | NA                         | NA                         | 5.56                       | 13.6                       |
| 54-02021    | 80                           | 80                                    | TCE      | NA                         | NA                         | 1.08                       | 2.73                       |
| 54-02021    | 100                          | 100                                   | Freon-11 | 0.671                      | 0.541                      | 0.0837                     | 0.493                      |
| 54-02021    | 100                          | 100                                   | PCE      | 3.43                       | 3.34                       | 0.57                       | 3.59                       |
| 54-02021    | 100                          | 100                                   | TCA      | 57.1                       | 75.5                       | 12.1                       | 61.4                       |
| 54-02021    | 100                          | 100                                   | TCE      | 10.4                       | 13.5                       | 2.3                        | 10.7                       |
| 54-02021    | 120                          | 120                                   | Freon-11 | NA                         | NA                         | 0.0531                     | 0.142                      |
| 54-02021    | 120                          | 120                                   | PCE      | NA                         | NA                         | -0.374                     | 0.285                      |
| 54-02021    | 120                          | 120                                   | TCA      | NA                         | NA                         | 5.94                       | 4.99                       |
| 54-02021    | 120                          | 120                                   | TCE      | NA                         | NA                         | 1.61                       | 0.813                      |
| 54-02021    | 140                          | 140                                   | Freon-11 | 0.994                      | 0.993                      | 0.189                      | 0.689                      |
| 54-02021    | 140                          | 140                                   | PCE      | 4.61                       | 3.58                       | 1.13                       | 4.55                       |
| 54-02021    | 140                          | 140                                   | TCA      | 68.8                       | 75.5                       | 16.2                       | 74                         |
| 54-02021    | 140                          | 140                                   | TCE      | 12.7                       | 13.5                       | 2.91                       | 13.2                       |
| 54-02021    | 160                          | 160                                   | Freon-11 | 0.55                       | NA                         | 0.314                      | 0.262                      |
| 54-02021    | 160                          | 160                                   | PCE      | 2.7                        | NA                         | 1.67                       | 1.89                       |
| 54-02021    | 160                          | 160                                   | TCA      | 34.7                       | NA                         | 24.8                       | 25.4                       |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-02021    | 160                          | 160                                   | TCE      | 7.28                       | NA                         | 4.93                       | 5.14                       |
| 54-02021    | 180                          | 180                                   | Freon-11 | 1.01                       | 0.836                      | 0.866                      | 0.716                      |
| 54-02021    | 180                          | 180                                   | PCE      | 4.75                       | 4.55                       | 4.43                       | 4.3                        |
| 54-02021    | 180                          | 180                                   | TCA      | 65.6                       | 73.2                       | 60.7                       | 73                         |
| 54-02021    | 180                          | 180                                   | TCE      | 12.6                       | 13.7                       | 11.2                       | 13.2                       |
| 54-02021    | 198                          | 198                                   | Freon-11 | 1.1                        | 1.16                       | 0.807                      | 0.891                      |
| 54-02021    | 198                          | 198                                   | PCE      | 4.55                       | 4.06                       | 3.96                       | 4.36                       |
| 54-02021    | 198                          | 198                                   | TCA      | 43.9                       | 51.8                       | 40.9                       | 53.3                       |
| 54-02021    | 198                          | 198                                   | TCE      | 9.86                       | 10.2                       | 8.83                       | 10.6                       |
| 54-02022    | 20                           | 20                                    | Freon-11 | NA                         | 0.498                      | 0.338                      | 0.25                       |
| 54-02022    | 20                           | 20                                    | PCE      | NA                         | 2.6                        | 2.7                        | 2.91                       |
| 54-02022    | 20                           | 20                                    | TCA      | NA                         | 56.4                       | 29.8                       | 44.5                       |
| 54-02022    | 20                           | 20                                    | TCE      | NA                         | 7.48                       | 5.6                        | 7.46                       |
| 54-02022    | 40                           | 40                                    | Freon-11 | 0.777                      | 0.205                      | 0.661                      | 0.427                      |
| 54-02022    | 40                           | 40                                    | PCE      | 4.85                       | 1.3                        | 5.55                       | 4.96                       |
| 54-02022    | 40                           | 40                                    | TCA      | 90.5                       | 30.4                       | 74.3                       | 79.2                       |
| 54-02022    | 40                           | 40                                    | TCE      | 13.8                       | 4.95                       | 12.7                       | 13                         |
| 54-02022    | 60                           | 60                                    | Freon-11 | 0.818                      | 0.922                      | 0.789                      | 0.54                       |
| 54-02022    | 60                           | 60                                    | PCE      | 5.23                       | 4.55                       | 5.66                       | 5.35                       |
| 54-02022    | 60                           | 60                                    | TCA      | 110                        | 114                        | 89.3                       | 93.5                       |
| 54-02022    | 60                           | 60                                    | TCE      | 16.4                       | 16.7                       | 14.3                       | 14.9                       |
| 54-02022    | 80                           | 80                                    | Freon-11 | 1.07                       | 1.08                       | 0.738                      | 0.606                      |
| 54-02022    | 80                           | 80                                    | PCE      | 5.31                       | 5.57                       | 5.62                       | 5.49                       |
| 54-02022    | 80                           | 80                                    | TCA      | 124                        | 120                        | 98.1                       | 103                        |
| 54-02022    | 80                           | 80                                    | TCE      | 18.3                       | 17.4                       | 15.7                       | 15.9                       |
| 54-02022    | 100                          | 100                                   | Freon-11 | 0.23                       | NA                         | 0.274                      | 0.444                      |
| 54-02022    | 100                          | 100                                   | PCE      | 1.5                        | NA                         | 190                        | 3.36                       |
| 54-02022    | 100                          | 100                                   | TCA      | 39                         | NA                         | 28.7                       | 71.6                       |
| 54-02022    | 100                          | 100                                   | TCE      | 6.73                       | NA                         | 5.11                       | 10.7                       |
| 54-02022    | 120                          | 120                                   | Freon-11 | 1.24                       | 1.13                       | 0.922                      | 0.733                      |
| 54-02022    | 120                          | 120                                   | PCE      | 5.14                       | 5.06                       | 5.7                        | 5.12                       |
| 54-02022    | 120                          | 120                                   | TCA      | 135                        | 136                        | 107                        | 116                        |
| 54-02022    | 120                          | 120                                   | TCE      | 21.5                       | 21                         | 17.3                       | 18.1                       |
| 54-02022    | 140                          | 140                                   | Freon-11 | 1.34                       | 1.18                       | 0.965                      | 0.844                      |
| 54-02022    | 140                          | 140                                   | PCE      | 5.6                        | 4.16                       | 5.1                        | 4.55                       |
| 54-02022    | 140                          | 140                                   | TCA      | 115                        | 118                        | 89.4                       | 98                         |



Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-02022    | 140                          | 140                                   | TCE      | 19.6                       | 20.1                       | 15.7                       | 15.9                       |
| 54-02022    | 160                          | 160                                   | Freon-11 | 1.5                        | 1.31                       | 1.01                       | 0.863                      |
| 54-02022    | 160                          | 160                                   | PCE      | 5.15                       | 4.35                       | 5.31                       | 4.89                       |
| 54-02022    | 160                          | 160                                   | TCA      | 94.5                       | 101                        | 81.6                       | 97.6                       |
| 54-02022    | 160                          | 160                                   | TCE      | 16.5                       | 17.7                       | 14.9                       | 16.9                       |
| 54-02022    | 180                          | 180                                   | Freon-11 | 1.25                       | 1.04                       | 0.924                      | 0.854                      |
| 54-02022    | 180                          | 180                                   | PCE      | 4.45                       | 3.32                       | 4.5                        | 4.45                       |
| 54-02022    | 180                          | 180                                   | TCA      | 69                         | 75.7                       | 60.4                       | 77                         |
| 54-02022    | 180                          | 180                                   | TCE      | 13.5                       | 14.6                       | 12                         | 14                         |
| 54-02022    | 200                          | 200                                   | Freon-11 | 1.1                        | 1.15                       | 0.91                       | 0.824                      |
| 54-02022    | 200                          | 200                                   | PCE      | 3.55                       | 3.96                       | 4.15                       | 3.83                       |
| 54-02022    | 200                          | 200                                   | TCA      | 50.9                       | 55.9                       | 45.3                       | 59.8                       |
| 54-02022    | 200                          | 200                                   | TCE      | 11.1                       | 11                         | 9.66                       | 11.4                       |
| 54-02023    | 20                           | 20                                    | Freon-11 | NA                         | 0.847                      | 0.517                      | 0.481                      |
| 54-02023    | 20                           | 20                                    | PCE      | NA                         | 2.35                       | 2.76                       | 2.57                       |
| 54-02023    | 20                           | 20                                    | TCA      | NA                         | -12                        | 11.6                       | 5.41                       |
| 54-02023    | 20                           | 20                                    | TCE      | NA                         | 1.41                       | 2.37                       | 2.24                       |
| 54-02023    | 40                           | 40                                    | Freon-11 | NA                         | 0.829                      | 0.648                      | 0.548                      |
| 54-02023    | 40                           | 40                                    | PCE      | NA                         | 2.67                       | 2.77                       | 3                          |
| 54-02023    | 40                           | 40                                    | TCA      | NA                         | -6.6                       | 16.4                       | 6.37                       |
| 54-02023    | 40                           | 40                                    | TCE      | NA                         | 2.17                       | 3.27                       | 2.82                       |
| 54-02023    | 60                           | 60                                    | Freon-11 | NA                         | 1.67                       | 1.76                       | 1.52                       |
| 54-02023    | 60                           | 60                                    | PCE      | NA                         | 5.73                       | 7.3                        | 6.89                       |
| 54-02023    | 60                           | 60                                    | TCA      | NA                         | 7.75                       | 20.4                       | 14.7                       |
| 54-02023    | 60                           | 60                                    | TCE      | NA                         | 3.27                       | 4.89                       | 4.89                       |
| 54-02023    | 80                           | 80                                    | Freon-11 | NA                         | 1.12                       | 1.52                       | 0.803                      |
| 54-02023    | 80                           | 80                                    | PCE      | NA                         | 3.64                       | 6.21                       | 3.91                       |
| 54-02023    | 80                           | 80                                    | TCA      | NA                         | 2.85                       | 20.5                       | 7.41                       |
| 54-02023    | 80                           | 80                                    | TCE      | NA                         | 2.32                       | 4.01                       | 1.99                       |
| 54-02023    | 100                          | 100                                   | Freon-11 | NA                         | 1.13                       | 1.3                        | 1.29                       |
| 54-02023    | 100                          | 100                                   | PCE      | NA                         | 4.08                       | 5.33                       | 5.67                       |
| 54-02023    | 100                          | 100                                   | TCA      | NA                         | 4.05                       | 20.6                       | 14.3                       |
| 54-02023    | 100                          | 100                                   | TCE      | NA                         | 2.87                       | 3.92                       | 4.19                       |
| 54-02023    | 120                          | 120                                   | Freon-11 | NA                         | 1.3                        | 1.43                       | 1.19                       |
| 54-02023    | 120                          | 120                                   | PCE      | NA                         | 4.61                       | 5.81                       | 5.53                       |
| 54-02023    | 120                          | 120                                   | TCA      | NA                         | 7.05                       | 21.8                       | 13.9                       |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-02023    | 120                          | 120                                   | TCE      | NA                         | 3.09                       | 4.63                       | 3.8                        |
| 54-02023    | 140                          | 140                                   | Freon-11 | NA                         | 0.939                      | 1.42                       | 0.153                      |
| 54-02023    | 140                          | 140                                   | PCE      | NA                         | 3.29                       | 5.27                       | 0.471                      |
| 54-02023    | 140                          | 140                                   | TCA      | NA                         | 5.34                       | 20.2                       | 1.9                        |
| 54-02023    | 140                          | 140                                   | TCE      | NA                         | 1.91                       | 4.13                       | 1.35                       |
| 54-02023    | 159                          | 159                                   | Freon-11 | NA                         | 1.62                       | 1.4                        | 0.804                      |
| 54-02023    | 159                          | 159                                   | PCE      | NA                         | 5.76                       | 5.35                       | 4.76                       |
| 54-02023    | 159                          | 159                                   | TCA      | NA                         | 10.1                       | 15.6                       | 10.1                       |
| 54-02023    | 159                          | 159                                   | TCE      | NA                         | 3.16                       | 3.27                       | 3.15                       |
| 54-02023    | 180                          | 180                                   | Freon-11 | NA                         | NA                         | 1.41                       | 0.221                      |
| 54-02023    | 180                          | 180                                   | PCE      | NA                         | NA                         | 5.1                        | 0.526                      |
| 54-02023    | 180                          | 180                                   | TCA      | NA                         | NA                         | 14.7                       | 0.986                      |
| 54-02023    | 180                          | 180                                   | TCE      | NA                         | NA                         | 3.17                       | 0.655                      |
| 54-02023    | 200                          | 200                                   | Freon-11 | NA                         | 1.69                       | 1.01                       | 1.58                       |
| 54-02023    | 200                          | 200                                   | PCE      | NA                         | 6.15                       | 4.97                       | 8                          |
| 54-02023    | 200                          | 200                                   | TCA      | NA                         | 9.98                       | 14.2                       | 17.4                       |
| 54-02023    | 200                          | 200                                   | TCE      | NA                         | 3.26                       | 1.98                       | 4.72                       |
| 54-02024    | 20                           | 20                                    | Freon-11 | 0.818                      | 0.731                      | 0.768                      | 0.565                      |
| 54-02024    | 20                           | 20                                    | PCE      | 3.75                       | 2.79                       | 3.24                       | 3.13                       |
| 54-02024    | 20                           | 20                                    | TCA      | 8.11                       | 3.37                       | 4.35                       | 6.84                       |
| 54-02024    | 20                           | 20                                    | TCE      | 2.25                       | 1.94                       | 2.67                       | 2.93                       |
| 54-02024    | 40                           | 40                                    | Freon-11 | 0.827                      | 0.832                      | 0.997                      | 0.831                      |
| 54-02024    | 40                           | 40                                    | PCE      | 3.64                       | 3.04                       | 3.95                       | 3.98                       |
| 54-02024    | 40                           | 40                                    | TCA      | 10.6                       | 4.59                       | 8.04                       | 10.7                       |
| 54-02024    | 40                           | 40                                    | TCE      | 3.57                       | 2.23                       | 2.8                        | 3.38                       |
| 54-02024    | 60                           | 60                                    | Freon-11 | 1.49                       | 1.03                       | 1.34                       | 1.1                        |
| 54-02024    | 60                           | 60                                    | PCE      | 5.57                       | 3.72                       | 5.24                       | 5.51                       |
| 54-02024    | 60                           | 60                                    | TCA      | 13.4                       | 7.1                        | 11.8                       | 15.9                       |
| 54-02024    | 60                           | 60                                    | TCE      | 3.18                       | 2.81                       | 3.42                       | 4.15                       |
| 54-02024    | 80                           | 80                                    | Freon-11 | 1.67                       | 1.83                       | 1.71                       | 1.38                       |
| 54-02024    | 80                           | 80                                    | PCE      | 6.28                       | 4.68                       | 6.48                       | 6.72                       |
| 54-02024    | 80                           | 80                                    | TCA      | 18.4                       | 10.5                       | 17.5                       | 21.3                       |
| 54-02024    | 80                           | 80                                    | TCE      | 5.05                       | 3.38                       | 4.27                       | 5.16                       |
| 54-02024    | 100                          | 100                                   | Freon-11 | 2.06                       | 1.62                       | 2.04                       | 1.67                       |
| 54-02024    | 100                          | 100                                   | PCE      | 7.13                       | 5.75                       | 7.72                       | 7.88                       |
| 54-02024    | 100                          | 100                                   | TCA      | 22.4                       | 12.4                       | 20.7                       | 23.7                       |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-02024    | 100                          | 100                                   | TCE      | 5.6                        | 3.8                        | 4.91                       | 5.61                       |
| 54-02024    | 120                          | 120                                   | Freon-11 | 2.59                       | NA                         | NA                         | NA                         |
| 54-02024    | 120                          | 120                                   | PCE      | 6.88                       | NA                         | NA                         | NA                         |
| 54-02024    | 120                          | 120                                   | TCA      | 22.9                       | NA                         | NA                         | NA                         |
| 54-02024    | 120                          | 120                                   | TCE      | 6.44                       | NA                         | NA                         | NA                         |
| 54-02024    | 140                          | 140                                   | Freon-11 | 2.92                       | NA                         | 2.33                       | 1.67                       |
| 54-02024    | 140                          | 140                                   | PCE      | 8.93                       | NA                         | 8.78                       | 7.72                       |
| 54-02024    | 140                          | 140                                   | TCA      | 25.9                       | NA                         | 21.3                       | 22.3                       |
| 54-02024    | 140                          | 140                                   | TCE      | 5.8                        | NA                         | 5.25                       | 5.14                       |
| 54-02024    | 160                          | 160                                   | Freon-11 | 3.25                       | 2.25                       | 2.7                        | 2.3                        |
| 54-02024    | 160                          | 160                                   | PCE      | 10.7                       | 7.8                        | 10.2                       | 10.8                       |
| 54-02024    | 160                          | 160                                   | TCA      | 29.1                       | 17.5                       | 24.5                       | 30.4                       |
| 54-02024    | 160                          | 160                                   | TCE      | 6.49                       | 4.78                       | 5.94                       | 6.86                       |
| 54-02024    | 180                          | 180                                   | Freon-11 | 3.41                       | 2.31                       | 2.82                       | 2.25                       |
| 54-02024    | 180                          | 180                                   | PCE      | 11                         | 8.07                       | 10.6                       | 10.4                       |
| 54-02024    | 180                          | 180                                   | TCA      | 29.2                       | 17.9                       | 24.6                       | 28.4                       |
| 54-02024    | 180                          | 180                                   | TCE      | 6.8                        | 4.86                       | 5.78                       | 6.3                        |
| 54-02024    | 200                          | 200                                   | Freon-11 | 3.67                       | 2.07                       | 2.3                        | 1.27                       |
| 54-02024    | 200                          | 200                                   | PCE      | 11.5                       | 7.24                       | 8.63                       | 5.83                       |
| 54-02024    | 200                          | 200                                   | TCA      | 27                         | 14.6                       | 19.6                       | 14.7                       |
| 54-02024    | 200                          | 200                                   | TCE      | 5.82                       | 3.93                       | 4.62                       | 2.25                       |
| 54-02025    | 20                           | 20                                    | Freon-11 | 2.57                       | 1.99                       | 2.46                       | 1.94                       |
| 54-02025    | 20                           | 20                                    | PCE      | 9.25                       | 7.89                       | 11.1                       | 11                         |
| 54-02025    | 20                           | 20                                    | TCA      | 395                        | 27.9                       | 42.7                       | 48.2                       |
| 54-02025    | 20                           | 20                                    | TCE      | 7.21                       | 5.74                       | 7.58                       | 8.6                        |
| 54-02025    | 60                           | 60                                    | Freon-11 | 0.118                      | NA                         | NA                         | 0.363                      |
| 54-02025    | 60                           | 60                                    | PCE      | 0.757                      | NA                         | NA                         | 1.42                       |
| 54-02025    | 60                           | 60                                    | TCA      | 0.888                      | NA                         | NA                         | 6.71                       |
| 54-02025    | 60                           | 60                                    | TCE      | 0.822                      | NA                         | NA                         | 0.853                      |
| 54-02025    | 100                          | 100                                   | Freon-11 | 5.99                       | 4.27                       | 5.47                       | 4.45                       |
| 54-02025    | 100                          | 100                                   | PCE      | 19.5                       | 15.2                       | 21                         | 21.8                       |
| 54-02025    | 100                          | 100                                   | TCA      | 81.4                       | 57.5                       | 74.9                       | 86.5                       |
| 54-02025    | 100                          | 100                                   | TCE      | 14.8                       | 11.2                       | 14.7                       | 16.5                       |
| 54-02025    | 160                          | 160                                   | Freon-11 | 7.64                       | 5.32                       | 6.73                       | 5.62                       |
| 54-02025    | 160                          | 160                                   | PCE      | 24.1                       | 18.5                       | 25.2                       | 26.9                       |
| 54-02025    | 160                          | 160                                   | TCA      | 88.5                       | 62                         | 79.3                       | 93.9                       |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-02025    | 160                          | 160                                   | TCE      | 16.3                       | 12                         | 15.7                       | 18.1                       |
| 54-02025    | 190                          | 190                                   | Freon-11 | 6.2                        | 6.5                        | 7                          | 6.35                       |
| 54-02025    | 190                          | 190                                   | PCE      | 19.3                       | 19.2                       | 25.9                       | 29.6                       |
| 54-02025    | 190                          | 190                                   | TCA      | 60.7                       | 55                         | 67.6                       | 88.3                       |
| 54-02025    | 190                          | 190                                   | TCE      | 12.2                       | 11.5                       | 14                         | 18.4                       |
| 54-02026    | 20                           | 20                                    | Freon-11 | NA                         | 0.117                      | 0.062                      | 0.0822                     |
| 54-02026    | 20                           | 20                                    | PCE      | NA                         | 0.551                      | 0.53                       | 0.518                      |
| 54-02026    | 20                           | 20                                    | TCA      | NA                         | -7.5                       | -1.8                       | -1.4                       |
| 54-02026    | 20                           | 20                                    | TCE      | NA                         | 0.444                      | 1.03                       | 0.703                      |
| 54-02026    | 60                           | 60                                    | Freon-11 | NA                         | 0.158                      | 0.094                      | 0.151                      |
| 54-02026    | 60                           | 60                                    | PCE      | NA                         | 0.814                      | 0.926                      | 0.733                      |
| 54-02026    | 60                           | 60                                    | TCA      | NA                         | -8.2                       | -0.474                     | 1.01                       |
| 54-02026    | 60                           | 60                                    | TCE      | NA                         | 0.579                      | 1.1                        | 0.74                       |
| 54-02026    | 100                          | 100                                   | Freon-11 | NA                         | 0.209                      | 0.201                      | 0.148                      |
| 54-02026    | 100                          | 100                                   | PCE      | NA                         | 0.972                      | 1.09                       | 1.07                       |
| 54-02026    | 100                          | 100                                   | TCA      | NA                         | -7.2                       | 0.576                      | 2.34                       |
| 54-02026    | 100                          | 100                                   | TCE      | NA                         | 0.552                      | 1.06                       | 1.06                       |
| 54-02026    | 160                          | 160                                   | Freon-11 | NA                         | 0.259                      | 0.296                      | 0.315                      |
| 54-02026    | 160                          | 160                                   | PCE      | NA                         | 1.11                       | 1.71                       | 1.53                       |
| 54-02026    | 160                          | 160                                   | TCA      | NA                         | -4.8                       | 1.83                       | 3.46                       |
| 54-02026    | 160                          | 160                                   | TCE      | NA                         | 0.631                      | 1.19                       | 1.07                       |
| 54-02026    | 200                          | 200                                   | Freon-11 | NA                         | 0.269                      | 0.324                      | 0.311                      |
| 54-02026    | 200                          | 200                                   | PCE      | NA                         | 1.19                       | 1.63                       | 1.62                       |
| 54-02026    | 200                          | 200                                   | TCA      | NA                         | -4.4                       | 1.7                        | 2.97                       |
| 54-02026    | 200                          | 200                                   | TCE      | NA                         | 0.585                      | 1.05                       | 1.1                        |
| 54-02026    | 215                          | 215                                   | Freon-11 | NA                         | 0.14                       | 0.203                      | 0.295                      |
| 54-02026    | 215                          | 215                                   | PCE      | NA                         | 0.863                      | 1.01                       | 1.34                       |
| 54-02026    | 215                          | 215                                   | TCA      | NA                         | -3.1                       | 0.803                      | 2.37                       |
| 54-02026    | 215                          | 215                                   | TCE      | NA                         | 0.515                      | 0.773                      | 0.85                       |
| 54-02027    | 20                           | 20                                    | Freon-11 | 0.551                      | 0.34                       | 0.403                      | 0.308                      |
| 54-02027    | 20                           | 20                                    | PCE      | 2.25                       | 1.5                        | 2.01                       | 1.98                       |
| 54-02027    | 20                           | 20                                    | TCA      | 2.22                       | -3.2                       | 2.05                       | 3.6                        |
| 54-02027    | 20                           | 20                                    | TCE      | 0.89                       | 0.89                       | 1.44                       | 1.47                       |
| 54-02027    | 60                           | 60                                    | Freon-11 | 1.39                       | 0.765                      | 0.989                      | 0.726                      |
| 54-02027    | 60                           | 60                                    | PCE      | 3.92                       | 2.8                        | 4.13                       | 3.95                       |
| 54-02027    | 60                           | 60                                    | TCA      | 8.22                       | 2.55                       | 8.15                       | 10.4                       |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-02027    | 60                           | 60                                    | TCE      | 1.67                       | 1.67                       | 2.41                       | 2.68                       |
| 54-02027    | 100                          | 100                                   | Freon-11 | 1.6                        | 1.06                       | 1.34                       | 1                          |
| 54-02027    | 100                          | 100                                   | PCE      | 5.3                        | 3.69                       | 5.57                       | 5.08                       |
| 54-02027    | 100                          | 100                                   | TCA      | 12.3                       | 5.67                       | 12                         | 13.9                       |
| 54-02027    | 100                          | 100                                   | TCE      | 2.69                       | 2.07                       | 3.01                       | 3.21                       |
| 54-02027    | 160                          | 160                                   | Freon-11 | 1.83                       | 1.32                       | 1.75                       | 1.47                       |
| 54-02027    | 160                          | 160                                   | PCE      | 6.68                       | 5.01                       | 7.29                       | 7.34                       |
| 54-02027    | 160                          | 160                                   | TCA      | 13.9                       | 8                          | 14.3                       | 17.4                       |
| 54-02027    | 160                          | 160                                   | TCE      | 3.41                       | 2.36                       | 3.44                       | 3.28                       |
| 54-02027    | 200                          | 200                                   | Freon-11 | 1.92                       | 1.32                       | 1.71                       | 1.4                        |
| 54-02027    | 200                          | 200                                   | PCE      | 6.95                       | 5.1                        | 7.02                       | 6.78                       |
| 54-02027    | 200                          | 200                                   | TCA      | 12.8                       | 7                          | 12.1                       | 14.3                       |
| 54-02027    | 200                          | 200                                   | TCE      | 2.78                       | 2.16                       | 2.8                        | 2.51                       |
| 54-02027    | 220                          | 220                                   | Freon-11 | 1.7                        | 1.25                       | 1.67                       | 1.31                       |
| 54-02027    | 220                          | 220                                   | PCE      | 6.77                       | 4.83                       | 6.88                       | 6.75                       |
| 54-02027    | 220                          | 220                                   | TCA      | 10.7                       | 5.88                       | 10.5                       | 13.2                       |
| 54-02027    | 220                          | 220                                   | TCE      | 2.89                       | 1.92                       | 2.62                       | 2.97                       |
| 54-02027    | 250                          | 250                                   | Freon-11 | 1.53                       | 1.04                       | 1.39                       | 1.18                       |
| 54-02027    | 250                          | 250                                   | PCE      | 5.56                       | 4.13                       | 5.71                       | 5.73                       |
| 54-02027    | 250                          | 250                                   | TCA      | 6.21                       | 3.05                       | 7.68                       | 9.33                       |
| 54-02027    | 250                          | 250                                   | TCE      | 1.95                       | 1.5                        | 2.09                       | 2.17                       |
| 54-02028    | 20                           | 20                                    | Freon-11 | NA                         | 0.19                       | 0.133                      | 0.106                      |
| 54-02028    | 20                           | 20                                    | PCE      | NA                         | 0.711                      | 0.779                      | 0.393                      |
| 54-02028    | 20                           | 20                                    | TCA      | NA                         | -2                         | -0.143                     | -1.5                       |
| 54-02028    | 20                           | 20                                    | TCE      | NA                         | 0.51                       | 1.05                       | 0.688                      |
| 54-02028    | 60                           | 60                                    | Freon-11 | NA                         | 0.118                      | 0.163                      | 0.177                      |
| 54-02028    | 60                           | 60                                    | PCE      | NA                         | 0.897                      | 0.839                      | 0.828                      |
| 54-02028    | 60                           | 60                                    | TCA      | NA                         | -1.6                       | 0.0231                     | -0.072                     |
| 54-02028    | 60                           | 60                                    | TCE      | NA                         | 0.675                      | 1.03                       | 0.848                      |
| 54-02028    | 100                          | 100                                   | Freon-11 | NA                         | 0.285                      | 0.295                      | 0.274                      |
| 54-02028    | 100                          | 100                                   | PCE      | NA                         | 1.24                       | 1.26                       | 1.26                       |
| 54-02028    | 100                          | 100                                   | TCA      | NA                         | -1.3                       | 0.623                      | 0.726                      |
| 54-02028    | 100                          | 100                                   | TCE      | NA                         | 0.493                      | 1.02                       | 0.674                      |
| 54-02028    | 160                          | 160                                   | Freon-11 | NA                         | 0.243                      | 0.302                      | 0.341                      |
| 54-02028    | 160                          | 160                                   | PCE      | NA                         | 1.09                       | 0.982                      | 0.568                      |
| 54-02028    | 160                          | 160                                   | TCA      | NA                         | -0.558                     | 0.437                      | 0.949                      |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-02028    | 160                          | 160                                   | TCE      | NA                         | 0.915                      | 0.688                      | 0.457                      |
| 54-02028    | 200                          | 200                                   | Freon-11 | NA                         | 0.329                      | 0.313                      | 0.449                      |
| 54-02028    | 200                          | 200                                   | PCE      | NA                         | 1.48                       | 1.83                       | 1.85                       |
| 54-02028    | 200                          | 200                                   | TCA      | NA                         | -0.702                     | 1.27                       | 1.54                       |
| 54-02028    | 200                          | 200                                   | TCE      | NA                         | 0.757                      | 1.2                        | 0.457                      |
| 54-02028    | 220                          | 220                                   | Freon-11 | NA                         | 0.425                      | 0.335                      | 0.347                      |
| 54-02028    | 220                          | 220                                   | PCE      | NA                         | 1.69                       | 1.82                       | 1.88                       |
| 54-02028    | 220                          | 220                                   | TCA      | NA                         | -1                         | 1.05                       | 1.96                       |
| 54-02028    | 220                          | 220                                   | TCE      | NA                         | 0.294                      | 1.3                        | 0.858                      |
| 54-02028    | 250                          | 250                                   | Freon-11 | NA                         | 0.39                       | 0.272                      | 0.278                      |
| 54-02028    | 250                          | 250                                   | PCE      | NA                         | 1.34                       | 1.45                       | 0.892                      |
| 54-02028    | 250                          | 250                                   | TCA      | NA                         | -0.988                     | 0.548                      | 1.1                        |
| 54-02028    | 250                          | 250                                   | TCE      | NA                         | 0.126                      | 0.901                      | 0.815                      |
| 54-02031    | 20                           | 20                                    | Freon-11 | 0.333                      | 0.459                      | 0.162                      | 0.23                       |
| 54-02031    | 20                           | 20                                    | PCE      | 1.65                       | 2.61                       | 1.86                       | 2.1                        |
| 54-02031    | 20                           | 20                                    | TCA      | 9.37                       | -3.4                       | 5.2                        | 10.7                       |
| 54-02031    | 20                           | 20                                    | TCE      | 3.12                       | 3.52                       | 3.12                       | 3.87                       |
| 54-02031    | 60                           | 60                                    | Freon-11 | 0.797                      | 0.838                      | 0.48                       | 0.41                       |
| 54-02031    | 60                           | 60                                    | PCE      | 3.79                       | 4.5                        | 2.87                       | 3.62                       |
| 54-02031    | 60                           | 60                                    | TCA      | 22.5                       | 16.4                       | 13.6                       | 21.9                       |
| 54-02031    | 60                           | 60                                    | TCE      | 6.38                       | 6.84                       | 4.64                       | 6.65                       |
| 54-02031    | 100                          | 100                                   | Freon-11 | 1.11                       | 1.18                       | 0.663                      | 0.902                      |
| 54-02031    | 100                          | 100                                   | PCE      | 5.29                       | 5.82                       | 3.33                       | 5.78                       |
| 54-02031    | 100                          | 100                                   | TCA      | 31.4                       | 26.8                       | 18.3                       | 32.4                       |
| 54-02031    | 100                          | 100                                   | TCE      | 8.19                       | 8.11                       | 5.14                       | 7.78                       |
| 54-02031    | 160                          | 160                                   | Freon-11 | 1.39                       | 1.41                       | 0.556                      | 1.09                       |
| 54-02031    | 160                          | 160                                   | PCE      | 6.15                       | 6.39                       | 3.14                       | 6.9                        |
| 54-02031    | 160                          | 160                                   | TCA      | 31                         | 27.8                       | 14.3                       | 31.9                       |
| 54-02031    | 160                          | 160                                   | TCE      | 8.24                       | 8.27                       | 4.47                       | 7.81                       |
| 54-02031    | 200                          | 200                                   | Freon-11 | 1.49                       | 1.1                        | 1.25                       | 1.14                       |
| 54-02031    | 200                          | 200                                   | PCE      | 6.24                       | 5.11                       | 6.18                       | 6.66                       |
| 54-02031    | 200                          | 200                                   | TCA      | 26.2                       | 18.3                       | 24.3                       | 28.1                       |
| 54-02031    | 200                          | 200                                   | TCE      | 7.06                       | 5.51                       | 6.5                        | 7.32                       |
| 54-02031    | 220                          | 220                                   | Freon-11 | 0.128                      | NA                         | 0.157                      | 0.139                      |
| 54-02031    | 220                          | 220                                   | PCE      | 1.21                       | NA                         | 0.828                      | 0.579                      |
| 54-02031    | 220                          | 220                                   | TCA      | 3.11                       | NA                         | 2.63                       | 2.08                       |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-02031    | 220                          | 220                                   | TCE      | 2.04                       | NA                         | 0.936                      | 0.794                      |
| 54-02031    | 260                          | 260                                   | Freon-11 | 0.847                      | 0.897                      | 0.794                      | 0.794                      |
| 54-02031    | 260                          | 260                                   | PCE      | 3.96                       | 3.97                       | 4.3                        | 4.04                       |
| 54-02031    | 260                          | 260                                   | TCA      | 13                         | 11.4                       | 13                         | 13.5                       |
| 54-02031    | 260                          | 260                                   | TCE      | 3.78                       | 3.78                       | 3.81                       | 384                        |
| 54-02034    | 20                           | 20                                    | Freon-11 | 0.0342                     | -0.122                     | -0.11                      | -0.048                     |
| 54-02034    | 20                           | 20                                    | PCE      | 0.926                      | 1.41                       | 0.341                      | 0.234                      |
| 54-02034    | 20                           | 20                                    | TCA      | 9.31                       | 6.61                       | 6.3                        | 3.92                       |
| 54-02034    | 20                           | 20                                    | TCE      | -0.59                      | -0.209                     | 1.58                       | 1.56                       |
| 54-02034    | 60                           | 60                                    | Freon-11 | 0.227                      | 0.441                      | -0.04                      | -0.0582                    |
| 54-02034    | 60                           | 60                                    | PCE      | 0.733                      | 0.569                      | 0.398                      | 0.523                      |
| 54-02034    | 60                           | 60                                    | TCA      | 9.46                       | 8.79                       | 5.93                       | 8.12                       |
| 54-02034    | 60                           | 60                                    | TCE      | 1.02                       | 0.87                       | 1.68                       | 2.25                       |
| 54-02034    | 100                          | 100                                   | Freon-11 | 0.145                      | -0.211                     | 0.128                      | 0.0611                     |
| 54-02034    | 100                          | 100                                   | PCE      | 0.885                      | 0.478                      | 0.318                      | 0.498                      |
| 54-02034    | 100                          | 100                                   | TCA      | 9.76                       | 9.16                       | 2.86                       | 9.98                       |
| 54-02034    | 100                          | 100                                   | TCE      | 1.72                       | 2.75                       | 1.19                       | 2.57                       |
| 54-02034    | 160                          | 160                                   | Freon-11 | 0.262                      | 0.313                      | 0.023                      | 0.012                      |
| 54-02034    | 160                          | 160                                   | PCE      | 0.376                      | 1.54                       | 0.314                      | 0.533                      |
| 54-02034    | 160                          | 160                                   | TCA      | 4.73                       | 4.01                       | 1.45                       | 7.24                       |
| 54-02034    | 160                          | 160                                   | TCE      | 1.18                       | 1.14                       | 0.5                        | 1.66                       |
| 54-02034    | 200                          | 200                                   | Freon-11 | 0.121                      | -0.055                     | 0.022                      | 0.0835                     |
| 54-02034    | 200                          | 200                                   | PCE      | 0.425                      | 0.894                      | 0.276                      | 0.619                      |
| 54-02034    | 200                          | 200                                   | TCA      | 2.78                       | 1.64                       | 1.08                       | 4.84                       |
| 54-02034    | 200                          | 200                                   | TCE      | 0.962                      | 1.08                       | 0.553                      | 1.3                        |
| 54-02034    | 220                          | 220                                   | Freon-11 | 0.11                       | 0.106                      | 0.019                      | 0.107                      |
| 54-02034    | 220                          | 220                                   | PCE      | 0.62                       | 0.22                       | 0.17                       | 0.394                      |
| 54-02034    | 220                          | 220                                   | TCA      | 2.1                        | 2.01                       | 0.783                      | 3.9                        |
| 54-02034    | 220                          | 220                                   | TCE      | 0.633                      | 1.27                       | 0.388                      | 0.957                      |
| 54-02034    | 260                          | 260                                   | Freon-11 | -0.044                     | 0.124                      | -0.027                     | -0.825                     |
| 54-02034    | 260                          | 260                                   | PCE      | 0.0645                     | 0.065                      | 0.133                      | -0.0241                    |
| 54-02034    | 260                          | 260                                   | TCA      | -0.597                     | -2.2                       | 0.054                      | 0.881                      |
| 54-02034    | 260                          | 260                                   | TCE      | 0.215                      | -0.131                     | 0.29                       | 0.365                      |
| 54-02034    | 300                          | 300                                   | Freon-11 | -0.128                     | -0.09                      | -0.022                     | -0.029                     |
| 54-02034    | 300                          | 300                                   | PCE      | 0.125                      | 0.323                      | 0.047                      | -0.025                     |
| 54-02034    | 300                          | 300                                   | TCA      | -1.7                       | -3                         | -0.335                     | -0.107                     |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-02034    | 300                          | 300                                   | TCE      | 0.598                      | 0.872                      | 0.143                      | 0.417                      |
| 54-02089    | 13                           | 13                                    | Freon-11 | 26.8                       | 14.2                       | 19.7                       | 11.5                       |
| 54-02089    | 13                           | 13                                    | PCE      | 128                        | 69.5                       | 108                        | 86.3                       |
| 54-02089    | 13                           | 13                                    | TCA      | 383                        | 221                        | 325                        | 315                        |
| 54-02089    | 13                           | 13                                    | TCE      | 128                        | 78.7                       | 115                        | 104                        |
| 54-02089    | 31                           | 31                                    | Freon-11 | 20.3                       | 13.3                       | 23.6                       | 17.3                       |
| 54-02089    | 31                           | 31                                    | PCE      | 94.6                       | 60.9                       | 128                        | 128                        |
| 54-02089    | 31                           | 31                                    | TCA      | 299                        | 191                        | 383                        | 395                        |
| 54-02089    | 31                           | 31                                    | TCE      | 81.4                       | 58.1                       | 117                        | 114                        |
| 54-02089    | 46                           | 46                                    | Freon-11 | 34.3                       | 24.2                       | 30.8                       | 24.5                       |
| 54-02089    | 46                           | 46                                    | PCE      | 161                        | 124                        | 174                        | 183                        |
| 54-02089    | 46                           | 46                                    | TCA      | 579                        | 411                        | 505                        | 535                        |
| 54-02089    | 46                           | 46                                    | TCE      | 140                        | 110                        | 140                        | 141                        |
| 54-02089    | 86                           | 86                                    | Freon-11 | 34.8                       | 16.7                       | 26.4                       | 24.7                       |
| 54-02089    | 86                           | 86                                    | PCE      | 165                        | 84.2                       | 144                        | 181                        |
| 54-02089    | 86                           | 86                                    | TCA      | 539                        | 313                        | 463                        | 567                        |
| 54-02089    | 86                           | 86                                    | TCE      | 140                        | 78                         | 120                        | 143                        |
| 54-24238    | 44                           | 44                                    | Freon-11 | 35.3                       | 22.7                       | 26.7                       | 24                         |
| 54-24238    | 44                           | 44                                    | PCE      | 171                        | 120                        | 153                        | 183                        |
| 54-24238    | 44                           | 44                                    | TCA      | 629                        | 429                        | 477                        | 643                        |
| 54-24238    | 44                           | 44                                    | TCE      | 129                        | 95.4                       | 111                        | 130                        |
| 54-24238    | 64                           | 64                                    | Freon-11 | 37.6                       | 26.6                       | 28.4                       | 25.8                       |
| 54-24238    | 64                           | 64                                    | PCE      | 181                        | 140                        | 161                        | 194                        |
| 54-24238    | 64                           | 64                                    | TCA      | 722                        | 556                        | 551                        | 770                        |
| 54-24238    | 64                           | 64                                    | TCE      | 127                        | 92.5                       | 98.5                       | 130                        |
| 54-24238    | 84                           | 84                                    | Freon-11 | 36.3                       | 25.9                       | 31.4                       | 23.1                       |
| 54-24238    | 84                           | 84                                    | PCE      | 171                        | 133                        | 176                        | 168                        |
| 54-24238    | 84                           | 84                                    | TCA      | 621                        | 488                        | 559                        | 573                        |
| 54-24238    | 84                           | 84                                    | TCE      | 126                        | 91.1                       | 109                        | 123                        |
| 54-24239    | 25                           | 25                                    | Freon-11 | 5.16                       | 3.52                       | 1.9                        | 2.75                       |
| 54-24239    | 25                           | 25                                    | PCE      | 125                        | 48.4                       | 99.9                       | 63                         |
| 54-24239    | 25                           | 25                                    | TCA      | 107                        | 108                        | 85.9                       | 132                        |
| 54-24239    | 25                           | 25                                    | TCE      | 30.3                       | 26.6                       | 30.7                       | 34.7                       |
| 54-24239    | 50                           | 50                                    | Freon-11 | 9.03                       | 4.14                       | 6.37                       | 3.46                       |
| 54-24239    | 50                           | 50                                    | PCE      | 93.8                       | 53.2                       | 93.1                       | 69.1                       |
| 54-24239    | 50                           | 50                                    | TCA      | 227                        | 126                        | 196                        | 157                        |



Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-24239    | 50                           | 50                                    | TCE      | 51.4                       | 30.8                       | 51.7                       | 40.9                       |
| 54-24239    | 75                           | 75                                    | Freon-11 | 8.51                       | 4.51                       | 5.34                       | 3.95                       |
| 54-24239    | 75                           | 75                                    | PCE      | 107                        | 55.3                       | 108                        | 71.3                       |
| 54-24239    | 75                           | 75                                    | TCA      | 206                        | 137                        | 179                        | 175                        |
| 54-24239    | 75                           | 75                                    | TCE      | 47.4                       | 33.9                       | 49.7                       | 44.9                       |
| 54-24239    | 99.5                         | 99.5                                  | Freon-11 | 7.14                       | 4.95                       | 3.81                       | 4.42                       |
| 54-24239    | 99.5                         | 99.5                                  | PCE      | 127                        | 53.5                       | 114                        | 70.2                       |
| 54-24239    | 99.5                         | 99.5                                  | TCA      | 171                        | 146                        | 144                        | 188                        |
| 54-24239    | 99.5                         | 99.5                                  | TCE      | 43.4                       | 35.5                       | 44.3                       | 47.7                       |
| 54-24240    | 28                           | 28                                    | Freon-11 | 5.3                        | 9.08                       | 5.33                       | 6.28                       |
| 54-24240    | 28                           | 28                                    | PCE      | 53.9                       | 81.6                       | 71.9                       | 85.3                       |
| 54-24240    | 28                           | 28                                    | TCA      | 281                        | 367                        | 331                        | 391                        |
| 54-24240    | 28                           | 28                                    | TCE      | 104                        | 133                        | 133                        | 187                        |
| 54-24240    | 53                           | 53                                    | Freon-11 | 15.2                       | 12.5                       | 10.6                       | 10.2                       |
| 54-24240    | 53                           | 53                                    | PCE      | 93.9                       | 88.5                       | 88.6                       | 88.4                       |
| 54-24240    | 53                           | 53                                    | TCA      | 709                        | 439                        | 572                        | 555                        |
| 54-24240    | 53                           | 53                                    | TCE      | 154                        | 117                        | 168                        | 168                        |
| 54-24240    | 78                           | 78                                    | Freon-11 | 9.73                       | 4.38                       | 6.69                       | 5.85                       |
| 54-24240    | 78                           | 78                                    | PCE      | 64.2                       | 40.8                       | 67.4                       | 62.4                       |
| 54-24240    | 78                           | 78                                    | TCA      | 440                        | 280                        | 383                        | 352                        |
| 54-24240    | 78                           | 78                                    | TCE      | 96.9                       | 61                         | 99.6                       | 89.6                       |
| 54-24240    | 103                          | 103                                   | Freon-11 | 5.95                       | 3.1                        | 3.79                       | 3.4                        |
| 54-24240    | 103                          | 103                                   | PCE      | 42.7                       | 27.9                       | 44.1                       | 40.8                       |
| 54-24240    | 103                          | 103                                   | TCA      | 346                        | 245                        | 314                        | 294                        |
| 54-24240    | 103                          | 103                                   | TCE      | 70.7                       | 50.9                       | 69.4                       | 65                         |
| 54-24240    | 128                          | 128                                   | Freon-11 | 4.78                       | 2.72                       | 3.25                       | 2.96                       |
| 54-24240    | 128                          | 128                                   | PCE      | 30.3                       | 19.8                       | 32.7                       | 27.2                       |
| 54-24240    | 128                          | 128                                   | TCA      | 297                        | 205                        | 287                        | 260                        |
| 54-24240    | 128                          | 128                                   | TCE      | 60.4                       | 43                         | 59.9                       | 55                         |
| 54-24240    | 153                          | 153                                   | Freon-11 | 4.19                       | 2.53                       | 2.97                       | 2.62                       |
| 54-24240    | 153                          | 153                                   | PCE      | 25.7                       | 16.8                       | 26.8                       | 20.2                       |
| 54-24240    | 153                          | 153                                   | TCA      | 272                        | 170                        | 250                        | 200                        |
| 54-24240    | 153                          | 153                                   | TCE      | 55.6                       | 37                         | 54.8                       | 44                         |
| 54-24241    | 73                           | 73                                    | Freon-11 | 11.1                       | 7.88                       | 8.6                        | 9.66                       |
| 54-24241    | 73                           | 73                                    | PCE      | 65.1                       | 46.2                       | 60.4                       | 88.7                       |
| 54-24241    | 73                           | 73                                    | TCA      | 320                        | 239                        | 226                        | 384                        |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-24241    | 73                           | 73                                    | TCE      | 49.8                       | 41.6                       | 46.4                       | 69.6                       |
| 54-24241    | 93                           | 93                                    | Freon-11 | 9.77                       | 7.32                       | 7.4                        | 8.86                       |
| 54-24241    | 93                           | 93                                    | PCE      | 56.5                       | 43.2                       | 50                         | 79.5                       |
| 54-24241    | 93                           | 93                                    | TCA      | 245                        | 198                        | 178                        | 312                        |
| 54-24241    | 93                           | 93                                    | TCE      | 45.4                       | 39.8                       | 37.2                       | 62.9                       |
| 54-24241    | 113                          | 113                                   | Freon-11 | 7.68                       | 8.04                       | 6.8                        | 7.88                       |
| 54-24241    | 113                          | 113                                   | PCE      | 42.7                       | 45.5                       | 41.6                       | 65.8                       |
| 54-24241    | 113                          | 113                                   | TCA      | 183                        | 193                        | 141                        | 243                        |
| 54-24241    | 113                          | 113                                   | TCE      | 37.7                       | 42                         | 32                         | 49.8                       |
| 54-24241    | 133                          | 133                                   | Freon-11 | 8.97                       | 7.85                       | 6.98                       | 7.43                       |
| 54-24241    | 133                          | 133                                   | PCE      | 47.1                       | 40.2                       | 41.6                       | 58.4                       |
| 54-24241    | 133                          | 133                                   | TCA      | 182                        | 159                        | 142                        | 204                        |
| 54-24241    | 133                          | 133                                   | TCE      | 38.7                       | 37.7                       | 34                         | 45.7                       |
| 54-24241    | 153                          | 153                                   | Freon-11 | 7.75                       | 7.89                       | 7.14                       | 7.52                       |
| 54-24241    | 153                          | 153                                   | PCE      | 39.6                       | 37.7                       | 41.2                       | 55.9                       |
| 54-24241    | 153                          | 153                                   | TCA      | 150                        | 142                        | 140                        | 192                        |
| 54-24241    | 153                          | 153                                   | TCE      | 33.8                       | 34.7                       | 33                         | 43.8                       |
| 54-24241    | 173                          | 173                                   | Freon-11 | 7.91                       | 7.37                       | 9.56                       | 7.75                       |
| 54-24241    | 173                          | 173                                   | PCE      | 38.3                       | 36.8                       | 69.7                       | 54.6                       |
| 54-24241    | 173                          | 173                                   | TCA      | 152                        | 139                        | 294                        | 181                        |
| 54-24241    | 173                          | 173                                   | TCE      | 33.5                       | 34.6                       | 55.2                       | 42.6                       |
| 54-24241    | 193                          | 193                                   | Freon-11 | 8.23                       | 8.77                       | 7.79                       | 8.01                       |
| 54-24241    | 193                          | 193                                   | PCE      | 40.3                       | 39.6                       | 43.4                       | 53.3                       |
| 54-24241    | 193                          | 193                                   | TCA      | 150                        | 144                        | 141                        | 171                        |
| 54-24241    | 193                          | 193                                   | TCE      | 34.9                       | 36.4                       | 34.6                       | 41.1                       |
| 54-24242    | 25                           | 25                                    | Freon-11 | 5.1                        | 3.02                       | 4.41                       | 2.03                       |
| 54-24242    | 25                           | 25                                    | PCE      | 59.7                       | 67.4                       | 64.9                       | 143                        |
| 54-24242    | 25                           | 25                                    | TCA      | 137                        | 60.1                       | 125                        | 89.1                       |
| 54-24242    | 25                           | 25                                    | TCE      | 32.7                       | 19.2                       | 31.2                       | 29.6                       |
| 54-24242    | 50                           | 50                                    | Freon-11 | 6.16                       | 6.61                       | 5.42                       | 4.36                       |
| 54-24242    | 50                           | 50                                    | PCE      | 68.7                       | 70.5                       | 73.2                       | 75.8                       |
| 54-24242    | 50                           | 50                                    | TCA      | 170                        | 160                        | 148                        | 163                        |
| 54-24242    | 50                           | 50                                    | TCE      | 40.9                       | 35.5                       | 36.8                       | 40.2                       |
| 54-24242    | 75                           | 75                                    | Freon-11 | 6.44                       | 5.96                       | 5.84                       | 3.91                       |
| 54-24242    | 75                           | 75                                    | PCE      | 68.8                       | 80.2                       | 75.8                       | 87.4                       |
| 54-24242    | 75                           | 75                                    | TCA      | 178                        | 145                        | 160                        | 153                        |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-24242    | 75                           | 75                                    | TCE      | 42.9                       | 33.4                       | 39.5                       | 39.8                       |
| 54-24242    | 100                          | 100                                   | Freon-11 | 6.97                       | 4.84                       | 6.42                       | 3.49                       |
| 54-24242    | 100                          | 100                                   | PCE      | 68.2                       | 88.1                       | 74.9                       | 124                        |
| 54-24242    | 100                          | 100                                   | TCA      | 188                        | 114                        | 171                        | 150                        |
| 54-24242    | 100                          | 100                                   | TCE      | 45.1                       | 29.8                       | 41.7                       | 45.8                       |
| 54-24242    | 110.5                        | 110.5                                 | Freon-11 | -0.032                     | 6.31                       | NA                         | 5.78                       |
| 54-24242    | 110.5                        | 110.5                                 | PCE      | 0.981                      | 66.2                       | NA                         | 94.2                       |
| 54-24242    | 110.5                        | 110.5                                 | TCA      | -0.619                     | 157                        | NA                         | 219                        |
| 54-24242    | 110.5                        | 110.5                                 | TCE      | 0.379                      | 35.5                       | NA                         | 55.2                       |
| 54-24243    | 25                           | 25                                    | Freon-11 | 12.8                       | 8.44                       | 11.4                       | 8.34                       |
| 54-24243    | 25                           | 25                                    | PCE      | 61.7                       | 42.6                       | 62.7                       | 60.8                       |
| 54-24243    | 25                           | 25                                    | TCA      | 201                        | 142                        | 188                        | 198                        |
| 54-24243    | 25                           | 25                                    | TCE      | 39.1                       | 28.5                       | 38.6                       | 40.9                       |
| 54-24243    | 50                           | 50                                    | Freon-11 | 18.7                       | 14.9                       | 20                         | 15.5                       |
| 54-24243    | 50                           | 50                                    | PCE      | 89.4                       | 74.5                       | 110                        | 113                        |
| 54-24243    | 50                           | 50                                    | TCA      | 260                        | 210                        | 276                        | 298                        |
| 54-24243    | 50                           | 50                                    | TCE      | 51                         | 38.4                       | 56.4                       | 62.7                       |
| 54-24243    | 75                           | 75                                    | Freon-11 | 22.3                       | 15.1                       | 20                         | 15.9                       |
| 54-24243    | 75                           | 75                                    | PCE      | 102                        | 72.4                       | 106                        | 110                        |
| 54-24243    | 75                           | 75                                    | TCA      | 333                        | 238                        | 302                        | 325                        |
| 54-24243    | 75                           | 75                                    | TCE      | 64.8                       | 45.4                       | 64.3                       | 70.1                       |
| 54-24243    | 100                          | 100                                   | Freon-11 | 20.5                       | 13.9                       | 17.7                       | 13.7                       |
| 54-24243    | 100                          | 100                                   | PCE      | 88                         | 63.3                       | 88.6                       | -88.7                      |
| 54-24243    | 100                          | 100                                   | TCA      | 337                        | 240                        | 296                        | 315                        |
| 54-24243    | 100                          | 100                                   | TCE      | 65.2                       | 46.3                       | 63.1                       | 65.4                       |
| 54-24243    | 125                          | 125                                   | Freon-11 | 18.7                       | 12.2                       | 15.9                       | 12                         |
| 54-24243    | 125                          | 125                                   | PCE      | 74.6                       | 51.8                       | 73.5                       | 71.3                       |
| 54-24243    | 125                          | 125                                   | TCA      | 311                        | 206                        | 261                        | 272                        |
| 54-24243    | 125                          | 125                                   | TCE      | 62.8                       | 39.6                       | 55                         | 52.5                       |
| 54-24399    | 550                          | 608                                   | Freon-11 | NA                         | NA                         | -0.012                     | -0.0785                    |
| 54-24399    | 550                          | 608                                   | PCE      | NA                         | NA                         | 0.387                      | 1.42                       |
| 54-24399    | 550                          | 608                                   | TCA      | NA                         | NA                         | 1.16                       | 1.84                       |
| 54-24399    | 550                          | 608                                   | TCE      | NA                         | NA                         | 0.691                      | 1.23                       |
| 54-27641    | 32                           | 32                                    | Freon-11 | 5.25                       | 3.94                       | 5.1                        | 3.98                       |
| 54-27641    | 32                           | 32                                    | PCE      | 49.8                       | 38.2                       | 55                         | 54.2                       |
| 54-27641    | 32                           | 32                                    | TCA      | 376                        | 242                        | 283                        | 295                        |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-27641    | 32                           | 32                                    | TCE      | 119                        | 76.1                       | 97                         | 109                        |
| 54-27641    | 82                           | 82                                    | Freon-11 | 4.46                       | 2.7                        | 3.47                       | 2.98                       |
| 54-27641    | 82                           | 82                                    | PCE      | 46.5                       | 31.5                       | 44.4                       | 48.1                       |
| 54-27641    | 82                           | 82                                    | TCA      | 338                        | 218                        | 230                        | 270                        |
| 54-27641    | 82                           | 82                                    | TCE      | 52.4                       | 36.6                       | 42.5                       | 52                         |
| 54-27641    | 115                          | 115                                   | Freon-11 | 3.39                       | 1.98                       | 2.74                       | 2.45                       |
| 54-27641    | 115                          | 115                                   | PCE      | 27.2                       | 17.7                       | 27.9                       | 30                         |
| 54-27641    | 115                          | 115                                   | TCA      | 298                        | 187                        | 224                        | 251                        |
| 54-27641    | 115                          | 115                                   | TCE      | 48                         | 30.4                       | 38.4                       | 45.4                       |
| 54-27641    | 182                          | 182                                   | Freon-11 | 3                          | 1.92                       | 2.39                       | 2.15                       |
| 54-27641    | 182                          | 182                                   | PCE      | 14.1                       | 9.76                       | 13.2                       | 14.2                       |
| 54-27641    | 182                          | 182                                   | TCA      | 187                        | 135                        | 159                        | 173                        |
| 54-27641    | 182                          | 182                                   | TCE      | 36.1                       | 25.5                       | 29.7                       | 33.6                       |
| 54-27641    | 232                          | 232                                   | Freon-11 | 2.49                       | 1.3                        | 1.66                       | 1.84                       |
| 54-27641    | 232                          | 232                                   | PCE      | 10.2                       | 6.05                       | 8.62                       | 10.4                       |
| 54-27641    | 232                          | 232                                   | TCA      | 83.6                       | 50.8                       | 63.5                       | 87.1                       |
| 54-27641    | 232                          | 232                                   | TCE      | 19.7                       | 11.6                       | 14.9                       | 19.5                       |
| 54-27641    | 272                          | 272                                   | Freon-11 | 1.59                       | 0.826                      | 1.23                       | 1.23                       |
| 54-27641    | 272                          | 272                                   | PCE      | 6.03                       | 3.51                       | 5.75                       | 6.64                       |
| 54-27641    | 272                          | 272                                   | TCA      | 24.5                       | 13.8                       | 22.5                       | 33.1                       |
| 54-27641    | 272                          | 272                                   | TCE      | 7.48                       | 4.28                       | 6.44                       | 8.85                       |
| 54-27641    | 332                          | 332                                   | Freon-11 | 0.241                      | 0.061                      | 0.144                      | 0.192                      |
| 54-27641    | 332                          | 332                                   | PCE      | 1.23                       | 0.776                      | 1.11                       | 1.29                       |
| 54-27641    | 332                          | 332                                   | TCA      | -0.11                      | -1.3                       | -0.8                       | 2.48                       |
| 54-27641    | 332                          | 332                                   | TCE      | 1.64                       | 0.695                      | 1.13                       | 1.47                       |
| 54-27642    | 30                           | 30                                    | Freon-11 | 20.1                       | 14.4                       | 16                         | 14.4                       |
| 54-27642    | 30                           | 30                                    | PCE      | 93.9                       | 72.7                       | 90.1                       | 105                        |
| 54-27642    | 30                           | 30                                    | TCA      | 706                        | 542                        | 570                        | 675                        |
| 54-27642    | 30                           | 30                                    | TCE      | 48.5                       | 343                        | 41.2                       | 48.1                       |
| 54-27642    | 75                           | 75                                    | Freon-11 | 24.2                       | 16.2                       | 20.7                       | 16.6                       |
| 54-27642    | 75                           | 75                                    | PCE      | 93.4                       | 69.3                       | 96.2                       | 101                        |
| 54-27642    | 75                           | 75                                    | TCA      | 416                        | 297                        | 345                        | 376                        |
| 54-27642    | 75                           | 75                                    | TCE      | 83                         | 57.4                       | 71.1                       | 75.5                       |
| 54-27642    | 116                          | 116                                   | Freon-11 | 27.9                       | 18.7                       | 24.6                       | 19.7                       |
| 54-27642    | 116                          | 116                                   | PCE      | 127                        | 91.8                       | 129                        | 138                        |
| 54-27642    | 116                          | 116                                   | TCA      | 570                        | 442                        | 529                        | 569                        |

Table 4.0-2 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-27642    | 116                          | 116                                   | TCE      | 87.5                       | 60.8                       | 75.6                       | 83.2                       |
| 54-27642    | 175                          | 175                                   | Freon-11 | 22.1                       | 14.4                       | 18.8                       | 15.2                       |
| 54-27642    | 175                          | 175                                   | PCE      | 71.2                       | 51                         | 70.3                       | 73.5                       |
| 54-27642    | 175                          | 175                                   | TCA      | 290                        | 199                        | 235                        | 272                        |
| 54-27642    | 175                          | 175                                   | TCE      | 57.7                       | 40.5                       | 50.8                       | 55.8                       |
| 54-27642    | 235                          | 235                                   | Freon-11 | 18.6                       | 12.1                       | 15.7                       | 13.1                       |
| 54-27642    | 235                          | 235                                   | PCE      | 58.5                       | 41.9                       | 57.9                       | 61.5                       |
| 54-27642    | 235                          | 235                                   | TCA      | 170                        | 118                        | 143                        | 165                        |
| 54-27642    | 235                          | 235                                   | TCE      | 38.5                       | 27.3                       | 34.6                       | 38.7                       |
| 54-27642    | 275                          | 275                                   | Freon-11 | 13.5                       | 8.83                       | 11.5                       | 9.81                       |
| 54-27642    | 275                          | 275                                   | PCE      | 43.5                       | 30.8                       | 42.5                       | 45.9                       |
| 54-27642    | 275                          | 275                                   | TCA      | 93.7                       | 65.2                       | 81.6                       | 93.5                       |
| 54-27642    | 275                          | 275                                   | TCE      | 24.7                       | 17.1                       | 21.9                       | 25.4                       |
| 54-27642    | 338                          | 338                                   | Freon-11 | 3.29                       | 2.3                        | 2.88                       | 2.54                       |
| 54-27642    | 338                          | 338                                   | PCE      | 11.3                       | 8.19                       | 11.3                       | 12.4                       |
| 54-27642    | 338                          | 338                                   | TCA      | 12.3                       | 8.1                        | 14.3                       | 15.8                       |
| 54-27642    | 338                          | 338                                   | TCE      | 5.54                       | 3.24                       | 4.95                       | 5.96                       |
| 54-27643    | 30                           | 30                                    | Freon-11 | 4.47                       | 3.25                       | 4.23                       | 3.14                       |
| 54-27643    | 30                           | 30                                    | PCE      | 18.1                       | 14.2                       | 20.2                       | 20.4                       |
| 54-27643    | 30                           | 30                                    | TCA      | 87.2                       | 58                         | 87.2                       | 88.5                       |
| 54-27643    | 30                           | 30                                    | TCE      | 14.6                       | 9.62                       | 13.8                       | 13.4                       |
| 54-27643    | 74                           | 74                                    | Freon-11 | 7.31                       | 4.76                       | 6.2                        | 4.84                       |
| 54-27643    | 74                           | 74                                    | PCE      | 27.7                       | 20.3                       | 29.1                       | 29.6                       |
| 54-27643    | 74                           | 74                                    | TCA      | 126                        | 81.4                       | 113                        | 119                        |
| 54-27643    | 74                           | 74                                    | TCE      | 23.2                       | 15.9                       | 22.5                       | 22.9                       |
| 54-27643    | 117                          | 117                                   | Freon-11 | 9.87                       | 5.61                       | 8.53                       | 5.81                       |
| 54-27643    | 117                          | 117                                   | PCE      | 32.8                       | 20.2                       | 32.9                       | 29.6                       |
| 54-27643    | 117                          | 117                                   | TCA      | 145                        | 83.5                       | 125                        | 120                        |
| 54-27643    | 117                          | 117                                   | TCE      | 25.8                       | 15.3                       | 23.7                       | 23                         |
| 54-27643    | 167                          | 167                                   | Freon-11 | 12.3                       | 5.98                       | 10.7                       | 6.38                       |
| 54-27643    | 167                          | 167                                   | PCE      | 38.5                       | 20.1                       | 39.1                       | 30                         |
| 54-27643    | 167                          | 167                                   | TCA      | 145                        | 69.2                       | 121                        | 101                        |
| 54-27643    | 167                          | 167                                   | TCE      | 26.7                       | 12.9                       | 24.8                       | 19.7                       |
| 54-27643    | 235                          | 235                                   | Freon-11 | 11.4                       | 6.88                       | 10.1                       | 6.71                       |
| 54-27643    | 235                          | 235                                   | PCE      | 36.2                       | 23.5                       | 37.1                       | 31.3                       |
| 54-27643    | 235                          | 235                                   | TCA      | 97.5                       | 60                         | 84.1                       | 78.4                       |

**Table 4.0-2 (continued)**

| Borehole ID | Sampling Port Depth (ft bgs) | Borehole Length at Sampling Port (ft) | Analyte  | B&K Result Q1 FY2008 (ppm) | B&K Result Q2 FY2008 (ppm) | B&K Result Q3 FY2008 (ppm) | B&K Result Q4 FY2008 (ppm) |
|-------------|------------------------------|---------------------------------------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| 54-27643    | 235                          | 235                                   | TCE      | 20.4                       | 12.9                       | 18.9                       | 17.6                       |
| 54-27643    | 275                          | 275                                   | Freon-11 | 8.98                       | 3.88                       | 7.87                       | 5.02                       |
| 54-27643    | 275                          | 275                                   | PCE      | 28.8                       | 13.6                       | 29.1                       | 23.3                       |
| 54-27643    | 275                          | 275                                   | TCA      | 58.6                       | 26.1                       | 50.9                       | 45.3                       |
| 54-27643    | 275                          | 275                                   | TCE      | 13.8                       | 6.24                       | 12.6                       | 11.4                       |
| 54-27643    | 354                          | 354                                   | Freon-11 | 2.54                       | 0.549                      | 2.64                       | 1.41                       |
| 54-27643    | 354                          | 354                                   | PCE      | 9.17                       | 2.02                       | 10.3                       | 6.62                       |
| 54-27643    | 354                          | 354                                   | TCA      | 7.59                       | 1.41                       | 10.3                       | 7.02                       |
| 54-27643    | 354                          | 354                                   | TCE      | 3.91                       | 1.03                       | 3.28                       | 2.4                        |

<sup>a</sup> NA = Not analyzed.<sup>b</sup> - = Port blocked or partially blocked (B&K readings are low and/or unstable).**Table 5.1-1  
FY2008 VOC Pore-Gas Results at MDA L**

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                 | Collection Date | Analytical Result (µg/m <sup>3</sup> ) |
|-------------|------------------------------|-------------------------|-----------------|----------------------------------------|
| 54-02001    | 40                           | Carbon Tetrachloride    | 8/27/2008       | 1700                                   |
| 54-02001    | 40                           | Carbon Tetrachloride    | 3/24/2008       | 1700                                   |
| 54-02001    | 40                           | Chloroform              | 3/24/2008       | 4500                                   |
| 54-02001    | 40                           | Chloroform              | 5/27/2008       | 2000                                   |
| 54-02001    | 40                           | Cyclohexane             | 3/24/2008       | 36,000                                 |
| 54-02001    | 40                           | Cyclohexane             | 5/27/2008       | 6200                                   |
| 54-02001    | 40                           | Dichlorodifluoromethane | 8/27/2008       | 8000                                   |
| 54-02001    | 40                           | Dichlorodifluoromethane | 12/20/2007      | 10,000                                 |
| 54-02001    | 40                           | Dichlorodifluoromethane | 5/27/2008       | 5900                                   |
| 54-02001    | 40                           | Dichlorodifluoromethane | 3/24/2008       | 14,000                                 |
| 54-02001    | 40                           | DCA                     | 8/27/2008       | 38,000                                 |
| 54-02001    | 40                           | DCA                     | 12/20/2007      | 59,000                                 |
| 54-02001    | 40                           | DCA                     | 3/24/2008       | 46,000                                 |
| 54-02001    | 40                           | DCA                     | 5/27/2008       | 16,000                                 |
| 54-02001    | 40                           | Dichloroethane[1,2-]    | 8/27/2008       | 80,000                                 |
| 54-02001    | 40                           | Dichloroethane[1,2-]    | 5/27/2008       | 40,000                                 |
| 54-02001    | 40                           | Dichloroethane[1,2-]    | 3/24/2008       | 72,000                                 |
| 54-02001    | 40                           | Dichloroethane[1,2-]    | 12/20/2007      | 83,000                                 |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02001    | 40                           | DCE                                     | 8/27/2008       | 10,000                     |
| 54-02001    | 40                           | DCE                                     | 12/20/2007      | 240,000                    |
| 54-02001    | 40                           | DCE                                     | 3/24/2008       | 10,000                     |
| 54-02001    | 40                           | DCE                                     | 5/27/2008       | 4800                       |
| 54-02001    | 40                           | Dichloropropane[1,2-]                   | 8/27/2008       | 3000                       |
| 54-02001    | 40                           | Dichloropropane[1,2-]                   | 12/20/2007      | 2900                       |
| 54-02001    | 40                           | Dichloropropane[1,2-]                   | 3/24/2008       | 2300                       |
| 54-02001    | 40                           | Hexane                                  | 8/27/2008       | 740                        |
| 54-02001    | 40                           | Methylene Chloride                      | 8/27/2008       | 36,000                     |
| 54-02001    | 40                           | Methylene Chloride                      | 3/24/2008       | 51,000                     |
| 54-02001    | 40                           | Methylene Chloride                      | 5/27/2008       | 20,000                     |
| 54-02001    | 40                           | Propanol[2-]                            | 5/27/2008       | 3500                       |
| 54-02001    | 40                           | PCE                                     | 8/27/2008       | 130,000                    |
| 54-02001    | 40                           | PCE                                     | 5/27/2008       | 65,000                     |
| 54-02001    | 40                           | PCE                                     | 12/20/2007      | 180,000                    |
| 54-02001    | 40                           | PCE                                     | 3/24/2008       | 150,000                    |
| 54-02001    | 40                           | Toluene                                 | 8/27/2008       | 1000                       |
| 54-02001    | 40                           | Toluene                                 | 5/27/2008       | 2400                       |
| 54-02001    | 40                           | Toluene                                 | 3/24/2008       | 1100                       |
| 54-02001    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/27/2008       | 36,000                     |
| 54-02001    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/24/2008       | 36,000                     |
| 54-02001    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/27/2008       | 17,000                     |
| 54-02001    | 40                           | TCA                                     | 8/27/2008       | 680,000                    |
| 54-02001    | 40                           | TCA                                     | 5/27/2008       | 570,000                    |
| 54-02001    | 40                           | TCA                                     | 12/20/2007      | 1,300,000                  |
| 54-02001    | 40                           | TCA                                     | 3/24/2008       | 1,300,000                  |
| 54-02001    | 40                           | TCE                                     | 8/27/2008       | 280,000                    |
| 54-02001    | 40                           | TCE                                     | 12/20/2007      | 410,000                    |
| 54-02001    | 40                           | TCE                                     | 3/24/2008       | 360,000                    |
| 54-02001    | 40                           | TCE                                     | 5/27/2008       | 150,000                    |
| 54-02001    | 40                           | Freon-11                                | 8/27/2008       | 8500                       |
| 54-02001    | 40                           | Freon-11                                | 12/20/2007      | 8700                       |
| 54-02001    | 40                           | Freon-11                                | 3/24/2008       | 10,000                     |
| 54-02001    | 40                           | Freon-11                                | 5/27/2008       | 5200                       |
| 54-02001    | 80                           | Carbon Tetrachloride                    | 8/27/2008       | 1400                       |
| 54-02001    | 80                           | Chloroform                              | 5/27/2008       | 2500                       |
| 54-02001    | 80                           | Cyclohexane                             | 5/27/2008       | 7400                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02001    | 80                           | Dichlorodifluoromethane                 | 8/27/2008       | 7000                       |
| 54-02001    | 80                           | Dichlorodifluoromethane                 | 5/27/2008       | 4600                       |
| 54-02001    | 80                           | DCA                                     | 8/27/2008       | 31,000                     |
| 54-02001    | 80                           | DCA                                     | 5/27/2008       | 16,000                     |
| 54-02001    | 80                           | Dichloroethane[1,2-]                    | 8/27/2008       | 61,000                     |
| 54-02001    | 80                           | Dichloroethane[1,2-]                    | 5/27/2008       | 38,000                     |
| 54-02001    | 80                           | Dichloroethane[1,2-]                    | 8/27/2008       | 61,000                     |
| 54-02001    | 80                           | DCE                                     | 8/27/2008       | 11,000                     |
| 54-02001    | 80                           | DCE                                     | 5/27/2008       | 6400                       |
| 54-02001    | 80                           | Dichloropropane[1,2-]                   | 8/27/2008       | 3900                       |
| 54-02001    | 80                           | Hexane                                  | 8/27/2008       | 700                        |
| 54-02001    | 80                           | Methylene Chloride                      | 8/27/2008       | 40,000                     |
| 54-02001    | 80                           | Methylene Chloride                      | 5/27/2008       | 25,000                     |
| 54-02001    | 80                           | PCE                                     | 8/27/2008       | 130,000                    |
| 54-02001    | 80                           | PCE                                     | 5/27/2008       | 66,000                     |
| 54-02001    | 80                           | Toluene                                 | 8/27/2008       | 760                        |
| 54-02001    | 80                           | Toluene                                 | 5/27/2008       | 1900                       |
| 54-02001    | 80                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/27/2008       | 28,000                     |
| 54-02001    | 80                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/27/2008       | 14,000                     |
| 54-02001    | 80                           | TCA                                     | 8/27/2008       | 680,000                    |
| 54-02001    | 80                           | TCA                                     | 5/27/2008       | 650,000                    |
| 54-02001    | 80                           | TCE                                     | 8/27/2008       | 200,000                    |
| 54-02001    | 80                           | TCE                                     | 5/27/2008       | 110,000                    |
| 54-02001    | 80                           | Freon-11                                | 8/27/2008       | 6500                       |
| 54-02001    | 80                           | Freon-11                                | 5/27/2008       | 4700                       |
| 54-02001    | 100                          | Chloroform                              | 3/24/2008       | 4500                       |
| 54-02001    | 100                          | Cyclohexane                             | 3/24/2008       | 33,000                     |
| 54-02001    | 100                          | Dichlorodifluoromethane                 | 3/24/2008       | 6500                       |
| 54-02001    | 100                          | Dichlorodifluoromethane                 | 12/20/2007      | 3300                       |
| 54-02001    | 100                          | DCA                                     | 3/24/2008       | 31,000                     |
| 54-02001    | 100                          | DCA                                     | 12/20/2007      | 15,000                     |
| 54-02001    | 100                          | Dichloroethane[1,2-]                    | 3/24/2008       | 52,000                     |
| 54-02001    | 100                          | Dichloroethane[1,2-]                    | 12/20/2007      | 27,000                     |
| 54-02001    | 100                          | DCE                                     | 12/20/2007      | 100,000                    |
| 54-02001    | 100                          | DCE                                     | 3/24/2008       | 13,000                     |
| 54-02001    | 100                          | Dichloropropane[1,2-]                   | 12/20/2007      | 1400                       |
| 54-02001    | 100                          | Dichloropropane[1,2-]                   | 3/24/2008       | 2800                       |



Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02001    | 100                          | Methylene Chloride                      | 3/24/2008       | 46,000                     |
| 54-02001    | 100                          | PCE                                     | 3/24/2008       | 98,000                     |
| 54-02001    | 100                          | PCE                                     | 12/20/2007      | 54,000                     |
| 54-02001    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/24/2008       | 23,000                     |
| 54-02001    | 100                          | TCA                                     | 3/24/2008       | 1,200,000                  |
| 54-02001    | 100                          | TCA                                     | 12/20/2007      | 430,000                    |
| 54-02001    | 100                          | TCE                                     | 3/24/2008       | 200,000                    |
| 54-02001    | 100                          | TCE                                     | 12/20/2007      | 99,000                     |
| 54-02001    | 100                          | Freon-11                                | 3/24/2008       | 5800                       |
| 54-02001    | 100                          | Freon-11                                | 12/20/2007      | 2600                       |
| 54-02001    | 120                          | Carbon Tetrachloride                    | 8/27/2008       | 1100                       |
| 54-02001    | 120                          | Chloroform                              | 3/24/2008       | 4600                       |
| 54-02001    | 120                          | Chloroform                              | 5/27/2008       | 2400                       |
| 54-02001    | 120                          | Cyclohexane                             | 3/24/2008       | 24,000                     |
| 54-02001    | 120                          | Cyclohexane                             | 5/27/2008       | 7200                       |
| 54-02001    | 120                          | Dichlorodifluoromethane                 | 8/27/2008       | 4300                       |
| 54-02001    | 120                          | Dichlorodifluoromethane                 | 3/24/2008       | 3400                       |
| 54-02001    | 120                          | Dichlorodifluoromethane                 | 12/20/2007      | 5400                       |
| 54-02001    | 120                          | Dichlorodifluoromethane                 | 5/27/2008       | 2800                       |
| 54-02001    | 120                          | DCA                                     | 8/27/2008       | 25,000                     |
| 54-02001    | 120                          | DCA                                     | 5/27/2008       | 13,000                     |
| 54-02001    | 120                          | DCA                                     | 3/24/2008       | 25,000                     |
| 54-02001    | 120                          | DCA                                     | 12/20/2007      | 28,000                     |
| 54-02001    | 120                          | Dichloroethane[1,2-]                    | 8/27/2008       | 40,000                     |
| 54-02001    | 120                          | Dichloroethane[1,2-]                    | 5/27/2008       | 28,000                     |
| 54-02001    | 120                          | Dichloroethane[1,2-]                    | 3/24/2008       | 36,000                     |
| 54-02001    | 120                          | Dichloroethane[1,2-]                    | 12/20/2007      | 52,000                     |
| 54-02001    | 120                          | DCE                                     | 8/27/2008       | 17,000                     |
| 54-02001    | 120                          | DCE                                     | 5/27/2008       | 10,000                     |
| 54-02001    | 120                          | DCE                                     | 3/24/2008       | 16,000                     |
| 54-02001    | 120                          | DCE                                     | 12/20/2007      | 230,000                    |
| 54-02001    | 120                          | Dichloropropane[1,2-]                   | 8/27/2008       | 4600                       |
| 54-02001    | 120                          | Dichloropropane[1,2-]                   | 5/27/2008       | 1800                       |
| 54-02001    | 120                          | Dichloropropane[1,2-]                   | 12/20/2007      | 4300                       |
| 54-02001    | 120                          | Dichloropropane[1,2-]                   | 3/24/2008       | 3800                       |
| 54-02001    | 120                          | Methylene Chloride                      | 8/27/2008       | 32,000                     |
| 54-02001    | 120                          | Methylene Chloride                      | 5/27/2008       | 20,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02001    | 120                          | Methylene Chloride                      | 3/24/2008       | 36,000                     |
| 54-02001    | 120                          | Propylene                               | 3/24/2008       | 3600                       |
| 54-02001    | 120                          | PCE                                     | 8/27/2008       | 60,000                     |
| 54-02001    | 120                          | PCE                                     | 5/27/2008       | 26,000                     |
| 54-02001    | 120                          | PCE                                     | 3/24/2008       | 50,000                     |
| 54-02001    | 120                          | PCE                                     | 12/20/2007      | 52,000                     |
| 54-02001    | 120                          | Toluene                                 | 5/27/2008       | 2900                       |
| 54-02001    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/27/2008       | 22,000                     |
| 54-02001    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/27/2008       | 13000                      |
| 54-02001    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/24/2008       | 20,000                     |
| 54-02001    | 120                          | TCA                                     | 8/27/2008       | 700,000                    |
| 54-02001    | 120                          | TCA                                     | 5/27/2008       | 680,000                    |
| 54-02001    | 120                          | TCA                                     | 3/24/2008       | 810,000                    |
| 54-02001    | 120                          | TCA                                     | 12/20/2007      | 1,100,000                  |
| 54-02001    | 120                          | TCE                                     | 8/27/2008       | 180,000                    |
| 54-02001    | 120                          | TCE                                     | 5/27/2008       | 100,000                    |
| 54-02001    | 120                          | TCE                                     | 12/20/2007      | 230,000                    |
| 54-02001    | 120                          | TCE                                     | 3/24/2008       | 200,000                    |
| 54-02001    | 120                          | Freon-11                                | 8/27/2008       | 4300                       |
| 54-02001    | 120                          | Freon-11                                | 5/27/2008       | 3200                       |
| 54-02001    | 120                          | Freon-11                                | 12/20/2007      | 4900                       |
| 54-02001    | 140                          | Carbon Tetrachloride                    | 8/27/2008       | 1200                       |
| 54-02001    | 140                          | Chloroform                              | 5/27/2008       | 3300                       |
| 54-02001    | 140                          | Cyclohexane                             | 5/27/2008       | 8600                       |
| 54-02001    | 140                          | Dichlorodifluoromethane                 | 8/27/2008       | 4800                       |
| 54-02001    | 140                          | Dichlorodifluoromethane                 | 5/27/2008       | 3300                       |
| 54-02001    | 140                          | DCA                                     | 8/27/2008       | 28,000                     |
| 54-02001    | 140                          | DCA                                     | 5/27/2008       | 16,000                     |
| 54-02001    | 140                          | Dichloroethane[1,2-]                    | 5/27/2008       | 36,000                     |
| 54-02001    | 140                          | Dichloroethane[1,2-]                    | 8/27/2008       | 48,000                     |
| 54-02001    | 140                          | DCE                                     | 5/27/2008       | 11,000                     |
| 54-02001    | 140                          | DCE                                     | 8/27/2008       | 17,000                     |
| 54-02001    | 140                          | Dichloropropane[1,2-]                   | 8/27/2008       | 5100                       |
| 54-02001    | 140                          | Dichloropropane[1,2-]                   | 5/27/2008       | 2500                       |
| 54-02001    | 140                          | Methylene Chloride                      | 8/27/2008       | 37,000                     |
| 54-02001    | 140                          | Methylene Chloride                      | 5/27/2008       | 26,000                     |
| 54-02001    | 140                          | Propanol[2-]                            | 5/27/2008       | 13,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02001    | 140                          | PCE                                     | 8/27/2008       | 74,000                     |
| 54-02001    | 140                          | PCE                                     | 5/27/2008       | 35,000                     |
| 54-02001    | 140                          | Toluene                                 | 5/27/2008       | 1700 (J)*                  |
| 54-02001    | 140                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/27/2008       | 24,000                     |
| 54-02001    | 140                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/27/2008       | 16,000                     |
| 54-02001    | 140                          | TCA                                     | 8/27/2008       | 710,000                    |
| 54-02001    | 140                          | TCA                                     | 5/27/2008       | 800,000                    |
| 54-02001    | 140                          | TCE                                     | 8/27/2008       | 190,000                    |
| 54-02001    | 140                          | TCE                                     | 5/27/2008       | 120,000                    |
| 54-02001    | 140                          | Freon-11                                | 8/27/2008       | 4600                       |
| 54-02001    | 140                          | Freon-11                                | 5/27/2008       | 4200                       |
| 54-02001    | 200                          | Carbon Tetrachloride                    | 3/25/2008       | 780                        |
| 54-02001    | 200                          | Chloroform                              | 3/25/2008       | 1500                       |
| 54-02001    | 200                          | Cyclohexane                             | 3/25/2008       | 12,000                     |
| 54-02001    | 200                          | Dichlorodifluoromethane                 | 3/25/2008       | 2200                       |
| 54-02001    | 200                          | Dichlorodifluoromethane                 | 12/20/2007      | 4200                       |
| 54-02001    | 200                          | DCA                                     | 12/20/2007      | 13,000                     |
| 54-02001    | 200                          | DCA                                     | 3/25/2008       | 7500                       |
| 54-02001    | 200                          | Dichloroethane[1,2-]                    | 3/25/2008       | 3300                       |
| 54-02001    | 200                          | Dichloroethane[1,2-]                    | 12/20/2007      | 6000                       |
| 54-02001    | 200                          | DCE                                     | 3/25/2008       | 13,000                     |
| 54-02001    | 200                          | DCE                                     | 12/20/2007      | 140,000                    |
| 54-02001    | 200                          | Dichloropropane[1,2-]                   | 12/20/2007      | 920                        |
| 54-02001    | 200                          | Dichloropropane[1,2-]                   | 3/25/2008       | 460                        |
| 54-02001    | 200                          | Methylene Chloride                      | 3/25/2008       | 8300                       |
| 54-02001    | 200                          | PCE                                     | 3/25/2008       | 11,000                     |
| 54-02001    | 200                          | PCE                                     | 12/20/2007      | 21,000                     |
| 54-02001    | 200                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/25/2008       | 13,000                     |
| 54-02001    | 200                          | TCA                                     | 12/20/2007      | 550,000                    |
| 54-02001    | 200                          | TCA                                     | 3/25/2008       | 440,000                    |
| 54-02001    | 200                          | TCE                                     | 12/20/2007      | 150,000                    |
| 54-02001    | 200                          | TCE                                     | 3/25/2008       | 90,000                     |
| 54-02001    | 200                          | Freon-11                                | 12/20/2007      | 4200                       |
| 54-02001    | 200                          | Freon-11                                | 3/25/2008       | 2400                       |
| 54-02002    | 40                           | Benzene                                 | 8/7/2008        | 2000                       |
| 54-02002    | 40                           | Carbon Tetrachloride                    | 8/7/2008        | 2900                       |
| 54-02002    | 40                           | Chlorobenzene                           | 8/7/2008        | 1200                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02002    | 40                           | Chloroform                              | 8/7/2008        | 17,000                     |
| 54-02002    | 40                           | DCA                                     | 8/7/2008        | 8100                       |
| 54-02002    | 40                           | Dichloroethane[1,2-]                    | 8/7/2008        | 12,000                     |
| 54-02002    | 40                           | DCE                                     | 8/7/2008        | 21,000                     |
| 54-02002    | 40                           | Dichloropropane[1,2-]                   | 8/7/2008        | 27,000                     |
| 54-02002    | 40                           | Hexane                                  | 8/7/2008        | 720                        |
| 54-02002    | 40                           | Methylene Chloride                      | 8/7/2008        | 36,000                     |
| 54-02002    | 40                           | PCE                                     | 8/7/2008        | 24,000                     |
| 54-02002    | 40                           | Toluene                                 | 8/7/2008        | 4200                       |
| 54-02002    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/7/2008        | 120,000                    |
| 54-02002    | 40                           | TCA                                     | 8/7/2008        | 490,000                    |
| 54-02002    | 40                           | TCE                                     | 8/7/2008        | 150,000                    |
| 54-02002    | 40                           | Freon-11                                | 8/7/2008        | 14,000                     |
| 54-02002    | 40                           | Xylene[1,2-]                            | 8/7/2008        | 2300                       |
| 54-02002    | 40                           | Xylene[1,3-]+Xylene[1,4-]               | 8/7/2008        | 1100                       |
| 54-02002    | 60                           | Carbon Tetrachloride                    | 6/3/2008        | 4000                       |
| 54-02002    | 60                           | Chloroform                              | 6/3/2008        | 22,000                     |
| 54-02002    | 60                           | Cyclohexane                             | 6/3/2008        | 12,000                     |
| 54-02002    | 60                           | Dichlorodifluoromethane                 | 6/3/2008        | 1300                       |
| 54-02002    | 60                           | DCA                                     | 6/3/2008        | 20,000                     |
| 54-02002    | 60                           | DCA                                     | 4/7/2008        | 22,000                     |
| 54-02002    | 60                           | Dichloroethane[1,2-]                    | 6/3/2008        | 7400                       |
| 54-02002    | 60                           | DCE                                     | 6/3/2008        | 280,000                    |
| 54-02002    | 60                           | DCE                                     | 4/7/2008        | 29,000                     |
| 54-02002    | 60                           | Dichloropropane[1,2-]                   | 4/7/2008        | 47,000                     |
| 54-02002    | 60                           | Dichloropropane[1,2-]                   | 6/3/2008        | 49,000                     |
| 54-02002    | 60                           | Methylene Chloride                      | 6/3/2008        | 4500                       |
| 54-02002    | 60                           | PCE                                     | 6/3/2008        | 37,000                     |
| 54-02002    | 60                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/3/2008        | 210,000                    |
| 54-02002    | 60                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/7/2008        | 290,000                    |
| 54-02002    | 60                           | TCA                                     | 6/3/2008        | 920,000                    |
| 54-02002    | 60                           | TCA                                     | 4/7/2008        | 1,600,000                  |
| 54-02002    | 60                           | TCE                                     | 6/3/2008        | 230,000                    |
| 54-02002    | 60                           | TCE                                     | 4/7/2008        | 230,000                    |
| 54-02002    | 60                           | Freon-11                                | 6/3/2008        | 11,000                     |
| 54-02002    | 100                          | Benzene                                 | 8/7/2008        | 2000                       |
| 54-02002    | 100                          | Benzene                                 | 6/3/2008        | 1700                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02002    | 100                          | Carbon Tetrachloride                    | 8/7/2008        | 3600                       |
| 54-02002    | 100                          | Carbon Tetrachloride                    | 6/3/2008        | 5100                       |
| 54-02002    | 100                          | Chlorobenzene                           | 8/7/2008        | 1700                       |
| 54-02002    | 100                          | Chlorobenzene                           | 6/3/2008        | 1500                       |
| 54-02002    | 100                          | Chloroform                              | 8/7/2008        | 23,000                     |
| 54-02002    | 100                          | Chloroform                              | 6/3/2008        | 25,000                     |
| 54-02002    | 100                          | Chloroform                              | 4/7/2008        | 27,000                     |
| 54-02002    | 100                          | Cyclohexane                             | 6/3/2008        | 13,000                     |
| 54-02002    | 100                          | Dichlorodifluoromethane                 | 6/3/2008        | 1700                       |
| 54-02002    | 100                          | DCA                                     | 8/7/2008        | 16,000                     |
| 54-02002    | 100                          | DCA                                     | 6/3/2008        | 17,000                     |
| 54-02002    | 100                          | Dichloroethane[1,2-]                    | 8/7/2008        | 17,000                     |
| 54-02002    | 100                          | Dichloroethane[1,2-]                    | 6/3/2008        | 17,000                     |
| 54-02002    | 100                          | DCE                                     | 8/7/2008        | 23,000                     |
| 54-02002    | 100                          | DCE                                     | 4/7/2008        | 39,000                     |
| 54-02002    | 100                          | DCE                                     | 6/3/2008        | 230,000                    |
| 54-02002    | 100                          | Dichloropropane[1,2-]                   | 8/7/2008        | 55,000                     |
| 54-02002    | 100                          | Dichloropropane[1,2-]                   | 6/3/2008        | 52,000                     |
| 54-02002    | 100                          | Dichloropropane[1,2-]                   | 4/7/2008        | 55,000                     |
| 54-02002    | 100                          | Ethanol                                 | 6/3/2008        | 5700                       |
| 54-02002    | 100                          | Methylene Chloride                      | 8/7/2008        | 38,000                     |
| 54-02002    | 100                          | Methylene Chloride                      | 4/7/2008        | 59,000                     |
| 54-02002    | 100                          | Methylene Chloride                      | 6/3/2008        | 43,000                     |
| 54-02002    | 100                          | PCE                                     | 8/7/2008        | 38,000                     |
| 54-02002    | 100                          | PCE                                     | 6/3/2008        | 38,000                     |
| 54-02002    | 100                          | Tetrahydrofuran                         | 8/7/2008        | 21,000                     |
| 54-02002    | 100                          | Tetrahydrofuran                         | 6/3/2008        | 23,000                     |
| 54-02002    | 100                          | Toluene                                 | 8/7/2008        | 7100                       |
| 54-02002    | 100                          | Toluene                                 | 6/3/2008        | 6600                       |
| 54-02002    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/7/2008        | 200,000                    |
| 54-02002    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/7/2008        | 310,000                    |
| 54-02002    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/3/2008        | 220,000                    |
| 54-02002    | 100                          | TCA                                     | 8/7/2008        | 790,000                    |
| 54-02002    | 100                          | TCA                                     | 6/3/2008        | 930,000                    |
| 54-02002    | 100                          | TCA                                     | 4/7/2008        | 1,500,000                  |
| 54-02002    | 100                          | TCE                                     | 8/7/2008        | 220,000                    |
| 54-02002    | 100                          | TCE                                     | 4/7/2008        | 260,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                   | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|---------------------------|-----------------|----------------------------|
| 54-02002    | 100                          | TCE                       | 6/3/2008        | 240,000                    |
| 54-02002    | 100                          | Freon-11                  | 8/7/2008        | 15,000                     |
| 54-02002    | 100                          | Freon-11                  | 6/3/2008        | 18,000                     |
| 54-02002    | 100                          | Xylene[1,2-]              | 8/7/2008        | 3400                       |
| 54-02002    | 100                          | Xylene[1,2-]              | 6/3/2008        | 2800                       |
| 54-02002    | 100                          | Xylene[1,3-]+Xylene[1,4-] | 8/7/2008        | 3000                       |
| 54-02002    | 100                          | Xylene[1,3-]+Xylene[1,4-] | 6/3/2008        | 2800                       |
| 54-02002    | 120                          | Benzene                   | 8/7/2008        | 2200                       |
| 54-02002    | 120                          | Benzene                   | 6/3/2008        | 2100                       |
| 54-02002    | 120                          | Carbon Tetrachloride      | 8/7/2008        | 3600                       |
| 54-02002    | 120                          | Carbon Tetrachloride      | 6/3/2008        | 5300                       |
| 54-02002    | 120                          | Chlorobenzene             | 8/7/2008        | 1700                       |
| 54-02002    | 120                          | Chlorobenzene             | 6/3/2008        | 1600                       |
| 54-02002    | 120                          | Chloroform                | 8/7/2008        | 22,000                     |
| 54-02002    | 120                          | Chloroform                | 4/7/2008        | 25,000                     |
| 54-02002    | 120                          | Chloroform                | 6/3/2008        | 25,000                     |
| 54-02002    | 120                          | Cyclohexane               | 6/3/2008        | 12,000                     |
| 54-02002    | 120                          | Dichlorodifluoromethane   | 6/3/2008        | 1800                       |
| 54-02002    | 120                          | DCA                       | 8/7/2008        | 13,000                     |
| 54-02002    | 120                          | DCA                       | 6/3/2008        | 15,000                     |
| 54-02002    | 120                          | Dichloroethane[1,2-]      | 8/7/2008        | 17,000                     |
| 54-02002    | 120                          | Dichloroethane[1,2-]      | 4/7/2008        | 18,000                     |
| 54-02002    | 120                          | Dichloroethane[1,2-]      | 6/3/2008        | 18,000                     |
| 54-02002    | 120                          | DCE                       | 8/7/2008        | 25,000                     |
| 54-02002    | 120                          | DCE                       | 4/7/2008        | 40,000                     |
| 54-02002    | 120                          | DCE                       | 6/3/2008        | 190,000                    |
| 54-02002    | 120                          | Dichloropropane[1,2-]     | 8/7/2008        | 44,000                     |
| 54-02002    | 120                          | Dichloropropane[1,2-]     | 4/7/2008        | 42,000                     |
| 54-02002    | 120                          | Dichloropropane[1,2-]     | 6/3/2008        | 46,000                     |
| 54-02002    | 120                          | Ethanol                   | 6/3/2008        | 6400                       |
| 54-02002    | 120                          | Hexane                    | 6/3/2008        | 790                        |
| 54-02002    | 120                          | Methylene Chloride        | 8/7/2008        | 44,000                     |
| 54-02002    | 120                          | Methylene Chloride        | 6/3/2008        | 52,000                     |
| 54-02002    | 120                          | Methylene Chloride        | 4/7/2008        | 60,000                     |
| 54-02002    | 120                          | PCE                       | 8/7/2008        | 34,000                     |
| 54-02002    | 120                          | PCE                       | 6/3/2008        | 36,000                     |
| 54-02002    | 120                          | Tetrahydrofuran           | 8/7/2008        | 6000                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02002    | 120                          | Tetrahydrofuran                         | 6/3/2008        | 7000                       |
| 54-02002    | 120                          | Toluene                                 | 8/7/2008        | 5200                       |
| 54-02002    | 120                          | Toluene                                 | 6/3/2008        | 5000                       |
| 54-02002    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/7/2008        | 170,000                    |
| 54-02002    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/3/2008        | 210,000                    |
| 54-02002    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/7/2008        | 270,000                    |
| 54-02002    | 120                          | TCA                                     | 8/7/2008        | 700,000                    |
| 54-02002    | 120                          | TCA                                     | 6/3/2008        | 900,000                    |
| 54-02002    | 120                          | TCA                                     | 4/7/2008        | 1,200,000                  |
| 54-02002    | 120                          | TCE                                     | 8/7/2008        | 200,000                    |
| 54-02002    | 120                          | TCE                                     | 4/7/2008        | 240,000                    |
| 54-02002    | 120                          | TCE                                     | 6/3/2008        | 250,000                    |
| 54-02002    | 120                          | Freon-11                                | 8/7/2008        | 16,000                     |
| 54-02002    | 120                          | Freon-11                                | 6/3/2008        | 20,000                     |
| 54-02002    | 120                          | Xylene[1,2-]                            | 8/7/2008        | 3200                       |
| 54-02002    | 120                          | Xylene[1,2-]                            | 6/3/2008        | 2800                       |
| 54-02002    | 120                          | Xylene[1,3-]+Xylene[1,4-]               | 8/7/2008        | 2100                       |
| 54-02002    | 120                          | Xylene[1,3-]+Xylene[1,4-]               | 6/3/2008        | 2000                       |
| 54-02002    | 180                          | Benzene                                 | 8/7/2008        | 2200                       |
| 54-02002    | 180                          | Benzene                                 | 6/3/2008        | 1900                       |
| 54-02002    | 180                          | Carbon Tetrachloride                    | 8/7/2008        | 3500                       |
| 54-02002    | 180                          | Carbon Tetrachloride                    | 6/3/2008        | 5100                       |
| 54-02002    | 180                          | Chlorobenzene                           | 8/7/2008        | 1600                       |
| 54-02002    | 180                          | Chlorobenzene                           | 6/3/2008        | 1300                       |
| 54-02002    | 180                          | Chloroform                              | 8/7/2008        | 22,000                     |
| 54-02002    | 180                          | Chloroform                              | 6/3/2008        | 24,000                     |
| 54-02002    | 180                          | Cyclohexane                             | 6/3/2008        | 12,000                     |
| 54-02002    | 180                          | Dichlorodifluoromethane                 | 6/3/2008        | 1800                       |
| 54-02002    | 180                          | DCA                                     | 8/7/2008        | 12,000                     |
| 54-02002    | 180                          | DCA                                     | 6/3/2008        | 14,000                     |
| 54-02002    | 180                          | Dichloroethane[1,2-]                    | 8/7/2008        | 17,000                     |
| 54-02002    | 180                          | Dichloroethane[1,2-]                    | 6/3/2008        | 17,000                     |
| 54-02002    | 180                          | DCE                                     | 8/7/2008        | 25,000                     |
| 54-02002    | 180                          | DCE                                     | 6/3/2008        | 190,000                    |
| 54-02002    | 180                          | Dichloropropane[1,2-]                   | 8/7/2008        | 43,000                     |
| 54-02002    | 180                          | Dichloropropane[1,2-]                   | 6/3/2008        | 42,000                     |
| 54-02002    | 180                          | Ethanol                                 | 6/3/2008        | 5800                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02002    | 180                          | Hexane                                  | 6/3/2008        | 780                        |
| 54-02002    | 180                          | Methylene Chloride                      | 8/7/2008        | 44,000                     |
| 54-02002    | 180                          | Methylene Chloride                      | 6/3/2008        | 49,000                     |
| 54-02002    | 180                          | PCE                                     | 8/7/2008        | 32,000                     |
| 54-02002    | 180                          | PCE                                     | 6/3/2008        | 31,000                     |
| 54-02002    | 180                          | Tetrahydrofuran                         | 8/7/2008        | 4500                       |
| 54-02002    | 180                          | Tetrahydrofuran                         | 6/3/2008        | 5400                       |
| 54-02002    | 180                          | Toluene                                 | 8/7/2008        | 4300                       |
| 54-02002    | 180                          | Toluene                                 | 6/3/2008        | 3800                       |
| 54-02002    | 180                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/7/2008        | 170,000                    |
| 54-02002    | 180                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/3/2008        | 200,000                    |
| 54-02002    | 180                          | TCA                                     | 8/7/2008        | 680,000                    |
| 54-02002    | 180                          | TCA                                     | 6/3/2008        | 820,000                    |
| 54-02002    | 180                          | TCE                                     | 8/7/2008        | 200,000                    |
| 54-02002    | 180                          | TCE                                     | 6/3/2008        | 220,000                    |
| 54-02002    | 180                          | Freon-11                                | 8/7/2008        | 16,000                     |
| 54-02002    | 180                          | Freon-11                                | 6/3/2008        | 20,000                     |
| 54-02002    | 180                          | Xylene[1,2-]                            | 8/7/2008        | 3000                       |
| 54-02002    | 180                          | Xylene[1,2-]                            | 6/3/2008        | 2100                       |
| 54-02002    | 180                          | Xylene[1,3-]+Xylene[1,4-]               | 8/7/2008        | 1600                       |
| 54-02002    | 180                          | Xylene[1,3-]+Xylene[1,4-]               | 6/3/2008        | 1100                       |
| 54-02002    | 200                          | Chloroform                              | 4/7/2008        | 25,000                     |
| 54-02002    | 200                          | DCA                                     | 4/7/2008        | 8300                       |
| 54-02002    | 200                          | Dichloroethane[1,2-]                    | 4/7/2008        | 8600                       |
| 54-02002    | 200                          | DCE                                     | 4/7/2008        | 61,000                     |
| 54-02002    | 200                          | Dichloropropane[1,2-]                   | 4/7/2008        | 17,000                     |
| 54-02002    | 200                          | Methylene Chloride                      | 4/7/2008        | 66,000                     |
| 54-02002    | 200                          | PCE                                     | 4/7/2008        | 20,000                     |
| 54-02002    | 200                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/7/2008        | 260,000                    |
| 54-02002    | 200                          | TCA                                     | 4/7/2008        | 910,000                    |
| 54-02002    | 200                          | TCE                                     | 4/7/2008        | 200,000                    |
| 54-02002    | 200                          | Freon-11                                | 4/7/2008        | 32,000                     |
| 54-02016    | 18                           | Benzene                                 | 8/20/2008       | 3300                       |
| 54-02016    | 18                           | Carbon Tetrachloride                    | 8/20/2008       | 6300                       |
| 54-02016    | 18                           | Chloroform                              | 8/20/2008       | 40,000                     |
| 54-02016    | 18                           | DCA                                     | 8/20/2008       | 31,000                     |
| 54-02016    | 18                           | Dichloroethane[1,2-]                    | 8/20/2008       | 44,000                     |



Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02016    | 18                           | DCE                                     | 8/20/2008       | 56,000                     |
| 54-02016    | 18                           | Dichloropropane[1,2-]                   | 8/20/2008       | 160,000                    |
| 54-02016    | 18                           | Ethanol                                 | 8/20/2008       | 10,000                     |
| 54-02016    | 18                           | Methylene Chloride                      | 8/20/2008       | 150,000                    |
| 54-02016    | 18                           | PCE                                     | 8/20/2008       | 66,000                     |
| 54-02016    | 18                           | Toluene                                 | 8/20/2008       | 2800                       |
| 54-02016    | 18                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/20/2008       | 380,000                    |
| 54-02016    | 18                           | TCA                                     | 8/20/2008       | 1,500,000                  |
| 54-02016    | 18                           | TCE                                     | 8/20/2008       | 440,000                    |
| 54-02016    | 18                           | Freon-11                                | 8/20/2008       | 25,000                     |
| 54-02016    | 31                           | Carbon Tetrachloride                    | 4/1/2008        | 3000                       |
| 54-02016    | 31                           | Carbon Tetrachloride                    | 8/20/2008       | 2800                       |
| 54-02016    | 31                           | Chloroform                              | 4/1/2008        | 16,000                     |
| 54-02016    | 31                           | Chloroform                              | 5/16/2008       | 12,000                     |
| 54-02016    | 31                           | Chloroform                              | 8/20/2008       | 16,000                     |
| 54-02016    | 31                           | Cyclohexane                             | 5/16/2008       | 14,000                     |
| 54-02016    | 31                           | Cyclohexane                             | 4/1/2008        | 37,000                     |
| 54-02016    | 31                           | DCA                                     | 5/16/2008       | 20,000                     |
| 54-02016    | 31                           | DCA                                     | 4/1/2008        | 25,000                     |
| 54-02016    | 31                           | DCA                                     | 8/20/2008       | 23,000                     |
| 54-02016    | 31                           | Dichloroethane[1,2-]                    | 5/16/2008       | 71,000                     |
| 54-02016    | 31                           | Dichloroethane[1,2-]                    | 4/1/2008        | 79,000                     |
| 54-02016    | 31                           | Dichloroethane[1,2-]                    | 8/20/2008       | 110,000                    |
| 54-02016    | 31                           | DCE                                     | 4/1/2008        | 29,000                     |
| 54-02016    | 31                           | DCE                                     | 5/16/2008       | 28,000                     |
| 54-02016    | 31                           | DCE                                     | 8/20/2008       | 26,000                     |
| 54-02016    | 31                           | Dichloropropane[1,2-]                   | 4/1/2008        | 42,000                     |
| 54-02016    | 31                           | Dichloropropane[1,2-]                   | 5/16/2008       | 25,000                     |
| 54-02016    | 31                           | Dichloropropane[1,2-]                   | 8/20/2008       | 46,000                     |
| 54-02016    | 31                           | Methylene Chloride                      | 4/1/2008        | 3000                       |
| 54-02016    | 31                           | Methylene Chloride                      | 5/16/2008       | 2400                       |
| 54-02016    | 31                           | Propanol[2-]                            | 5/16/2008       | 12,000                     |
| 54-02016    | 31                           | PCE                                     | 4/1/2008        | 30,000                     |
| 54-02016    | 31                           | PCE                                     | 5/16/2008       | 12,000                     |
| 54-02016    | 31                           | PCE                                     | 8/20/2008       | 34,000                     |
| 54-02016    | 31                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/16/2008       | 310,000                    |
| 54-02016    | 31                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/1/2008        | 390,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02016    | 31                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/20/2008       | 280,000                    |
| 54-02016    | 31                           | TCA                                     | 5/16/2008       | 1,200,000                  |
| 54-02016    | 31                           | TCA                                     | 4/1/2008        | 1,400,000                  |
| 54-02016    | 31                           | TCA                                     | 8/20/2008       | 920,000                    |
| 54-02016    | 31                           | TCE                                     | 4/1/2008        | 290,000                    |
| 54-02016    | 31                           | TCE                                     | 5/16/2008       | 160,000                    |
| 54-02016    | 31                           | TCE                                     | 8/20/2008       | 250,000                    |
| 54-02016    | 31                           | Freon-11                                | 5/16/2008       | 9900                       |
| 54-02016    | 31                           | Freon-11                                | 4/1/2008        | 9900                       |
| 54-02016    | 31                           | Freon-11                                | 8/20/2008       | 8100                       |
| 54-02016    | 82                           | Chloroform                              | 5/16/2008       | 5800                       |
| 54-02016    | 82                           | Cyclohexane                             | 5/16/2008       | 9400                       |
| 54-02016    | 82                           | DCA                                     | 5/16/2008       | 11,000                     |
| 54-02016    | 82                           | Dichloroethane[1,2-]                    | 5/16/2008       | 4600                       |
| 54-02016    | 82                           | DCE                                     | 5/16/2008       | 21,000                     |
| 54-02016    | 82                           | Dichloropropane[1,2-]                   | 5/16/2008       | 9200                       |
| 54-02016    | 82                           | Propanol[2-]                            | 5/16/2008       | 23,000                     |
| 54-02016    | 82                           | PCE                                     | 5/16/2008       | 51,000                     |
| 54-02016    | 82                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/16/2008       | 240,000                    |
| 54-02016    | 82                           | TCA                                     | 5/16/2008       | 870,000                    |
| 54-02016    | 82                           | TCE                                     | 5/16/2008       | 110,000                    |
| 54-02016    | 82                           | Freon-11                                | 5/16/2008       | 7500                       |
| 54-02021    | 20                           | Carbon Tetrachloride                    | 8/25/2008       | 460 (J)                    |
| 54-02021    | 20                           | Chloroform                              | 5/28/2008       | 270                        |
| 54-02021    | 20                           | Chloroform                              | 8/25/2008       | 800 (J)                    |
| 54-02021    | 20                           | Cyclohexane                             | 5/28/2008       | 900                        |
| 54-02021    | 20                           | Dichlorodifluoromethane                 | 5/28/2008       | 300                        |
| 54-02021    | 20                           | Dichlorodifluoromethane                 | 8/25/2008       | 1200 (J)                   |
| 54-02021    | 20                           | DCA                                     | 5/28/2008       | 1400                       |
| 54-02021    | 20                           | DCA                                     | 8/25/2008       | 3300 (J)                   |
| 54-02021    | 20                           | Dichloroethane[1,2-]                    | 5/28/2008       | 1200                       |
| 54-02021    | 20                           | Dichloroethane[1,2-]                    | 8/25/2008       | 1400 (J)                   |
| 54-02021    | 20                           | DCE                                     | 5/28/2008       | 1800                       |
| 54-02021    | 20                           | DCE                                     | 8/25/2008       | 7400 (J)                   |
| 54-02021    | 20                           | Methylene Chloride                      | 8/25/2008       | 3400 (J)                   |
| 54-02021    | 20                           | PCE                                     | 5/28/2008       | 2400                       |
| 54-02021    | 20                           | PCE                                     | 8/25/2008       | 5400 (J)                   |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02021    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/28/2008       | 1800                       |
| 54-02021    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/25/2008       | 8800 (J)                   |
| 54-02021    | 20                           | TCA                                     | 5/28/2008       | 85,000                     |
| 54-02021    | 20                           | TCA                                     | 8/25/2008       | 180,000 (J)                |
| 54-02021    | 20                           | TCE                                     | 5/28/2008       | 14,000                     |
| 54-02021    | 20                           | TCE                                     | 8/25/2008       | 44,000 (J)                 |
| 54-02021    | 20                           | Freon-11                                | 5/28/2008       | 430                        |
| 54-02021    | 20                           | Freon-11                                | 8/25/2008       | 1500 (J)                   |
| 54-02021    | 60                           | Chloroform                              | 3/26/2008       | 850                        |
| 54-02021    | 60                           | Dichlorodifluoromethane                 | 3/26/2008       | 840                        |
| 54-02021    | 60                           | DCA                                     | 3/26/2008       | 4600                       |
| 54-02021    | 60                           | Dichloroethane[1,2-]                    | 3/26/2008       | 4700                       |
| 54-02021    | 60                           | DCE                                     | 3/26/2008       | 5900                       |
| 54-02021    | 60                           | Methylene Chloride                      | 3/26/2008       | 780                        |
| 54-02021    | 60                           | PCE                                     | 3/26/2008       | 4300                       |
| 54-02021    | 60                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/26/2008       | 4700                       |
| 54-02021    | 60                           | TCA                                     | 3/26/2008       | 220,000                    |
| 54-02021    | 60                           | TCE                                     | 3/26/2008       | 37,000                     |
| 54-02021    | 100                          | Chloroform                              | 3/26/2008       | 1200                       |
| 54-02021    | 100                          | Chloroform                              | 8/25/2008       | 1100 (J)                   |
| 54-02021    | 100                          | Cyclohexane                             | 5/28/2008       | 1100                       |
| 54-02021    | 100                          | Dichlorodifluoromethane                 | 3/26/2008       | 1100                       |
| 54-02021    | 100                          | Dichlorodifluoromethane                 | 8/25/2008       | 960 (J)                    |
| 54-02021    | 100                          | DCA                                     | 5/28/2008       | 1700                       |
| 54-02021    | 100                          | DCA                                     | 3/26/2008       | 5500                       |
| 54-02021    | 100                          | DCA                                     | 8/25/2008       | 5600 (J)                   |
| 54-02021    | 100                          | Dichloroethane[1,2-]                    | 5/28/2008       | 2700                       |
| 54-02021    | 100                          | Dichloroethane[1,2-]                    | 3/26/2008       | 7600                       |
| 54-02021    | 100                          | Dichloroethane[1,2-]                    | 8/25/2008       | 6800 (J)                   |
| 54-02021    | 100                          | DCE                                     | 5/28/2008       | 2100                       |
| 54-02021    | 100                          | DCE                                     | 3/26/2008       | 8100                       |
| 54-02021    | 100                          | DCE                                     | 8/25/2008       | 5900 (J)                   |
| 54-02021    | 100                          | Dichloropropane[1,2-]                   | 3/26/2008       | 980                        |
| 54-02021    | 100                          | Dichloropropane[1,2-]                   | 8/25/2008       | 1000 (J)                   |
| 54-02021    | 100                          | Methylene Chloride                      | 3/26/2008       | 3200                       |
| 54-02021    | 100                          | Methylene Chloride                      | 5/28/2008       | 980                        |
| 54-02021    | 100                          | Methylene Chloride                      | 8/25/2008       | 2600 (J)                   |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02021    | 100                          | PCE                                     | 5/28/2008       | 2600                       |
| 54-02021    | 100                          | PCE                                     | 3/26/2008       | 6500                       |
| 54-02021    | 100                          | PCE                                     | 8/25/2008       | 8100 (J)                   |
| 54-02021    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/28/2008       | 2300                       |
| 54-02021    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/26/2008       | 6400                       |
| 54-02021    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/25/2008       | 6700 (J)                   |
| 54-02021    | 100                          | TCA                                     | 5/28/2008       | 110,000                    |
| 54-02021    | 100                          | TCA                                     | 3/26/2008       | 330,000                    |
| 54-02021    | 100                          | TCA                                     | 8/25/2008       | 250,000 (J)                |
| 54-02021    | 100                          | TCE                                     | 5/28/2008       | 18,000                     |
| 54-02021    | 100                          | TCE                                     | 3/26/2008       | 54,000                     |
| 54-02021    | 100                          | TCE                                     | 8/25/2008       | 55,000 (J)                 |
| 54-02021    | 100                          | Freon-11                                | 3/26/2008       | 1200                       |
| 54-02021    | 120                          | Chloroform                              | 5/28/2008       | 210                        |
| 54-02021    | 120                          | Chloroform                              | 8/25/2008       | 970                        |
| 54-02021    | 120                          | Cyclohexane                             | 5/28/2008       | 660                        |
| 54-02021    | 120                          | Dichlorodifluoromethane                 | 5/28/2008       | 250                        |
| 54-02021    | 120                          | Dichlorodifluoromethane                 | 8/25/2008       | 820                        |
| 54-02021    | 120                          | DCA                                     | 5/28/2008       | 920                        |
| 54-02021    | 120                          | DCA                                     | 8/25/2008       | 4700                       |
| 54-02021    | 120                          | Dichloroethane[1,2-]                    | 5/28/2008       | 1300                       |
| 54-02021    | 120                          | Dichloroethane[1,2-]                    | 8/25/2008       | 5000                       |
| 54-02021    | 120                          | DCE                                     | 5/28/2008       | 1300                       |
| 54-02021    | 120                          | DCE                                     | 8/25/2008       | 5100                       |
| 54-02021    | 120                          | Dichloropropane[1,2-]                   | 8/25/2008       | 780                        |
| 54-02021    | 120                          | Methylene Chloride                      | 5/28/2008       | 640                        |
| 54-02021    | 120                          | Methylene Chloride                      | 8/25/2008       | 2600                       |
| 54-02021    | 120                          | PCE                                     | 5/28/2008       | 1300                       |
| 54-02021    | 120                          | PCE                                     | 8/25/2008       | 7000                       |
| 54-02021    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/28/2008       | 1500                       |
| 54-02021    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/25/2008       | 5900                       |
| 54-02021    | 120                          | TCA                                     | 5/28/2008       | 64,000                     |
| 54-02021    | 120                          | TCA                                     | 8/25/2008       | 220,000                    |
| 54-02021    | 120                          | TCE                                     | 5/28/2008       | 9900                       |
| 54-02021    | 120                          | TCE                                     | 8/25/2008       | 50000                      |
| 54-02021    | 120                          | Freon-11                                | 5/28/2008       | 300                        |
| 54-02021    | 140                          | Carbon Tetrachloride                    | 8/25/2008       | 250 (J)                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02021    | 140                          | Chloroform                              | 3/26/2008       | 1300                       |
| 54-02021    | 140                          | Chloroform                              | 5/28/2008       | 430                        |
| 54-02021    | 140                          | Chloroform                              | 8/25/2008       | 650 (J)                    |
| 54-02021    | 140                          | Cyclohexane                             | 5/28/2008       | 1700                       |
| 54-02021    | 140                          | Dichlorodifluoromethane                 | 5/28/2008       | 460                        |
| 54-02021    | 140                          | Dichlorodifluoromethane                 | 3/26/2008       | 1500                       |
| 54-02021    | 140                          | Dichlorodifluoromethane                 | 8/25/2008       | 560 (J)                    |
| 54-02021    | 140                          | DCA                                     | 5/28/2008       | 1900                       |
| 54-02021    | 140                          | DCA                                     | 3/26/2008       | 5500                       |
| 54-02021    | 140                          | DCA                                     | 8/25/2008       | 3100 (J)                   |
| 54-02021    | 140                          | Dichloroethane[1,2-]                    | 5/28/2008       | 1800                       |
| 54-02021    | 140                          | Dichloroethane[1,2-]                    | 3/26/2008       | 6000                       |
| 54-02021    | 140                          | Dichloroethane[1,2-]                    | 8/25/2008       | 2700 (J)                   |
| 54-02021    | 140                          | DCE                                     | 3/26/2008       | 9400                       |
| 54-02021    | 140                          | DCE                                     | 5/28/2008       | 12,000                     |
| 54-02021    | 140                          | DCE                                     | 8/25/2008       | 3700 (J)                   |
| 54-02021    | 140                          | Dichloropropane[1,2-]                   | 8/25/2008       | 470 (J)                    |
| 54-02021    | 140                          | Methylene Chloride                      | 3/26/2008       | 4000                       |
| 54-02021    | 140                          | Methylene Chloride                      | 5/28/2008       | 1600                       |
| 54-02021    | 140                          | Methylene Chloride                      | 8/25/2008       | 1700 (J)                   |
| 54-02021    | 140                          | PCE                                     | 3/26/2008       | 6100                       |
| 54-02021    | 140                          | PCE                                     | 5/28/2008       | 2600                       |
| 54-02021    | 140                          | PCE                                     | 8/25/2008       | 4600 (J)                   |
| 54-02021    | 140                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/26/2008       | 8100                       |
| 54-02021    | 140                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/28/2008       | 3100                       |
| 54-02021    | 140                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/25/2008       | 4400 (J)                   |
| 54-02021    | 140                          | TCA                                     | 3/26/2008       | 350,000                    |
| 54-02021    | 140                          | TCA                                     | 5/28/2008       | 100,000                    |
| 54-02021    | 140                          | TCA                                     | 8/25/2008       | 120,000 (J)                |
| 54-02021    | 140                          | TCE                                     | 3/26/2008       | 58,000                     |
| 54-02021    | 140                          | TCE                                     | 5/28/2008       | 20,000                     |
| 54-02021    | 140                          | TCE                                     | 8/25/2008       | 30,000 (J)                 |
| 54-02021    | 140                          | Freon-11                                | 3/26/2008       | 1700                       |
| 54-02021    | 140                          | Freon-11                                | 5/28/2008       | 600                        |
| 54-02021    | 140                          | Freon-11                                | 8/25/2008       | 700 (J)                    |
| 54-02021    | 198                          | Chloroform                              | 3/26/2008       | 930                        |
| 54-02021    | 198                          | Dichlorodifluoromethane                 | 3/26/2008       | 1600                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02021    | 198                          | DCA                                     | 3/26/2008       | 3700                       |
| 54-02021    | 198                          | Dichloroethane[1,2-]                    | 3/26/2008       | 1700                       |
| 54-02021    | 198                          | DCE                                     | 3/26/2008       | 9100                       |
| 54-02021    | 198                          | Methylene Chloride                      | 3/26/2008       | 3700                       |
| 54-02021    | 198                          | PCE                                     | 3/26/2008       | 4700                       |
| 54-02021    | 198                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/26/2008       | 8800                       |
| 54-02021    | 198                          | TCA                                     | 3/26/2008       | 230,000                    |
| 54-02021    | 198                          | TCE                                     | 3/26/2008       | 46,000                     |
| 54-02021    | 198                          | Freon-11                                | 3/26/2008       | 1700                       |
| 54-02022    | 40                           | Chloroform                              | 3/25/2008       | 590                        |
| 54-02022    | 40                           | Chloroform                              | 12/21/2007      | 1600                       |
| 54-02022    | 40                           | Cyclohexane                             | 3/25/2008       | 4400                       |
| 54-02022    | 40                           | Dichlorodifluoromethane                 | 3/25/2008       | 540                        |
| 54-02022    | 40                           | Dichlorodifluoromethane                 | 12/21/2007      | 1800                       |
| 54-02022    | 40                           | Dichlorodifluoromethane                 | 8/28/2008       | 1200                       |
| 54-02022    | 40                           | DCA                                     | 3/25/2008       | 3700                       |
| 54-02022    | 40                           | DCA                                     | 5/23/2008       | 7500                       |
| 54-02022    | 40                           | DCA                                     | 12/21/2007      | 8400                       |
| 54-02022    | 40                           | DCA                                     | 8/28/2008       | 7800                       |
| 54-02022    | 40                           | Dichloroethane[1,2-]                    | 12/21/2007      | 13,000                     |
| 54-02022    | 40                           | Dichloroethane[1,2-]                    | 5/23/2008       | 7800                       |
| 54-02022    | 40                           | Dichloroethane[1,2-]                    | 3/25/2008       | 3900                       |
| 54-02022    | 40                           | Dichloroethane[1,2-]                    | 8/28/2008       | 8600                       |
| 54-02022    | 40                           | DCE                                     | 5/23/2008       | 5700                       |
| 54-02022    | 40                           | DCE                                     | 3/25/2008       | 2300                       |
| 54-02022    | 40                           | DCE                                     | 12/21/2007      | 99,000                     |
| 54-02022    | 40                           | DCE                                     | 8/28/2008       | 5000                       |
| 54-02022    | 40                           | Dichloropropane[1,2-]                   | 3/25/2008       | 520                        |
| 54-02022    | 40                           | Dichloropropane[1,2-]                   | 12/21/2007      | 1300                       |
| 54-02022    | 40                           | Dichloropropane[1,2-]                   | 8/28/2008       | 1300                       |
| 54-02022    | 40                           | Methylene Chloride                      | 12/21/2007      | 740                        |
| 54-02022    | 40                           | Methylene Chloride                      | 3/25/2008       | 220                        |
| 54-02022    | 40                           | Methylene Chloride                      | 8/28/2008       | 410                        |
| 54-02022    | 40                           | PCE                                     | 12/21/2007      | 13,000                     |
| 54-02022    | 40                           | PCE                                     | 3/25/2008       | 5700                       |
| 54-02022    | 40                           | PCE                                     | 5/23/2008       | 3700                       |
| 54-02022    | 40                           | PCE                                     | 8/28/2008       | 16,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02022    | 40                           | Toluene                                 | 5/23/2008       | 2100                       |
| 54-02022    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 5200                       |
| 54-02022    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/25/2008       | 2600                       |
| 54-02022    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/23/2008       | 6700                       |
| 54-02022    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/28/2008       | 6100                       |
| 54-02022    | 40                           | TCA                                     | 3/25/2008       | 180,000                    |
| 54-02022    | 40                           | TCA                                     | 12/21/2007      | 380,000                    |
| 54-02022    | 40                           | TCA                                     | 5/23/2008       | 350,000                    |
| 54-02022    | 40                           | TCA                                     | 8/28/2008       | 290,000                    |
| 54-02022    | 40                           | TCE                                     | 5/23/2008       | 39,000                     |
| 54-02022    | 40                           | TCE                                     | 12/21/2007      | 72,000                     |
| 54-02022    | 40                           | TCE                                     | 3/25/2008       | 29,000                     |
| 54-02022    | 40                           | TCE                                     | 8/28/2008       | 65,000                     |
| 54-02022    | 40                           | Freon-11                                | 12/21/2007      | 1600                       |
| 54-02022    | 80                           | Chloroform                              | 8/28/2008       | 1600                       |
| 54-02022    | 80                           | Dichlorodifluoromethane                 | 8/28/2008       | 1300                       |
| 54-02022    | 80                           | DCA                                     | 5/23/2008       | 8400                       |
| 54-02022    | 80                           | DCA                                     | 8/28/2008       | 9000                       |
| 54-02022    | 80                           | Dichloroethane[1,2-]                    | 5/23/2008       | 10,000                     |
| 54-02022    | 80                           | Dichloroethane[1,2-]                    | 8/28/2008       | 11,000                     |
| 54-02022    | 80                           | DCE                                     | 5/23/2008       | 7000                       |
| 54-02022    | 80                           | DCE                                     | 8/28/2008       | 6300                       |
| 54-02022    | 80                           | Dichloropropane[1,2-]                   | 8/28/2008       | 1700                       |
| 54-02022    | 80                           | Methylene Chloride                      | 5/23/2008       | 3700                       |
| 54-02022    | 80                           | Methylene Chloride                      | 8/28/2008       | 3000                       |
| 54-02022    | 80                           | PCE                                     | 5/23/2008       | 4000                       |
| 54-02022    | 80                           | PCE                                     | 8/28/2008       | 15,000                     |
| 54-02022    | 80                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/23/2008       | 7800                       |
| 54-02022    | 80                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/28/2008       | 6600                       |
| 54-02022    | 80                           | TCA                                     | 5/23/2008       | 440,000                    |
| 54-02022    | 80                           | TCA                                     | 8/28/2008       | 350,000                    |
| 54-02022    | 80                           | TCE                                     | 5/23/2008       | 49,000                     |
| 54-02022    | 80                           | TCE                                     | 8/28/2008       | 78,000                     |
| 54-02022    | 100                          | Chloroform                              | 12/21/2007      | 2200                       |
| 54-02022    | 100                          | Dichlorodifluoromethane                 | 12/21/2007      | 2300                       |
| 54-02022    | 100                          | DCA                                     | 12/21/2007      | 11,000                     |
| 54-02022    | 100                          | Dichloroethane[1,2-]                    | 12/21/2007      | 18,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02022    | 100                          | DCE                                     | 12/21/2007      | 140,000                    |
| 54-02022    | 100                          | Dichloropropane[1,2-]                   | 12/21/2007      | 1700                       |
| 54-02022    | 100                          | Methylene Chloride                      | 12/21/2007      | 5400                       |
| 54-02022    | 100                          | PCE                                     | 12/21/2007      | 13,000                     |
| 54-02022    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 6800                       |
| 54-02022    | 100                          | TCA                                     | 12/21/2007      | 540,000                    |
| 54-02022    | 100                          | TCE                                     | 12/21/2007      | 100,000                    |
| 54-02022    | 100                          | Freon-11                                | 12/21/2007      | 2200                       |
| 54-02022    | 120                          | Chloroform                              | 12/21/2007      | 2200                       |
| 54-02022    | 120                          | Chloroform                              | 3/25/2008       | 1700                       |
| 54-02022    | 120                          | Cyclohexane                             | 3/25/2008       | 14,000                     |
| 54-02022    | 120                          | Dichlorodifluoromethane                 | 3/25/2008       | 1700                       |
| 54-02022    | 120                          | Dichlorodifluoromethane                 | 12/21/2007      | 2400                       |
| 54-02022    | 120                          | Dichlorodifluoromethane                 | 5/23/2008       | 2000                       |
| 54-02022    | 120                          | Dichlorodifluoromethane                 | 8/28/2008       | 1500                       |
| 54-02022    | 120                          | DCA                                     | 3/25/2008       | 8800                       |
| 54-02022    | 120                          | DCA                                     | 5/23/2008       | 8700                       |
| 54-02022    | 120                          | DCA                                     | 12/21/2007      | 11,000                     |
| 54-02022    | 120                          | DCA                                     | 8/28/2008       | 9400                       |
| 54-02022    | 120                          | Dichloroethane[1,2-]                    | 3/25/2008       | 9400                       |
| 54-02022    | 120                          | Dichloroethane[1,2-]                    | 5/23/2008       | 9000                       |
| 54-02022    | 120                          | Dichloroethane[1,2-]                    | 12/21/2007      | 14,000                     |
| 54-02022    | 120                          | Dichloroethane[1,2-]                    | 8/28/2008       | 9800                       |
| 54-02022    | 120                          | DCE                                     | 5/23/2008       | 10,000                     |
| 54-02022    | 120                          | DCE                                     | 12/21/2007      | 120,000                    |
| 54-02022    | 120                          | DCE                                     | 3/25/2008       | 8900                       |
| 54-02022    | 120                          | DCE                                     | 8/28/2008       | 8900                       |
| 54-02022    | 120                          | Dichloropropane[1,2-]                   | 12/21/2007      | 1500                       |
| 54-02022    | 120                          | Dichloropropane[1,2-]                   | 3/25/2008       | 1200                       |
| 54-02022    | 120                          | Dichloropropane[1,2-]                   | 8/28/2008       | 1600                       |
| 54-02022    | 120                          | Methylene Chloride                      | 12/21/2007      | 5500                       |
| 54-02022    | 120                          | Methylene Chloride                      | 3/25/2008       | 4100                       |
| 54-02022    | 120                          | Methylene Chloride                      | 5/23/2008       | 4400                       |
| 54-02022    | 120                          | Methylene Chloride                      | 8/28/2008       | 3800                       |
| 54-02022    | 120                          | PCE                                     | 3/25/2008       | 9800                       |
| 54-02022    | 120                          | PCE                                     | 12/21/2007      | 12,000                     |
| 54-02022    | 120                          | PCE                                     | 5/23/2008       | 3400                       |



Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02022    | 120                          | PCE                                     | 8/28/2008       | 13,000                     |
| 54-02022    | 120                          | Toluene                                 | 5/23/2008       | 1400                       |
| 54-02022    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/23/2008       | 9000                       |
| 54-02022    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/25/2008       | 7200                       |
| 54-02022    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 4600                       |
| 54-02022    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/28/2008       | 7800                       |
| 54-02022    | 120                          | TCA                                     | 5/23/2008       | 500,000                    |
| 54-02022    | 120                          | TCA                                     | 12/21/2007      | 580,000                    |
| 54-02022    | 120                          | TCA                                     | 3/25/2008       | 560,000                    |
| 54-02022    | 120                          | TCA                                     | 8/28/2008       | 400,000                    |
| 54-02022    | 120                          | TCE                                     | 5/23/2008       | 56,000                     |
| 54-02022    | 120                          | TCE                                     | 3/25/2008       | 85,000                     |
| 54-02022    | 120                          | TCE                                     | 12/21/2007      | 110,000                    |
| 54-02022    | 120                          | TCE                                     | 8/28/2008       | 91,000                     |
| 54-02022    | 120                          | Freon-11                                | 5/23/2008       | 2200                       |
| 54-02022    | 120                          | Freon-11                                | 12/21/2007      | 2300                       |
| 54-02022    | 140                          | Dichlorodifluoromethane                 | 5/23/2008       | 1900                       |
| 54-02022    | 140                          | Dichlorodifluoromethane                 | 8/28/2008       | 1500                       |
| 54-02022    | 140                          | DCA                                     | 5/23/2008       | 6600                       |
| 54-02022    | 140                          | DCA                                     | 8/28/2008       | 7300                       |
| 54-02022    | 140                          | Dichloroethane[1,2-]                    | 5/23/2008       | 4400                       |
| 54-02022    | 140                          | Dichloroethane[1,2-]                    | 8/28/2008       | 5200                       |
| 54-02022    | 140                          | DCE                                     | 5/23/2008       | 11,000                     |
| 54-02022    | 140                          | DCE                                     | 8/28/2008       | 10,000                     |
| 54-02022    | 140                          | Dichloropropane[1,2-]                   | 8/28/2008       | 1000                       |
| 54-02022    | 140                          | Methylene Chloride                      | 5/23/2008       | 6000                       |
| 54-02022    | 140                          | Methylene Chloride                      | 8/28/2008       | 5400                       |
| 54-02022    | 140                          | Propanol[2-]                            | 5/23/2008       | 3500                       |
| 54-02022    | 140                          | PCE                                     | 5/23/2008       | 2800                       |
| 54-02022    | 140                          | PCE                                     | 8/28/2008       | 9500                       |
| 54-02022    | 140                          | Toluene                                 | 5/23/2008       | 1500                       |
| 54-02022    | 140                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/23/2008       | 8400                       |
| 54-02022    | 140                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/28/2008       | 7700                       |
| 54-02022    | 140                          | TCA                                     | 5/23/2008       | 400,000                    |
| 54-02022    | 140                          | TCA                                     | 8/28/2008       | 330,000                    |
| 54-02022    | 140                          | TCE                                     | 5/23/2008       | 48,000                     |
| 54-02022    | 140                          | TCE                                     | 8/28/2008       | 80,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02022    | 140                          | Freon-11                                | 5/23/2008       | 2500                       |
| 54-02022    | 200                          | Carbon Tetrachloride                    | 12/21/2007      | 620                        |
| 54-02022    | 200                          | Carbon Tetrachloride                    | 3/25/2008       | 420                        |
| 54-02022    | 200                          | Chloroform                              | 12/21/2007      | 870                        |
| 54-02022    | 200                          | Chloroform                              | 3/25/2008       | 740                        |
| 54-02022    | 200                          | Cyclohexane                             | 3/25/2008       | 6800                       |
| 54-02022    | 200                          | Dichlorodifluoromethane                 | 12/21/2007      | 2500                       |
| 54-02022    | 200                          | Dichlorodifluoromethane                 | 3/25/2008       | 1600                       |
| 54-02022    | 200                          | DCA                                     | 12/21/2007      | 3600                       |
| 54-02022    | 200                          | DCA                                     | 3/25/2008       | 3300                       |
| 54-02022    | 200                          | Dichloroethane[1,2-]                    | 12/21/2007      | 850                        |
| 54-02022    | 200                          | Dichloroethane[1,2-]                    | 3/25/2008       | 600                        |
| 54-02022    | 200                          | DCE                                     | 12/21/2007      | 50,000                     |
| 54-02022    | 200                          | DCE                                     | 3/25/2008       | 10,000                     |
| 54-02022    | 200                          | Methylene Chloride                      | 12/21/2007      | 4100                       |
| 54-02022    | 200                          | Methylene Chloride                      | 3/25/2008       | 3600                       |
| 54-02022    | 200                          | PCE                                     | 3/25/2008       | 4100                       |
| 54-02022    | 200                          | PCE                                     | 12/21/2007      | 5400                       |
| 54-02022    | 200                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/25/2008       | 7600                       |
| 54-02022    | 200                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 6500                       |
| 54-02022    | 200                          | TCA                                     | 3/25/2008       | 250,000                    |
| 54-02022    | 200                          | TCA                                     | 12/21/2007      | 240,000                    |
| 54-02022    | 200                          | TCE                                     | 12/21/2007      | 56,000                     |
| 54-02022    | 200                          | TCE                                     | 3/25/2008       | 46,000                     |
| 54-02022    | 200                          | Freon-11                                | 3/25/2008       | 1900                       |
| 54-02022    | 200                          | Freon-11                                | 12/21/2007      | 2400                       |
| 54-02023    | 40                           | Benzene                                 | 8/15/2008       | 30                         |
| 54-02023    | 40                           | Carbon Tetrachloride                    | 6/9/2008        | 280                        |
| 54-02023    | 40                           | Carbon Tetrachloride                    | 8/15/2008       | 190                        |
| 54-02023    | 40                           | Chloroform                              | 6/9/2008        | 1500                       |
| 54-02023    | 40                           | Chloroform                              | 4/8/2008        | 1600                       |
| 54-02023    | 40                           | Chloroform                              | 8/15/2008       | 1600                       |
| 54-02023    | 40                           | Cyclohexane                             | 6/9/2008        | 710                        |
| 54-02023    | 40                           | Dichlorodifluoromethane                 | 6/9/2008        | 280                        |
| 54-02023    | 40                           | Dichlorodifluoromethane                 | 8/15/2008       | 190                        |
| 54-02023    | 40                           | DCA                                     | 4/8/2008        | 510                        |
| 54-02023    | 40                           | DCA                                     | 6/9/2008        | 520                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02023    | 40                           | DCA                                     | 8/15/2008       | 510                        |
| 54-02023    | 40                           | Dichloroethane[1,2-]                    | 6/9/2008        | 78                         |
| 54-02023    | 40                           | Dichloroethane[1,2-]                    | 8/15/2008       | 78                         |
| 54-02023    | 40                           | DCE                                     | 4/8/2008        | 3000                       |
| 54-02023    | 40                           | DCE                                     | 6/9/2008        | 6700                       |
| 54-02023    | 40                           | DCE                                     | 8/15/2008       | 2400                       |
| 54-02023    | 40                           | Dichloropropane[1,2-]                   | 6/9/2008        | 420                        |
| 54-02023    | 40                           | Dichloropropane[1,2-]                   | 8/15/2008       | 490                        |
| 54-02023    | 40                           | Methylene Chloride                      | 6/9/2008        | 61                         |
| 54-02023    | 40                           | Methylene Chloride                      | 8/15/2008       | 56                         |
| 54-02023    | 40                           | PCE                                     | 6/9/2008        | 1600                       |
| 54-02023    | 40                           | PCE                                     | 4/8/2008        | 1400                       |
| 54-02023    | 40                           | PCE                                     | 8/15/2008       | 1700                       |
| 54-02023    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/9/2008        | 13,000                     |
| 54-02023    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/8/2008        | 16,000                     |
| 54-02023    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/15/2008       | 12,000                     |
| 54-02023    | 40                           | TCA                                     | 6/9/2008        | 53,000                     |
| 54-02023    | 40                           | TCA                                     | 4/8/2008        | 58,000                     |
| 54-02023    | 40                           | TCA                                     | 8/15/2008       | 38,000                     |
| 54-02023    | 40                           | TCE                                     | 6/9/2008        | 13,000                     |
| 54-02023    | 40                           | TCE                                     | 4/8/2008        | 14,000                     |
| 54-02023    | 40                           | TCE                                     | 8/15/2008       | 12,000                     |
| 54-02023    | 40                           | Freon-11                                | 6/9/2008        | 2000                       |
| 54-02023    | 40                           | Freon-11                                | 4/8/2008        | 2000                       |
| 54-02023    | 40                           | Freon-11                                | 8/15/2008       | 1900                       |
| 54-02023    | 100                          | Benzene                                 | 6/9/2008        | 120                        |
| 54-02023    | 100                          | Benzene                                 | 8/15/2008       | 130                        |
| 54-02023    | 100                          | Carbon Tetrachloride                    | 6/9/2008        | 520                        |
| 54-02023    | 100                          | Carbon Tetrachloride                    | 8/15/2008       | 360                        |
| 54-02023    | 100                          | Chloroform                              | 6/9/2008        | 2600                       |
| 54-02023    | 100                          | Chloroform                              | 4/8/2008        | 2200                       |
| 54-02023    | 100                          | Chloroform                              | 8/15/2008       | 2400                       |
| 54-02023    | 100                          | Cyclohexane                             | 6/9/2008        | 1200                       |
| 54-02023    | 100                          | Dichlorodifluoromethane                 | 6/9/2008        | 510                        |
| 54-02023    | 100                          | Dichlorodifluoromethane                 | 8/15/2008       | 330                        |
| 54-02023    | 100                          | DCA                                     | 6/9/2008        | 850                        |
| 54-02023    | 100                          | DCA                                     | 8/15/2008       | 760                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02023    | 100                          | Dichloroethane[1,2-]                    | 6/9/2008        | 230                        |
| 54-02023    | 100                          | Dichloroethane[1,2-]                    | 8/15/2008       | 220                        |
| 54-02023    | 100                          | DCE                                     | 6/9/2008        | 11,000                     |
| 54-02023    | 100                          | DCE                                     | 4/8/2008        | 5000                       |
| 54-02023    | 100                          | DCE                                     | 8/15/2008       | 4000                       |
| 54-02023    | 100                          | Dichloropropane[1,2-]                   | 6/9/2008        | 660                        |
| 54-02023    | 100                          | Dichloropropane[1,2-]                   | 8/15/2008       | 730                        |
| 54-02023    | 100                          | Methylene Chloride                      | 6/9/2008        | 660                        |
| 54-02023    | 100                          | Methylene Chloride                      | 8/15/2008       | 570                        |
| 54-02023    | 100                          | PCE                                     | 6/9/2008        | 2600                       |
| 54-02023    | 100                          | PCE                                     | 8/15/2008       | 2700                       |
| 54-02023    | 100                          | Toluene                                 | 6/9/2008        | 100                        |
| 54-02023    | 100                          | Toluene                                 | 8/15/2008       | 140                        |
| 54-02023    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/9/2008        | 23,000                     |
| 54-02023    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/8/2008        | 25,000                     |
| 54-02023    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/15/2008       | 20,000                     |
| 54-02023    | 100                          | TCA                                     | 6/9/2008        | 89,000                     |
| 54-02023    | 100                          | TCA                                     | 4/8/2008        | 87,000                     |
| 54-02023    | 100                          | TCA                                     | 8/15/2008       | 63,000                     |
| 54-02023    | 100                          | TCE                                     | 6/9/2008        | 24,000                     |
| 54-02023    | 100                          | TCE                                     | 4/8/2008        | 20,000                     |
| 54-02023    | 100                          | TCE                                     | 8/15/2008       | 21,000                     |
| 54-02023    | 100                          | Freon-11                                | 6/9/2008        | 3300                       |
| 54-02023    | 100                          | Freon-11                                | 4/8/2008        | 2800                       |
| 54-02023    | 100                          | Freon-11                                | 8/15/2008       | 2800                       |
| 54-02023    | 120                          | Benzene                                 | 6/9/2008        | 150                        |
| 54-02023    | 120                          | Benzene                                 | 4/8/2008        | 170                        |
| 54-02023    | 120                          | Benzene                                 | 8/15/2008       | 180                        |
| 54-02023    | 120                          | Carbon Tetrachloride                    | 6/9/2008        | 620                        |
| 54-02023    | 120                          | Carbon Tetrachloride                    | 4/8/2008        | 640                        |
| 54-02023    | 120                          | Carbon Tetrachloride                    | 8/15/2008       | 470                        |
| 54-02023    | 120                          | Chloroform                              | 6/9/2008        | 2800                       |
| 54-02023    | 120                          | Chloroform                              | 4/8/2008        | 2400                       |
| 54-02023    | 120                          | Chloroform                              | 8/15/2008       | 2500                       |
| 54-02023    | 120                          | Cyclohexane                             | 6/9/2008        | 1300                       |
| 54-02023    | 120                          | Dichlorodifluoromethane                 | 6/9/2008        | 590                        |
| 54-02023    | 120                          | Dichlorodifluoromethane                 | 4/8/2008        | 620                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02023    | 120                          | Dichlorodifluoromethane                 | 8/15/2008       | 380                        |
| 54-02023    | 120                          | DCA                                     | 6/9/2008        | 900                        |
| 54-02023    | 120                          | DCA                                     | 4/8/2008        | 1200                       |
| 54-02023    | 120                          | DCA                                     | 8/15/2008       | 780                        |
| 54-02023    | 120                          | Dichloroethane[1,2-]                    | 4/8/2008        | 200                        |
| 54-02023    | 120                          | Dichloroethane[1,2-]                    | 6/9/2008        | 200                        |
| 54-02023    | 120                          | Dichloroethane[1,2-]                    | 8/15/2008       | 180                        |
| 54-02023    | 120                          | DCE                                     | 4/8/2008        | 5600                       |
| 54-02023    | 120                          | DCE                                     | 6/9/2008        | 13,000                     |
| 54-02023    | 120                          | DCE                                     | 8/15/2008       | 4600                       |
| 54-02023    | 120                          | Dichloropropane[1,2-]                   | 4/8/2008        | 720                        |
| 54-02023    | 120                          | Dichloropropane[1,2-]                   | 6/9/2008        | 630                        |
| 54-02023    | 120                          | Dichloropropane[1,2-]                   | 8/15/2008       | 650                        |
| 54-02023    | 120                          | Methylene Chloride                      | 4/8/2008        | 600                        |
| 54-02023    | 120                          | Methylene Chloride                      | 6/9/2008        | 450                        |
| 54-02023    | 120                          | Methylene Chloride                      | 8/15/2008       | 460                        |
| 54-02023    | 120                          | PCE                                     | 4/8/2008        | 2700                       |
| 54-02023    | 120                          | PCE                                     | 6/9/2008        | 2800                       |
| 54-02023    | 120                          | PCE                                     | 8/15/2008       | 2800                       |
| 54-02023    | 120                          | Toluene                                 | 4/8/2008        | 110                        |
| 54-02023    | 120                          | Toluene                                 | 8/15/2008       | 140                        |
| 54-02023    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/8/2008        | 27,000                     |
| 54-02023    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/9/2008        | 26,000                     |
| 54-02023    | 120                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/15/2008       | 22,000                     |
| 54-02023    | 120                          | TCA                                     | 4/8/2008        | 91,000                     |
| 54-02023    | 120                          | TCA                                     | 6/9/2008        | 95,000                     |
| 54-02023    | 120                          | TCA                                     | 8/15/2008       | 65,000                     |
| 54-02023    | 120                          | TCE                                     | 6/9/2008        | 26,000                     |
| 54-02023    | 120                          | TCE                                     | 4/8/2008        | 23,000                     |
| 54-02023    | 120                          | TCE                                     | 8/15/2008       | 22,000                     |
| 54-02023    | 120                          | Freon-11                                | 6/9/2008        | 3900                       |
| 54-02023    | 120                          | Freon-11                                | 4/8/2008        | 3400                       |
| 54-02023    | 120                          | Freon-11                                | 8/15/2008       | 3000                       |
| 54-02023    | 159                          | Benzene                                 | 6/9/2008        | 210                        |
| 54-02023    | 159                          | Benzene                                 | 8/15/2008       | 290                        |
| 54-02023    | 159                          | Carbon Tetrachloride                    | 6/9/2008        | 840                        |
| 54-02023    | 159                          | Carbon Tetrachloride                    | 8/15/2008       | 740                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02023    | 159                          | Chloroform                              | 6/9/2008        | 2200                       |
| 54-02023    | 159                          | Chloroform                              | 8/15/2008       | 2400                       |
| 54-02023    | 159                          | Cyclohexane                             | 6/9/2008        | 1200                       |
| 54-02023    | 159                          | Dichlorodifluoromethane                 | 6/9/2008        | 720                        |
| 54-02023    | 159                          | Dichlorodifluoromethane                 | 8/15/2008       | 540                        |
| 54-02023    | 159                          | DCA                                     | 6/9/2008        | 680                        |
| 54-02023    | 159                          | DCA                                     | 8/15/2008       | 720                        |
| 54-02023    | 159                          | DCE                                     | 6/9/2008        | 12,000                     |
| 54-02023    | 159                          | DCE                                     | 8/15/2008       | 6400                       |
| 54-02023    | 159                          | Dichloropropane[1,2-]                   | 6/9/2008        | 310                        |
| 54-02023    | 159                          | Dichloropropane[1,2-]                   | 8/15/2008       | 400                        |
| 54-02023    | 159                          | Methylene Chloride                      | 6/9/2008        | 380                        |
| 54-02023    | 159                          | Methylene Chloride                      | 8/15/2008       | 500                        |
| 54-02023    | 159                          | PCE                                     | 6/9/2008        | 2300                       |
| 54-02023    | 159                          | PCE                                     | 8/15/2008       | 2800                       |
| 54-02023    | 159                          | Toluene                                 | 6/9/2008        | 110                        |
| 54-02023    | 159                          | Toluene                                 | 8/15/2008       | 220                        |
| 54-02023    | 159                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/9/2008        | 29,000                     |
| 54-02023    | 159                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/15/2008       | 28,000                     |
| 54-02023    | 159                          | TCA                                     | 6/9/2008        | 86,000                     |
| 54-02023    | 159                          | TCA                                     | 8/15/2008       | 69,000                     |
| 54-02023    | 159                          | TCE                                     | 6/9/2008        | 24,000                     |
| 54-02023    | 159                          | TCE                                     | 8/15/2008       | 25,000                     |
| 54-02023    | 159                          | Freon-11                                | 6/9/2008        | 3900                       |
| 54-02023    | 159                          | Freon-11                                | 8/15/2008       | 3700                       |
| 54-02023    | 200                          | Chloroform                              | 4/8/2008        | 2100                       |
| 54-02023    | 200                          | DCE                                     | 4/8/2008        | 8600                       |
| 54-02023    | 200                          | Methylene Chloride                      | 4/8/2008        | 1200                       |
| 54-02023    | 200                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/8/2008        | 39,000                     |
| 54-02023    | 200                          | TCA                                     | 4/8/2008        | 94,000                     |
| 54-02023    | 200                          | TCE                                     | 4/8/2008        | 25,000                     |
| 54-02023    | 200                          | Freon-11                                | 4/8/2008        | 4000                       |
| 54-02024    | 40                           | Carbon Tetrachloride                    | 6/9/2008        | 410                        |
| 54-02024    | 40                           | Carbon Tetrachloride                    | 8/6/2008        | 240                        |
| 54-02024    | 40                           | Chloroform                              | 6/9/2008        | 2300                       |
| 54-02024    | 40                           | Chloroform                              | 4/3/2008        | 1800                       |
| 54-02024    | 40                           | Chloroform                              | 8/6/2008        | 1900                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02024    | 40                           | Cyclohexane                             | 6/9/2008        | 960                        |
| 54-02024    | 40                           | Dichlorodifluoromethane                 | 6/9/2008        | 250                        |
| 54-02024    | 40                           | Dichlorodifluoromethane                 | 8/6/2008        | 150                        |
| 54-02024    | 40                           | DCA                                     | 6/9/2008        | 810                        |
| 54-02024    | 40                           | DCA                                     | 8/6/2008        | 640                        |
| 54-02024    | 40                           | Dichloroethane[1,2-]                    | 6/9/2008        | 250                        |
| 54-02024    | 40                           | Dichloroethane[1,2-]                    | 8/6/2008        | 210                        |
| 54-02024    | 40                           | DCE                                     | 4/3/2008        | 2700                       |
| 54-02024    | 40                           | DCE                                     | 6/9/2008        | 7600                       |
| 54-02024    | 40                           | DCE                                     | 8/6/2008        | 2000                       |
| 54-02024    | 40                           | Dichloropropane[1,2-]                   | 6/9/2008        | 1400                       |
| 54-02024    | 40                           | Dichloropropane[1,2-]                   | 8/6/2008        | 1300                       |
| 54-02024    | 40                           | PCE                                     | 4/3/2008        | 1700                       |
| 54-02024    | 40                           | PCE                                     | 6/9/2008        | 2600                       |
| 54-02024    | 40                           | PCE                                     | 8/6/2008        | 2200                       |
| 54-02024    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/9/2008        | 15,000                     |
| 54-02024    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/3/2008        | 17,000                     |
| 54-02024    | 40                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/6/2008        | 12,000                     |
| 54-02024    | 40                           | TCA                                     | 6/9/2008        | 72,000                     |
| 54-02024    | 40                           | TCA                                     | 4/3/2008        | 63,000                     |
| 54-02024    | 40                           | TCA                                     | 8/6/2008        | 47,000                     |
| 54-02024    | 40                           | TCE                                     | 4/3/2008        | 13,000                     |
| 54-02024    | 40                           | TCE                                     | 6/9/2008        | 17,000                     |
| 54-02024    | 40                           | TCE                                     | 8/6/2008        | 13,000                     |
| 54-02024    | 40                           | Freon-11                                | 4/3/2008        | 2200                       |
| 54-02024    | 40                           | Freon-11                                | 6/9/2008        | 2500                       |
| 54-02024    | 40                           | Freon-11                                | 8/6/2008        | 1800                       |
| 54-02024    | 100                          | Benzene                                 | 6/9/2008        | 200                        |
| 54-02024    | 100                          | Benzene                                 | 8/6/2008        | 260                        |
| 54-02024    | 100                          | Carbon Tetrachloride                    | 6/9/2008        | 820                        |
| 54-02024    | 100                          | Carbon Tetrachloride                    | 8/6/2008        | 650                        |
| 54-02024    | 100                          | Chloroform                              | 6/9/2008        | 4000                       |
| 54-02024    | 100                          | Chloroform                              | 4/3/2008        | 3600                       |
| 54-02024    | 100                          | Chloroform                              | 8/6/2008        | 4200                       |
| 54-02024    | 100                          | Cyclohexane                             | 6/9/2008        | 1700                       |
| 54-02024    | 100                          | Dichlorodifluoromethane                 | 6/9/2008        | 530                        |
| 54-02024    | 100                          | Dichlorodifluoromethane                 | 8/6/2008        | 380                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02024    | 100                          | DCA                                     | 6/9/2008        | 1300                       |
| 54-02024    | 100                          | DCA                                     | 8/6/2008        | 1300                       |
| 54-02024    | 100                          | Dichloroethane[1,2-]                    | 6/9/2008        | 790                        |
| 54-02024    | 100                          | Dichloroethane[1,2-]                    | 8/6/2008        | 820                        |
| 54-02024    | 100                          | DCE                                     | 6/9/2008        | 16,000                     |
| 54-02024    | 100                          | DCE                                     | 4/3/2008        | 5700                       |
| 54-02024    | 100                          | DCE                                     | 8/6/2008        | 4800                       |
| 54-02024    | 100                          | Dichloropropane[1,2-]                   | 6/9/2008        | 2300                       |
| 54-02024    | 100                          | Dichloropropane[1,2-]                   | 8/6/2008        | 2700                       |
| 54-02024    | 100                          | Methylene Chloride                      | 4/3/2008        | 2100                       |
| 54-02024    | 100                          | Methylene Chloride                      | 6/9/2008        | 1700                       |
| 54-02024    | 100                          | Methylene Chloride                      | 8/6/2008        | 1500                       |
| 54-02024    | 100                          | PCE                                     | 6/9/2008        | 4400                       |
| 54-02024    | 100                          | PCE                                     | 8/6/2008        | 5200                       |
| 54-02024    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/9/2008        | 30,000                     |
| 54-02024    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/3/2008        | 33,000                     |
| 54-02024    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/6/2008        | 28,000                     |
| 54-02024    | 100                          | TCA                                     | 6/9/2008        | 120,000                    |
| 54-02024    | 100                          | TCA                                     | 4/3/2008        | 120,000                    |
| 54-02024    | 100                          | TCA                                     | 8/6/2008        | 97,000                     |
| 54-02024    | 100                          | TCE                                     | 6/9/2008        | 31,000                     |
| 54-02024    | 100                          | TCE                                     | 4/3/2008        | 24,000                     |
| 54-02024    | 100                          | TCE                                     | 8/6/2008        | 31,000                     |
| 54-02024    | 100                          | Freon-11                                | 6/9/2008        | 4900                       |
| 54-02024    | 100                          | Freon-11                                | 4/3/2008        | 4200                       |
| 54-02024    | 100                          | Freon-11                                | 8/6/2008        | 4200                       |
| 54-02024    | 140                          | Benzene                                 | 6/9/2008        | 420                        |
| 54-02024    | 140                          | Benzene                                 | 8/6/2008        | 440                        |
| 54-02024    | 140                          | Carbon Tetrachloride                    | 6/9/2008        | 1200                       |
| 54-02024    | 140                          | Carbon Tetrachloride                    | 8/6/2008        | 820                        |
| 54-02024    | 140                          | Chloroform                              | 6/9/2008        | 5600                       |
| 54-02024    | 140                          | Chloroform                              | 8/6/2008        | 4700                       |
| 54-02024    | 140                          | Cyclohexane                             | 6/9/2008        | 2200                       |
| 54-02024    | 140                          | Dichlorodifluoromethane                 | 6/9/2008        | 840                        |
| 54-02024    | 140                          | Dichlorodifluoromethane                 | 8/6/2008        | 500                        |
| 54-02024    | 140                          | DCA                                     | 6/9/2008        | 1600                       |
| 54-02024    | 140                          | DCA                                     | 8/6/2008        | 1300                       |



Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02024    | 140                          | Dichloroethane[1,2-]                    | 6/9/2008        | 1100                       |
| 54-02024    | 140                          | Dichloroethane[1,2-]                    | 8/6/2008        | 950                        |
| 54-02024    | 140                          | DCE                                     | 6/9/2008        | 19,000                     |
| 54-02024    | 140                          | DCE                                     | 8/6/2008        | 6300                       |
| 54-02024    | 140                          | Dichloropropane[1,2-]                   | 6/9/2008        | 2500                       |
| 54-02024    | 140                          | Dichloropropane[1,2-]                   | 8/6/2008        | 2400                       |
| 54-02024    | 140                          | Methylene Chloride                      | 6/9/2008        | 5100                       |
| 54-02024    | 140                          | Methylene Chloride                      | 8/6/2008        | 4000                       |
| 54-02024    | 140                          | PCE                                     | 6/9/2008        | 5600                       |
| 54-02024    | 140                          | PCE                                     | 8/6/2008        | 5200                       |
| 54-02024    | 140                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/9/2008        | 44,000                     |
| 54-02024    | 140                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/6/2008        | 33,000                     |
| 54-02024    | 140                          | TCA                                     | 6/9/2008        | 160,000                    |
| 54-02024    | 140                          | TCA                                     | 8/6/2008        | 100,000                    |
| 54-02024    | 140                          | TCE                                     | 6/9/2008        | 42,000                     |
| 54-02024    | 140                          | TCE                                     | 8/6/2008        | 34,000                     |
| 54-02024    | 140                          | Freon-11                                | 6/9/2008        | 7000                       |
| 54-02024    | 140                          | Freon-11                                | 8/6/2008        | 5000                       |
| 54-02024    | 160                          | Benzene                                 | 6/9/2008        | 480                        |
| 54-02024    | 160                          | Benzene                                 | 8/6/2008        | 560                        |
| 54-02024    | 160                          | Carbon Tetrachloride                    | 6/9/2008        | 1200                       |
| 54-02024    | 160                          | Carbon Tetrachloride                    | 8/6/2008        | 930                        |
| 54-02024    | 160                          | Chloroform                              | 6/9/2008        | 5600                       |
| 54-02024    | 160                          | Chloroform                              | 4/3/2008        | 4700                       |
| 54-02024    | 160                          | Chloroform                              | 8/6/2008        | 5100                       |
| 54-02024    | 160                          | Cyclohexane                             | 6/9/2008        | 2200                       |
| 54-02024    | 160                          | Dichlorodifluoromethane                 | 6/9/2008        | 880                        |
| 54-02024    | 160                          | Dichlorodifluoromethane                 | 8/6/2008        | 580                        |
| 54-02024    | 160                          | DCA                                     | 6/9/2008        | 1500                       |
| 54-02024    | 160                          | DCA                                     | 8/6/2008        | 1300                       |
| 54-02024    | 160                          | Dichloroethane[1,2-]                    | 6/9/2008        | 1100                       |
| 54-02024    | 160                          | Dichloroethane[1,2-]                    | 8/6/2008        | 1000                       |
| 54-02024    | 160                          | DCE                                     | 6/9/2008        | 19,000                     |
| 54-02024    | 160                          | DCE                                     | 4/3/2008        | 8600                       |
| 54-02024    | 160                          | DCE                                     | 8/6/2008        | 7400                       |
| 54-02024    | 160                          | Dichloropropane[1,2-]                   | 6/9/2008        | 2300                       |
| 54-02024    | 160                          | Dichloropropane[1,2-]                   | 8/6/2008        | 2400                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02024    | 160                          | Methylene Chloride                      | 6/9/2008        | 6600                       |
| 54-02024    | 160                          | Methylene Chloride                      | 4/3/2008        | 5800                       |
| 54-02024    | 160                          | Methylene Chloride                      | 8/6/2008        | 5600                       |
| 54-02024    | 160                          | PCE                                     | 6/9/2008        | 5400                       |
| 54-02024    | 160                          | PCE                                     | 4/3/2008        | 3700                       |
| 54-02024    | 160                          | PCE                                     | 8/6/2008        | 5500                       |
| 54-02024    | 160                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/9/2008        | 46,000                     |
| 54-02024    | 160                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/3/2008        | 45,000                     |
| 54-02024    | 160                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/6/2008        | 37,000                     |
| 54-02024    | 160                          | TCA                                     | 6/9/2008        | 160,000                    |
| 54-02024    | 160                          | TCA                                     | 4/3/2008        | 140,000                    |
| 54-02024    | 160                          | TCA                                     | 8/6/2008        | 100,000                    |
| 54-02024    | 160                          | TCE                                     | 6/9/2008        | 42,000                     |
| 54-02024    | 160                          | TCE                                     | 4/3/2008        | 34,000                     |
| 54-02024    | 160                          | TCE                                     | 8/6/2008        | 36,000                     |
| 54-02024    | 160                          | Freon-11                                | 4/3/2008        | 5700                       |
| 54-02024    | 160                          | Freon-11                                | 6/9/2008        | 7200                       |
| 54-02024    | 160                          | Freon-11                                | 8/6/2008        | 5500                       |
| 54-02024    | 200                          | Chloroform                              | 4/3/2008        | 4400                       |
| 54-02024    | 200                          | DCE                                     | 4/3/2008        | 10,000                     |
| 54-02024    | 200                          | Methylene Chloride                      | 4/3/2008        | 7300                       |
| 54-02024    | 200                          | PCE                                     | 4/3/2008        | 2900                       |
| 54-02024    | 200                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/3/2008        | 51,000                     |
| 54-02024    | 200                          | TCA                                     | 4/3/2008        | 130,000                    |
| 54-02024    | 200                          | TCE                                     | 4/3/2008        | 32,000                     |
| 54-02024    | 200                          | Freon-11                                | 4/3/2008        | 5800                       |
| 54-02025    | 20                           | Acetone                                 | 5/30/2008       | 1100 (J)                   |
| 54-02025    | 20                           | Carbon Disulfide                        | 5/30/2008       | 670                        |
| 54-02025    | 20                           | Carbon Tetrachloride                    | 8/13/2008       | 1000                       |
| 54-02025    | 20                           | Chloroform                              | 5/30/2008       | 4000                       |
| 54-02025    | 20                           | Chloroform                              | 4/4/2008        | 5000                       |
| 54-02025    | 20                           | Chloroform                              | 8/13/2008       | 6800                       |
| 54-02025    | 20                           | DCA                                     | 5/30/2008       | 2000                       |
| 54-02025    | 20                           | DCA                                     | 4/4/2008        | 2300                       |
| 54-02025    | 20                           | DCA                                     | 8/13/2008       | 2900                       |
| 54-02025    | 20                           | Dichloroethane[1,2-]                    | 5/30/2008       | 560                        |
| 54-02025    | 20                           | Dichloroethane[1,2-]                    | 8/13/2008       | 1200                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02025    | 20                           | DCE                                     | 5/30/2008       | 9000                       |
| 54-02025    | 20                           | DCE                                     | 4/4/2008        | 5000                       |
| 54-02025    | 20                           | DCE                                     | 8/13/2008       | 4300                       |
| 54-02025    | 20                           | Dichloropropane[1,2-]                   | 4/4/2008        | 6500                       |
| 54-02025    | 20                           | Dichloropropane[1,2-]                   | 5/30/2008       | 3600                       |
| 54-02025    | 20                           | Dichloropropane[1,2-]                   | 8/13/2008       | 10,000                     |
| 54-02025    | 20                           | Methylene Chloride                      | 5/30/2008       | 410                        |
| 54-02025    | 20                           | Propanol[2-]                            | 5/30/2008       | 3600                       |
| 54-02025    | 20                           | PCE                                     | 5/30/2008       | 82,000                     |
| 54-02025    | 20                           | PCE                                     | 4/4/2008        | 7000                       |
| 54-02025    | 20                           | PCE                                     | 8/13/2008       | 12,000                     |
| 54-02025    | 20                           | Toluene                                 | 5/30/2008       | 660                        |
| 54-02025    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/4/2008        | 40,000                     |
| 54-02025    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/30/2008       | 36,000                     |
| 54-02025    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/13/2008       | 39,000                     |
| 54-02025    | 20                           | TCA                                     | 5/30/2008       | 150,000                    |
| 54-02025    | 20                           | TCA                                     | 4/4/2008        | 220,000                    |
| 54-02025    | 20                           | TCA                                     | 8/13/2008       | 210,000                    |
| 54-02025    | 20                           | TCE                                     | 4/4/2008        | 33,000                     |
| 54-02025    | 20                           | TCE                                     | 5/30/2008       | 16,000                     |
| 54-02025    | 20                           | TCE                                     | 8/13/2008       | 46,000                     |
| 54-02025    | 20                           | Freon-11                                | 4/4/2008        | 4500                       |
| 54-02025    | 20                           | Freon-11                                | 5/30/2008       | 5000                       |
| 54-02025    | 20                           | Freon-11                                | 8/13/2008       | 4900                       |
| 54-02025    | 100                          | Benzene                                 | 8/13/2008       | 880                        |
| 54-02025    | 100                          | Carbon Disulfide                        | 5/30/2008       | 630                        |
| 54-02025    | 100                          | Carbon Tetrachloride                    | 8/13/2008       | 1700                       |
| 54-02025    | 100                          | Chloroform                              | 5/30/2008       | 7700                       |
| 54-02025    | 100                          | Chloroform                              | 4/4/2008        | 9500                       |
| 54-02025    | 100                          | Chloroform                              | 8/13/2008       | 11,000                     |
| 54-02025    | 100                          | Dichlorodifluoromethane                 | 5/30/2008       | 980                        |
| 54-02025    | 100                          | Dichlorodifluoromethane                 | 8/13/2008       | 610                        |
| 54-02025    | 100                          | DCA                                     | 5/30/2008       | 3300                       |
| 54-02025    | 100                          | DCA                                     | 8/13/2008       | 3900                       |
| 54-02025    | 100                          | Dichloroethane[1,2-]                    | 5/30/2008       | 2900                       |
| 54-02025    | 100                          | Dichloroethane[1,2-]                    | 8/13/2008       | 5500                       |
| 54-02025    | 100                          | DCE                                     | 4/4/2008        | 12,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02025    | 100                          | DCE                                     | 5/30/2008       | 18,000                     |
| 54-02025    | 100                          | DCE                                     | 8/13/2008       | 10,000                     |
| 54-02025    | 100                          | Dichloropropane[1,2-]                   | 5/30/2008       | 5800                       |
| 54-02025    | 100                          | Dichloropropane[1,2-]                   | 4/4/2008        | 12,000                     |
| 54-02025    | 100                          | Dichloropropane[1,2-]                   | 8/13/2008       | 15,000                     |
| 54-02025    | 100                          | Ethanol                                 | 8/13/2008       | 1500                       |
| 54-02025    | 100                          | Methylene Chloride                      | 5/30/2008       | 8900                       |
| 54-02025    | 100                          | Methylene Chloride                      | 4/4/2008        | 8600                       |
| 54-02025    | 100                          | Methylene Chloride                      | 8/13/2008       | 8800                       |
| 54-02025    | 100                          | Propanol[2-]                            | 5/30/2008       | 1900                       |
| 54-02025    | 100                          | PCE                                     | 4/4/2008        | 9800                       |
| 54-02025    | 100                          | PCE                                     | 5/30/2008       | 56,000                     |
| 54-02025    | 100                          | PCE                                     | 8/13/2008       | 16,000                     |
| 54-02025    | 100                          | Tetrahydrofuran                         | 5/30/2008       | 620                        |
| 54-02025    | 100                          | Tetrahydrofuran                         | 8/13/2008       | 1100                       |
| 54-02025    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/30/2008       | 72,000                     |
| 54-02025    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/4/2008        | 76,000                     |
| 54-02025    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/13/2008       | 65,000                     |
| 54-02025    | 100                          | TCA                                     | 5/30/2008       | 230,000                    |
| 54-02025    | 100                          | TCA                                     | 4/4/2008        | 330,000                    |
| 54-02025    | 100                          | TCA                                     | 8/13/2008       | 280,000                    |
| 54-02025    | 100                          | TCE                                     | 4/4/2008        | 60,000                     |
| 54-02025    | 100                          | TCE                                     | 5/30/2008       | 26,000                     |
| 54-02025    | 100                          | TCE                                     | 8/13/2008       | 77,000                     |
| 54-02025    | 100                          | Freon-11                                | 5/30/2008       | 12,000                     |
| 54-02025    | 100                          | Freon-11                                | 4/4/2008        | 9800                       |
| 54-02025    | 100                          | Freon-11                                | 8/13/2008       | 9800                       |
| 54-02025    | 100                          | Xylene[1,2-]                            | 8/13/2008       | 1200                       |
| 54-02025    | 160                          | Benzene                                 | 5/30/2008       | 690                        |
| 54-02025    | 160                          | Benzene                                 | 8/13/2008       | 1400                       |
| 54-02025    | 160                          | Carbon Disulfide                        | 5/30/2008       | 640                        |
| 54-02025    | 160                          | Carbon Tetrachloride                    | 5/30/2008       | 1300                       |
| 54-02025    | 160                          | Carbon Tetrachloride                    | 8/13/2008       | 2000                       |
| 54-02025    | 160                          | Chloroform                              | 5/30/2008       | 9200                       |
| 54-02025    | 160                          | Chloroform                              | 8/13/2008       | 12,000                     |
| 54-02025    | 160                          | Dichlorodifluoromethane                 | 5/30/2008       | 1300                       |
| 54-02025    | 160                          | Dichlorodifluoromethane                 | 8/13/2008       | 940                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02025    | 160                          | DCA                                     | 5/30/2008       | 3300                       |
| 54-02025    | 160                          | DCA                                     | 8/13/2008       | 3500                       |
| 54-02025    | 160                          | Dichloroethane[1,2-]                    | 5/30/2008       | 2900                       |
| 54-02025    | 160                          | Dichloroethane[1,2-]                    | 8/13/2008       | 5000                       |
| 54-02025    | 160                          | DCE                                     | 5/30/2008       | 27,000                     |
| 54-02025    | 160                          | DCE                                     | 8/13/2008       | 15,000                     |
| 54-02025    | 160                          | Dichloropropane[1,2-]                   | 5/30/2008       | 5400                       |
| 54-02025    | 160                          | Dichloropropane[1,2-]                   | 8/13/2008       | 13,000                     |
| 54-02025    | 160                          | Hexane                                  | 8/13/2008       | 420                        |
| 54-02025    | 160                          | Methylene Chloride                      | 5/30/2008       | 21,000                     |
| 54-02025    | 160                          | Methylene Chloride                      | 8/13/2008       | 20,000                     |
| 54-02025    | 160                          | PCE                                     | 5/30/2008       | 45,000                     |
| 54-02025    | 160                          | PCE                                     | 8/13/2008       | 15,000                     |
| 54-02025    | 160                          | Toluene                                 | 5/30/2008       | 1000                       |
| 54-02025    | 160                          | Toluene                                 | 8/13/2008       | 2700                       |
| 54-02025    | 160                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/30/2008       | 93,000                     |
| 54-02025    | 160                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/13/2008       | 78,000                     |
| 54-02025    | 160                          | TCA                                     | 5/30/2008       | 240,000                    |
| 54-02025    | 160                          | TCA                                     | 8/13/2008       | 260,000                    |
| 54-02025    | 160                          | TCE                                     | 5/30/2008       | 32,000                     |
| 54-02025    | 160                          | TCE                                     | 8/13/2008       | 84,000                     |
| 54-02025    | 160                          | Freon-11                                | 5/30/2008       | 15,000                     |
| 54-02025    | 160                          | Freon-11                                | 8/13/2008       | 12,000                     |
| 54-02025    | 160                          | Xylene[1,2-]                            | 8/13/2008       | 1200                       |
| 54-02025    | 160                          | Xylene[1,3-]+Xylene[1,4-]               | 8/13/2008       | 540                        |
| 54-02025    | 190                          | Chloroform                              | 4/4/2008        | 10,000                     |
| 54-02025    | 190                          | DCE                                     | 4/4/2008        | 22,000                     |
| 54-02025    | 190                          | Methylene Chloride                      | 4/4/2008        | 21,000                     |
| 54-02025    | 190                          | PCE                                     | 4/4/2008        | 7700                       |
| 54-02025    | 190                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/4/2008        | 100,000                    |
| 54-02025    | 190                          | TCA                                     | 4/4/2008        | 300,000                    |
| 54-02025    | 190                          | TCE                                     | 4/4/2008        | 70,000                     |
| 54-02025    | 190                          | Freon-11                                | 4/4/2008        | 13,000                     |
| 54-02026    | 20                           | Carbon Tetrachloride                    | 8/13/2008       | 40                         |
| 54-02026    | 20                           | Chloroform                              | 4/9/2008        | 240                        |
| 54-02026    | 20                           | Chloroform                              | 6/5/2008        | 200                        |
| 54-02026    | 20                           | Chloroform                              | 8/13/2008       | 250                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02026    | 20                           | Cyclohexane                             | 6/5/2008        | 67                         |
| 54-02026    | 20                           | Dichlorodifluoromethane                 | 6/5/2008        | 40                         |
| 54-02026    | 20                           | Dichlorodifluoromethane                 | 8/13/2008       | 36                         |
| 54-02026    | 20                           | DCA                                     | 6/5/2008        | 38                         |
| 54-02026    | 20                           | DCA                                     | 8/13/2008       | 47                         |
| 54-02026    | 20                           | DCE                                     | 6/5/2008        | 790                        |
| 54-02026    | 20                           | DCE                                     | 4/9/2008        | 350                        |
| 54-02026    | 20                           | DCE                                     | 8/13/2008       | 280                        |
| 54-02026    | 20                           | Dichloropropane[1,2-]                   | 8/13/2008       | 37                         |
| 54-02026    | 20                           | PCE                                     | 6/5/2008        | 220                        |
| 54-02026    | 20                           | PCE                                     | 4/9/2008        | 270                        |
| 54-02026    | 20                           | PCE                                     | 8/13/2008       | 240                        |
| 54-02026    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/5/2008        | 1700                       |
| 54-02026    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/9/2008        | 2300                       |
| 54-02026    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/13/2008       | 2000                       |
| 54-02026    | 20                           | TCA                                     | 4/9/2008        | 7900                       |
| 54-02026    | 20                           | TCA                                     | 6/5/2008        | 5000                       |
| 54-02026    | 20                           | TCA                                     | 8/13/2008       | 6500                       |
| 54-02026    | 20                           | TCE                                     | 4/9/2008        | 1800                       |
| 54-02026    | 20                           | TCE                                     | 6/5/2008        | 1400                       |
| 54-02026    | 20                           | TCE                                     | 8/13/2008       | 1700                       |
| 54-02026    | 20                           | Freon-11                                | 6/5/2008        | 220                        |
| 54-02026    | 20                           | Freon-11                                | 4/9/2008        | 250                        |
| 54-02026    | 20                           | Freon-11                                | 8/13/2008       | 240                        |
| 54-02026    | 100                          | Carbon Disulfide                        | 8/13/2008       | 140                        |
| 54-02026    | 100                          | Carbon Tetrachloride                    | 6/5/2008        | 100                        |
| 54-02026    | 100                          | Carbon Tetrachloride                    | 8/13/2008       | 100                        |
| 54-02026    | 100                          | Chloroform                              | 4/9/2008        | 450                        |
| 54-02026    | 100                          | Chloroform                              | 6/5/2008        | 430                        |
| 54-02026    | 100                          | Chloroform                              | 8/13/2008       | 510                        |
| 54-02026    | 100                          | Cyclohexane                             | 6/5/2008        | 140                        |
| 54-02026    | 100                          | Dichlorodifluoromethane                 | 6/5/2008        | 110                        |
| 54-02026    | 100                          | Dichlorodifluoromethane                 | 8/13/2008       | 91                         |
| 54-02026    | 100                          | DCA                                     | 6/5/2008        | 84                         |
| 54-02026    | 100                          | DCA                                     | 8/13/2008       | 100                        |
| 54-02026    | 100                          | DCE                                     | 4/9/2008        | 780                        |
| 54-02026    | 100                          | DCE                                     | 6/5/2008        | 1700                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02026    | 100                          | DCE                                     | 8/13/2008       | 890                        |
| 54-02026    | 100                          | Dichloropropane[1,2-]                   | 6/5/2008        | 57                         |
| 54-02026    | 100                          | Dichloropropane[1,2-]                   | 8/13/2008       | 63                         |
| 54-02026    | 100                          | Methylene Chloride                      | 6/5/2008        | 33                         |
| 54-02026    | 100                          | Methylene Chloride                      | 8/13/2008       | 47                         |
| 54-02026    | 100                          | PCE                                     | 6/5/2008        | 470                        |
| 54-02026    | 100                          | PCE                                     | 4/9/2008        | 410                        |
| 54-02026    | 100                          | PCE                                     | 8/13/2008       | 420                        |
| 54-02026    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/5/2008        | 4200                       |
| 54-02026    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/9/2008        | 4800                       |
| 54-02026    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/13/2008       | 5200                       |
| 54-02026    | 100                          | TCA                                     | 4/9/2008        | 14,000                     |
| 54-02026    | 100                          | TCA                                     | 6/5/2008        | 11,000                     |
| 54-02026    | 100                          | TCA                                     | 8/13/2008       | 14,000                     |
| 54-02026    | 100                          | TCE                                     | 4/9/2008        | 3100                       |
| 54-02026    | 100                          | TCE                                     | 6/5/2008        | 3100                       |
| 54-02026    | 100                          | TCE                                     | 8/13/2008       | 3400                       |
| 54-02026    | 100                          | Freon-11                                | 6/5/2008        | 540                        |
| 54-02026    | 100                          | Freon-11                                | 4/9/2008        | 510                        |
| 54-02026    | 100                          | Freon-11                                | 8/13/2008       | 600                        |
| 54-02026    | 160                          | Carbon Tetrachloride                    | 6/5/2008        | 170                        |
| 54-02026    | 160                          | Carbon Tetrachloride                    | 8/13/2008       | 180                        |
| 54-02026    | 160                          | Chloroform                              | 6/5/2008        | 500                        |
| 54-02026    | 160                          | Chloroform                              | 8/13/2008       | 540                        |
| 54-02026    | 160                          | Cyclohexane                             | 6/5/2008        | 200                        |
| 54-02026    | 160                          | Dichlorodifluoromethane                 | 6/5/2008        | 190                        |
| 54-02026    | 160                          | Dichlorodifluoromethane                 | 8/13/2008       | 160                        |
| 54-02026    | 160                          | DCA                                     | 6/5/2008        | 98                         |
| 54-02026    | 160                          | DCA                                     | 8/13/2008       | 100                        |
| 54-02026    | 160                          | DCE                                     | 6/5/2008        | 2400                       |
| 54-02026    | 160                          | DCE                                     | 8/13/2008       | 1500                       |
| 54-02026    | 160                          | Methylene Chloride                      | 6/5/2008        | 190                        |
| 54-02026    | 160                          | Methylene Chloride                      | 8/13/2008       | 230                        |
| 54-02026    | 160                          | PCE                                     | 6/5/2008        | 630                        |
| 54-02026    | 160                          | PCE                                     | 8/13/2008       | 560                        |
| 54-02026    | 160                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/5/2008        | 6700                       |
| 54-02026    | 160                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/13/2008       | 7500                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02026    | 160                          | TCA                                     | 6/5/2008        | 14,000                     |
| 54-02026    | 160                          | TCA                                     | 8/13/2008       | 17,000                     |
| 54-02026    | 160                          | TCE                                     | 6/5/2008        | 4300                       |
| 54-02026    | 160                          | TCE                                     | 8/13/2008       | 4600                       |
| 54-02026    | 160                          | Freon-11                                | 6/5/2008        | 810                        |
| 54-02026    | 160                          | Freon-11                                | 8/13/2008       | 860                        |
| 54-02026    | 215                          | Chloroform                              | 4/9/2008        | 200                        |
| 54-02026    | 215                          | Dichlorodifluoromethane                 | 4/9/2008        | 120                        |
| 54-02026    | 215                          | DCE                                     | 4/9/2008        | 810                        |
| 54-02026    | 215                          | Methylene Chloride                      | 4/9/2008        | 130                        |
| 54-02026    | 215                          | PCE                                     | 4/9/2008        | 240                        |
| 54-02026    | 215                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/9/2008        | 4200                       |
| 54-02026    | 215                          | TCA                                     | 4/9/2008        | 8400                       |
| 54-02026    | 215                          | TCE                                     | 4/9/2008        | 2100                       |
| 54-02026    | 215                          | Freon-11                                | 4/9/2008        | 450                        |
| 54-02027    | 20                           | Carbon Tetrachloride                    | 6/4/2008        | 76                         |
| 54-02027    | 20                           | Chloroform                              | 4/3/2008        | 970                        |
| 54-02027    | 20                           | Chloroform                              | 6/4/2008        | 960                        |
| 54-02027    | 20                           | Chloroform                              | 8/14/2008       | 1100                       |
| 54-02027    | 20                           | Cyclohexane                             | 6/4/2008        | 280                        |
| 54-02027    | 20                           | Dichlorodifluoromethane                 | 6/4/2008        | 120                        |
| 54-02027    | 20                           | Dichlorodifluoromethane                 | 8/14/2008       | 120                        |
| 54-02027    | 20                           | DCA                                     | 6/4/2008        | 210                        |
| 54-02027    | 20                           | DCA                                     | 8/14/2008       | 250                        |
| 54-02027    | 20                           | DCE                                     | 4/3/2008        | 1300                       |
| 54-02027    | 20                           | DCE                                     | 6/4/2008        | 4000                       |
| 54-02027    | 20                           | DCE                                     | 8/14/2008       | 1300                       |
| 54-02027    | 20                           | Dichloropropane[1,2-]                   | 6/4/2008        | 340                        |
| 54-02027    | 20                           | Dichloropropane[1,2-]                   | 8/14/2008       | 410                        |
| 54-02027    | 20                           | Methylene Chloride                      | 6/4/2008        | 31                         |
| 54-02027    | 20                           | PCE                                     | 4/3/2008        | 790                        |
| 54-02027    | 20                           | PCE                                     | 6/4/2008        | 940                        |
| 54-02027    | 20                           | PCE                                     | 8/14/2008       | 960                        |
| 54-02027    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/3/2008        | 8500                       |
| 54-02027    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/4/2008        | 6400                       |
| 54-02027    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/14/2008       | 7800                       |
| 54-02027    | 20                           | TCA                                     | 6/4/2008        | 22,000                     |



Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02027    | 20                           | TCA                                     | 4/3/2008        | 28,000                     |
| 54-02027    | 20                           | TCA                                     | 8/14/2008       | 29,000                     |
| 54-02027    | 20                           | TCE                                     | 6/4/2008        | 5600                       |
| 54-02027    | 20                           | TCE                                     | 4/3/2008        | 5800                       |
| 54-02027    | 20                           | TCE                                     | 8/14/2008       | 6600                       |
| 54-02027    | 20                           | Freon-11                                | 4/3/2008        | 1100                       |
| 54-02027    | 20                           | Freon-11                                | 6/4/2008        | 880                        |
| 54-02027    | 20                           | Freon-11                                | 8/14/2008       | 1100                       |
| 54-02027    | 100                          | Benzene                                 | 6/4/2008        | 110                        |
| 54-02027    | 100                          | Carbon Tetrachloride                    | 6/4/2008        | 410                        |
| 54-02027    | 100                          | Chloroform                              | 4/3/2008        | 2700                       |
| 54-02027    | 100                          | Chloroform                              | 6/4/2008        | 2800                       |
| 54-02027    | 100                          | Chloroform                              | 8/14/2008       | 2600                       |
| 54-02027    | 100                          | Cyclohexane                             | 6/4/2008        | 960                        |
| 54-02027    | 100                          | Dichlorodifluoromethane                 | 6/4/2008        | 360                        |
| 54-02027    | 100                          | Dichlorodifluoromethane                 | 8/14/2008       | 320                        |
| 54-02027    | 100                          | DCA                                     | 6/4/2008        | 610                        |
| 54-02027    | 100                          | DCA                                     | 8/14/2008       | 560                        |
| 54-02027    | 100                          | Dichloroethane[1,2-]                    | 6/4/2008        | 220                        |
| 54-02027    | 100                          | DCE                                     | 6/4/2008        | 7600                       |
| 54-02027    | 100                          | DCE                                     | 4/3/2008        | 3600                       |
| 54-02027    | 100                          | DCE                                     | 8/14/2008       | 3900                       |
| 54-02027    | 100                          | Dichloropropane[1,2-]                   | 6/4/2008        | 1100                       |
| 54-02027    | 100                          | Dichloropropane[1,2-]                   | 8/14/2008       | 970                        |
| 54-02027    | 100                          | Methylene Chloride                      | 6/4/2008        | 800                        |
| 54-02027    | 100                          | Methylene Chloride                      | 4/3/2008        | 950                        |
| 54-02027    | 100                          | Methylene Chloride                      | 8/14/2008       | 860                        |
| 54-02027    | 100                          | PCE                                     | 6/4/2008        | 2900                       |
| 54-02027    | 100                          | PCE                                     | 4/3/2008        | 2000                       |
| 54-02027    | 100                          | PCE                                     | 8/14/2008       | 2000                       |
| 54-02027    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/4/2008        | 21,000                     |
| 54-02027    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/3/2008        | 23,000                     |
| 54-02027    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/14/2008       | 21,000                     |
| 54-02027    | 100                          | TCA                                     | 6/4/2008        | 73,000                     |
| 54-02027    | 100                          | TCA                                     | 4/3/2008        | 74,000                     |
| 54-02027    | 100                          | TCA                                     | 8/14/2008       | 65,000                     |
| 54-02027    | 100                          | TCE                                     | 6/4/2008        | 17,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02027    | 100                          | TCE                                     | 4/3/2008        | 16,000                     |
| 54-02027    | 100                          | TCE                                     | 8/14/2008       | 16,000                     |
| 54-02027    | 100                          | Freon-11                                | 6/4/2008        | 2600                       |
| 54-02027    | 100                          | Freon-11                                | 4/3/2008        | 2600                       |
| 54-02027    | 100                          | Freon-11                                | 8/14/2008       | 2700                       |
| 54-02027    | 200                          | Benzene                                 | 6/4/2008        | 300                        |
| 54-02027    | 200                          | Benzene                                 | 8/14/2008       | 280                        |
| 54-02027    | 200                          | Carbon Tetrachloride                    | 6/4/2008        | 810                        |
| 54-02027    | 200                          | Carbon Tetrachloride                    | 8/14/2008       | 690                        |
| 54-02027    | 200                          | Chloroform                              | 6/4/2008        | 2600                       |
| 54-02027    | 200                          | Chloroform                              | 8/14/2008       | 2600                       |
| 54-02027    | 200                          | Cyclohexane                             | 6/4/2008        | 950                        |
| 54-02027    | 200                          | Dichlorodifluoromethane                 | 6/4/2008        | 630                        |
| 54-02027    | 200                          | Dichlorodifluoromethane                 | 8/14/2008       | 520                        |
| 54-02027    | 200                          | DCA                                     | 6/4/2008        | 490                        |
| 54-02027    | 200                          | DCA                                     | 8/14/2008       | 460                        |
| 54-02027    | 200                          | Dichloroethane[1,2-]                    | 6/4/2008        | 120                        |
| 54-02027    | 200                          | DCE                                     | 6/4/2008        | 10,000                     |
| 54-02027    | 200                          | DCE                                     | 8/14/2008       | 6700                       |
| 54-02027    | 200                          | Dichloropropane[1,2-]                   | 6/4/2008        | 400                        |
| 54-02027    | 200                          | Dichloropropane[1,2-]                   | 8/14/2008       | 400                        |
| 54-02027    | 200                          | Methylene Chloride                      | 6/4/2008        | 3000                       |
| 54-02027    | 200                          | Methylene Chloride                      | 8/14/2008       | 3400                       |
| 54-02027    | 200                          | PCE                                     | 6/4/2008        | 2900                       |
| 54-02027    | 200                          | PCE                                     | 8/14/2008       | 2400                       |
| 54-02027    | 200                          | Toluene                                 | 6/4/2008        | 790                        |
| 54-02027    | 200                          | Toluene                                 | 8/14/2008       | 700                        |
| 54-02027    | 200                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/4/2008        | 27,000                     |
| 54-02027    | 200                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/14/2008       | 29,000                     |
| 54-02027    | 200                          | TCA                                     | 6/4/2008        | 69,000                     |
| 54-02027    | 200                          | TCA                                     | 8/14/2008       | 64,000                     |
| 54-02027    | 200                          | TCE                                     | 6/4/2008        | 19,000                     |
| 54-02027    | 200                          | TCE                                     | 8/14/2008       | 18,000                     |
| 54-02027    | 200                          | Freon-11                                | 6/4/2008        | 3000                       |
| 54-02027    | 200                          | Freon-11                                | 8/14/2008       | 3300                       |
| 54-02027    | 250                          | Chloroform                              | 4/3/2008        | 1400                       |
| 54-02027    | 250                          | DCE                                     | 4/3/2008        | 6100                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02027    | 250                          | Methylene Chloride                      | 4/3/2008        | 1500                       |
| 54-02027    | 250                          | PCE                                     | 4/3/2008        | 1500                       |
| 54-02027    | 250                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/3/2008        | 25,000                     |
| 54-02027    | 250                          | TCA                                     | 4/3/2008        | 46,000                     |
| 54-02027    | 250                          | TCE                                     | 4/3/2008        | 12,000                     |
| 54-02027    | 250                          | Freon-11                                | 4/3/2008        | 2500                       |
| 54-02028    | 20                           | Carbon Tetrachloride                    | 6/5/2008        | 160                        |
| 54-02028    | 20                           | Carbon Tetrachloride                    | 8/14/2008       | 44                         |
| 54-02028    | 20                           | Chloroform                              | 6/5/2008        | 220                        |
| 54-02028    | 20                           | Chloroform                              | 4/8/2008        | 330                        |
| 54-02028    | 20                           | Chloroform                              | 8/14/2008       | 260                        |
| 54-02028    | 20                           | Cyclohexane                             | 6/5/2008        | 130                        |
| 54-02028    | 20                           | Dichlorodifluoromethane                 | 6/5/2008        | 200                        |
| 54-02028    | 20                           | Dichlorodifluoromethane                 | 8/14/2008       | 34                         |
| 54-02028    | 20                           | DCA                                     | 6/5/2008        | 56                         |
| 54-02028    | 20                           | DCA                                     | 8/14/2008       | 77                         |
| 54-02028    | 20                           | DCE                                     | 6/5/2008        | 2000                       |
| 54-02028    | 20                           | DCE                                     | 4/8/2008        | 450                        |
| 54-02028    | 20                           | DCE                                     | 8/14/2008       | 350                        |
| 54-02028    | 20                           | Dichloropropane[1,2-]                   | 8/14/2008       | 87                         |
| 54-02028    | 20                           | Methylene Chloride                      | 6/5/2008        | 120                        |
| 54-02028    | 20                           | PCE                                     | 4/8/2008        | 320                        |
| 54-02028    | 20                           | PCE                                     | 6/5/2008        | 350                        |
| 54-02028    | 20                           | PCE                                     | 8/14/2008       | 290                        |
| 54-02028    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/5/2008        | 5500                       |
| 54-02028    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/8/2008        | 3100                       |
| 54-02028    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/14/2008       | 2200                       |
| 54-02028    | 20                           | TCA                                     | 4/8/2008        | 12,000                     |
| 54-02028    | 20                           | TCA                                     | 6/5/2008        | 9300                       |
| 54-02028    | 20                           | TCA                                     | 8/14/2008       | 8800                       |
| 54-02028    | 20                           | TCE                                     | 4/8/2008        | 2800                       |
| 54-02028    | 20                           | TCE                                     | 6/5/2008        | 3000                       |
| 54-02028    | 20                           | TCE                                     | 8/14/2008       | 2300                       |
| 54-02028    | 20                           | Freon-11                                | 6/5/2008        | 700                        |
| 54-02028    | 20                           | Freon-11                                | 4/8/2008        | 390                        |
| 54-02028    | 20                           | Freon-11                                | 8/14/2008       | 300                        |
| 54-02028    | 100                          | Carbon Tetrachloride                    | 6/5/2008        | 99                         |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02028    | 100                          | Carbon Tetrachloride                    | 8/14/2008       | 95                         |
| 54-02028    | 100                          | Chloroform                              | 4/8/2008        | 500                        |
| 54-02028    | 100                          | Chloroform                              | 6/5/2008        | 480                        |
| 54-02028    | 100                          | Chloroform                              | 8/14/2008       | 480                        |
| 54-02028    | 100                          | Cyclohexane                             | 6/5/2008        | 190                        |
| 54-02028    | 100                          | Dichlorodifluoromethane                 | 6/5/2008        | 110                        |
| 54-02028    | 100                          | Dichlorodifluoromethane                 | 8/14/2008       | 89                         |
| 54-02028    | 100                          | DCA                                     | 6/5/2008        | 130                        |
| 54-02028    | 100                          | DCA                                     | 8/14/2008       | 120                        |
| 54-02028    | 100                          | DCE                                     | 4/8/2008        | 870                        |
| 54-02028    | 100                          | DCE                                     | 6/5/2008        | 2100                       |
| 54-02028    | 100                          | DCE                                     | 8/14/2008       | 940                        |
| 54-02028    | 100                          | Dichloropropane[1,2-]                   | 6/5/2008        | 96                         |
| 54-02028    | 100                          | Dichloropropane[1,2-]                   | 8/14/2008       | 100                        |
| 54-02028    | 100                          | Methylene Chloride                      | 6/5/2008        | 95                         |
| 54-02028    | 100                          | Methylene Chloride                      | 8/14/2008       | 110                        |
| 54-02028    | 100                          | PCE                                     | 6/5/2008        | 500                        |
| 54-02028    | 100                          | PCE                                     | 8/14/2008       | 430                        |
| 54-02028    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/8/2008        | 5300                       |
| 54-02028    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/5/2008        | 4500                       |
| 54-02028    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/14/2008       | 4800                       |
| 54-02028    | 100                          | TCA                                     | 4/8/2008        | 16,000                     |
| 54-02028    | 100                          | TCA                                     | 6/5/2008        | 14,000                     |
| 54-02028    | 100                          | TCA                                     | 8/14/2008       | 15,000                     |
| 54-02028    | 100                          | TCE                                     | 6/5/2008        | 4000                       |
| 54-02028    | 100                          | TCE                                     | 4/8/2008        | 4200                       |
| 54-02028    | 100                          | TCE                                     | 8/14/2008       | 4300                       |
| 54-02028    | 100                          | Freon-11                                | 4/8/2008        | 610                        |
| 54-02028    | 100                          | Freon-11                                | 6/5/2008        | 620                        |
| 54-02028    | 100                          | Freon-11                                | 8/14/2008       | 670                        |
| 54-02028    | 160                          | Carbon Tetrachloride                    | 6/5/2008        | 120                        |
| 54-02028    | 160                          | Carbon Tetrachloride                    | 8/14/2008       | 140                        |
| 54-02028    | 160                          | Chloroform                              | 6/5/2008        | 340                        |
| 54-02028    | 160                          | Chloroform                              | 8/14/2008       | 410                        |
| 54-02028    | 160                          | Cyclohexane                             | 6/5/2008        | 140                        |
| 54-02028    | 160                          | Dichlorodifluoromethane                 | 6/5/2008        | 130                        |
| 54-02028    | 160                          | Dichlorodifluoromethane                 | 8/14/2008       | 140                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02028    | 160                          | DCA                                     | 6/5/2008        | 86                         |
| 54-02028    | 160                          | DCA                                     | 8/14/2008       | 96                         |
| 54-02028    | 160                          | DCE                                     | 6/5/2008        | 2200                       |
| 54-02028    | 160                          | DCE                                     | 8/14/2008       | 1200                       |
| 54-02028    | 160                          | Dichloropropane[1,2-]                   | 8/14/2008       | 36                         |
| 54-02028    | 160                          | Methylene Chloride                      | 6/5/2008        | 180                        |
| 54-02028    | 160                          | Methylene Chloride                      | 8/14/2008       | 210                        |
| 54-02028    | 160                          | PCE                                     | 6/5/2008        | 390                        |
| 54-02028    | 160                          | PCE                                     | 8/14/2008       | 410                        |
| 54-02028    | 160                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/5/2008        | 4600                       |
| 54-02028    | 160                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/14/2008       | 5600                       |
| 54-02028    | 160                          | TCA                                     | 6/5/2008        | 10,000                     |
| 54-02028    | 160                          | TCA                                     | 8/14/2008       | 14,000                     |
| 54-02028    | 160                          | TCE                                     | 6/5/2008        | 3400                       |
| 54-02028    | 160                          | TCE                                     | 8/14/2008       | 4200                       |
| 54-02028    | 160                          | Freon-11                                | 6/5/2008        | 600                        |
| 54-02028    | 160                          | Freon-11                                | 8/14/2008       | 720                        |
| 54-02028    | 250                          | Chloroform                              | 4/8/2008        | 230                        |
| 54-02028    | 250                          | DCE                                     | 4/8/2008        | 1500                       |
| 54-02028    | 250                          | Methylene Chloride                      | 4/8/2008        | 170                        |
| 54-02028    | 250                          | PCE                                     | 4/8/2008        | 320                        |
| 54-02028    | 250                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/8/2008        | 7000                       |
| 54-02028    | 250                          | TCA                                     | 4/8/2008        | 12000                      |
| 54-02028    | 250                          | TCE                                     | 4/8/2008        | 3300                       |
| 54-02028    | 250                          | Freon-11                                | 4/8/2008        | 730                        |
| 54-02031    | 20                           | Carbon Tetrachloride                    | 8/27/2008       | 150                        |
| 54-02031    | 20                           | Chloroform                              | 5/29/2008       | 540                        |
| 54-02031    | 20                           | Cyclohexane                             | 5/29/2008       | 880                        |
| 54-02031    | 20                           | Dichlorodifluoromethane                 | 5/29/2008       | 250                        |
| 54-02031    | 20                           | Dichlorodifluoromethane                 | 8/27/2008       | 220                        |
| 54-02031    | 20                           | DCA                                     | 3/27/2008       | 1300                       |
| 54-02031    | 20                           | DCA                                     | 5/29/2008       | 900                        |
| 54-02031    | 20                           | DCA                                     | 8/27/2008       | 1100                       |
| 54-02031    | 20                           | Dichloroethane[1,2-]                    | 5/29/2008       | 200                        |
| 54-02031    | 20                           | Dichloroethane[1,2-]                    | 8/27/2008       | 230                        |
| 54-02031    | 20                           | DCE                                     | 5/29/2008       | 7200                       |
| 54-02031    | 20                           | DCE                                     | 3/27/2008       | 3000                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02031    | 20                           | DCE                                     | 8/27/2008       | 2200                       |
| 54-02031    | 20                           | Dichloropropane[1,2-]                   | 8/27/2008       | 120                        |
| 54-02031    | 20                           | PCE                                     | 5/29/2008       | 2400                       |
| 54-02031    | 20                           | PCE                                     | 3/27/2008       | 3300                       |
| 54-02031    | 20                           | PCE                                     | 8/27/2008       | 3700                       |
| 54-02031    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/29/2008       | 4000                       |
| 54-02031    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/27/2008       | 5500                       |
| 54-02031    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/27/2008       | 4200                       |
| 54-02031    | 20                           | TCA                                     | 5/29/2008       | 54,000                     |
| 54-02031    | 20                           | TCA                                     | 3/27/2008       | 69,000                     |
| 54-02031    | 20                           | TCA                                     | 8/27/2008       | 52,000                     |
| 54-02031    | 20                           | TCE                                     | 5/29/2008       | 12,000                     |
| 54-02031    | 20                           | TCE                                     | 3/27/2008       | 14,000                     |
| 54-02031    | 20                           | TCE                                     | 8/27/2008       | 16,000                     |
| 54-02031    | 20                           | Freon-11                                | 5/29/2008       | 550                        |
| 54-02031    | 20                           | Freon-11                                | 8/27/2008       | 500                        |
| 54-02031    | 100                          | Carbon Tetrachloride                    | 8/27/2008       | 530                        |
| 54-02031    | 100                          | Chloroform                              | 5/29/2008       | 1300                       |
| 54-02031    | 100                          | Cyclohexane                             | 5/29/2008       | 2400                       |
| 54-02031    | 100                          | Dichlorodifluoromethane                 | 5/29/2008       | 740                        |
| 54-02031    | 100                          | Dichlorodifluoromethane                 | 8/27/2008       | 670                        |
| 54-02031    | 100                          | DCA                                     | 3/27/2008       | 3000                       |
| 54-02031    | 100                          | DCA                                     | 5/29/2008       | 2300                       |
| 54-02031    | 100                          | DCA                                     | 8/27/2008       | 2800                       |
| 54-02031    | 100                          | Dichloroethane[1,2-]                    | 5/29/2008       | 1300                       |
| 54-02031    | 100                          | Dichloroethane[1,2-]                    | 8/27/2008       | 1300                       |
| 54-02031    | 100                          | DCE                                     | 5/29/2008       | 21,000                     |
| 54-02031    | 100                          | DCE                                     | 3/27/2008       | 7200                       |
| 54-02031    | 100                          | DCE                                     | 8/27/2008       | 5900                       |
| 54-02031    | 100                          | Dichloropropane[1,2-]                   | 8/27/2008       | 390                        |
| 54-02031    | 100                          | Methylene Chloride                      | 5/29/2008       | 1000                       |
| 54-02031    | 100                          | Methylene Chloride                      | 8/27/2008       | 960                        |
| 54-02031    | 100                          | PCE                                     | 5/29/2008       | 6500                       |
| 54-02031    | 100                          | PCE                                     | 3/27/2008       | 8400                       |
| 54-02031    | 100                          | PCE                                     | 8/27/2008       | 9400                       |
| 54-02031    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/29/2008       | 14000                      |
| 54-02031    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/27/2008       | 16000                      |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02031    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/27/2008       | 14000                      |
| 54-02031    | 100                          | TCA                                     | 5/29/2008       | 140,000                    |
| 54-02031    | 100                          | TCA                                     | 3/27/2008       | 160,000                    |
| 54-02031    | 100                          | TCA                                     | 8/27/2008       | 120,000                    |
| 54-02031    | 100                          | TCE                                     | 5/29/2008       | 34,000                     |
| 54-02031    | 100                          | TCE                                     | 3/27/2008       | 36,000                     |
| 54-02031    | 100                          | TCE                                     | 8/27/2008       | 40,000                     |
| 54-02031    | 100                          | Freon-11                                | 5/29/2008       | 1700                       |
| 54-02031    | 100                          | Freon-11                                | 8/27/2008       | 1500                       |
| 54-02031    | 160                          | Carbon Tetrachloride                    | 8/27/2008       | 660                        |
| 54-02031    | 160                          | Chloroform                              | 5/29/2008       | 1100                       |
| 54-02031    | 160                          | Cyclohexane                             | 5/29/2008       | 2000                       |
| 54-02031    | 160                          | Dichlorodifluoromethane                 | 5/29/2008       | 770                        |
| 54-02031    | 160                          | Dichlorodifluoromethane                 | 8/27/2008       | 880                        |
| 54-02031    | 160                          | DCA                                     | 5/29/2008       | 1700                       |
| 54-02031    | 160                          | DCA                                     | 8/27/2008       | 2400                       |
| 54-02031    | 160                          | Dichloroethane[1,2-]                    | 5/29/2008       | 800                        |
| 54-02031    | 160                          | Dichloroethane[1,2-]                    | 8/27/2008       | 860                        |
| 54-02031    | 160                          | DCE                                     | 5/29/2008       | 18,000                     |
| 54-02031    | 160                          | DCE                                     | 8/27/2008       | 7000                       |
| 54-02031    | 160                          | Dichloropropane[1,2-]                   | 8/27/2008       | 300                        |
| 54-02031    | 160                          | Methylene Chloride                      | 5/29/2008       | 1200                       |
| 54-02031    | 160                          | Methylene Chloride                      | 8/27/2008       | 1400                       |
| 54-02031    | 160                          | PCE                                     | 5/29/2008       | 5400                       |
| 54-02031    | 160                          | PCE                                     | 8/27/2008       | 9600                       |
| 54-02031    | 160                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/29/2008       | 14000                      |
| 54-02031    | 160                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/27/2008       | 18,000                     |
| 54-02031    | 160                          | TCA                                     | 5/29/2008       | 110,000                    |
| 54-02031    | 160                          | TCA                                     | 8/27/2008       | 120,000                    |
| 54-02031    | 160                          | TCE                                     | 5/29/2008       | 30,000                     |
| 54-02031    | 160                          | TCE                                     | 8/27/2008       | 41,000                     |
| 54-02031    | 160                          | Freon-11                                | 5/29/2008       | 1800                       |
| 54-02031    | 160                          | Freon-11                                | 8/27/2008       | 1900                       |
| 54-02031    | 260                          | Carbon Disulfide                        | 5/29/2008       | 110                        |
| 54-02031    | 260                          | Carbon Tetrachloride                    | 5/29/2008       | 160                        |
| 54-02031    | 260                          | Carbon Tetrachloride                    | 8/27/2008       | 540                        |
| 54-02031    | 260                          | Chloroform                              | 5/29/2008       | 210                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02031    | 260                          | Cyclohexane                             | 5/29/2008       | 430                        |
| 54-02031    | 260                          | Dichlorodifluoromethane                 | 5/29/2008       | 260                        |
| 54-02031    | 260                          | Dichlorodifluoromethane                 | 8/27/2008       | 780                        |
| 54-02031    | 260                          | DCA                                     | 5/29/2008       | 290                        |
| 54-02031    | 260                          | DCA                                     | 8/27/2008       | 1100                       |
| 54-02031    | 260                          | Dichloroethane[1,2-]                    | 8/27/2008       | 190                        |
| 54-02031    | 260                          | DCE                                     | 5/29/2008       | 3800                       |
| 54-02031    | 260                          | DCE                                     | 3/27/2008       | 8000                       |
| 54-02031    | 260                          | DCE                                     | 8/27/2008       | 6200                       |
| 54-02031    | 260                          | Methylene Chloride                      | 5/29/2008       | 260                        |
| 54-02031    | 260                          | Methylene Chloride                      | 3/27/2008       | 1300                       |
| 54-02031    | 260                          | Methylene Chloride                      | 8/27/2008       | 780                        |
| 54-02031    | 260                          | PCE                                     | 3/27/2008       | 5600                       |
| 54-02031    | 260                          | PCE                                     | 5/29/2008       | 1300                       |
| 54-02031    | 260                          | PCE                                     | 8/27/2008       | 5900                       |
| 54-02031    | 260                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/27/2008       | 20,000                     |
| 54-02031    | 260                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/29/2008       | 4800                       |
| 54-02031    | 260                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/27/2008       | 15,000                     |
| 54-02031    | 260                          | TCA                                     | 3/27/2008       | 93,000                     |
| 54-02031    | 260                          | TCA                                     | 5/29/2008       | 24,000                     |
| 54-02031    | 260                          | TCA                                     | 8/27/2008       | 68,000                     |
| 54-02031    | 260                          | TCE                                     | 5/29/2008       | 6600                       |
| 54-02031    | 260                          | TCE                                     | 3/27/2008       | 24,000                     |
| 54-02031    | 260                          | TCE                                     | 8/27/2008       | 25,000                     |
| 54-02031    | 260                          | Freon-11                                | 3/27/2008       | 2200                       |
| 54-02031    | 260                          | Freon-11                                | 5/29/2008       | 560                        |
| 54-02031    | 260                          | Freon-11                                | 8/27/2008       | 1700                       |
| 54-02034    | 20                           | Chloroform                              | 3/26/2008       | 99                         |
| 54-02034    | 20                           | Chloroform                              | 5/27/2008       | 83                         |
| 54-02034    | 20                           | Chloroform                              | 8/29/2008       | 90                         |
| 54-02034    | 20                           | Cyclohexane                             | 5/27/2008       | 380                        |
| 54-02034    | 20                           | Cyclohexane                             | 3/26/2008       | 800                        |
| 54-02034    | 20                           | Dichlorodifluoromethane                 | 3/26/2008       | 150                        |
| 54-02034    | 20                           | Dichlorodifluoromethane                 | 5/27/2008       | 120                        |
| 54-02034    | 20                           | Dichlorodifluoromethane                 | 8/29/2008       | 86                         |
| 54-02034    | 20                           | DCA                                     | 3/26/2008       | 300                        |
| 54-02034    | 20                           | DCA                                     | 5/27/2008       | 240                        |



Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02034    | 20                           | DCA                                     | 8/29/2008       | 240                        |
| 54-02034    | 20                           | DCE                                     | 3/26/2008       | 580                        |
| 54-02034    | 20                           | DCE                                     | 5/27/2008       | 2200                       |
| 54-02034    | 20                           | DCE                                     | 8/29/2008       | 430                        |
| 54-02034    | 20                           | PCE                                     | 3/26/2008       | 480                        |
| 54-02034    | 20                           | PCE                                     | 5/27/2008       | 340                        |
| 54-02034    | 20                           | PCE                                     | 8/29/2008       | 420                        |
| 54-02034    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/26/2008       | 510                        |
| 54-02034    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/27/2008       | 440                        |
| 54-02034    | 20                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/29/2008       | 360                        |
| 54-02034    | 20                           | TCA                                     | 5/27/2008       | 24,000                     |
| 54-02034    | 20                           | TCA                                     | 3/26/2008       | 33,000                     |
| 54-02034    | 20                           | TCA                                     | 8/29/2008       | 20,000                     |
| 54-02034    | 20                           | TCE                                     | 5/27/2008       | 3500                       |
| 54-02034    | 20                           | TCE                                     | 3/26/2008       | 4600                       |
| 54-02034    | 20                           | TCE                                     | 8/29/2008       | 3800                       |
| 54-02034    | 20                           | Freon-11                                | 5/27/2008       | 130                        |
| 54-02034    | 60                           | Chloroform                              | 5/27/2008       | 100                        |
| 54-02034    | 60                           | Chloroform                              | 8/29/2008       | 150                        |
| 54-02034    | 60                           | Cyclohexane                             | 5/27/2008       | 510                        |
| 54-02034    | 60                           | Dichlorodifluoromethane                 | 5/27/2008       | 160                        |
| 54-02034    | 60                           | Dichlorodifluoromethane                 | 8/29/2008       | 170                        |
| 54-02034    | 60                           | DCA                                     | 5/27/2008       | 410                        |
| 54-02034    | 60                           | DCA                                     | 8/29/2008       | 590                        |
| 54-02034    | 60                           | Dichloroethane[1,2-]                    | 5/27/2008       | 140                        |
| 54-02034    | 60                           | Dichloroethane[1,2-]                    | 8/29/2008       | 190                        |
| 54-02034    | 60                           | DCE                                     | 5/27/2008       | 3000                       |
| 54-02034    | 60                           | DCE                                     | 8/29/2008       | 970                        |
| 54-02034    | 60                           | Methylene Chloride                      | 5/27/2008       | 93                         |
| 54-02034    | 60                           | Methylene Chloride                      | 8/29/2008       | 75                         |
| 54-02034    | 60                           | PCE                                     | 5/27/2008       | 420                        |
| 54-02034    | 60                           | PCE                                     | 8/29/2008       | 770                        |
| 54-02034    | 60                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/27/2008       | 600                        |
| 54-02034    | 60                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/29/2008       | 740                        |
| 54-02034    | 60                           | TCA                                     | 5/27/2008       | 32,000                     |
| 54-02034    | 60                           | TCA                                     | 8/29/2008       | 35,000                     |
| 54-02034    | 60                           | TCE                                     | 5/27/2008       | 5100                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02034    | 60                           | TCE                                     | 8/29/2008       | 8100                       |
| 54-02034    | 60                           | Freon-11                                | 5/27/2008       | 180                        |
| 54-02034    | 100                          | Chloroform                              | 3/26/2008       | 170                        |
| 54-02034    | 100                          | Cyclohexane                             | 3/26/2008       | 1400                       |
| 54-02034    | 100                          | Dichlorodifluoromethane                 | 3/26/2008       | 270                        |
| 54-02034    | 100                          | DCA                                     | 3/26/2008       | 700                        |
| 54-02034    | 100                          | Dichloroethane[1,2-]                    | 3/26/2008       | 230                        |
| 54-02034    | 100                          | DCE                                     | 3/26/2008       | 1300                       |
| 54-02034    | 100                          | Ethanol                                 | 3/26/2008       | 180                        |
| 54-02034    | 100                          | Methylene Chloride                      | 3/26/2008       | 140                        |
| 54-02034    | 100                          | PCE                                     | 3/26/2008       | 770                        |
| 54-02034    | 100                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/26/2008       | 960                        |
| 54-02034    | 100                          | TCA                                     | 3/26/2008       | 56,000                     |
| 54-02034    | 100                          | TCE                                     | 3/26/2008       | 9800                       |
| 54-02034    | 100                          | Freon-11                                | 3/26/2008       | 290                        |
| 54-02034    | 160                          | Cyclohexane                             | 5/27/2008       | 380                        |
| 54-02034    | 160                          | Dichlorodifluoromethane                 | 5/27/2008       | 240                        |
| 54-02034    | 160                          | Dichlorodifluoromethane                 | 8/29/2008       | 280                        |
| 54-02034    | 160                          | DCA                                     | 5/27/2008       | 240                        |
| 54-02034    | 160                          | DCA                                     | 8/29/2008       | 340                        |
| 54-02034    | 160                          | DCE                                     | 5/27/2008       | 2600                       |
| 54-02034    | 160                          | DCE                                     | 8/29/2008       | 1400                       |
| 54-02034    | 160                          | Methylene Chloride                      | 5/27/2008       | 130                        |
| 54-02034    | 160                          | Methylene Chloride                      | 8/29/2008       | 130                        |
| 54-02034    | 160                          | PCE                                     | 5/27/2008       | 260                        |
| 54-02034    | 160                          | PCE                                     | 8/29/2008       | 480                        |
| 54-02034    | 160                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/27/2008       | 830                        |
| 54-02034    | 160                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/29/2008       | 1100                       |
| 54-02034    | 160                          | TCA                                     | 5/27/2008       | 21,000                     |
| 54-02034    | 160                          | TCA                                     | 8/29/2008       | 24,000                     |
| 54-02034    | 160                          | TCE                                     | 5/27/2008       | 3800                       |
| 54-02034    | 160                          | TCE                                     | 8/29/2008       | 6100                       |
| 54-02034    | 160                          | Freon-11                                | 5/27/2008       | 300                        |
| 54-02034    | 220                          | Acetone                                 | 3/26/2008       | 130                        |
| 54-02034    | 220                          | Carbon Tetrachloride                    | 3/26/2008       | 55 (J)                     |
| 54-02034    | 220                          | Cyclohexane                             | 3/26/2008       | 450                        |
| 54-02034    | 220                          | Dichlorodifluoromethane                 | 3/26/2008       | 300                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02034    | 220                          | DCA                                     | 3/26/2008       | 120                        |
| 54-02034    | 220                          | DCE                                     | 3/26/2008       | 1200                       |
| 54-02034    | 220                          | Methylene Chloride                      | 3/26/2008       | 72                         |
| 54-02034    | 220                          | PCE                                     | 3/26/2008       | 200                        |
| 54-02034    | 220                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/26/2008       | 960                        |
| 54-02034    | 220                          | TCA                                     | 3/26/2008       | 16,000                     |
| 54-02034    | 220                          | TCE                                     | 3/26/2008       | 2400                       |
| 54-02034    | 220                          | Freon-11                                | 3/26/2008       | 400                        |
| 54-02034    | 260                          | Acetone                                 | 5/27/2008       | 24                         |
| 54-02034    | 260                          | Benzene                                 | 5/27/2008       | 5.2                        |
| 54-02034    | 260                          | Butanone[2-]                            | 5/27/2008       | 4                          |
| 54-02034    | 260                          | Carbon Tetrachloride                    | 3/26/2008       | 32                         |
| 54-02034    | 260                          | Carbon Tetrachloride                    | 5/27/2008       | 12                         |
| 54-02034    | 260                          | Cyclohexane                             | 5/27/2008       | 31                         |
| 54-02034    | 260                          | Dichlorodifluoromethane                 | 3/26/2008       | 150                        |
| 54-02034    | 260                          | Dichlorodifluoromethane                 | 5/27/2008       | 65                         |
| 54-02034    | 260                          | Dichlorodifluoromethane                 | 8/29/2008       | 120                        |
| 54-02034    | 260                          | DCA                                     | 5/27/2008       | 4.2                        |
| 54-02034    | 260                          | DCA                                     | 3/26/2008       | 11                         |
| 54-02034    | 260                          | DCE                                     | 3/26/2008       | 430                        |
| 54-02034    | 260                          | DCE                                     | 5/27/2008       | 220                        |
| 54-02034    | 260                          | DCE                                     | 8/29/2008       | 370                        |
| 54-02034    | 260                          | Propylene                               | 5/27/2008       | 7.1                        |
| 54-02034    | 260                          | PCE                                     | 3/26/2008       | 52                         |
| 54-02034    | 260                          | PCE                                     | 5/27/2008       | 17                         |
| 54-02034    | 260                          | Toluene                                 | 5/27/2008       | 6.6                        |
| 54-02034    | 260                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/26/2008       | 380                        |
| 54-02034    | 260                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/27/2008       | 200                        |
| 54-02034    | 260                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/29/2008       | 460                        |
| 54-02034    | 260                          | TCA                                     | 5/27/2008       | 1400                       |
| 54-02034    | 260                          | TCA                                     | 3/26/2008       | 3800                       |
| 54-02034    | 260                          | TCA                                     | 8/29/2008       | 3100                       |
| 54-02034    | 260                          | TCE                                     | 5/27/2008       | 69                         |
| 54-02034    | 260                          | TCE                                     | 3/26/2008       | 240                        |
| 54-02034    | 260                          | TCE                                     | 8/29/2008       | 230                        |
| 54-02034    | 260                          | Freon-11                                | 3/26/2008       | 280                        |
| 54-02034    | 260                          | Freon-11                                | 5/27/2008       | 120                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02034    | 300                          | Acetone                                 | 3/26/2008       | 9.8                        |
| 54-02034    | 300                          | Carbon Tetrachloride                    | 3/26/2008       | 7.2                        |
| 54-02034    | 300                          | Cyclohexane                             | 5/27/2008       | 4.3                        |
| 54-02034    | 300                          | Dichlorodifluoromethane                 | 5/27/2008       | 23                         |
| 54-02034    | 300                          | Dichlorodifluoromethane                 | 3/26/2008       | 38                         |
| 54-02034    | 300                          | DCE                                     | 3/26/2008       | 79                         |
| 54-02034    | 300                          | DCE                                     | 5/27/2008       | 47                         |
| 54-02034    | 300                          | DCE                                     | 8/29/2008       | 62                         |
| 54-02034    | 300                          | PCE                                     | 3/26/2008       | 17                         |
| 54-02034    | 300                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/26/2008       | 100                        |
| 54-02034    | 300                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/27/2008       | 62                         |
| 54-02034    | 300                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/29/2008       | 110                        |
| 54-02034    | 300                          | TCA                                     | 5/27/2008       | 180                        |
| 54-02034    | 300                          | TCA                                     | 3/26/2008       | 370                        |
| 54-02034    | 300                          | TCA                                     | 8/29/2008       | 280                        |
| 54-02034    | 300                          | TCE                                     | 5/27/2008       | 5.7                        |
| 54-02034    | 300                          | TCE                                     | 3/26/2008       | 38                         |
| 54-02034    | 300                          | Freon-11                                | 3/26/2008       | 84                         |
| 54-02034    | 300                          | Freon-11                                | 5/27/2008       | 48                         |
| 54-02089    | 13                           | Carbon Tetrachloride                    | 8/21/2008       | 3300                       |
| 54-02089    | 13                           | Chloroform                              | 8/21/2008       | 20,000                     |
| 54-02089    | 13                           | DCA                                     | 8/21/2008       | 42,000                     |
| 54-02089    | 13                           | Dichloroethane[1,2-]                    | 8/21/2008       | 200,000                    |
| 54-02089    | 13                           | DCE                                     | 8/21/2008       | 14,000                     |
| 54-02089    | 13                           | Dichloropropane[1,2-]                   | 8/21/2008       | 89,000                     |
| 54-02089    | 13                           | PCE                                     | 8/21/2008       | 37,000                     |
| 54-02089    | 13                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/21/2008       | 230,000                    |
| 54-02089    | 13                           | TCA                                     | 8/21/2008       | 820,000                    |
| 54-02089    | 13                           | TCE                                     | 8/21/2008       | 380,000                    |
| 54-02089    | 13                           | Freon-11                                | 8/21/2008       | 9900                       |
| 54-02089    | 28.5                         | Acetone                                 | 5/19/2008       | 12,000                     |
| 54-02089    | 28.5                         | Carbon Tetrachloride                    | 4/2/2008        | 5400                       |
| 54-02089    | 28.5                         | Chloroform                              | 4/2/2008        | 25,000                     |
| 54-02089    | 28.5                         | Chloroform                              | 5/19/2008       | 30,000                     |
| 54-02089    | 28.5                         | Cyclohexane                             | 4/2/2008        | 55,000                     |
| 54-02089    | 28.5                         | Cyclohexane                             | 5/19/2008       | 34,000                     |
| 54-02089    | 28.5                         | DCA                                     | 5/19/2008       | 63,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02089    | 28.5                         | DCA                                     | 4/2/2008        | 50,000                     |
| 54-02089    | 28.5                         | Dichloroethane[1,2-]                    | 4/2/2008        | 56,000                     |
| 54-02089    | 28.5                         | Dichloroethane[1,2-]                    | 5/19/2008       | 100,000                    |
| 54-02089    | 28.5                         | DCE                                     | 4/2/2008        | 27,000                     |
| 54-02089    | 28.5                         | DCE                                     | 5/19/2008       | 38,000                     |
| 54-02089    | 28.5                         | Dichloropropane[1,2-]                   | 4/2/2008        | 130,000                    |
| 54-02089    | 28.5                         | Dichloropropane[1,2-]                   | 5/19/2008       | 150,000                    |
| 54-02089    | 28.5                         | PCE                                     | 4/2/2008        | 33,000                     |
| 54-02089    | 28.5                         | PCE                                     | 5/19/2008       | 26,000                     |
| 54-02089    | 28.5                         | Toluene                                 | 5/19/2008       | 15,000                     |
| 54-02089    | 28.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/2/2008        | 430,000                    |
| 54-02089    | 28.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/19/2008       | 580,000                    |
| 54-02089    | 28.5                         | TCA                                     | 4/2/2008        | 1,600,000                  |
| 54-02089    | 28.5                         | TCA                                     | 5/19/2008       | 2,000,000                  |
| 54-02089    | 28.5                         | TCE                                     | 5/19/2008       | 600,000                    |
| 54-02089    | 28.5                         | TCE                                     | 4/2/2008        | 560,000                    |
| 54-02089    | 28.5                         | Freon-11                                | 5/19/2008       | 21,000                     |
| 54-02089    | 28.5                         | Freon-11                                | 4/2/2008        | 15,000                     |
| 54-02089    | 43.5                         | Chloroform                              | 5/19/2008       | 48,000                     |
| 54-02089    | 43.5                         | Cyclohexane                             | 5/19/2008       | 43,000                     |
| 54-02089    | 43.5                         | DCA                                     | 5/19/2008       | 80,000                     |
| 54-02089    | 43.5                         | Dichloroethane[1,2-]                    | 5/19/2008       | 61,000                     |
| 54-02089    | 43.5                         | DCE                                     | 5/19/2008       | 49,000                     |
| 54-02089    | 43.5                         | Dichloropropane[1,2-]                   | 5/19/2008       | 310,000                    |
| 54-02089    | 43.5                         | PCE                                     | 5/19/2008       | 67,000                     |
| 54-02089    | 43.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/19/2008       | 760,000                    |
| 54-02089    | 43.5                         | TCA                                     | 5/19/2008       | 3,100,000                  |
| 54-02089    | 43.5                         | TCE                                     | 5/19/2008       | 950,000                    |
| 54-02089    | 43.5                         | Freon-11                                | 5/19/2008       | 28,000                     |
| 54-02089    | 46                           | Carbon Tetrachloride                    | 8/21/2008       | 6800                       |
| 54-02089    | 46                           | Chloroform                              | 8/21/2008       | 38,000                     |
| 54-02089    | 46                           | DCA                                     | 8/21/2008       | 60,000                     |
| 54-02089    | 46                           | Dichloroethane[1,2-]                    | 8/21/2008       | 69,000                     |
| 54-02089    | 46                           | DCE                                     | 8/21/2008       | 30,000                     |
| 54-02089    | 46                           | Dichloropropane[1,2-]                   | 8/21/2008       | 270,000                    |
| 54-02089    | 46                           | PCE                                     | 8/21/2008       | 57000                      |
| 54-02089    | 46                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/21/2008       | 570,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-02089    | 46                           | TCA                                     | 8/21/2008       | 1,700,000                  |
| 54-02089    | 46                           | TCE                                     | 8/21/2008       | 640,000                    |
| 54-02089    | 46                           | Freon-11                                | 8/21/2008       | 16,000                     |
| 54-02089    | 83.5                         | Carbon Tetrachloride                    | 4/2/2008        | 7700                       |
| 54-02089    | 83.5                         | Chloroform                              | 4/2/2008        | 41,000                     |
| 54-02089    | 83.5                         | Cyclohexane                             | 4/2/2008        | 73,000                     |
| 54-02089    | 83.5                         | Dichlorodifluoromethane                 | 4/2/2008        | 3100                       |
| 54-02089    | 83.5                         | DCA                                     | 4/2/2008        | 54,000                     |
| 54-02089    | 83.5                         | Dichloroethane[1,2-]                    | 4/2/2008        | 25,000                     |
| 54-02089    | 83.5                         | DCE                                     | 4/2/2008        | 50,000                     |
| 54-02089    | 83.5                         | Dichloropropane[1,2-]                   | 4/2/2008        | 290,000                    |
| 54-02089    | 83.5                         | Methylene Chloride                      | 4/2/2008        | 3300                       |
| 54-02089    | 83.5                         | PCE                                     | 4/2/2008        | 54,000                     |
| 54-02089    | 83.5                         | Tetrahydrofuran                         | 4/2/2008        | 1800                       |
| 54-02089    | 83.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/2/2008        | 600,000                    |
| 54-02089    | 83.5                         | TCA                                     | 4/2/2008        | 2,700,000                  |
| 54-02089    | 83.5                         | TCE                                     | 4/2/2008        | 770,000                    |
| 54-02089    | 83.5                         | Freon-11                                | 4/2/2008        | 23,000                     |
| 54-24238    | 63                           | Chloroform                              | 5/16/2008       | 33,000                     |
| 54-24238    | 63                           | DCA                                     | 5/16/2008       | 43,000                     |
| 54-24238    | 63                           | Dichloroethane[1,2-]                    | 5/16/2008       | 71,000                     |
| 54-24238    | 63                           | DCE                                     | 5/16/2008       | 41,000                     |
| 54-24238    | 63                           | Dichloropropane[1,2-]                   | 5/16/2008       | 200,000                    |
| 54-24238    | 63                           | Methylene Chloride                      | 5/16/2008       | 340,000                    |
| 54-24238    | 63                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/16/2008       | 520,000                    |
| 54-24238    | 63                           | TCA                                     | 5/16/2008       | 1,500,000                  |
| 54-24238    | 63                           | TCE                                     | 5/16/2008       | 400,000                    |
| 54-24238    | 64                           | Benzene                                 | 8/20/2008       | 2600                       |
| 54-24238    | 64                           | Carbon Tetrachloride                    | 8/20/2008       | 6300                       |
| 54-24238    | 64                           | Chloroform                              | 8/20/2008       | 45,000                     |
| 54-24238    | 64                           | Dichlorodifluoromethane                 | 8/20/2008       | 3400                       |
| 54-24238    | 64                           | DCA                                     | 8/20/2008       | 49,000                     |
| 54-24238    | 64                           | Dichloroethane[1,2-]                    | 8/20/2008       | 110,000                    |
| 54-24238    | 64                           | DCE                                     | 8/20/2008       | 47,000                     |
| 54-24238    | 64                           | Dichloropropane[1,2-]                   | 8/20/2008       | 340,000                    |
| 54-24238    | 64                           | Hexane                                  | 8/20/2008       | 1800                       |
| 54-24238    | 64                           | Methylene Chloride                      | 8/20/2008       | 390,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24238    | 64                           | PCE                                     | 8/20/2008       | 71,000                     |
| 54-24238    | 64                           | Tetrahydrofuran                         | 8/20/2008       | 4000                       |
| 54-24238    | 64                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/20/2008       | 570,000                    |
| 54-24238    | 64                           | TCA                                     | 8/20/2008       | 1,700,000                  |
| 54-24238    | 64                           | TCE                                     | 8/20/2008       | 570,000                    |
| 54-24238    | 64                           | Freon-11                                | 8/20/2008       | 19,000                     |
| 54-24238    | 83                           | Benzene                                 | 4/1/2008        | 2000                       |
| 54-24238    | 83                           | Carbon Tetrachloride                    | 4/1/2008        | 6800                       |
| 54-24238    | 83                           | Chloroform                              | 12/21/2007      | 35,000                     |
| 54-24238    | 83                           | Chloroform                              | 4/1/2008        | 46,000                     |
| 54-24238    | 83                           | Cyclohexane                             | 4/1/2008        | 70,000                     |
| 54-24238    | 83                           | Dichlorodifluoromethane                 | 4/1/2008        | 3900                       |
| 54-24238    | 83                           | DCA                                     | 12/21/2007      | 35,000                     |
| 54-24238    | 83                           | DCA                                     | 4/1/2008        | 49,000                     |
| 54-24238    | 83                           | Dichloroethane[1,2-]                    | 12/21/2007      | 37,000                     |
| 54-24238    | 83                           | Dichloroethane[1,2-]                    | 4/1/2008        | 61,000                     |
| 54-24238    | 83                           | DCE                                     | 4/1/2008        | 57,000                     |
| 54-24238    | 83                           | DCE                                     | 12/21/2007      | 68,000                     |
| 54-24238    | 83                           | Dichloropropane[1,2-]                   | 12/21/2007      | 240,000                    |
| 54-24238    | 83                           | Dichloropropane[1,2-]                   | 4/1/2008        | 320,000                    |
| 54-24238    | 83                           | Methylene Chloride                      | 4/1/2008        | 200,000                    |
| 54-24238    | 83                           | PCE                                     | 12/21/2007      | 51,000                     |
| 54-24238    | 83                           | PCE                                     | 4/1/2008        | 67,000                     |
| 54-24238    | 83                           | Tetrahydrofuran                         | 4/1/2008        | 8000                       |
| 54-24238    | 83                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/1/2008        | 630,000                    |
| 54-24238    | 83                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 480,000                    |
| 54-24238    | 83                           | TCA                                     | 12/21/2007      | 2,100,000                  |
| 54-24238    | 83                           | TCA                                     | 4/1/2008        | 2,500,000                  |
| 54-24238    | 83                           | TCE                                     | 4/1/2008        | 660,000                    |
| 54-24238    | 83                           | TCE                                     | 12/21/2007      | 510,000                    |
| 54-24238    | 83                           | Freon-11                                | 12/21/2007      | 23,000                     |
| 54-24238    | 83                           | Freon-11                                | 4/1/2008        | 25,000                     |
| 54-24239    | 24                           | Butanol[1-]                             | 5/20/2008       | 12,000                     |
| 54-24239    | 24                           | Carbon Tetrachloride                    | 12/21/2007      | 4300                       |
| 54-24239    | 24                           | Carbon Tetrachloride                    | 3/27/2008       | 3300                       |
| 54-24239    | 24                           | Carbon Tetrachloride                    | 5/20/2008       | 2500                       |
| 54-24239    | 24                           | Chloroform                              | 12/21/2007      | 14,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24239    | 24                           | Chloroform                              | 3/27/2008       | 14,000                     |
| 54-24239    | 24                           | Chloroform                              | 5/20/2008       | 9200                       |
| 54-24239    | 24                           | Cyclohexane                             | 3/27/2008       | 14,000                     |
| 54-24239    | 24                           | Cyclohexane                             | 5/20/2008       | 4000                       |
| 54-24239    | 24                           | Dichlorodifluoromethane                 | 12/21/2007      | 1000                       |
| 54-24239    | 24                           | Dichlorodifluoromethane                 | 3/27/2008       | 980                        |
| 54-24239    | 24                           | DCA                                     | 12/21/2007      | 13,000                     |
| 54-24239    | 24                           | DCA                                     | 3/27/2008       | 13,000                     |
| 54-24239    | 24                           | DCA                                     | 5/20/2008       | 9800                       |
| 54-24239    | 24                           | Dichloroethane[1,2-]                    | 12/21/2007      | 5400                       |
| 54-24239    | 24                           | Dichloroethane[1,2-]                    | 3/27/2008       | 5200                       |
| 54-24239    | 24                           | Dichloroethane[1,2-]                    | 5/20/2008       | 3400                       |
| 54-24239    | 24                           | DCE                                     | 12/21/2007      | 94,000                     |
| 54-24239    | 24                           | DCE                                     | 3/27/2008       | 18,000                     |
| 54-24239    | 24                           | DCE                                     | 5/20/2008       | 14,000                     |
| 54-24239    | 24                           | Dichloropropane[1,2-]                   | 12/21/2007      | 7400                       |
| 54-24239    | 24                           | Dichloropropane[1,2-]                   | 3/27/2008       | 7000                       |
| 54-24239    | 24                           | Dichloropropane[1,2-]                   | 5/20/2008       | 5200                       |
| 54-24239    | 24                           | PCE                                     | 12/21/2007      | 520,000                    |
| 54-24239    | 24                           | PCE                                     | 3/27/2008       | 240,000                    |
| 54-24239    | 24                           | PCE                                     | 5/20/2008       | 230,000                    |
| 54-24239    | 24                           | Toluene                                 | 5/20/2008       | 1400                       |
| 54-24239    | 24                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 45,000                     |
| 54-24239    | 24                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/27/2008       | 61,000                     |
| 54-24239    | 24                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/20/2008       | 46,000                     |
| 54-24239    | 24                           | TCA                                     | 12/21/2007      | 500,000                    |
| 54-24239    | 24                           | TCA                                     | 3/27/2008       | 580,000                    |
| 54-24239    | 24                           | TCA                                     | 5/20/2008       | 400,000                    |
| 54-24239    | 24                           | TCE                                     | 12/21/2007      | 210,000                    |
| 54-24239    | 24                           | TCE                                     | 3/27/2008       | 170,000                    |
| 54-24239    | 24                           | TCE                                     | 5/20/2008       | 120,000                    |
| 54-24239    | 24                           | Freon-11                                | 12/21/2007      | 4400                       |
| 54-24239    | 24                           | Freon-11                                | 3/27/2008       | 4400                       |
| 54-24239    | 24                           | Freon-11                                | 5/20/2008       | 3500                       |
| 54-24239    | 25                           | Benzene                                 | 8/21/2008       | 430                        |
| 54-24239    | 25                           | Carbon Tetrachloride                    | 8/21/2008       | 2600                       |
| 54-24239    | 25                           | Chloroform                              | 8/21/2008       | 13,000                     |



Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24239    | 25                           | Dichlorodifluoromethane                 | 8/21/2008       | 890                        |
| 54-24239    | 25                           | DCA                                     | 8/21/2008       | 12,000                     |
| 54-24239    | 25                           | Dichloroethane[1,2-]                    | 8/21/2008       | 5000                       |
| 54-24239    | 25                           | DCE                                     | 8/21/2008       | 16,000                     |
| 54-24239    | 25                           | Dichloropropane[1,2-]                   | 8/21/2008       | 7500                       |
| 54-24239    | 25                           | PCE                                     | 8/21/2008       | 140,000                    |
| 54-24239    | 25                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/21/2008       | 48,000                     |
| 54-24239    | 25                           | TCA                                     | 8/21/2008       | 370,000                    |
| 54-24239    | 25                           | TCE                                     | 8/21/2008       | 130,000                    |
| 54-24239    | 25                           | Freon-11                                | 8/21/2008       | 3600                       |
| 54-24239    | 74                           | Carbon Tetrachloride                    | 5/20/2008       | 4300                       |
| 54-24239    | 74                           | Chloroform                              | 5/20/2008       | 15,000                     |
| 54-24239    | 74                           | Cyclohexane                             | 5/20/2008       | 8000                       |
| 54-24239    | 74                           | DCA                                     | 5/20/2008       | 16,000                     |
| 54-24239    | 74                           | Dichloroethane[1,2-]                    | 5/20/2008       | 11,000                     |
| 54-24239    | 74                           | DCE                                     | 5/20/2008       | 26,000                     |
| 54-24239    | 74                           | Dichloropropane[1,2-]                   | 5/20/2008       | 7100                       |
| 54-24239    | 74                           | Methylene Chloride                      | 5/20/2008       | 6000                       |
| 54-24239    | 74                           | PCE                                     | 5/20/2008       | 140,000                    |
| 54-24239    | 74                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/20/2008       | 88,000                     |
| 54-24239    | 74                           | TCA                                     | 5/20/2008       | 750,000                    |
| 54-24239    | 74                           | TCE                                     | 5/20/2008       | 150,000                    |
| 54-24239    | 74                           | Freon-11                                | 5/20/2008       | 7800                       |
| 54-24239    | 75                           | Benzene                                 | 8/21/2008       | 790                        |
| 54-24239    | 75                           | Carbon Tetrachloride                    | 8/21/2008       | 3200                       |
| 54-24239    | 75                           | Chloroform                              | 8/21/2008       | 16,000                     |
| 54-24239    | 75                           | Dichlorodifluoromethane                 | 8/21/2008       | 1200                       |
| 54-24239    | 75                           | DCA                                     | 8/21/2008       | 14,000                     |
| 54-24239    | 75                           | Dichloroethane[1,2-]                    | 8/21/2008       | 8900                       |
| 54-24239    | 75                           | DCE                                     | 8/21/2008       | 22,000                     |
| 54-24239    | 75                           | Dichloropropane[1,2-]                   | 8/21/2008       | 8900                       |
| 54-24239    | 75                           | PCE                                     | 8/21/2008       | 170,000                    |
| 54-24239    | 75                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/21/2008       | 69,000                     |
| 54-24239    | 75                           | TCA                                     | 8/21/2008       | 510,000                    |
| 54-24239    | 75                           | TCE                                     | 8/21/2008       | 180,000                    |
| 54-24239    | 75                           | Freon-11                                | 8/21/2008       | 5400                       |
| 54-24239    | 98.5                         | Benzene                                 | 12/21/2007      | 770                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24239    | 98.5                         | Benzene                                 | 3/27/2008       | 800                        |
| 54-24239    | 98.5                         | Carbon Tetrachloride                    | 12/21/2007      | 6100                       |
| 54-24239    | 98.5                         | Carbon Tetrachloride                    | 3/27/2008       | 3900                       |
| 54-24239    | 98.5                         | Chloroform                              | 12/21/2007      | 20,000                     |
| 54-24239    | 98.5                         | Chloroform                              | 3/27/2008       | 17,000                     |
| 54-24239    | 98.5                         | Cyclohexane                             | 3/27/2008       | 21,000                     |
| 54-24239    | 98.5                         | Dichlorodifluoromethane                 | 12/21/2007      | 1700                       |
| 54-24239    | 98.5                         | Dichlorodifluoromethane                 | 3/27/2008       | 1800                       |
| 54-24239    | 98.5                         | DCA                                     | 12/21/2007      | 18,000                     |
| 54-24239    | 98.5                         | DCA                                     | 3/27/2008       | 16,000                     |
| 54-24239    | 98.5                         | Dichloroethane[1,2-]                    | 12/21/2007      | 11,000                     |
| 54-24239    | 98.5                         | Dichloroethane[1,2-]                    | 3/27/2008       | 10,000                     |
| 54-24239    | 98.5                         | DCE                                     | 12/21/2007      | 140,000                    |
| 54-24239    | 98.5                         | DCE                                     | 3/27/2008       | 28,000                     |
| 54-24239    | 98.5                         | Dichloropropane[1,2-]                   | 12/21/2007      | 11,000                     |
| 54-24239    | 98.5                         | Dichloropropane[1,2-]                   | 3/27/2008       | 7100                       |
| 54-24239    | 98.5                         | PCE                                     | 12/21/2007      | 580,000                    |
| 54-24239    | 98.5                         | PCE                                     | 3/27/2008       | 240,000                    |
| 54-24239    | 98.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 75,000                     |
| 54-24239    | 98.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/27/2008       | 93,000                     |
| 54-24239    | 98.5                         | TCA                                     | 12/21/2007      | 770,000                    |
| 54-24239    | 98.5                         | TCA                                     | 3/27/2008       | 820,000                    |
| 54-24239    | 98.5                         | TCE                                     | 12/21/2007      | 270,000                    |
| 54-24239    | 98.5                         | TCE                                     | 3/27/2008       | 230,000                    |
| 54-24239    | 98.5                         | Freon-11                                | 12/21/2007      | 7700                       |
| 54-24239    | 98.5                         | Freon-11                                | 3/27/2008       | 7500                       |
| 54-24240    | 27                           | Acetone                                 | 6/16/2008       | 9600                       |
| 54-24240    | 27                           | Benzene                                 | 12/21/2007      | 1900                       |
| 54-24240    | 27                           | Carbon Tetrachloride                    | 12/21/2007      | 5600                       |
| 54-24240    | 27                           | Chloroform                              | 6/16/2008       | 11,000                     |
| 54-24240    | 27                           | Chloroform                              | 12/21/2007      | 15,000                     |
| 54-24240    | 27                           | Dichlorodifluoromethane                 | 12/21/2007      | 39,000                     |
| 54-24240    | 27                           | Dichlorodifluoromethane                 | 6/16/2008       | 15,000                     |
| 54-24240    | 27                           | Dichlorodifluoromethane                 | 3/27/2008       | 75,000                     |
| 54-24240    | 27                           | DCA                                     | 3/27/2008       | 92,000                     |
| 54-24240    | 27                           | DCA                                     | 12/21/2007      | 100,000                    |
| 54-24240    | 27                           | DCA                                     | 6/16/2008       | 54,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24240    | 27                           | Dichloroethane[1,2-]                    | 6/16/2008       | 340,000                    |
| 54-24240    | 27                           | Dichloroethane[1,2-]                    | 3/27/2008       | 420,000                    |
| 54-24240    | 27                           | Dichloroethane[1,2-]                    | 12/21/2007      | 420,000                    |
| 54-24240    | 27                           | DCE                                     | 12/21/2007      | 570,000                    |
| 54-24240    | 27                           | DCE                                     | 6/16/2008       | 49,000                     |
| 54-24240    | 27                           | Dichloropropane[1,2-]                   | 12/21/2007      | 3200                       |
| 54-24240    | 27                           | Methylene Chloride                      | 12/21/2007      | 60,000                     |
| 54-24240    | 27                           | Methylene Chloride                      | 6/16/2008       | 12,000                     |
| 54-24240    | 27                           | Methylene Chloride                      | 3/27/2008       | 41,000                     |
| 54-24240    | 27                           | PCE                                     | 3/27/2008       | 300,000                    |
| 54-24240    | 27                           | PCE                                     | 6/16/2008       | 220,000                    |
| 54-24240    | 27                           | PCE                                     | 12/21/2007      | 280,000                    |
| 54-24240    | 27                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 79,000                     |
| 54-24240    | 27                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/27/2008       | 99,000                     |
| 54-24240    | 27                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/16/2008       | 58,000                     |
| 54-24240    | 27                           | TCA                                     | 6/16/2008       | 1,300,000                  |
| 54-24240    | 27                           | TCA                                     | 12/21/2007      | 1,600,000                  |
| 54-24240    | 27                           | TCA                                     | 3/27/2008       | 2,000,000                  |
| 54-24240    | 27                           | TCE                                     | 6/16/2008       | 580,000                    |
| 54-24240    | 27                           | TCE                                     | 3/27/2008       | 720,000                    |
| 54-24240    | 27                           | TCE                                     | 12/21/2007      | 850,000                    |
| 54-24240    | 27                           | Freon-11                                | 6/16/2008       | 20,000                     |
| 54-24240    | 27                           | Freon-11                                | 3/27/2008       | 48,000                     |
| 54-24240    | 27                           | Freon-11                                | 12/21/2007      | 32,000                     |
| 54-24240    | 28                           | Chloroform                              | 8/22/2008       | 11,000                     |
| 54-24240    | 28                           | Dichlorodifluoromethane                 | 8/22/2008       | 12,000                     |
| 54-24240    | 28                           | DCA                                     | 8/22/2008       | 55,000                     |
| 54-24240    | 28                           | Dichloroethane[1,2-]                    | 8/22/2008       | 330,000                    |
| 54-24240    | 28                           | DCE                                     | 8/22/2008       | 8500                       |
| 54-24240    | 28                           | Methylene Chloride                      | 8/22/2008       | 7100                       |
| 54-24240    | 28                           | PCE                                     | 8/22/2008       | 240,000                    |
| 54-24240    | 28                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/22/2008       | 62,000                     |
| 54-24240    | 28                           | TCA                                     | 8/22/2008       | 1,200,000                  |
| 54-24240    | 28                           | TCE                                     | 8/22/2008       | 670,000                    |
| 54-24240    | 28                           | Freon-11                                | 8/22/2008       | 18,000                     |
| 54-24240    | 52                           | Acetone                                 | 6/16/2008       | 20,000                     |
| 54-24240    | 52                           | Carbon Tetrachloride                    | 6/16/2008       | 8200                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24240    | 52                           | Chloroform                              | 6/16/2008       | 36,000                     |
| 54-24240    | 52                           | Dichlorodifluoromethane                 | 6/16/2008       | 42,000                     |
| 54-24240    | 52                           | DCA                                     | 6/16/2008       | 86,000                     |
| 54-24240    | 52                           | Dichloroethane[1,2-]                    | 6/16/2008       | 650,000                    |
| 54-24240    | 52                           | DCE                                     | 6/16/2008       | 110,000                    |
| 54-24240    | 52                           | Methylene Chloride                      | 6/16/2008       | 210,000                    |
| 54-24240    | 52                           | PCE                                     | 6/16/2008       | 270,000                    |
| 54-24240    | 52                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/16/2008       | 97,000                     |
| 54-24240    | 52                           | TCA                                     | 6/16/2008       | 2,300,000                  |
| 54-24240    | 52                           | TCE                                     | 6/16/2008       | 860,000                    |
| 54-24240    | 52                           | Freon-11                                | 6/16/2008       | 52,000                     |
| 54-24240    | 53                           | Benzene                                 | 8/22/2008       | 2400                       |
| 54-24240    | 53                           | Carbon Tetrachloride                    | 8/22/2008       | 6100                       |
| 54-24240    | 53                           | Chloroform                              | 8/22/2008       | 28,000                     |
| 54-24240    | 53                           | Dichlorodifluoromethane                 | 8/22/2008       | 22,000                     |
| 54-24240    | 53                           | DCA                                     | 8/22/2008       | 63,000                     |
| 54-24240    | 53                           | Dichloroethane[1,2-]                    | 8/22/2008       | 460,000                    |
| 54-24240    | 53                           | DCE                                     | 8/22/2008       | 12,000                     |
| 54-24240    | 53                           | Dichloropropane[1,2-]                   | 8/22/2008       | 3900                       |
| 54-24240    | 53                           | Hexane                                  | 8/22/2008       | 2000                       |
| 54-24240    | 53                           | Methylene Chloride                      | 8/22/2008       | 120,000                    |
| 54-24240    | 53                           | PCE                                     | 8/22/2008       | 210,000                    |
| 54-24240    | 53                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/22/2008       | 78,000                     |
| 54-24240    | 53                           | TCA                                     | 8/22/2008       | 1,300,000                  |
| 54-24240    | 53                           | TCE                                     | 8/22/2008       | 570,000                    |
| 54-24240    | 53                           | Freon-11                                | 8/22/2008       | 32,000                     |
| 54-24240    | 102                          | Benzene                                 | 12/21/2007      | 950                        |
| 54-24240    | 102                          | Carbon Tetrachloride                    | 12/21/2007      | 2300                       |
| 54-24240    | 102                          | Chloroform                              | 12/21/2007      | 8300                       |
| 54-24240    | 102                          | Dichlorodifluoromethane                 | 12/21/2007      | 5400                       |
| 54-24240    | 102                          | DCA                                     | 3/27/2008       | 48,000                     |
| 54-24240    | 102                          | DCA                                     | 12/21/2007      | 32,000                     |
| 54-24240    | 102                          | Dichloroethane[1,2-]                    | 3/27/2008       | 82000                      |
| 54-24240    | 102                          | Dichloroethane[1,2-]                    | 12/21/2007      | 53,000                     |
| 54-24240    | 102                          | DCE                                     | 3/27/2008       | 28,000                     |
| 54-24240    | 102                          | DCE                                     | 12/21/2007      | 300,000                    |
| 54-24240    | 102                          | Dichloropropane[1,2-]                   | 12/21/2007      | 4200                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24240    | 102                          | Hexane                                  | 12/21/2007      | 630                        |
| 54-24240    | 102                          | Methylene Chloride                      | 12/21/2007      | 18,000                     |
| 54-24240    | 102                          | Methylene Chloride                      | 3/27/2008       | 37,000                     |
| 54-24240    | 102                          | PCE                                     | 3/27/2008       | 140,000                    |
| 54-24240    | 102                          | PCE                                     | 12/21/2007      | 73,000                     |
| 54-24240    | 102                          | Toluene                                 | 12/21/2007      | 600                        |
| 54-24240    | 102                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/27/2008       | 62,000                     |
| 54-24240    | 102                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 38,000                     |
| 54-24240    | 102                          | TCA                                     | 12/21/2007      | 760,000                    |
| 54-24240    | 102                          | TCA                                     | 3/27/2008       | 1,600,000                  |
| 54-24240    | 102                          | TCE                                     | 12/21/2007      | 270,000                    |
| 54-24240    | 102                          | TCE                                     | 3/27/2008       | 320,000                    |
| 54-24240    | 102                          | Freon-11                                | 12/21/2007      | 6200                       |
| 54-24240    | 127                          | Benzene                                 | 12/21/2007      | 580                        |
| 54-24240    | 127                          | Carbon Tetrachloride                    | 12/21/2007      | 2000                       |
| 54-24240    | 127                          | Chloroform                              | 12/21/2007      | 5500                       |
| 54-24240    | 127                          | Chloroform                              | 6/16/2008       | 9400                       |
| 54-24240    | 127                          | Dichlorodifluoromethane                 | 12/21/2007      | 4000                       |
| 54-24240    | 127                          | Dichlorodifluoromethane                 | 6/16/2008       | 8200                       |
| 54-24240    | 127                          | DCA                                     | 12/21/2007      | 23,000                     |
| 54-24240    | 127                          | DCA                                     | 3/27/2008       | 37,000                     |
| 54-24240    | 127                          | DCA                                     | 6/16/2008       | 30,000                     |
| 54-24240    | 127                          | Dichloroethane[1,2-]                    | 12/21/2007      | 24,000                     |
| 54-24240    | 127                          | Dichloroethane[1,2-]                    | 3/27/2008       | 49,000                     |
| 54-24240    | 127                          | Dichloroethane[1,2-]                    | 6/16/2008       | 60,000                     |
| 54-24240    | 127                          | DCE                                     | 12/21/2007      | 220,000                    |
| 54-24240    | 127                          | DCE                                     | 6/16/2008       | 82,000                     |
| 54-24240    | 127                          | DCE                                     | 3/27/2008       | 32,000                     |
| 54-24240    | 127                          | Dichloropropane[1,2-]                   | 12/21/2007      | 2800                       |
| 54-24240    | 127                          | Methylene Chloride                      | 12/21/2007      | 4600                       |
| 54-24240    | 127                          | Methylene Chloride                      | 6/16/2008       | 20,000                     |
| 54-24240    | 127                          | Methylene Chloride                      | 3/27/2008       | 15,000                     |
| 54-24240    | 127                          | PCE                                     | 12/21/2007      | 46,000                     |
| 54-24240    | 127                          | PCE                                     | 3/27/2008       | 83,000                     |
| 54-24240    | 127                          | PCE                                     | 6/16/2008       | 86,000                     |
| 54-24240    | 127                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 33,000                     |
| 54-24240    | 127                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/16/2008       | 44,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24240    | 127                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/27/2008       | 53,000                     |
| 54-24240    | 127                          | TCA                                     | 12/21/2007      | 670,000                    |
| 54-24240    | 127                          | TCA                                     | 6/16/2008       | 1,200,000                  |
| 54-24240    | 127                          | TCA                                     | 3/27/2008       | 1,300,000                  |
| 54-24240    | 127                          | TCE                                     | 12/21/2007      | 230,000                    |
| 54-24240    | 127                          | TCE                                     | 3/27/2008       | 300,000                    |
| 54-24240    | 127                          | TCE                                     | 6/16/2008       | 260,000                    |
| 54-24240    | 127                          | Freon-11                                | 12/21/2007      | 5200                       |
| 54-24240    | 127                          | Freon-11                                | 6/16/2008       | 8800                       |
| 54-24240    | 128                          | Benzene                                 | 8/22/2008       | 850                        |
| 54-24240    | 128                          | Carbon Tetrachloride                    | 8/22/2008       | 1800                       |
| 54-24240    | 128                          | Chloroform                              | 8/22/2008       | 7300                       |
| 54-24240    | 128                          | Dichlorodifluoromethane                 | 8/22/2008       | 5200                       |
| 54-24240    | 128                          | DCA                                     | 8/22/2008       | 26,000                     |
| 54-24240    | 128                          | Dichloroethane[1,2-]                    | 8/22/2008       | 42,000                     |
| 54-24240    | 128                          | DCE                                     | 8/22/2008       | 20,000                     |
| 54-24240    | 128                          | Dichloropropane[1,2-]                   | 8/22/2008       | 4000                       |
| 54-24240    | 128                          | Methylene Chloride                      | 8/22/2008       | 10,000                     |
| 54-24240    | 128                          | PCE                                     | 8/22/2008       | 73,000                     |
| 54-24240    | 128                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/22/2008       | 34,000                     |
| 54-24240    | 128                          | TCA                                     | 8/22/2008       | 770,000                    |
| 54-24240    | 128                          | TCE                                     | 8/22/2008       | 220,000                    |
| 54-24240    | 128                          | Freon-11                                | 8/22/2008       | 5400                       |
| 54-24240    | 152                          | Acetone                                 | 6/16/2008       | 13,000                     |
| 54-24240    | 152                          | Benzene                                 | 12/21/2007      | 510                        |
| 54-24240    | 152                          | Carbon Tetrachloride                    | 12/21/2007      | 1900                       |
| 54-24240    | 152                          | Chloroform                              | 6/16/2008       | 8400                       |
| 54-24240    | 152                          | Chloroform                              | 12/21/2007      | 5000                       |
| 54-24240    | 152                          | Dichlorodifluoromethane                 | 6/16/2008       | 7100                       |
| 54-24240    | 152                          | Dichlorodifluoromethane                 | 12/21/2007      | 4200                       |
| 54-24240    | 152                          | DCA                                     | 6/16/2008       | 26,000                     |
| 54-24240    | 152                          | DCA                                     | 12/21/2007      | 20,000                     |
| 54-24240    | 152                          | DCA                                     | 3/27/2008       | 29,000                     |
| 54-24240    | 152                          | Dichloroethane[1,2-]                    | 6/16/2008       | 47,000                     |
| 54-24240    | 152                          | Dichloroethane[1,2-]                    | 12/21/2007      | 15,000                     |
| 54-24240    | 152                          | Dichloroethane[1,2-]                    | 3/27/2008       | 25,000                     |
| 54-24240    | 152                          | DCE                                     | 12/21/2007      | 240,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24240    | 152                          | DCE                                     | 6/16/2008       | 84,000                     |
| 54-24240    | 152                          | DCE                                     | 3/27/2008       | 33,000                     |
| 54-24240    | 152                          | Dichloropropane[1,2-]                   | 12/21/2007      | 2300                       |
| 54-24240    | 152                          | Methylene Chloride                      | 12/21/2007      | 1600                       |
| 54-24240    | 152                          | Methylene Chloride                      | 6/16/2008       | 9500                       |
| 54-24240    | 152                          | PCE                                     | 3/27/2008       | 71,000                     |
| 54-24240    | 152                          | PCE                                     | 6/16/2008       | 75,000                     |
| 54-24240    | 152                          | PCE                                     | 12/21/2007      | 41,000                     |
| 54-24240    | 152                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/16/2008       | 45,000                     |
| 54-24240    | 152                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 35,000                     |
| 54-24240    | 152                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/27/2008       | 48,000                     |
| 54-24240    | 152                          | TCA                                     | 3/27/2008       | 1,100,000                  |
| 54-24240    | 152                          | TCA                                     | 6/16/2008       | 1,200,000                  |
| 54-24240    | 152                          | TCA                                     | 12/21/2007      | 600,000                    |
| 54-24240    | 152                          | TCE                                     | 12/21/2007      | 210,000                    |
| 54-24240    | 152                          | TCE                                     | 6/16/2008       | 260,000                    |
| 54-24240    | 152                          | TCE                                     | 3/27/2008       | 250,000                    |
| 54-24240    | 152                          | Freon-11                                | 6/16/2008       | 8000                       |
| 54-24240    | 152                          | Freon-11                                | 12/21/2007      | 5200                       |
| 54-24240    | 153                          | Chloroform                              | 8/22/2008       | 5000                       |
| 54-24240    | 153                          | Dichlorodifluoromethane                 | 8/22/2008       | 3100                       |
| 54-24240    | 153                          | DCA                                     | 8/22/2008       | 18,000                     |
| 54-24240    | 153                          | Dichloroethane[1,2-]                    | 8/22/2008       | 16,000                     |
| 54-24240    | 153                          | DCE                                     | 8/22/2008       | 20,000                     |
| 54-24240    | 153                          | Dichloropropane[1,2-]                   | 8/22/2008       | 2600                       |
| 54-24240    | 153                          | Methylene Chloride                      | 8/22/2008       | 1400                       |
| 54-24240    | 153                          | PCE                                     | 8/22/2008       | 47,000                     |
| 54-24240    | 153                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/22/2008       | 28,000                     |
| 54-24240    | 153                          | TCA                                     | 8/22/2008       | 68,0000                    |
| 54-24240    | 153                          | TCE                                     | 8/22/2008       | 190,000                    |
| 54-24241    | 73                           | Benzene                                 | 8/15/2008       | 1900                       |
| 54-24241    | 73                           | Carbon Tetrachloride                    | 5/20/2008       | 11,000                     |
| 54-24241    | 73                           | Carbon Tetrachloride                    | 8/15/2008       | 23,000                     |
| 54-24241    | 73                           | Chloroform                              | 5/20/2008       | 22,000                     |
| 54-24241    | 73                           | Chloroform                              | 8/15/2008       | 33,000                     |
| 54-24241    | 73                           | Cyclohexane                             | 5/20/2008       | 13,000                     |
| 54-24241    | 73                           | DCA                                     | 5/20/2008       | 29,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24241    | 73                           | DCA                                     | 8/15/2008       | 42,000                     |
| 54-24241    | 73                           | Dichloroethane[1,2-]                    | 5/20/2008       | 18,000                     |
| 54-24241    | 73                           | Dichloroethane[1,2-]                    | 8/15/2008       | 27,000                     |
| 54-24241    | 73                           | DCE                                     | 5/20/2008       | 31,000                     |
| 54-24241    | 73                           | DCE                                     | 8/15/2008       | 25,000                     |
| 54-24241    | 73                           | Dichloropropane[1,2-]                   | 5/20/2008       | 16,000                     |
| 54-24241    | 73                           | Dichloropropane[1,2-]                   | 8/15/2008       | 31,000                     |
| 54-24241    | 73                           | Methylene Chloride                      | 5/20/2008       | 5400                       |
| 54-24241    | 73                           | Methylene Chloride                      | 8/15/2008       | 2800                       |
| 54-24241    | 73                           | PCE                                     | 5/20/2008       | 50,000                     |
| 54-24241    | 73                           | PCE                                     | 8/15/2008       | 150,000                    |
| 54-24241    | 73                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/20/2008       | 170,000                    |
| 54-24241    | 73                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/15/2008       | 200,000                    |
| 54-24241    | 73                           | TCA                                     | 5/20/2008       | 1,200,000                  |
| 54-24241    | 73                           | TCA                                     | 8/15/2008       | 1,200,000                  |
| 54-24241    | 73                           | TCE                                     | 5/20/2008       | 200,000                    |
| 54-24241    | 73                           | TCE                                     | 8/15/2008       | 330,000                    |
| 54-24241    | 73                           | Freon-11                                | 5/20/2008       | 11,000                     |
| 54-24241    | 92                           | Chloroform                              | 3/28/2008       | 31,000                     |
| 54-24241    | 92                           | Chloroform                              | 12/21/2007      | 12,000                     |
| 54-24241    | 92                           | DCA                                     | 3/28/2008       | 36,000                     |
| 54-24241    | 92                           | DCA                                     | 12/21/2007      | 9200                       |
| 54-24241    | 92                           | Dichloroethane[1,2-]                    | 3/28/2008       | 22,000                     |
| 54-24241    | 92                           | DCE                                     | 3/28/2008       | 35,000                     |
| 54-24241    | 92                           | DCE                                     | 12/21/2007      | 30,000                     |
| 54-24241    | 92                           | PCE                                     | 12/21/2007      | 50,000                     |
| 54-24241    | 92                           | PCE                                     | 3/28/2008       | 130,000                    |
| 54-24241    | 92                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 110,000                    |
| 54-24241    | 92                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/28/2008       | 210,000                    |
| 54-24241    | 92                           | TCA                                     | 3/28/2008       | 1,300,000                  |
| 54-24241    | 92                           | TCA                                     | 12/21/2007      | 610,000                    |
| 54-24241    | 92                           | TCE                                     | 12/21/2007      | 160,000                    |
| 54-24241    | 92                           | TCE                                     | 3/28/2008       | 290,000                    |
| 54-24241    | 112                          | Carbon Tetrachloride                    | 5/20/2008       | 7500                       |
| 54-24241    | 112                          | Chloroform                              | 12/21/2007      | 12,000                     |
| 54-24241    | 112                          | Chloroform                              | 5/20/2008       | 19,000                     |
| 54-24241    | 112                          | Chloroform                              | 3/28/2008       | 25,000                     |



Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24241    | 112                          | Cyclohexane                             | 5/20/2008       | 11,000                     |
| 54-24241    | 112                          | DCA                                     | 12/21/2007      | 9700                       |
| 54-24241    | 112                          | DCA                                     | 5/20/2008       | 17,000                     |
| 54-24241    | 112                          | DCA                                     | 3/28/2008       | 27,000                     |
| 54-24241    | 112                          | Dichloroethane[1,2-]                    | 5/20/2008       | 14,000                     |
| 54-24241    | 112                          | Dichloroethane[1,2-]                    | 3/28/2008       | 19,000                     |
| 54-24241    | 112                          | Dichloroethane[1,2-]                    | 12/21/2007      | 8800                       |
| 54-24241    | 112                          | DCE                                     | 5/20/2008       | 37,000                     |
| 54-24241    | 112                          | DCE                                     | 12/21/2007      | 28,000                     |
| 54-24241    | 112                          | DCE                                     | 3/28/2008       | 35,000                     |
| 54-24241    | 112                          | Dichloropropane[1,2-]                   | 5/20/2008       | 13,000                     |
| 54-24241    | 112                          | Propanol[2-]                            | 5/20/2008       | 27,000                     |
| 54-24241    | 112                          | PCE                                     | 5/20/2008       | 85,000                     |
| 54-24241    | 112                          | PCE                                     | 12/21/2007      | 54,000                     |
| 54-24241    | 112                          | PCE                                     | 3/28/2008       | 110,000                    |
| 54-24241    | 112                          | Toluene                                 | 5/20/2008       | 3000                       |
| 54-24241    | 112                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/28/2008       | 170,000                    |
| 54-24241    | 112                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/20/2008       | 150,000                    |
| 54-24241    | 112                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 110,000                    |
| 54-24241    | 112                          | TCA                                     | 12/21/2007      | 630,000                    |
| 54-24241    | 112                          | TCA                                     | 3/28/2008       | 1,000,000                  |
| 54-24241    | 112                          | TCA                                     | 5/20/2008       | 960,000                    |
| 54-24241    | 112                          | TCE                                     | 5/20/2008       | 210,000                    |
| 54-24241    | 112                          | TCE                                     | 3/28/2008       | 250,000                    |
| 54-24241    | 112                          | TCE                                     | 12/21/2007      | 150,000                    |
| 54-24241    | 112                          | Freon-11                                | 5/20/2008       | 13,000                     |
| 54-24241    | 113                          | Benzene                                 | 8/15/2008       | 850                        |
| 54-24241    | 113                          | Carbon Tetrachloride                    | 8/15/2008       | 7900                       |
| 54-24241    | 113                          | Chloroform                              | 8/15/2008       | 21,000                     |
| 54-24241    | 113                          | Dichlorodifluoromethane                 | 8/15/2008       | 1200                       |
| 54-24241    | 113                          | DCA                                     | 8/15/2008       | 22,000                     |
| 54-24241    | 113                          | Dichloroethane[1,2-]                    | 8/15/2008       | 15,000                     |
| 54-24241    | 113                          | DCE                                     | 8/15/2008       | 26,000                     |
| 54-24241    | 113                          | Dichloropropane[1,2-]                   | 8/15/2008       | 20,000                     |
| 54-24241    | 113                          | PCE                                     | 8/15/2008       | 110,000                    |
| 54-24241    | 113                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/15/2008       | 140,000                    |
| 54-24241    | 113                          | TCA                                     | 8/15/2008       | 740,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24241    | 113                          | TCE                                     | 8/15/2008       | 230,000                    |
| 54-24241    | 113                          | Freon-11                                | 8/15/2008       | 8700                       |
| 54-24241    | 133                          | Benzene                                 | 8/15/2008       | 970                        |
| 54-24241    | 133                          | Carbon Tetrachloride                    | 5/20/2008       | 5500                       |
| 54-24241    | 133                          | Carbon Tetrachloride                    | 8/15/2008       | 6300                       |
| 54-24241    | 133                          | Chloroform                              | 5/20/2008       | 15,000                     |
| 54-24241    | 133                          | Chloroform                              | 8/15/2008       | 18,000                     |
| 54-24241    | 133                          | Cyclohexane                             | 5/20/2008       | 8200                       |
| 54-24241    | 133                          | Dichlorodifluoromethane                 | 8/15/2008       | 1400                       |
| 54-24241    | 133                          | DCA                                     | 5/20/2008       | 13,000                     |
| 54-24241    | 133                          | DCA                                     | 8/15/2008       | 16,000                     |
| 54-24241    | 133                          | Dichloroethane[1,2-]                    | 5/20/2008       | 11,000                     |
| 54-24241    | 133                          | Dichloroethane[1,2-]                    | 8/15/2008       | 12,000                     |
| 54-24241    | 133                          | DCE                                     | 5/20/2008       | 33,000                     |
| 54-24241    | 133                          | DCE                                     | 8/15/2008       | 28,000                     |
| 54-24241    | 133                          | Dichloropropane[1,2-]                   | 5/20/2008       | 7400                       |
| 54-24241    | 133                          | Dichloropropane[1,2-]                   | 8/15/2008       | 14,000                     |
| 54-24241    | 133                          | Methylene Chloride                      | 5/20/2008       | 5000                       |
| 54-24241    | 133                          | Propanol[2-]                            | 5/20/2008       | 12,000                     |
| 54-24241    | 133                          | PCE                                     | 5/20/2008       | 31,000                     |
| 54-24241    | 133                          | PCE                                     | 8/15/2008       | 100,000                    |
| 54-24241    | 133                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/20/2008       | 110,000                    |
| 54-24241    | 133                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/15/2008       | 120,000                    |
| 54-24241    | 133                          | TCA                                     | 5/20/2008       | 720,000                    |
| 54-24241    | 133                          | TCA                                     | 8/15/2008       | 640,000                    |
| 54-24241    | 133                          | TCE                                     | 5/20/2008       | 130,000                    |
| 54-24241    | 133                          | TCE                                     | 8/15/2008       | 210,000                    |
| 54-24241    | 133                          | Freon-11                                | 5/20/2008       | 11,000                     |
| 54-24241    | 133                          | Freon-11                                | 8/15/2008       | 9600                       |
| 54-24241    | 192                          | Chloroform                              | 12/21/2007      | 22,000                     |
| 54-24241    | 192                          | Chloroform                              | 3/28/2008       | 15,000                     |
| 54-24241    | 192                          | DCA                                     | 3/28/2008       | 12,000                     |
| 54-24241    | 192                          | DCA                                     | 12/21/2007      | 25,000                     |
| 54-24241    | 192                          | Dichloroethane[1,2-]                    | 12/21/2007      | 17,000                     |
| 54-24241    | 192                          | Dichloroethane[1,2-]                    | 3/28/2008       | 8800                       |
| 54-24241    | 192                          | DCE                                     | 12/21/2007      | 31,000                     |
| 54-24241    | 192                          | DCE                                     | 3/28/2008       | 40,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24241    | 192                          | Methylene Chloride                      | 3/28/2008       | 6700                       |
| 54-24241    | 192                          | PCE                                     | 12/21/2007      | 97,000                     |
| 54-24241    | 192                          | PCE                                     | 3/28/2008       | 70,000                     |
| 54-24241    | 192                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 180,000                    |
| 54-24241    | 192                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/28/2008       | 130,000                    |
| 54-24241    | 192                          | TCA                                     | 3/28/2008       | 620,000                    |
| 54-24241    | 192                          | TCA                                     | 12/21/2007      | 1,300,000                  |
| 54-24241    | 192                          | TCE                                     | 3/28/2008       | 170,000                    |
| 54-24241    | 192                          | TCE                                     | 12/21/2007      | 260,000                    |
| 54-24241    | 192                          | Freon-11                                | 3/28/2008       | 13,000                     |
| 54-24242    | 24                           | Benzene                                 | 12/21/2007      | 520                        |
| 54-24242    | 24                           | Carbon Tetrachloride                    | 12/21/2007      | 3900                       |
| 54-24242    | 24                           | Carbon Tetrachloride                    | 5/21/2008       | 3600                       |
| 54-24242    | 24                           | Chloroform                              | 12/21/2007      | 15,000                     |
| 54-24242    | 24                           | Chloroform                              | 3/31/2008       | 8300                       |
| 54-24242    | 24                           | Chloroform                              | 5/21/2008       | 13,000                     |
| 54-24242    | 24                           | Cyclohexane                             | 5/21/2008       | 6000                       |
| 54-24242    | 24                           | Dichlorodifluoromethane                 | 12/21/2007      | 1400                       |
| 54-24242    | 24                           | DCA                                     | 12/21/2007      | 16,000                     |
| 54-24242    | 24                           | DCA                                     | 3/31/2008       | 9000                       |
| 54-24242    | 24                           | DCA                                     | 5/21/2008       | 14,000                     |
| 54-24242    | 24                           | Dichloroethane[1,2-]                    | 12/21/2007      | 6000                       |
| 54-24242    | 24                           | Dichloroethane[1,2-]                    | 3/31/2008       | 2200                       |
| 54-24242    | 24                           | Dichloroethane[1,2-]                    | 5/21/2008       | 5400                       |
| 54-24242    | 24                           | DCE                                     | 12/21/2007      | 180,000                    |
| 54-24242    | 24                           | DCE                                     | 3/31/2008       | 12,000                     |
| 54-24242    | 24                           | DCE                                     | 5/21/2008       | 21,000                     |
| 54-24242    | 24                           | Dichloropropane[1,2-]                   | 5/21/2008       | 6000                       |
| 54-24242    | 24                           | Dichloropropane[1,2-]                   | 12/21/2007      | 8600                       |
| 54-24242    | 24                           | Propanol[2-]                            | 5/21/2008       | 12,000                     |
| 54-24242    | 24                           | PCE                                     | 12/21/2007      | 250,000                    |
| 54-24242    | 24                           | PCE                                     | 3/31/2008       | 270,000                    |
| 54-24242    | 24                           | PCE                                     | 5/21/2008       | 99,000                     |
| 54-24242    | 24                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 77,000                     |
| 54-24242    | 24                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/31/2008       | 40,000                     |
| 54-24242    | 24                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/21/2008       | 61,000                     |
| 54-24242    | 24                           | TCA                                     | 12/21/2007      | 470,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24242    | 24                           | TCA                                     | 3/31/2008       | 360,000                    |
| 54-24242    | 24                           | TCA                                     | 5/21/2008       | 610,000                    |
| 54-24242    | 24                           | TCE                                     | 12/21/2007      | 190,000                    |
| 54-24242    | 24                           | TCE                                     | 3/31/2008       | 110,000                    |
| 54-24242    | 24                           | TCE                                     | 5/21/2008       | 130,000                    |
| 54-24242    | 24                           | Freon-11                                | 5/21/2008       | 4900                       |
| 54-24242    | 24                           | Freon-11                                | 12/21/2007      | 5900                       |
| 54-24242    | 25                           | Benzene                                 | 8/21/2008       | 380                        |
| 54-24242    | 25                           | Carbon Tetrachloride                    | 8/21/2008       | 2200                       |
| 54-24242    | 25                           | Chloroform                              | 8/21/2008       | 11,000                     |
| 54-24242    | 25                           | Dichlorodifluoromethane                 | 8/21/2008       | 570                        |
| 54-24242    | 25                           | DCA                                     | 8/21/2008       | 10,000                     |
| 54-24242    | 25                           | Dichloroethane[1,2-]                    | 8/21/2008       | 3200                       |
| 54-24242    | 25                           | DCE                                     | 8/21/2008       | 12,000                     |
| 54-24242    | 25                           | Dichloropropane[1,2-]                   | 8/21/2008       | 7400                       |
| 54-24242    | 25                           | PCE                                     | 8/21/2008       | 300,000                    |
| 54-24242    | 25                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/21/2008       | 41,000                     |
| 54-24242    | 25                           | TCA                                     | 8/21/2008       | 330,000                    |
| 54-24242    | 25                           | TCE                                     | 8/21/2008       | 140,000                    |
| 54-24242    | 25                           | Freon-11                                | 8/21/2008       | 2800                       |
| 54-24242    | 49                           | Carbon Tetrachloride                    | 5/21/2008       | 4100                       |
| 54-24242    | 49                           | Chloroform                              | 5/21/2008       | 15,000                     |
| 54-24242    | 49                           | Cyclohexane                             | 5/21/2008       | 7700                       |
| 54-24242    | 49                           | DCA                                     | 5/21/2008       | 16,000                     |
| 54-24242    | 49                           | Dichloroethane[1,2-]                    | 5/21/2008       | 9000                       |
| 54-24242    | 49                           | DCE                                     | 5/21/2008       | 27,000                     |
| 54-24242    | 49                           | Dichloropropane[1,2-]                   | 5/21/2008       | 6600                       |
| 54-24242    | 49                           | Propanol[2-]                            | 5/21/2008       | 7400                       |
| 54-24242    | 49                           | PCE                                     | 5/21/2008       | 110,000                    |
| 54-24242    | 49                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/21/2008       | 75,000                     |
| 54-24242    | 49                           | TCA                                     | 5/21/2008       | 760,000                    |
| 54-24242    | 49                           | TCE                                     | 5/21/2008       | 150,000                    |
| 54-24242    | 49                           | Freon-11                                | 5/21/2008       | 6800                       |
| 54-24242    | 50                           | Benzene                                 | 8/21/2008       | 990                        |
| 54-24242    | 50                           | Carbon Tetrachloride                    | 8/21/2008       | 3200                       |
| 54-24242    | 50                           | Chloroform                              | 8/21/2008       | 15,000                     |
| 54-24242    | 50                           | Dichlorodifluoromethane                 | 8/21/2008       | 1000                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24242    | 50                           | DCA                                     | 8/21/2008       | 13,000                     |
| 54-24242    | 50                           | Dichloroethane[1,2-]                    | 8/21/2008       | 10,000                     |
| 54-24242    | 50                           | DCE                                     | 8/21/2008       | 20,000                     |
| 54-24242    | 50                           | Dichloropropane[1,2-]                   | 8/21/2008       | 10,000                     |
| 54-24242    | 50                           | Methylene Chloride                      | 8/21/2008       | 3800                       |
| 54-24242    | 50                           | PCE                                     | 8/21/2008       | 170,000                    |
| 54-24242    | 50                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/21/2008       | 74,000                     |
| 54-24242    | 50                           | TCA                                     | 8/21/2008       | 480,000                    |
| 54-24242    | 50                           | TCE                                     | 8/21/2008       | 170,000                    |
| 54-24242    | 50                           | Freon-11                                | 8/21/2008       | 5200                       |
| 54-24242    | 99                           | Benzene                                 | 12/21/2007      | 940                        |
| 54-24242    | 99                           | Carbon Tetrachloride                    | 12/21/2007      | 4400                       |
| 54-24242    | 99                           | Chloroform                              | 12/21/2007      | 18,000                     |
| 54-24242    | 99                           | Dichlorodifluoromethane                 | 12/21/2007      | 2000                       |
| 54-24242    | 99                           | DCA                                     | 12/21/2007      | 17,000                     |
| 54-24242    | 99                           | Dichloroethane[1,2-]                    | 12/21/2007      | 10,000                     |
| 54-24242    | 99                           | DCE                                     | 12/21/2007      | 220,000                    |
| 54-24242    | 99                           | Dichloropropane[1,2-]                   | 12/21/2007      | 8700                       |
| 54-24242    | 99                           | PCE                                     | 12/21/2007      | 230,000                    |
| 54-24242    | 99                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 100,000                    |
| 54-24242    | 99                           | TCA                                     | 12/21/2007      | 620,000                    |
| 54-24242    | 99                           | TCE                                     | 12/21/2007      | 240,000                    |
| 54-24242    | 99                           | Freon-11                                | 12/21/2007      | 8500                       |
| 54-24242    | 109.5                        | Chloroform                              | 3/31/2008       | 23,000                     |
| 54-24242    | 109.5                        | DCA                                     | 3/31/2008       | 19,000                     |
| 54-24242    | 109.5                        | DCE                                     | 3/31/2008       | 40,000                     |
| 54-24242    | 109.5                        | Dichloroethane[1,2-]                    | 3/31/2008       | 16000                      |
| 54-24242    | 109.5                        | PCE                                     | 3/31/2008       | 310,000                    |
| 54-24242    | 109.5                        | TCA                                     | 3/31/2008       | 1,200,000                  |
| 54-24242    | 109.5                        | TCE                                     | 3/31/2008       | 290,000                    |
| 54-24242    | 109.5                        | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/31/2008       | 150,000                    |
| 54-24243    | 24                           | Carbon Tetrachloride                    | 6/3/2008        | 3800                       |
| 54-24243    | 24                           | Carbon Tetrachloride                    | 12/21/2007      | 2900                       |
| 54-24243    | 24                           | Chloroform                              | 4/9/2008        | 21,000                     |
| 54-24243    | 24                           | Chloroform                              | 6/3/2008        | 17,000                     |
| 54-24243    | 24                           | Chloroform                              | 12/21/2007      | 17,000                     |
| 54-24243    | 24                           | Cyclohexane                             | 6/3/2008        | 10,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24243    | 24                           | Dichlorodifluoromethane                 | 6/3/2008        | 1300                       |
| 54-24243    | 24                           | Dichlorodifluoromethane                 | 12/21/2007      | 1100                       |
| 54-24243    | 24                           | DCA                                     | 6/3/2008        | 21,000                     |
| 54-24243    | 24                           | DCA                                     | 4/9/2008        | 25,000                     |
| 54-24243    | 24                           | DCA                                     | 12/21/2007      | 20,000                     |
| 54-24243    | 24                           | Dichloroethane[1,2-]                    | 12/21/2007      | 3700                       |
| 54-24243    | 24                           | Dichloroethane[1,2-]                    | 6/3/2008        | 5700                       |
| 54-24243    | 24                           | DCE                                     | 6/3/2008        | 150,000                    |
| 54-24243    | 24                           | DCE                                     | 4/9/2008        | 21,000                     |
| 54-24243    | 24                           | DCE                                     | 12/21/2007      | 210,000                    |
| 54-24243    | 24                           | Dichloropropane[1,2-]                   | 6/3/2008        | 41,000                     |
| 54-24243    | 24                           | Dichloropropane[1,2-]                   | 12/21/2007      | 40,000                     |
| 54-24243    | 24                           | Dichloropropane[1,2-]                   | 4/9/2008        | 49,000                     |
| 54-24243    | 24                           | PCE                                     | 4/9/2008        | 21,000                     |
| 54-24243    | 24                           | PCE                                     | 12/21/2007      | 17,000                     |
| 54-24243    | 24                           | PCE                                     | 6/3/2008        | 21,000                     |
| 54-24243    | 24                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/9/2008        | 310,000                    |
| 54-24243    | 24                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 240,000                    |
| 54-24243    | 24                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/3/2008        | 220,000                    |
| 54-24243    | 24                           | TCA                                     | 6/3/2008        | 760,000                    |
| 54-24243    | 24                           | TCA                                     | 12/21/2007      | 590,000                    |
| 54-24243    | 24                           | TCA                                     | 4/9/2008        | 1,200,000                  |
| 54-24243    | 24                           | TCE                                     | 6/3/2008        | 220,000                    |
| 54-24243    | 24                           | TCE                                     | 4/9/2008        | 260,000                    |
| 54-24243    | 24                           | TCE                                     | 12/21/2007      | 200,000                    |
| 54-24243    | 24                           | Freon-11                                | 12/21/2007      | 8400                       |
| 54-24243    | 24                           | Freon-11                                | 6/3/2008        | 7200                       |
| 54-24243    | 25                           | Carbon Tetrachloride                    | 8/6/2008        | 2500                       |
| 54-24243    | 25                           | Chloroform                              | 8/6/2008        | 17,000                     |
| 54-24243    | 25                           | DCA                                     | 8/6/2008        | 18,000                     |
| 54-24243    | 25                           | Dichloroethane[1,2-]                    | 8/6/2008        | 7100                       |
| 54-24243    | 25                           | DCE                                     | 8/6/2008        | 12,000                     |
| 54-24243    | 25                           | Dichloropropane[1,2-]                   | 8/6/2008        | 46,000                     |
| 54-24243    | 25                           | PCE                                     | 8/6/2008        | 23,000                     |
| 54-24243    | 25                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/6/2008        | 200,000                    |
| 54-24243    | 25                           | TCA                                     | 8/6/2008        | 640,000                    |
| 54-24243    | 25                           | TCE                                     | 8/6/2008        | 200,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24243    | 25                           | Freon-11                                | 8/6/2008        | 5900                       |
| 54-24243    | 74                           | Benzene                                 | 6/3/2008        | 1100                       |
| 54-24243    | 74                           | Carbon Tetrachloride                    | 6/3/2008        | 6600                       |
| 54-24243    | 74                           | Chloroform                              | 6/3/2008        | 29,000                     |
| 54-24243    | 74                           | Cyclohexane                             | 6/3/2008        | 18,000                     |
| 54-24243    | 74                           | Dichlorodifluoromethane                 | 6/3/2008        | 2100                       |
| 54-24243    | 74                           | DCA                                     | 6/3/2008        | 29,000                     |
| 54-24243    | 74                           | Dichloroethane[1,2-]                    | 6/3/2008        | 11,000                     |
| 54-24243    | 74                           | DCE                                     | 6/3/2008        | 240,000                    |
| 54-24243    | 74                           | Dichloropropane[1,2-]                   | 6/3/2008        | 100,000                    |
| 54-24243    | 74                           | Methylene Chloride                      | 6/3/2008        | 8600                       |
| 54-24243    | 74                           | PCE                                     | 6/3/2008        | 27,000                     |
| 54-24243    | 74                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/3/2008        | 390,000                    |
| 54-24243    | 74                           | TCA                                     | 6/3/2008        | 1,300,000                  |
| 54-24243    | 74                           | TCE                                     | 6/3/2008        | 340,000                    |
| 54-24243    | 74                           | Freon-11                                | 6/3/2008        | 15,000                     |
| 54-24243    | 75                           | Carbon Tetrachloride                    | 8/6/2008        | 3600                       |
| 54-24243    | 75                           | Chloroform                              | 8/6/2008        | 25,000                     |
| 54-24243    | 75                           | DCA                                     | 8/6/2008        | 22,000                     |
| 54-24243    | 75                           | Dichloroethane[1,2-]                    | 8/6/2008        | 10,000                     |
| 54-24243    | 75                           | DCE                                     | 8/6/2008        | 23,000                     |
| 54-24243    | 75                           | Dichloropropane[1,2-]                   | 8/6/2008        | 99,000                     |
| 54-24243    | 75                           | Methylene Chloride                      | 8/6/2008        | 4800                       |
| 54-24243    | 75                           | PCE                                     | 8/6/2008        | 29,000                     |
| 54-24243    | 75                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/6/2008        | 310,000                    |
| 54-24243    | 75                           | TCA                                     | 8/6/2008        | 980,000                    |
| 54-24243    | 75                           | TCE                                     | 8/6/2008        | 310,000                    |
| 54-24243    | 75                           | Freon-11                                | 8/6/2008        | 11,000                     |
| 54-24243    | 99                           | Benzene                                 | 12/21/2007      | 2000                       |
| 54-24243    | 99                           | Carbon Tetrachloride                    | 12/21/2007      | 5200                       |
| 54-24243    | 99                           | Chloroform                              | 4/9/2008        | 30,000                     |
| 54-24243    | 99                           | Chloroform                              | 12/21/2007      | 30,000                     |
| 54-24243    | 99                           | Dichlorodifluoromethane                 | 12/21/2007      | 2000                       |
| 54-24243    | 99                           | DCA                                     | 4/9/2008        | 26,000                     |
| 54-24243    | 99                           | DCA                                     | 12/21/2007      | 27,000                     |
| 54-24243    | 99                           | Dichloroethane[1,2-]                    | 12/21/2007      | 24,000                     |
| 54-24243    | 99                           | Dichloroethane[1,2-]                    | 4/9/2008        | 21,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24243    | 99                           | DCE                                     | 4/9/2008        | 60,000                     |
| 54-24243    | 99                           | DCE                                     | 12/21/2007      | 310,000                    |
| 54-24243    | 99                           | Dichloropropane[1,2-]                   | 12/21/2007      | 110,000                    |
| 54-24243    | 99                           | Dichloropropane[1,2-]                   | 4/9/2008        | 100,000                    |
| 54-24243    | 99                           | Methylene Chloride                      | 4/9/2008        | 54,000                     |
| 54-24243    | 99                           | Methylene Chloride                      | 12/21/2007      | 52,000                     |
| 54-24243    | 99                           | PCE                                     | 4/9/2008        | 23,000                     |
| 54-24243    | 99                           | PCE                                     | 12/21/2007      | 34,000                     |
| 54-24243    | 99                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/9/2008        | 410,000                    |
| 54-24243    | 99                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 330,000                    |
| 54-24243    | 99                           | TCA                                     | 4/9/2008        | 1,600,000                  |
| 54-24243    | 99                           | TCA                                     | 12/21/2007      | 1,100,000                  |
| 54-24243    | 99                           | TCE                                     | 4/9/2008        | 340,000                    |
| 54-24243    | 99                           | TCE                                     | 12/21/2007      | 380,000                    |
| 54-24243    | 99                           | Freon-11                                | 12/21/2007      | 22,000                     |
| 54-24243    | 99                           | Freon-11                                | 4/9/2008        | 21,000                     |
| 54-24243    | 124                          | Benzene                                 | 6/3/2008        | 1900                       |
| 54-24243    | 124                          | Benzene                                 | 12/21/2007      | 2500                       |
| 54-24243    | 124                          | Carbon Tetrachloride                    | 12/21/2007      | 5900                       |
| 54-24243    | 124                          | Carbon Tetrachloride                    | 6/3/2008        | 6000                       |
| 54-24243    | 124                          | Chloroform                              | 4/9/2008        | 26,000                     |
| 54-24243    | 124                          | Chloroform                              | 6/3/2008        | 27,000                     |
| 54-24243    | 124                          | Chloroform                              | 12/21/2007      | 29,000                     |
| 54-24243    | 124                          | Cyclohexane                             | 6/3/2008        | 14,000                     |
| 54-24243    | 124                          | Dichlorodifluoromethane                 | 12/21/2007      | 2200                       |
| 54-24243    | 124                          | Dichlorodifluoromethane                 | 6/3/2008        | 2200                       |
| 54-24243    | 124                          | DCA                                     | 6/3/2008        | 20,000                     |
| 54-24243    | 124                          | DCA                                     | 12/21/2007      | 22,000                     |
| 54-24243    | 124                          | DCA                                     | 4/9/2008        | 19,000                     |
| 54-24243    | 124                          | Dichloroethane[1,2-]                    | 12/21/2007      | 26,000                     |
| 54-24243    | 124                          | Dichloroethane[1,2-]                    | 6/3/2008        | 24,000                     |
| 54-24243    | 124                          | Dichloroethane[1,2-]                    | 4/9/2008        | 23,000                     |
| 54-24243    | 124                          | DCE                                     | 4/9/2008        | 47,000                     |
| 54-24243    | 124                          | DCE                                     | 6/3/2008        | 240,000                    |
| 54-24243    | 124                          | DCE                                     | 12/21/2007      | 320,000                    |
| 54-24243    | 124                          | Dichloropropane[1,2-]                   | 12/21/2007      | 71,000                     |
| 54-24243    | 124                          | Dichloropropane[1,2-]                   | 6/3/2008        | 66,000                     |



Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24243    | 124                          | Dichloropropane[1,2-]                   | 4/9/2008        | 59,000                     |
| 54-24243    | 124                          | Ethanol                                 | 6/3/2008        | 2200                       |
| 54-24243    | 124                          | Methylene Chloride                      | 12/21/2007      | 53,000                     |
| 54-24243    | 124                          | Methylene Chloride                      | 6/3/2008        | 41,000                     |
| 54-24243    | 124                          | Methylene Chloride                      | 4/9/2008        | 44,000                     |
| 54-24243    | 124                          | PCE                                     | 12/21/2007      | 35,000                     |
| 54-24243    | 124                          | PCE                                     | 6/3/2008        | 36,000                     |
| 54-24243    | 124                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/9/2008        | 300,000                    |
| 54-24243    | 124                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/3/2008        | 250,000                    |
| 54-24243    | 124                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 310,000                    |
| 54-24243    | 124                          | TCA                                     | 4/9/2008        | 1,400,000                  |
| 54-24243    | 124                          | TCA                                     | 6/3/2008        | 950,000                    |
| 54-24243    | 124                          | TCA                                     | 12/21/2007      | 980,000                    |
| 54-24243    | 124                          | TCE                                     | 4/9/2008        | 270,000                    |
| 54-24243    | 124                          | TCE                                     | 6/3/2008        | 310,000                    |
| 54-24243    | 124                          | TCE                                     | 12/21/2007      | 350,000                    |
| 54-24243    | 124                          | Freon-11                                | 12/21/2007      | 25,000                     |
| 54-24243    | 124                          | Freon-11                                | 6/3/2008        | 19,000                     |
| 54-24243    | 125                          | Benzene                                 | 8/6/2008        | 1900                       |
| 54-24243    | 125                          | Carbon Tetrachloride                    | 8/6/2008        | 3900                       |
| 54-24243    | 125                          | Chloroform                              | 8/6/2008        | 23,000                     |
| 54-24243    | 125                          | Dichlorodifluoromethane                 | 8/6/2008        | 1200                       |
| 54-24243    | 125                          | DCA                                     | 8/6/2008        | 16,000                     |
| 54-24243    | 125                          | Dichloroethane[1,2-]                    | 8/6/2008        | 21,000                     |
| 54-24243    | 125                          | DCE                                     | 8/6/2008        | 32,000                     |
| 54-24243    | 125                          | Dichloropropane[1,2-]                   | 8/6/2008        | 62,000                     |
| 54-24243    | 125                          | Ethanol                                 | 8/6/2008        | 1700                       |
| 54-24243    | 125                          | Methylene Chloride                      | 8/6/2008        | 34,000                     |
| 54-24243    | 125                          | PCE                                     | 8/6/2008        | 33,000                     |
| 54-24243    | 125                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/6/2008        | 200,000                    |
| 54-24243    | 125                          | TCA                                     | 8/6/2008        | 740,000                    |
| 54-24243    | 125                          | TCE                                     | 8/6/2008        | 240,000                    |
| 54-24243    | 125                          | Freon-11                                | 8/6/2008        | 15,000                     |
| 54-24399    | 550                          | Carbon Tetrachloride                    | 6/16/2008       | 55                         |
| 54-24399    | 550                          | Carbon Tetrachloride                    | 9/3/2008        | 140                        |
| 54-24399    | 550                          | Chloroform                              | 6/16/2008       | 150                        |
| 54-24399    | 550                          | Chloroform                              | 9/3/2008        | 450                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-24399    | 550                          | Dichlorodifluoromethane                 | 6/16/2008       | 34                         |
| 54-24399    | 550                          | Dichlorodifluoromethane                 | 9/3/2008        | 49                         |
| 54-24399    | 550                          | DCA                                     | 6/16/2008       | 190                        |
| 54-24399    | 550                          | DCA                                     | 4/8/2008        | 140                        |
| 54-24399    | 550                          | DCA                                     | 9/3/2008        | 630                        |
| 54-24399    | 550                          | Dichloroethane[1,2-]                    | 6/16/2008       | 67                         |
| 54-24399    | 550                          | Dichloroethane[1,2-]                    | 9/3/2008        | 92                         |
| 54-24399    | 550                          | DCE                                     | 6/16/2008       | 370                        |
| 54-24399    | 550                          | DCE                                     | 4/8/2008        | 230                        |
| 54-24399    | 550                          | Dichloropropane[1,2-]                   | 6/16/2008       | 69                         |
| 54-24399    | 550                          | Dichloropropane[1,2-]                   | 9/3/2008        | 210                        |
| 54-24399    | 550                          | Methylene Chloride                      | 6/16/2008       | 31                         |
| 54-24399    | 550                          | Methylene Chloride                      | 9/3/2008        | 37                         |
| 54-24399    | 550                          | PCE                                     | 4/8/2008        | 490                        |
| 54-24399    | 550                          | PCE                                     | 6/16/2008       | 980                        |
| 54-24399    | 550                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/8/2008        | 840                        |
| 54-24399    | 550                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/16/2008       | 920                        |
| 54-24399    | 550                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 9/3/2008        | 2900                       |
| 54-24399    | 550                          | TCA                                     | 6/16/2008       | 6000                       |
| 54-24399    | 550                          | TCA                                     | 4/8/2008        | 5200                       |
| 54-24399    | 550                          | TCE                                     | 4/8/2008        | 1000                       |
| 54-24399    | 550                          | TCE                                     | 6/16/2008       | 1600                       |
| 54-24399    | 550                          | Freon-11                                | 6/16/2008       | 67                         |
| 54-24399    | 550                          | Freon-11                                | 9/3/2008        | 140                        |
| 54-27641    | 30                           | Benzene                                 | 12/21/2007      | 840                        |
| 54-27641    | 30                           | Carbon Tetrachloride                    | 12/21/2007      | 2700                       |
| 54-27641    | 30                           | Chloroform                              | 5/16/2008       | 4800                       |
| 54-27641    | 30                           | Chloroform                              | 12/21/2007      | 5500                       |
| 54-27641    | 30                           | Cyclohexane                             | 5/16/2008       | 14,000                     |
| 54-27641    | 30                           | Dichlorodifluoromethane                 | 12/21/2007      | 12,000                     |
| 54-27641    | 30                           | Dichlorodifluoromethane                 | 5/16/2008       | 18,000                     |
| 54-27641    | 30                           | DCA                                     | 3/28/2008       | 71,000                     |
| 54-27641    | 30                           | DCA                                     | 12/21/2007      | 81,000                     |
| 54-27641    | 30                           | DCA                                     | 5/16/2008       | 47,000                     |
| 54-27641    | 30                           | Dichloroethane[1,2-]                    | 5/16/2008       | 84,000                     |
| 54-27641    | 30                           | Dichloroethane[1,2-]                    | 3/28/2008       | 120,000                    |
| 54-27641    | 30                           | Dichloroethane[1,2-]                    | 12/21/2007      | 100,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27641    | 30                           | DCE                                     | 5/16/2008       | 12,000                     |
| 54-27641    | 30                           | DCE                                     | 12/21/2007      | 400,000                    |
| 54-27641    | 30                           | Dichloropropane[1,2-]                   | 12/21/2007      | 3300                       |
| 54-27641    | 30                           | Hexane                                  | 12/21/2007      | 930                        |
| 54-27641    | 30                           | Methylene Chloride                      | 5/16/2008       | 26,000                     |
| 54-27641    | 30                           | Methylene Chloride                      | 12/21/2007      | 50,000                     |
| 54-27641    | 30                           | Methylene Chloride                      | 3/28/2008       | 40,000                     |
| 54-27641    | 30                           | Propanol[2-]                            | 5/16/2008       | 15,000                     |
| 54-27641    | 30                           | PCE                                     | 5/16/2008       | 58,000                     |
| 54-27641    | 30                           | PCE                                     | 3/28/2008       | 180,000                    |
| 54-27641    | 30                           | PCE                                     | 12/21/2007      | 160,000                    |
| 54-27641    | 30                           | Toluene                                 | 12/21/2007      | 950                        |
| 54-27641    | 30                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/28/2008       | 62,000                     |
| 54-27641    | 30                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/16/2008       | 45,000                     |
| 54-27641    | 30                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 51,000                     |
| 54-27641    | 30                           | TCA                                     | 5/16/2008       | 1,300,000                  |
| 54-27641    | 30                           | TCA                                     | 3/28/2008       | 1,600,000                  |
| 54-27641    | 30                           | TCA                                     | 12/21/2007      | 1,200,000                  |
| 54-27641    | 30                           | TCE                                     | 5/16/2008       | 310,000                    |
| 54-27641    | 30                           | TCE                                     | 12/21/2007      | 560,000                    |
| 54-27641    | 30                           | TCE                                     | 3/28/2008       | 510,000                    |
| 54-27641    | 30                           | Freon-11                                | 5/16/2008       | 14,000                     |
| 54-27641    | 30                           | Freon-11                                | 12/21/2007      | 12,000                     |
| 54-27641    | 32                           | Carbon Tetrachloride                    | 8/22/2008       | 1900                       |
| 54-27641    | 32                           | Chloroform                              | 8/22/2008       | 5000                       |
| 54-27641    | 32                           | Dichlorodifluoromethane                 | 8/22/2008       | 9000                       |
| 54-27641    | 32                           | DCA                                     | 8/22/2008       | 41,000                     |
| 54-27641    | 32                           | Dichloroethane[1,2-]                    | 8/22/2008       | 100,000                    |
| 54-27641    | 32                           | DCE                                     | 8/22/2008       | 9100                       |
| 54-27641    | 32                           | Dichloropropane[1,2-]                   | 8/22/2008       | 2500                       |
| 54-27641    | 32                           | Methylene Chloride                      | 8/22/2008       | 18,000                     |
| 54-27641    | 32                           | PCE                                     | 8/22/2008       | 150,000                    |
| 54-27641    | 32                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/22/2008       | 43,000                     |
| 54-27641    | 32                           | TCA                                     | 8/22/2008       | 880,000                    |
| 54-27641    | 32                           | TCE                                     | 8/22/2008       | 390,000                    |
| 54-27641    | 32                           | Freon-11                                | 8/22/2008       | 9900                       |
| 54-27641    | 80                           | Benzene                                 | 12/21/2007      | 810                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27641    | 80                           | Carbon Tetrachloride                    | 12/21/2007      | 1900                       |
| 54-27641    | 80                           | Chloroform                              | 5/16/2008       | 4800                       |
| 54-27641    | 80                           | Chloroform                              | 12/21/2007      | 5700                       |
| 54-27641    | 80                           | Cyclohexane                             | 5/16/2008       | 11,000                     |
| 54-27641    | 80                           | Dichlorodifluoromethane                 | 5/16/2008       | 12,000                     |
| 54-27641    | 80                           | Dichlorodifluoromethane                 | 12/21/2007      | 7700                       |
| 54-27641    | 80                           | DCA                                     | 5/16/2008       | 30,000                     |
| 54-27641    | 80                           | DCA                                     | 12/21/2007      | 40,000                     |
| 54-27641    | 80                           | DCA                                     | 3/28/2008       | 49,000                     |
| 54-27641    | 80                           | Dichloroethane[1,2-]                    | 5/16/2008       | 60,000                     |
| 54-27641    | 80                           | Dichloroethane[1,2-]                    | 3/28/2008       | 83,000                     |
| 54-27641    | 80                           | Dichloroethane[1,2-]                    | 12/21/2007      | 68,000                     |
| 54-27641    | 80                           | DCE                                     | 5/16/2008       | 12,000                     |
| 54-27641    | 80                           | DCE                                     | 12/21/2007      | 330,000                    |
| 54-27641    | 80                           | Dichloropropane[1,2-]                   | 12/21/2007      | 4100                       |
| 54-27641    | 80                           | Hexane                                  | 12/21/2007      | 1500                       |
| 54-27641    | 80                           | Methylene Chloride                      | 5/16/2008       | 64,000                     |
| 54-27641    | 80                           | Methylene Chloride                      | 12/21/2007      | 66,000                     |
| 54-27641    | 80                           | Methylene Chloride                      | 3/28/2008       | 82,000                     |
| 54-27641    | 80                           | Propanol[2-]                            | 5/16/2008       | 14,000                     |
| 54-27641    | 80                           | PCE                                     | 3/28/2008       | 210,000                    |
| 54-27641    | 80                           | PCE                                     | 5/16/2008       | 58,000                     |
| 54-27641    | 80                           | PCE                                     | 12/21/2007      | 140,000                    |
| 54-27641    | 80                           | Tetrahydrofuran                         | 12/21/2007      | 900                        |
| 54-27641    | 80                           | Toluene                                 | 12/21/2007      | 2700                       |
| 54-27641    | 80                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/16/2008       | 26,000                     |
| 54-27641    | 80                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 34,000                     |
| 54-27641    | 80                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/28/2008       | 46,000                     |
| 54-27641    | 80                           | TCA                                     | 12/21/2007      | 920,000                    |
| 54-27641    | 80                           | TCA                                     | 5/16/2008       | 920,000                    |
| 54-27641    | 80                           | TCA                                     | 3/28/2008       | 1,500,000                  |
| 54-27641    | 80                           | TCE                                     | 3/28/2008       | 260,000                    |
| 54-27641    | 80                           | TCE                                     | 12/21/2007      | 240,000                    |
| 54-27641    | 80                           | TCE                                     | 5/16/2008       | 130,000                    |
| 54-27641    | 80                           | Freon-11                                | 5/16/2008       | 9800                       |
| 54-27641    | 80                           | Freon-11                                | 12/21/2007      | 7900                       |
| 54-27641    | 82                           | Benzene                                 | 8/22/2008       | 780                        |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27641    | 82                           | Carbon Tetrachloride                    | 8/22/2008       | 1500                       |
| 54-27641    | 82                           | Chloroform                              | 8/22/2008       | 5200                       |
| 54-27641    | 82                           | Dichlorodifluoromethane                 | 8/22/2008       | 7200                       |
| 54-27641    | 82                           | DCA                                     | 8/22/2008       | 30,000                     |
| 54-27641    | 82                           | Dichloroethane[1,2-]                    | 8/22/2008       | 71,000                     |
| 54-27641    | 82                           | DCE                                     | 8/22/2008       | 10,000                     |
| 54-27641    | 82                           | Dichloropropane[1,2-]                   | 8/22/2008       | 3300                       |
| 54-27641    | 82                           | Hexane                                  | 8/22/2008       | 1200                       |
| 54-27641    | 82                           | Methylene Chloride                      | 8/22/2008       | 47,000                     |
| 54-27641    | 82                           | PCE                                     | 8/22/2008       | 140,000                    |
| 54-27641    | 82                           | Toluene                                 | 8/22/2008       | 2200                       |
| 54-27641    | 82                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/22/2008       | 29,000                     |
| 54-27641    | 82                           | TCA                                     | 8/22/2008       | 730,000                    |
| 54-27641    | 82                           | TCE                                     | 8/22/2008       | 210,000                    |
| 54-27641    | 82                           | Freon-11                                | 8/22/2008       | 7200                       |
| 54-27641    | 110                          | Chloroform                              | 5/16/2008       | 4800                       |
| 54-27641    | 110                          | Chloroform                              | 12/21/2007      | 6700                       |
| 54-27641    | 110                          | Cyclohexane                             | 5/16/2008       | 12,000                     |
| 54-27641    | 110                          | Dichlorodifluoromethane                 | 12/21/2007      | 7900                       |
| 54-27641    | 110                          | Dichlorodifluoromethane                 | 5/16/2008       | 6900                       |
| 54-27641    | 110                          | DCA                                     | 12/21/2007      | 34,000                     |
| 54-27641    | 110                          | DCA                                     | 5/16/2008       | 27,000                     |
| 54-27641    | 110                          | DCA                                     | 3/28/2008       | 39,000                     |
| 54-27641    | 110                          | Dichloroethane[1,2-]                    | 12/21/2007      | 73,000                     |
| 54-27641    | 110                          | Dichloroethane[1,2-]                    | 5/16/2008       | 42,000                     |
| 54-27641    | 110                          | Dichloroethane[1,2-]                    | 3/28/2008       | 58,000                     |
| 54-27641    | 110                          | DCE                                     | 3/28/2008       | 24,000                     |
| 54-27641    | 110                          | DCE                                     | 12/21/2007      | 260,000                    |
| 54-27641    | 110                          | DCE                                     | 5/16/2008       | 17,000                     |
| 54-27641    | 110                          | Dichloropropane[1,2-]                   | 12/21/2007      | 4600                       |
| 54-27641    | 110                          | Methylene Chloride                      | 12/21/2007      | 37,000                     |
| 54-27641    | 110                          | Methylene Chloride                      | 3/28/2008       | 45,000                     |
| 54-27641    | 110                          | Methylene Chloride                      | 5/16/2008       | 35,000                     |
| 54-27641    | 110                          | Propanol[2-]                            | 5/16/2008       | 10,000                     |
| 54-27641    | 110                          | PCE                                     | 5/16/2008       | 34,000                     |
| 54-27641    | 110                          | PCE                                     | 12/21/2007      | 98,000                     |
| 54-27641    | 110                          | PCE                                     | 3/28/2008       | 110,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27641    | 110                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/28/2008       | 39,000                     |
| 54-27641    | 110                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 24,000                     |
| 54-27641    | 110                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/16/2008       | 26,000                     |
| 54-27641    | 110                          | TCA                                     | 12/21/2007      | 1,200,000                  |
| 54-27641    | 110                          | TCA                                     | 3/28/2008       | 1,400,000                  |
| 54-27641    | 110                          | TCA                                     | 5/16/2008       | 1,100,000                  |
| 54-27641    | 110                          | TCE                                     | 12/21/2007      | 260,000                    |
| 54-27641    | 110                          | TCE                                     | 3/28/2008       | 230,000                    |
| 54-27641    | 110                          | TCE                                     | 5/16/2008       | 130,000                    |
| 54-27641    | 110                          | Freon-11                                | 5/16/2008       | 6700                       |
| 54-27641    | 110                          | Freon-11                                | 12/21/2007      | 7000                       |
| 54-27641    | 115                          | Benzene                                 | 8/22/2008       | 690                        |
| 54-27641    | 115                          | Chloroform                              | 8/22/2008       | 5000                       |
| 54-27641    | 115                          | Dichlorodifluoromethane                 | 8/22/2008       | 5200                       |
| 54-27641    | 115                          | DCA                                     | 8/22/2008       | 25,000                     |
| 54-27641    | 115                          | Dichloroethane[1,2-]                    | 8/22/2008       | 49,000                     |
| 54-27641    | 115                          | DCE                                     | 8/22/2008       | 13,000                     |
| 54-27641    | 115                          | Dichloropropane[1,2-]                   | 8/22/2008       | 3900                       |
| 54-27641    | 115                          | Methylene Chloride                      | 8/22/2008       | 24,000                     |
| 54-27641    | 115                          | PCE                                     | 8/22/2008       | 89,000                     |
| 54-27641    | 115                          | Toluene                                 | 8/22/2008       | 960                        |
| 54-27641    | 115                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/22/2008       | 24,000                     |
| 54-27641    | 115                          | TCA                                     | 8/22/2008       | 720,000                    |
| 54-27641    | 115                          | TCE                                     | 8/22/2008       | 180,000                    |
| 54-27641    | 115                          | Freon-11                                | 8/22/2008       | 4900                       |
| 54-27641    | 180                          | Carbon Tetrachloride                    | 5/16/2008       | 760                        |
| 54-27641    | 180                          | Carbon Tetrachloride                    | 12/21/2007      | 1600                       |
| 54-27641    | 180                          | Chloroform                              | 12/21/2007      | 3400                       |
| 54-27641    | 180                          | Chloroform                              | 5/16/2008       | 600                        |
| 54-27641    | 180                          | Cyclohexane                             | 5/16/2008       | 1700                       |
| 54-27641    | 180                          | Dichlorodifluoromethane                 | 12/21/2007      | 3700                       |
| 54-27641    | 180                          | Dichlorodifluoromethane                 | 5/16/2008       | 1600                       |
| 54-27641    | 180                          | DCA                                     | 12/21/2007      | 16,000                     |
| 54-27641    | 180                          | DCA                                     | 5/16/2008       | 1700                       |
| 54-27641    | 180                          | Dichloroethane[1,2-]                    | 12/21/2007      | 9600                       |
| 54-27641    | 180                          | DCE                                     | 12/21/2007      | 210,000                    |
| 54-27641    | 180                          | DCE                                     | 5/16/2008       | 12,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27641    | 180                          | Dichloropropane[1,2-]                   | 12/21/2007      | 1600                       |
| 54-27641    | 180                          | Methylene Chloride                      | 5/16/2008       | 1800                       |
| 54-27641    | 180                          | Methylene Chloride                      | 12/21/2007      | 22,000                     |
| 54-27641    | 180                          | PCE                                     | 5/16/2008       | 5600                       |
| 54-27641    | 180                          | PCE                                     | 12/21/2007      | 21,000                     |
| 54-27641    | 180                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 27,000                     |
| 54-27641    | 180                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/16/2008       | 12,000                     |
| 54-27641    | 180                          | TCA                                     | 12/21/2007      | 550,000                    |
| 54-27641    | 180                          | TCA                                     | 5/16/2008       | 130,000                    |
| 54-27641    | 180                          | TCE                                     | 12/21/2007      | 160,000                    |
| 54-27641    | 180                          | TCE                                     | 5/16/2008       | 36,000                     |
| 54-27641    | 180                          | Freon-11                                | 5/16/2008       | 2200                       |
| 54-27641    | 180                          | Freon-11                                | 12/21/2007      | 4600                       |
| 54-27641    | 182                          | Chloroform                              | 8/22/2008       | 3100                       |
| 54-27641    | 182                          | Dichlorodifluoromethane                 | 8/22/2008       | 2600                       |
| 54-27641    | 182                          | DCA                                     | 8/22/2008       | 13,000                     |
| 54-27641    | 182                          | Dichloroethane[1,2-]                    | 8/22/2008       | 9300                       |
| 54-27641    | 182                          | DCE                                     | 8/22/2008       | 18,000                     |
| 54-27641    | 182                          | Dichloropropane[1,2-]                   | 8/22/2008       | 1500                       |
| 54-27641    | 182                          | Methylene Chloride                      | 8/22/2008       | 17,000                     |
| 54-27641    | 182                          | PCE                                     | 8/22/2008       | 25,000                     |
| 54-27641    | 182                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/22/2008       | 21,000                     |
| 54-27641    | 182                          | TCA                                     | 8/22/2008       | 550,000                    |
| 54-27641    | 182                          | TCE                                     | 8/22/2008       | 150,000                    |
| 54-27641    | 230                          | Carbon Tetrachloride                    | 12/21/2007      | 1100                       |
| 54-27641    | 230                          | Chloroform                              | 12/21/2007      | 1500                       |
| 54-27641    | 230                          | Dichlorodifluoromethane                 | 12/21/2007      | 2900                       |
| 54-27641    | 230                          | DCA                                     | 3/28/2008       | 6900                       |
| 54-27641    | 230                          | DCA                                     | 12/21/2007      | 6200                       |
| 54-27641    | 230                          | Dichloroethane[1,2-]                    | 12/21/2007      | 940                        |
| 54-27641    | 230                          | DCE                                     | 12/21/2007      | 68,000                     |
| 54-27641    | 230                          | DCE                                     | 3/28/2008       | 22,000                     |
| 54-27641    | 230                          | Methylene Chloride                      | 3/28/2008       | 8900                       |
| 54-27641    | 230                          | Methylene Chloride                      | 12/21/2007      | 7000                       |
| 54-27641    | 230                          | PCE                                     | 3/28/2008       | 15,000                     |
| 54-27641    | 230                          | PCE                                     | 12/21/2007      | 11,000                     |
| 54-27641    | 230                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/28/2008       | 25,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27641    | 230                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 23,000                     |
| 54-27641    | 230                          | TCA                                     | 3/28/2008       | 390,000                    |
| 54-27641    | 230                          | TCA                                     | 12/21/2007      | 320,000                    |
| 54-27641    | 230                          | TCE                                     | 12/21/2007      | 87,000                     |
| 54-27641    | 230                          | TCE                                     | 3/28/2008       | 82,000                     |
| 54-27641    | 230                          | Freon-11                                | 12/21/2007      | 3500                       |
| 54-27641    | 269                          | Carbon Tetrachloride                    | 5/16/2008       | 140                        |
| 54-27641    | 269                          | Carbon Tetrachloride                    | 12/21/2007      | 820                        |
| 54-27641    | 269                          | Chloroform                              | 5/16/2008       | 40                         |
| 54-27641    | 269                          | Chloroform                              | 12/21/2007      | 570                        |
| 54-27641    | 269                          | Cyclohexane                             | 5/16/2008       | 170                        |
| 54-27641    | 269                          | Dichlorodifluoromethane                 | 12/21/2007      | 2000                       |
| 54-27641    | 269                          | Dichlorodifluoromethane                 | 5/16/2008       | 330                        |
| 54-27641    | 269                          | DCA                                     | 12/21/2007      | 1800                       |
| 54-27641    | 269                          | DCA                                     | 5/16/2008       | 83                         |
| 54-27641    | 269                          | DCE                                     | 12/21/2007      | 21,000                     |
| 54-27641    | 269                          | DCE                                     | 5/16/2008       | 2500                       |
| 54-27641    | 269                          | DCE                                     | 3/28/2008       | 15,000                     |
| 54-27641    | 269                          | Hexane                                  | 12/21/2007      | 130                        |
| 54-27641    | 269                          | Methylene Chloride                      | 5/16/2008       | 53                         |
| 54-27641    | 269                          | Methylene Chloride                      | 12/21/2007      | 1600                       |
| 54-27641    | 269                          | Methylene Chloride                      | 3/28/2008       | 2400                       |
| 54-27641    | 269                          | PCE                                     | 12/21/2007      | 5400                       |
| 54-27641    | 269                          | PCE                                     | 3/28/2008       | 6100                       |
| 54-27641    | 269                          | PCE                                     | 5/16/2008       | 690                        |
| 54-27641    | 269                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/28/2008       | 19,000                     |
| 54-27641    | 269                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 18,000                     |
| 54-27641    | 269                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/16/2008       | 3800                       |
| 54-27641    | 269                          | TCA                                     | 12/21/2007      | 140,000                    |
| 54-27641    | 269                          | TCA                                     | 3/28/2008       | 140,000                    |
| 54-27641    | 269                          | TCA                                     | 5/16/2008       | 10,000                     |
| 54-27641    | 269                          | TCE                                     | 12/21/2007      | 37,000                     |
| 54-27641    | 269                          | TCE                                     | 3/28/2008       | 36,000                     |
| 54-27641    | 269                          | TCE                                     | 5/16/2008       | 3500                       |
| 54-27641    | 269                          | Freon-11                                | 5/16/2008       | 680                        |
| 54-27641    | 269                          | Freon-11                                | 12/21/2007      | 2700                       |
| 54-27641    | 271                          | Carbon Tetrachloride                    | 8/22/2008       | 700                        |



Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27641    | 271                          | Chloroform                              | 8/22/2008       | 630                        |
| 54-27641    | 271                          | Dichlorodifluoromethane                 | 8/22/2008       | 1500                       |
| 54-27641    | 271                          | DCA                                     | 8/22/2008       | 2000                       |
| 54-27641    | 271                          | DCE                                     | 8/22/2008       | 13,000                     |
| 54-27641    | 271                          | Methylene Chloride                      | 8/22/2008       | 1700                       |
| 54-27641    | 271                          | PCE                                     | 8/22/2008       | 7000                       |
| 54-27641    | 271                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/22/2008       | 15,000                     |
| 54-27641    | 271                          | TCA                                     | 8/22/2008       | 110,000                    |
| 54-27641    | 271                          | TCE                                     | 8/22/2008       | 36,000                     |
| 54-27641    | 271                          | Freon-11                                | 8/22/2008       | 2200                       |
| 54-27641    | 330                          | Carbon Tetrachloride                    | 12/21/2007      | 170                        |
| 54-27641    | 330                          | Chloroform                              | 12/21/2007      | 44                         |
| 54-27641    | 330                          | Chloroform                              | 5/16/2008       | 2800                       |
| 54-27641    | 330                          | Cyclohexane                             | 5/16/2008       | 7800                       |
| 54-27641    | 330                          | Dichlorodifluoromethane                 | 12/21/2007      | 460                        |
| 54-27641    | 330                          | Dichlorodifluoromethane                 | 5/16/2008       | 3700                       |
| 54-27641    | 330                          | Dichlorodifluoromethane                 | 3/28/2008       | 560                        |
| 54-27641    | 330                          | DCA                                     | 5/16/2008       | 14,000                     |
| 54-27641    | 330                          | DCA                                     | 12/21/2007      | 120                        |
| 54-27641    | 330                          | Dichloroethane[1,2-]                    | 5/16/2008       | 8400                       |
| 54-27641    | 330                          | Dichloroethane[1,2-]                    | 12/21/2007      | 36                         |
| 54-27641    | 330                          | DCE                                     | 5/16/2008       | 23,000                     |
| 54-27641    | 330                          | DCE                                     | 3/28/2008       | 3700                       |
| 54-27641    | 330                          | DCE                                     | 12/21/2007      | 3700                       |
| 54-27641    | 330                          | Methylene Chloride                      | 5/16/2008       | 22,000                     |
| 54-27641    | 330                          | Methylene Chloride                      | 12/21/2007      | 54                         |
| 54-27641    | 330                          | PCE                                     | 12/21/2007      | 990                        |
| 54-27641    | 330                          | PCE                                     | 3/28/2008       | 930                        |
| 54-27641    | 330                          | PCE                                     | 5/16/2008       | 16,000                     |
| 54-27641    | 330                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 3400                       |
| 54-27641    | 330                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 3/28/2008       | 6900                       |
| 54-27641    | 330                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/16/2008       | 23,000                     |
| 54-27641    | 330                          | TCA                                     | 5/16/2008       | 730,000                    |
| 54-27641    | 330                          | TCA                                     | 12/21/2007      | 9600                       |
| 54-27641    | 330                          | TCA                                     | 3/28/2008       | 16,000                     |
| 54-27641    | 330                          | TCE                                     | 5/16/2008       | 99,000                     |
| 54-27641    | 330                          | TCE                                     | 3/28/2008       | 5300                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27641    | 330                          | TCE                                     | 12/21/2007      | 4400                       |
| 54-27641    | 330                          | Freon-11                                | 5/16/2008       | 3900                       |
| 54-27641    | 330                          | Freon-11                                | 12/21/2007      | 760                        |
| 54-27641    | 330                          | Freon-11                                | 3/28/2008       | 1100                       |
| 54-27641    | 332.5                        | Carbon Tetrachloride                    | 8/22/2008       | 120                        |
| 54-27641    | 332.5                        | Dichlorodifluoromethane                 | 8/22/2008       | 290                        |
| 54-27641    | 332.5                        | DCA                                     | 8/22/2008       | 82                         |
| 54-27641    | 332.5                        | DCE                                     | 8/22/2008       | 2000                       |
| 54-27641    | 332.5                        | Methylene Chloride                      | 8/22/2008       | 48                         |
| 54-27641    | 332.5                        | PCE                                     | 8/22/2008       | 760                        |
| 54-27641    | 332.5                        | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/22/2008       | 3700                       |
| 54-27641    | 332.5                        | TCA                                     | 8/22/2008       | 8700                       |
| 54-27641    | 332.5                        | TCE                                     | 8/22/2008       | 3600                       |
| 54-27641    | 332.5                        | Freon-11                                | 8/22/2008       | 560                        |
| 54-27642    | 27.5                         | Chloroform                              | 5/19/2008       | 26,000                     |
| 54-27642    | 27.5                         | Cyclohexane                             | 5/19/2008       | 31,000                     |
| 54-27642    | 27.5                         | DCA                                     | 5/19/2008       | 44,000                     |
| 54-27642    | 27.5                         | DCA                                     | 4/2/2008        | 44,000                     |
| 54-27642    | 27.5                         | Dichloroethane[1,2-]                    | 5/19/2008       | 10,000                     |
| 54-27642    | 27.5                         | DCE                                     | 12/21/2007      | 43,000                     |
| 54-27642    | 27.5                         | DCE                                     | 4/2/2008        | 51,000                     |
| 54-27642    | 27.5                         | DCE                                     | 5/19/2008       | 45,000                     |
| 54-27642    | 27.5                         | Dichloropropane[1,2-]                   | 5/19/2008       | 73,000                     |
| 54-27642    | 27.5                         | Dichloropropane[1,2-]                   | 12/21/2007      | 76,000                     |
| 54-27642    | 27.5                         | PCE                                     | 5/19/2008       | 27,000                     |
| 54-27642    | 27.5                         | Toluene                                 | 5/19/2008       | 8300                       |
| 54-27642    | 27.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 380,000                    |
| 54-27642    | 27.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/2/2008        | 400,000                    |
| 54-27642    | 27.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/19/2008       | 370,000                    |
| 54-27642    | 27.5                         | TCA                                     | 12/21/2007      | 3,400,000                  |
| 54-27642    | 27.5                         | TCA                                     | 5/19/2008       | 3,300,000                  |
| 54-27642    | 27.5                         | TCA                                     | 4/2/2008        | 3,500,000                  |
| 54-27642    | 27.5                         | TCE                                     | 5/19/2008       | 240,000                    |
| 54-27642    | 27.5                         | TCE                                     | 4/2/2008        | 220,000                    |
| 54-27642    | 27.5                         | TCE                                     | 12/21/2007      | 250,000                    |
| 54-27642    | 27.5                         | Freon-11                                | 5/19/2008       | 14,000                     |
| 54-27642    | 30                           | Chloroform                              | 8/20/2008       | 27,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27642    | 30                           | DCA                                     | 8/20/2008       | 44,000                     |
| 54-27642    | 30                           | Dichloroethane[1,2-]                    | 8/20/2008       | 7700                       |
| 54-27642    | 30                           | DCE                                     | 8/20/2008       | 37,000                     |
| 54-27642    | 30                           | Dichloropropane[1,2-]                   | 8/20/2008       | 97,000                     |
| 54-27642    | 30                           | PCE                                     | 8/20/2008       | 56,000                     |
| 54-27642    | 30                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/20/2008       | 350,000                    |
| 54-27642    | 30                           | TCA                                     | 8/20/2008       | 2,800,000                  |
| 54-27642    | 30                           | TCE                                     | 8/20/2008       | 300,000                    |
| 54-27642    | 72.5                         | Acetone                                 | 5/19/2008       | 8600                       |
| 54-27642    | 72.5                         | Carbon Disulfide                        | 5/19/2008       | 3400                       |
| 54-27642    | 72.5                         | Carbon Tetrachloride                    | 5/19/2008       | 6900                       |
| 54-27642    | 72.5                         | Chloroform                              | 4/2/2008        | 31,000                     |
| 54-27642    | 72.5                         | Chloroform                              | 5/19/2008       | 36,000                     |
| 54-27642    | 72.5                         | Chloroform                              | 12/21/2007      | 38,000                     |
| 54-27642    | 72.5                         | Cyclohexane                             | 5/19/2008       | 18,000                     |
| 54-27642    | 72.5                         | DCA                                     | 5/19/2008       | 23,000                     |
| 54-27642    | 72.5                         | DCA                                     | 4/2/2008        | 23,000                     |
| 54-27642    | 72.5                         | DCA                                     | 12/21/2007      | 26,000                     |
| 54-27642    | 72.5                         | Dichloroethane[1,2-]                    | 12/21/2007      | 28,000                     |
| 54-27642    | 72.5                         | Dichloroethane[1,2-]                    | 5/19/2008       | 31,000                     |
| 54-27642    | 72.5                         | Dichloroethane[1,2-]                    | 4/2/2008        | 21,000                     |
| 54-27642    | 72.5                         | DCE                                     | 12/21/2007      | 69,000                     |
| 54-27642    | 72.5                         | DCE                                     | 5/19/2008       | 63,000                     |
| 54-27642    | 72.5                         | DCE                                     | 4/2/2008        | 57,000                     |
| 54-27642    | 72.5                         | Dichloropropane[1,2-]                   | 12/21/2007      | 91,000                     |
| 54-27642    | 72.5                         | Dichloropropane[1,2-]                   | 5/19/2008       | 77,000                     |
| 54-27642    | 72.5                         | Dichloropropane[1,2-]                   | 4/2/2008        | 80,000                     |
| 54-27642    | 72.5                         | Methylene Chloride                      | 4/2/2008        | 17,000                     |
| 54-27642    | 72.5                         | Methylene Chloride                      | 5/19/2008       | 25,000                     |
| 54-27642    | 72.5                         | Methylene Chloride                      | 12/21/2007      | 24,000                     |
| 54-27642    | 72.5                         | Propanol[2-]                            | 5/19/2008       | 20,000                     |
| 54-27642    | 72.5                         | PCE                                     | 5/19/2008       | 29,000                     |
| 54-27642    | 72.5                         | PCE                                     | 4/2/2008        | 36,000                     |
| 54-27642    | 72.5                         | PCE                                     | 12/21/2007      | 52,000                     |
| 54-27642    | 72.5                         | Tetrahydrofuran                         | 5/19/2008       | 19,000                     |
| 54-27642    | 72.5                         | Toluene                                 | 5/19/2008       | 8100                       |
| 54-27642    | 72.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 390,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27642    | 72.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/19/2008       | 320,000                    |
| 54-27642    | 72.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/2/2008        | 340,000                    |
| 54-27642    | 72.5                         | TCA                                     | 4/2/2008        | 1,600,000                  |
| 54-27642    | 72.5                         | TCA                                     | 5/19/2008       | 1,700,000                  |
| 54-27642    | 72.5                         | TCA                                     | 12/21/2007      | 2,100,000                  |
| 54-27642    | 72.5                         | TCE                                     | 12/21/2007      | 430,000                    |
| 54-27642    | 72.5                         | TCE                                     | 5/19/2008       | 310,000                    |
| 54-27642    | 72.5                         | TCE                                     | 4/2/2008        | 300,000                    |
| 54-27642    | 72.5                         | Freon-11                                | 12/21/2007      | 32,000                     |
| 54-27642    | 72.5                         | Freon-11                                | 4/2/2008        | 27,000                     |
| 54-27642    | 72.5                         | Freon-11                                | 5/19/2008       | 34,000                     |
| 54-27642    | 75                           | Benzene                                 | 8/20/2008       | 2900                       |
| 54-27642    | 75                           | Carbon Tetrachloride                    | 8/20/2008       | 5900                       |
| 54-27642    | 75                           | Chloroform                              | 8/20/2008       | 36,000                     |
| 54-27642    | 75                           | DCA                                     | 8/20/2008       | 22,000                     |
| 54-27642    | 75                           | Dichloroethane[1,2-]                    | 8/20/2008       | 27,000                     |
| 54-27642    | 75                           | DCE                                     | 8/20/2008       | 45,000                     |
| 54-27642    | 75                           | Dichloropropane[1,2-]                   | 8/20/2008       | 99,000                     |
| 54-27642    | 75                           | Methylene Chloride                      | 8/20/2008       | 12,000                     |
| 54-27642    | 75                           | PCE                                     | 8/20/2008       | 57,000                     |
| 54-27642    | 75                           | Tetrahydrofuran                         | 8/20/2008       | 25,000                     |
| 54-27642    | 75                           | Toluene                                 | 8/20/2008       | 2700                       |
| 54-27642    | 75                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/20/2008       | 270,000                    |
| 54-27642    | 75                           | TCA                                     | 8/20/2008       | 1,200,000                  |
| 54-27642    | 75                           | TCE                                     | 8/20/2008       | 340,000                    |
| 54-27642    | 75                           | Freon-11                                | 8/20/2008       | 24,000                     |
| 54-27642    | 113.5                        | Chloroform                              | 5/19/2008       | 55,000                     |
| 54-27642    | 113.5                        | Cyclohexane                             | 5/19/2008       | 34,000                     |
| 54-27642    | 113.5                        | DCA                                     | 5/19/2008       | 52,000                     |
| 54-27642    | 113.5                        | DCA                                     | 4/2/2008        | 39,000                     |
| 54-27642    | 113.5                        | Dichloroethane[1,2-]                    | 5/19/2008       | 39,000                     |
| 54-27642    | 113.5                        | DCE                                     | 5/19/2008       | 70,000                     |
| 54-27642    | 113.5                        | DCE                                     | 4/2/2008        | 62,000                     |
| 54-27642    | 113.5                        | DCE                                     | 12/21/2007      | 59,000                     |
| 54-27642    | 113.5                        | Dichloropropane[1,2-]                   | 4/2/2008        | 130,000                    |
| 54-27642    | 113.5                        | Dichloropropane[1,2-]                   | 5/19/2008       | 180,000                    |
| 54-27642    | 113.5                        | Dichloropropane[1,2-]                   | 12/21/2007      | 150,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27642    | 113.5                        | PCE                                     | 5/19/2008       | 88,000                     |
| 54-27642    | 113.5                        | Tetrahydrofuran                         | 5/19/2008       | 17,000                     |
| 54-27642    | 113.5                        | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 500,000                    |
| 54-27642    | 113.5                        | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/19/2008       | 570,000                    |
| 54-27642    | 113.5                        | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/2/2008        | 510,000                    |
| 54-27642    | 113.5                        | TCA                                     | 4/2/2008        | 2,800,000                  |
| 54-27642    | 113.5                        | TCA                                     | 12/21/2007      | 2,700,000                  |
| 54-27642    | 113.5                        | TCA                                     | 5/19/2008       | 3,500,000                  |
| 54-27642    | 113.5                        | TCE                                     | 4/2/2008        | 340,000                    |
| 54-27642    | 113.5                        | TCE                                     | 12/21/2007      | 430,000                    |
| 54-27642    | 113.5                        | TCE                                     | 5/19/2008       | 560,000                    |
| 54-27642    | 113.5                        | Freon-11                                | 5/19/2008       | 30,000                     |
| 54-27642    | 116                          | Carbon Tetrachloride                    | 8/20/2008       | 6200                       |
| 54-27642    | 116                          | Chloroform                              | 8/20/2008       | 40,000                     |
| 54-27642    | 116                          | DCA                                     | 8/20/2008       | 37,000                     |
| 54-27642    | 116                          | Dichloroethane[1,2-]                    | 8/20/2008       | 23,000                     |
| 54-27642    | 116                          | DCE                                     | 8/20/2008       | 42,000                     |
| 54-27642    | 116                          | Dichloropropane[1,2-]                   | 8/20/2008       | 160,000                    |
| 54-27642    | 116                          | Methylene Chloride                      | 8/20/2008       | 4900                       |
| 54-27642    | 116                          | PCE                                     | 8/20/2008       | 70,000                     |
| 54-27642    | 116                          | Tetrahydrofuran                         | 8/20/2008       | 10,000                     |
| 54-27642    | 116                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/20/2008       | 400,000                    |
| 54-27642    | 116                          | TCA                                     | 8/20/2008       | 1,900,000                  |
| 54-27642    | 116                          | TCE                                     | 8/20/2008       | 420,000                    |
| 54-27642    | 116                          | Freon-11                                | 8/20/2008       | 19,000                     |
| 54-27642    | 172.5                        | Acetone                                 | 5/19/2008       | 9000                       |
| 54-27642    | 172.5                        | Benzene                                 | 5/19/2008       | 3200                       |
| 54-27642    | 172.5                        | Carbon Disulfide                        | 5/19/2008       | 2500                       |
| 54-27642    | 172.5                        | Carbon Tetrachloride                    | 5/19/2008       | 6500                       |
| 54-27642    | 172.5                        | Chloroform                              | 5/19/2008       | 26,000                     |
| 54-27642    | 172.5                        | Cyclohexane                             | 5/19/2008       | 10,000                     |
| 54-27642    | 172.5                        | Dichlorodifluoromethane                 | 5/19/2008       | 2900                       |
| 54-27642    | 172.5                        | DCA                                     | 5/19/2008       | 11,000                     |
| 54-27642    | 172.5                        | Dichloroethane[1,2-]                    | 5/19/2008       | 17,000                     |
| 54-27642    | 172.5                        | DCE                                     | 5/19/2008       | 62,000                     |
| 54-27642    | 172.5                        | Dichloropropane[1,2-]                   | 5/19/2008       | 26,000                     |
| 54-27642    | 172.5                        | Ethanol                                 | 5/19/2008       | 6000                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27642    | 172.5                        | Hexane                                  | 5/19/2008       | 2200                       |
| 54-27642    | 172.5                        | Methylene Chloride                      | 5/19/2008       | 88,000                     |
| 54-27642    | 172.5                        | Propanol[2-]                            | 5/19/2008       | 14,000                     |
| 54-27642    | 172.5                        | PCE                                     | 5/19/2008       | 21,000                     |
| 54-27642    | 172.5                        | Toluene                                 | 5/19/2008       | 23,000                     |
| 54-27642    | 172.5                        | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/19/2008       | 220,000                    |
| 54-27642    | 172.5                        | TCA                                     | 5/19/2008       | 980,000                    |
| 54-27642    | 172.5                        | TCE                                     | 5/19/2008       | 240,000                    |
| 54-27642    | 172.5                        | Freon-11                                | 5/19/2008       | 35,000                     |
| 54-27642    | 175                          | Benzene                                 | 8/20/2008       | 4300                       |
| 54-27642    | 175                          | Carbon Tetrachloride                    | 8/20/2008       | 5700                       |
| 54-27642    | 175                          | Chlorobenzene                           | 8/20/2008       | 1500                       |
| 54-27642    | 175                          | Chloroform                              | 8/20/2008       | 27,000                     |
| 54-27642    | 175                          | Dichlorodifluoromethane                 | 8/20/2008       | 2200                       |
| 54-27642    | 175                          | DCA                                     | 8/20/2008       | 11,000                     |
| 54-27642    | 175                          | Dichloroethane[1,2-]                    | 8/20/2008       | 15,000                     |
| 54-27642    | 175                          | DCE                                     | 8/20/2008       | 49,000                     |
| 54-27642    | 175                          | Dichloropropane[1,2-]                   | 8/20/2008       | 36,000                     |
| 54-27642    | 175                          | Ethylbenzene                            | 8/20/2008       | 1300                       |
| 54-27642    | 175                          | Hexane                                  | 8/20/2008       | 2100                       |
| 54-27642    | 175                          | Methylene Chloride                      | 8/20/2008       | 69,000                     |
| 54-27642    | 175                          | PCE                                     | 8/20/2008       | 38,000                     |
| 54-27642    | 175                          | Toluene                                 | 8/20/2008       | 24,000                     |
| 54-27642    | 175                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/20/2008       | 200,000                    |
| 54-27642    | 175                          | TCA                                     | 8/20/2008       | 750,000                    |
| 54-27642    | 175                          | TCE                                     | 8/20/2008       | 250,000                    |
| 54-27642    | 175                          | Freon-11                                | 8/20/2008       | 28,000                     |
| 54-27642    | 175                          | Xylene[1,2-]                            | 8/20/2008       | 3600                       |
| 54-27642    | 175                          | Xylene[1,3-]+Xylene[1,4-]               | 8/20/2008       | 2400                       |
| 54-27642    | 232                          | Chloroform                              | 12/21/2007      | 19,000                     |
| 54-27642    | 232                          | Chloroform                              | 4/2/2008        | 18,000                     |
| 54-27642    | 232                          | DCE                                     | 12/21/2007      | 72,000                     |
| 54-27642    | 232                          | DCE                                     | 4/2/2008        | 72,000                     |
| 54-27642    | 232                          | Methylene Chloride                      | 4/2/2008        | 59,000                     |
| 54-27642    | 232                          | Methylene Chloride                      | 12/21/2007      | 63,000                     |
| 54-27642    | 232                          | PCE                                     | 4/2/2008        | 17,000                     |
| 54-27642    | 232                          | PCE                                     | 12/21/2007      | 19,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27642    | 232                          | Toluene                                 | 4/2/2008        | 11,000                     |
| 54-27642    | 232                          | Toluene                                 | 12/21/2007      | 18,000                     |
| 54-27642    | 232                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 250,000                    |
| 54-27642    | 232                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/2/2008        | 260,000                    |
| 54-27642    | 232                          | TCA                                     | 4/2/2008        | 720,000                    |
| 54-27642    | 232                          | TCA                                     | 12/21/2007      | 690,000                    |
| 54-27642    | 232                          | TCE                                     | 12/21/2007      | 210,000                    |
| 54-27642    | 232                          | TCE                                     | 4/2/2008        | 190,000                    |
| 54-27642    | 232                          | Freon-11                                | 12/21/2007      | 29,000                     |
| 54-27642    | 232                          | Freon-11                                | 4/2/2008        | 30,000                     |
| 54-27642    | 272                          | Benzene                                 | 5/19/2008       | 1700                       |
| 54-27642    | 272                          | Carbon Tetrachloride                    | 5/19/2008       | 5000                       |
| 54-27642    | 272                          | Chloroform                              | 5/19/2008       | 10,000                     |
| 54-27642    | 272                          | Chloroform                              | 4/2/2008        | 8900                       |
| 54-27642    | 272                          | Chloroform                              | 12/21/2007      | 8700                       |
| 54-27642    | 272                          | Cyclohexane                             | 5/19/2008       | 4400                       |
| 54-27642    | 272                          | Dichlorodifluoromethane                 | 5/19/2008       | 3300                       |
| 54-27642    | 272                          | DCA                                     | 5/19/2008       | 3200                       |
| 54-27642    | 272                          | DCE                                     | 4/2/2008        | 53,000                     |
| 54-27642    | 272                          | DCE                                     | 5/19/2008       | 63,000                     |
| 54-27642    | 272                          | DCE                                     | 12/21/2007      | 48,000                     |
| 54-27642    | 272                          | Dichloropropane[1,2-]                   | 5/19/2008       | 2600                       |
| 54-27642    | 272                          | Hexane                                  | 5/19/2008       | 2900                       |
| 54-27642    | 272                          | Methylene Chloride                      | 4/2/2008        | 26,000                     |
| 54-27642    | 272                          | Methylene Chloride                      | 12/21/2007      | 25,000                     |
| 54-27642    | 272                          | Methylene Chloride                      | 5/19/2008       | 34,000                     |
| 54-27642    | 272                          | Propanol[2-]                            | 5/19/2008       | 3400                       |
| 54-27642    | 272                          | PCE                                     | 5/19/2008       | 7500                       |
| 54-27642    | 272                          | PCE                                     | 4/2/2008        | 8500                       |
| 54-27642    | 272                          | PCE                                     | 12/21/2007      | 9900                       |
| 54-27642    | 272                          | Toluene                                 | 12/21/2007      | 6500                       |
| 54-27642    | 272                          | Toluene                                 | 5/19/2008       | 4000                       |
| 54-27642    | 272                          | Toluene                                 | 4/2/2008        | 4100                       |
| 54-27642    | 272                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/2/2008        | 170,000                    |
| 54-27642    | 272                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 150,000                    |
| 54-27642    | 272                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/19/2008       | 170,000                    |
| 54-27642    | 272                          | TCA                                     | 4/2/2008        | 360,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27642    | 272                          | TCA                                     | 12/21/2007      | 330,000                    |
| 54-27642    | 272                          | TCA                                     | 5/19/2008       | 400,000                    |
| 54-27642    | 272                          | TCE                                     | 5/19/2008       | 120,000                    |
| 54-27642    | 272                          | TCE                                     | 4/2/2008        | 110,000                    |
| 54-27642    | 272                          | TCE                                     | 12/21/2007      | 110,000                    |
| 54-27642    | 272                          | Freon-11                                | 5/19/2008       | 24,000                     |
| 54-27642    | 272                          | Freon-11                                | 12/21/2007      | 15,000                     |
| 54-27642    | 272                          | Freon-11                                | 4/2/2008        | 19,000                     |
| 54-27642    | 275                          | Benzene                                 | 8/20/2008       | 2300                       |
| 54-27642    | 275                          | Carbon Tetrachloride                    | 8/20/2008       | 3900                       |
| 54-27642    | 275                          | Chloroform                              | 8/20/2008       | 10,000                     |
| 54-27642    | 275                          | Dichlorodifluoromethane                 | 8/20/2008       | 2200                       |
| 54-27642    | 275                          | DCA                                     | 8/20/2008       | 2800                       |
| 54-27642    | 275                          | Dichloroethane[1,2-]                    | 8/20/2008       | 470                        |
| 54-27642    | 275                          | DCE                                     | 8/20/2008       | 44,000                     |
| 54-27642    | 275                          | Dichloropropane[1,2-]                   | 8/20/2008       | 3200                       |
| 54-27642    | 275                          | Hexane                                  | 8/20/2008       | 2500                       |
| 54-27642    | 275                          | Methylene Chloride                      | 8/20/2008       | 25,000                     |
| 54-27642    | 275                          | PCE                                     | 8/20/2008       | 15,000                     |
| 54-27642    | 275                          | Toluene                                 | 8/20/2008       | 5100                       |
| 54-27642    | 275                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/20/2008       | 130,000                    |
| 54-27642    | 275                          | TCA                                     | 8/20/2008       | 280,000                    |
| 54-27642    | 275                          | TCE                                     | 8/20/2008       | 120,000                    |
| 54-27642    | 275                          | Freon-11                                | 8/20/2008       | 18,000                     |
| 54-27642    | 335                          | Benzene                                 | 5/19/2008       | 460                        |
| 54-27642    | 335                          | Carbon Tetrachloride                    | 5/19/2008       | 1900                       |
| 54-27642    | 335                          | Chloroform                              | 5/19/2008       | 1300                       |
| 54-27642    | 335                          | Chloroform                              | 12/21/2007      | 1600                       |
| 54-27642    | 335                          | Cyclohexane                             | 5/19/2008       | 960                        |
| 54-27642    | 335                          | Dichlorodifluoromethane                 | 5/19/2008       | 1400                       |
| 54-27642    | 335                          | DCA                                     | 5/19/2008       | 420                        |
| 54-27642    | 335                          | DCE                                     | 4/2/2008        | 21,000                     |
| 54-27642    | 335                          | DCE                                     | 5/19/2008       | 22,000                     |
| 54-27642    | 335                          | DCE                                     | 12/21/2007      | 24,000                     |
| 54-27642    | 335                          | Hexane                                  | 5/19/2008       | 1100                       |
| 54-27642    | 335                          | Methylene Chloride                      | 4/2/2008        | 2700                       |
| 54-27642    | 335                          | Methylene Chloride                      | 12/21/2007      | 3400                       |



Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27642    | 335                          | Methylene Chloride                      | 5/19/2008       | 2900                       |
| 54-27642    | 335                          | PCE                                     | 12/21/2007      | 2600                       |
| 54-27642    | 335                          | PCE                                     | 5/19/2008       | 2700                       |
| 54-27642    | 335                          | Toluene                                 | 5/19/2008       | 580                        |
| 54-27642    | 335                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 5/19/2008       | 49,000                     |
| 54-27642    | 335                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 4/2/2008        | 47,000                     |
| 54-27642    | 335                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 53,000                     |
| 54-27642    | 335                          | TCA                                     | 5/19/2008       | 77,000                     |
| 54-27642    | 335                          | TCA                                     | 4/2/2008        | 69,000                     |
| 54-27642    | 335                          | TCA                                     | 12/21/2007      | 89,000                     |
| 54-27642    | 335                          | TCE                                     | 12/21/2007      | 35,000                     |
| 54-27642    | 335                          | TCE                                     | 5/19/2008       | 32,000                     |
| 54-27642    | 335                          | TCE                                     | 4/2/2008        | 24,000                     |
| 54-27642    | 335                          | Freon-11                                | 5/19/2008       | 5500                       |
| 54-27642    | 335                          | Freon-11                                | 12/21/2007      | 5000                       |
| 54-27642    | 335                          | Freon-11                                | 4/2/2008        | 4500                       |
| 54-27642    | 338                          | Benzene                                 | 8/20/2008       | 580                        |
| 54-27642    | 338                          | Carbon Tetrachloride                    | 8/20/2008       | 1500                       |
| 54-27642    | 338                          | Chloroform                              | 8/20/2008       | 1400                       |
| 54-27642    | 338                          | Dichlorodifluoromethane                 | 8/20/2008       | 980                        |
| 54-27642    | 338                          | DCA                                     | 8/20/2008       | 420                        |
| 54-27642    | 338                          | Dichloroethane[1,2-]                    | 8/20/2008       | 77                         |
| 54-27642    | 338                          | DCE                                     | 8/20/2008       | 16,000                     |
| 54-27642    | 338                          | Dichloropropane[1,2-]                   | 8/20/2008       | 380                        |
| 54-27642    | 338                          | Hexane                                  | 8/20/2008       | 1000                       |
| 54-27642    | 338                          | Methylene Chloride                      | 8/20/2008       | 2600                       |
| 54-27642    | 338                          | PCE                                     | 8/20/2008       | 3000                       |
| 54-27642    | 338                          | Toluene                                 | 8/20/2008       | 560                        |
| 54-27642    | 338                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/20/2008       | 33,000                     |
| 54-27642    | 338                          | TCA                                     | 8/20/2008       | 56,000                     |
| 54-27642    | 338                          | TCE                                     | 8/20/2008       | 26,000                     |
| 54-27642    | 338                          | Freon-11                                | 8/20/2008       | 4500                       |
| 54-27643    | 27.5                         | Carbon Tetrachloride                    | 12/21/2007      | 3100                       |
| 54-27643    | 27.5                         | Carbon Tetrachloride                    | 6/4/2008        | 2500                       |
| 54-27643    | 27.5                         | Chloroform                              | 6/4/2008        | 9500                       |
| 54-27643    | 27.5                         | Chloroform                              | 12/21/2007      | 13,000                     |
| 54-27643    | 27.5                         | Chloroform                              | 4/7/2008        | 8600                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27643    | 27.5                         | Cyclohexane                             | 6/4/2008        | 4600                       |
| 54-27643    | 27.5                         | Dichlorodifluoromethane                 | 6/4/2008        | 550                        |
| 54-27643    | 27.5                         | Dichlorodifluoromethane                 | 12/21/2007      | 800                        |
| 54-27643    | 27.5                         | DCA                                     | 12/21/2007      | 6000                       |
| 54-27643    | 27.5                         | DCA                                     | 4/7/2008        | 4400                       |
| 54-27643    | 27.5                         | DCA                                     | 6/4/2008        | 5200                       |
| 54-27643    | 27.5                         | Dichloroethane[1,2-]                    | 6/4/2008        | 3300                       |
| 54-27643    | 27.5                         | Dichloroethane[1,2-]                    | 12/21/2007      | 5200                       |
| 54-27643    | 27.5                         | DCE                                     | 6/4/2008        | 63,000                     |
| 54-27643    | 27.5                         | DCE                                     | 12/21/2007      | 100,000                    |
| 54-27643    | 27.5                         | Dichloropropane[1,2-]                   | 4/7/2008        | 20,000                     |
| 54-27643    | 27.5                         | Dichloropropane[1,2-]                   | 12/21/2007      | 25,000                     |
| 54-27643    | 27.5                         | Dichloropropane[1,2-]                   | 6/4/2008        | 21,000                     |
| 54-27643    | 27.5                         | Methylene Chloride                      | 12/21/2007      | 410                        |
| 54-27643    | 27.5                         | PCE                                     | 12/21/2007      | 28,000                     |
| 54-27643    | 27.5                         | PCE                                     | 4/7/2008        | 15,000                     |
| 54-27643    | 27.5                         | PCE                                     | 6/4/2008        | 20,000                     |
| 54-27643    | 27.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/4/2008        | 56,000                     |
| 54-27643    | 27.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 54,000                     |
| 54-27643    | 27.5                         | TCA                                     | 4/7/2008        | 370,000                    |
| 54-27643    | 27.5                         | TCA                                     | 6/4/2008        | 330,000                    |
| 54-27643    | 27.5                         | TCA                                     | 12/21/2007      | 340,000                    |
| 54-27643    | 27.5                         | TCE                                     | 12/21/2007      | 93,000                     |
| 54-27643    | 27.5                         | TCE                                     | 6/4/2008        | 69,000                     |
| 54-27643    | 27.5                         | Freon-11                                | 6/4/2008        | 6700                       |
| 54-27643    | 27.5                         | Freon-11                                | 12/21/2007      | 10,000                     |
| 54-27643    | 30                           | Carbon Tetrachloride                    | 8/12/2008       | 2300                       |
| 54-27643    | 30                           | Chloroform                              | 8/12/2008       | 9800                       |
| 54-27643    | 30                           | DCA                                     | 8/12/2008       | 5300                       |
| 54-27643    | 30                           | Dichloroethane[1,2-]                    | 8/12/2008       | 3400                       |
| 54-27643    | 30                           | DCE                                     | 8/12/2008       | 7600                       |
| 54-27643    | 30                           | Dichloropropane[1,2-]                   | 8/12/2008       | 22,000                     |
| 54-27643    | 30                           | PCE                                     | 8/12/2008       | 19,000                     |
| 54-27643    | 30                           | Toluene                                 | 8/12/2008       | 1500                       |
| 54-27643    | 30                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/12/2008       | 66,000                     |
| 54-27643    | 30                           | TCA                                     | 8/12/2008       | 420,000                    |
| 54-27643    | 30                           | TCE                                     | 8/12/2008       | 70,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27643    | 30                           | Freon-11                                | 8/12/2008       | 6200                       |
| 54-27643    | 71.5                         | Benzene                                 | 6/4/2008        | 750                        |
| 54-27643    | 71.5                         | Benzene                                 | 12/21/2007      | 1100                       |
| 54-27643    | 71.5                         | Carbon Tetrachloride                    | 6/4/2008        | 3100                       |
| 54-27643    | 71.5                         | Carbon Tetrachloride                    | 12/21/2007      | 4300                       |
| 54-27643    | 71.5                         | Chlorobenzene                           | 12/21/2007      | 980                        |
| 54-27643    | 71.5                         | Chlorobenzene                           | 6/4/2008        | 740                        |
| 54-27643    | 71.5                         | Chloroform                              | 6/4/2008        | 13,000                     |
| 54-27643    | 71.5                         | Chloroform                              | 4/7/2008        | 14,000                     |
| 54-27643    | 71.5                         | Chloroform                              | 12/21/2007      | 19,000                     |
| 54-27643    | 71.5                         | Cyclohexane                             | 6/4/2008        | 5800                       |
| 54-27643    | 71.5                         | Dichlorodifluoromethane                 | 12/21/2007      | 1200                       |
| 54-27643    | 71.5                         | Dichlorodifluoromethane                 | 6/4/2008        | 800                        |
| 54-27643    | 71.5                         | DCA                                     | 12/21/2007      | 7900                       |
| 54-27643    | 71.5                         | DCA                                     | 6/4/2008        | 6000                       |
| 54-27643    | 71.5                         | Dichloroethane[1,2-]                    | 6/4/2008        | 7800                       |
| 54-27643    | 71.5                         | Dichloroethane[1,2-]                    | 4/7/2008        | 9000                       |
| 54-27643    | 71.5                         | Dichloroethane[1,2-]                    | 12/21/2007      | 13,000                     |
| 54-27643    | 71.5                         | DCE                                     | 6/4/2008        | 63,000                     |
| 54-27643    | 71.5                         | DCE                                     | 12/21/2007      | 130,000                    |
| 54-27643    | 71.5                         | Dichloropropane[1,2-]                   | 6/4/2008        | 28,000                     |
| 54-27643    | 71.5                         | Dichloropropane[1,2-]                   | 4/7/2008        | 29,000                     |
| 54-27643    | 71.5                         | Dichloropropane[1,2-]                   | 12/21/2007      | 32,000                     |
| 54-27643    | 71.5                         | Ethanol                                 | 6/4/2008        | 2400                       |
| 54-27643    | 71.5                         | Methylene Chloride                      | 6/4/2008        | 6600                       |
| 54-27643    | 71.5                         | Methylene Chloride                      | 12/21/2007      | 10,000                     |
| 54-27643    | 71.5                         | PCE                                     | 6/4/2008        | 24,000                     |
| 54-27643    | 71.5                         | PCE                                     | 12/21/2007      | 30,000                     |
| 54-27643    | 71.5                         | PCE                                     | 4/7/2008        | 20,000                     |
| 54-27643    | 71.5                         | Tetrahydrofuran                         | 6/4/2008        | 20,000                     |
| 54-27643    | 71.5                         | Tetrahydrofuran                         | 12/21/2007      | 20,000                     |
| 54-27643    | 71.5                         | Toluene                                 | 6/4/2008        | 1500                       |
| 54-27643    | 71.5                         | Toluene                                 | 12/21/2007      | 1900                       |
| 54-27643    | 71.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 78,000                     |
| 54-27643    | 71.5                         | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/4/2008        | 70,000                     |
| 54-27643    | 71.5                         | TCA                                     | 4/7/2008        | 530,000                    |
| 54-27643    | 71.5                         | TCA                                     | 6/4/2008        | 420,000                    |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27643    | 71.5                         | TCA                                     | 12/21/2007      | 470,000                    |
| 54-27643    | 71.5                         | TCE                                     | 12/21/2007      | 130,000                    |
| 54-27643    | 71.5                         | TCE                                     | 4/7/2008        | 98,000                     |
| 54-27643    | 71.5                         | TCE                                     | 6/4/2008        | 97,000                     |
| 54-27643    | 71.5                         | Freon-11                                | 6/4/2008        | 10,000                     |
| 54-27643    | 71.5                         | Freon-11                                | 12/21/2007      | 18,000                     |
| 54-27643    | 71.5                         | Xylene[1,2-]                            | 6/4/2008        | 1300                       |
| 54-27643    | 71.5                         | Xylene[1,2-]                            | 12/21/2007      | 1800                       |
| 54-27643    | 74                           | Carbon Tetrachloride                    | 8/12/2008       | 3000                       |
| 54-27643    | 74                           | Chloroform                              | 8/12/2008       | 15,000                     |
| 54-27643    | 74                           | DCA                                     | 8/12/2008       | 6800                       |
| 54-27643    | 74                           | Dichloroethane[1,2-]                    | 8/12/2008       | 9200                       |
| 54-27643    | 74                           | DCE                                     | 8/12/2008       | 15,000                     |
| 54-27643    | 74                           | Dichloropropane[1,2-]                   | 8/12/2008       | 31,000                     |
| 54-27643    | 74                           | Methylene Chloride                      | 8/12/2008       | 7400                       |
| 54-27643    | 74                           | PCE                                     | 8/12/2008       | 24,000                     |
| 54-27643    | 74                           | Tetrahydrofuran                         | 8/12/2008       | 20,000                     |
| 54-27643    | 74                           | Toluene                                 | 8/12/2008       | 3100                       |
| 54-27643    | 74                           | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/12/2008       | 99,000                     |
| 54-27643    | 74                           | TCA                                     | 8/12/2008       | 570,000                    |
| 54-27643    | 74                           | TCE                                     | 8/12/2008       | 110,000                    |
| 54-27643    | 74                           | Freon-11                                | 8/12/2008       | 13,000                     |
| 54-27643    | 114.5                        | Benzene                                 | 12/21/2007      | 1800                       |
| 54-27643    | 114.5                        | Benzene                                 | 6/4/2008        | 1400                       |
| 54-27643    | 114.5                        | Carbon Tetrachloride                    | 6/4/2008        | 3600                       |
| 54-27643    | 114.5                        | Carbon Tetrachloride                    | 12/21/2007      | 4400                       |
| 54-27643    | 114.5                        | Chlorobenzene                           | 12/21/2007      | 1100                       |
| 54-27643    | 114.5                        | Chlorobenzene                           | 6/4/2008        | 970                        |
| 54-27643    | 114.5                        | Chloroform                              | 12/21/2007      | 22,000                     |
| 54-27643    | 114.5                        | Chloroform                              | 4/7/2008        | 17,000                     |
| 54-27643    | 114.5                        | Chloroform                              | 6/4/2008        | 17,000                     |
| 54-27643    | 114.5                        | Cyclohexane                             | 6/4/2008        | 6700                       |
| 54-27643    | 114.5                        | Dichlorodifluoromethane                 | 6/4/2008        | 1200                       |
| 54-27643    | 114.5                        | Dichlorodifluoromethane                 | 12/21/2007      | 1700                       |
| 54-27643    | 114.5                        | DCA                                     | 12/21/2007      | 7900                       |
| 54-27643    | 114.5                        | DCA                                     | 6/4/2008        | 7000                       |
| 54-27643    | 114.5                        | Dichloroethane[1,2-]                    | 12/21/2007      | 16,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27643    | 114.5                        | Dichloroethane[1,2-]                    | 6/4/2008        | 11,000                     |
| 54-27643    | 114.5                        | Dichloroethane[1,2-]                    | 4/7/2008        | 11,000                     |
| 54-27643    | 114.5                        | DCE                                     | 12/21/2007      | 140,000                    |
| 54-27643    | 114.5                        | DCE                                     | 6/4/2008        | 86,000                     |
| 54-27643    | 114.5                        | Dichloropropane[1,2-]                   | 6/4/2008        | 29,000                     |
| 54-27643    | 114.5                        | Dichloropropane[1,2-]                   | 12/21/2007      | 30,000                     |
| 54-27643    | 114.5                        | Dichloropropane[1,2-]                   | 4/7/2008        | 25,000                     |
| 54-27643    | 114.5                        | Ethanol                                 | 6/4/2008        | 3700                       |
| 54-27643    | 114.5                        | Hexane                                  | 12/21/2007      | 520                        |
| 54-27643    | 114.5                        | Hexane                                  | 6/4/2008        | 380                        |
| 54-27643    | 114.5                        | Methylene Chloride                      | 6/4/2008        | 19,000                     |
| 54-27643    | 114.5                        | Methylene Chloride                      | 4/7/2008        | 22,000                     |
| 54-27643    | 114.5                        | Methylene Chloride                      | 12/21/2007      | 26,000                     |
| 54-27643    | 114.5                        | PCE                                     | 6/4/2008        | 25,000                     |
| 54-27643    | 114.5                        | PCE                                     | 12/21/2007      | 28,000                     |
| 54-27643    | 114.5                        | PCE                                     | 4/7/2008        | 18,000                     |
| 54-27643    | 114.5                        | Tetrahydrofuran                         | 12/21/2007      | 2100                       |
| 54-27643    | 114.5                        | Tetrahydrofuran                         | 6/4/2008        | 2000                       |
| 54-27643    | 114.5                        | Toluene                                 | 12/21/2007      | 6000                       |
| 54-27643    | 114.5                        | Toluene                                 | 6/4/2008        | 4600                       |
| 54-27643    | 114.5                        | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 98,000                     |
| 54-27643    | 114.5                        | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/4/2008        | 100,000                    |
| 54-27643    | 114.5                        | TCA                                     | 4/7/2008        | 580,000                    |
| 54-27643    | 114.5                        | TCA                                     | 6/4/2008        | 490,000                    |
| 54-27643    | 114.5                        | TCA                                     | 12/21/2007      | 500,000                    |
| 54-27643    | 114.5                        | TCE                                     | 4/7/2008        | 120,000                    |
| 54-27643    | 114.5                        | TCE                                     | 6/4/2008        | 130,000                    |
| 54-27643    | 114.5                        | TCE                                     | 12/21/2007      | 150,000                    |
| 54-27643    | 114.5                        | Freon-11                                | 6/4/2008        | 16,000                     |
| 54-27643    | 114.5                        | Freon-11                                | 12/21/2007      | 23,000                     |
| 54-27643    | 114.5                        | Xylene[1,2-]                            | 6/4/2008        | 2200                       |
| 54-27643    | 114.5                        | Xylene[1,2-]                            | 12/21/2007      | 2500                       |
| 54-27643    | 117                          | Benzene                                 | 8/12/2008       | 1400                       |
| 54-27643    | 117                          | Carbon Tetrachloride                    | 8/12/2008       | 3200                       |
| 54-27643    | 117                          | Chloroform                              | 8/12/2008       | 16,000                     |
| 54-27643    | 117                          | DCA                                     | 8/12/2008       | 6600                       |
| 54-27643    | 117                          | Dichloroethane[1,2-]                    | 8/12/2008       | 9600                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27643    | 117                          | DCE                                     | 8/12/2008       | 20,000                     |
| 54-27643    | 117                          | Dichloropropane[1,2-]                   | 8/12/2008       | 24,000                     |
| 54-27643    | 117                          | Methylene Chloride                      | 8/12/2008       | 18,000                     |
| 54-27643    | 117                          | PCE                                     | 8/12/2008       | 18,000                     |
| 54-27643    | 117                          | Tetrahydrofuran                         | 8/12/2008       | 1900                       |
| 54-27643    | 117                          | Toluene                                 | 8/12/2008       | 5100                       |
| 54-27643    | 117                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/12/2008       | 110,000                    |
| 54-27643    | 117                          | TCA                                     | 8/12/2008       | 510,000                    |
| 54-27643    | 117                          | TCE                                     | 8/12/2008       | 120,000                    |
| 54-27643    | 117                          | Freon-11                                | 8/12/2008       | 14,000                     |
| 54-27643    | 164                          | Benzene                                 | 6/4/2008        | 2000                       |
| 54-27643    | 164                          | Carbon Tetrachloride                    | 6/4/2008        | 3800                       |
| 54-27643    | 164                          | Chlorobenzene                           | 6/4/2008        | 710                        |
| 54-27643    | 164                          | Chloroform                              | 6/4/2008        | 18,000                     |
| 54-27643    | 164                          | Cyclohexane                             | 6/4/2008        | 5600                       |
| 54-27643    | 164                          | Dichlorodifluoromethane                 | 6/4/2008        | 1800                       |
| 54-27643    | 164                          | DCA                                     | 6/4/2008        | 5500                       |
| 54-27643    | 164                          | Dichloroethane[1,2-]                    | 6/4/2008        | 8500                       |
| 54-27643    | 164                          | DCE                                     | 6/4/2008        | 100,000                    |
| 54-27643    | 164                          | Dichloropropane[1,2-]                   | 6/4/2008        | 19,000                     |
| 54-27643    | 164                          | Ethanol                                 | 6/4/2008        | 1300                       |
| 54-27643    | 164                          | Hexane                                  | 6/4/2008        | 1100                       |
| 54-27643    | 164                          | Methylene Chloride                      | 6/4/2008        | 35,000                     |
| 54-27643    | 164                          | PCE                                     | 6/4/2008        | 20,000                     |
| 54-27643    | 164                          | Toluene                                 | 6/4/2008        | 6400                       |
| 54-27643    | 164                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/4/2008        | 120,000                    |
| 54-27643    | 164                          | TCA                                     | 6/4/2008        | 400,000                    |
| 54-27643    | 164                          | TCE                                     | 6/4/2008        | 140,000                    |
| 54-27643    | 164                          | Freon-11                                | 6/4/2008        | 18,000                     |
| 54-27643    | 164                          | Xylene[1,2-]                            | 6/4/2008        | 1800                       |
| 54-27643    | 167                          | Benzene                                 | 8/12/2008       | 1800                       |
| 54-27643    | 167                          | Carbon Tetrachloride                    | 8/12/2008       | 3100                       |
| 54-27643    | 167                          | Chloroform                              | 8/12/2008       | 14,000                     |
| 54-27643    | 167                          | DCA                                     | 8/12/2008       | 4800                       |
| 54-27643    | 167                          | Dichloroethane[1,2-]                    | 8/12/2008       | 7100                       |
| 54-27643    | 167                          | DCE                                     | 8/12/2008       | 27,000                     |
| 54-27643    | 167                          | Dichloropropane[1,2-]                   | 8/12/2008       | 15,000                     |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27643    | 167                          | Methylene Chloride                      | 8/12/2008       | 30,000                     |
| 54-27643    | 167                          | PCE                                     | 8/12/2008       | 14,000                     |
| 54-27643    | 167                          | Toluene                                 | 8/12/2008       | 7000                       |
| 54-27643    | 167                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/12/2008       | 120,000                    |
| 54-27643    | 167                          | TCA                                     | 8/12/2008       | 440,000                    |
| 54-27643    | 167                          | TCE                                     | 8/12/2008       | 110,000                    |
| 54-27643    | 167                          | Freon-11                                | 8/12/2008       | 17,000                     |
| 54-27643    | 232.5                        | Benzene                                 | 12/21/2007      | 2700                       |
| 54-27643    | 232.5                        | Carbon Tetrachloride                    | 12/21/2007      | 4700                       |
| 54-27643    | 232.5                        | Chloroform                              | 12/21/2007      | 16,000                     |
| 54-27643    | 232.5                        | Chloroform                              | 4/7/2008        | 12,000                     |
| 54-27643    | 232.5                        | Dichlorodifluoromethane                 | 12/21/2007      | 3000                       |
| 54-27643    | 232.5                        | DCA                                     | 12/21/2007      | 3600                       |
| 54-27643    | 232.5                        | Dichloroethane[1,2-]                    | 12/21/2007      | 2700                       |
| 54-27643    | 232.5                        | DCE                                     | 12/21/2007      | 91,000                     |
| 54-27643    | 232.5                        | Dichloropropane[1,2-]                   | 12/21/2007      | 7400                       |
| 54-27643    | 232.5                        | Hexane                                  | 12/21/2007      | 2200                       |
| 54-27643    | 232.5                        | Methylene Chloride                      | 12/21/2007      | 37,000                     |
| 54-27643    | 232.5                        | Methylene Chloride                      | 4/7/2008        | 31,000                     |
| 54-27643    | 232.5                        | PCE                                     | 12/21/2007      | 16,000                     |
| 54-27643    | 232.5                        | PCE                                     | 4/7/2008        | 9500                       |
| 54-27643    | 232.5                        | Toluene                                 | 12/21/2007      | 9100                       |
| 54-27643    | 232.5                        | Toluene                                 | 4/7/2008        | 4700                       |
| 54-27643    | 232.5                        | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 120,000                    |
| 54-27643    | 232.5                        | TCA                                     | 4/7/2008        | 350,000                    |
| 54-27643    | 232.5                        | TCA                                     | 12/21/2007      | 360,000                    |
| 54-27643    | 232.5                        | TCE                                     | 4/7/2008        | 99,000                     |
| 54-27643    | 232.5                        | TCE                                     | 12/21/2007      | 140,000                    |
| 54-27643    | 232.5                        | Freon-11                                | 12/21/2007      | 22,000                     |
| 54-27643    | 232.5                        | Freon-11                                | 4/7/2008        | 16,000                     |
| 54-27643    | 272.5                        | Benzene                                 | 4/7/2008        | 1300                       |
| 54-27643    | 272.5                        | Benzene                                 | 12/21/2007      | 1800                       |
| 54-27643    | 272.5                        | Benzene                                 | 6/4/2008        | 1200                       |
| 54-27643    | 272.5                        | Carbon Tetrachloride                    | 4/7/2008        | 3000                       |
| 54-27643    | 272.5                        | Carbon Tetrachloride                    | 12/21/2007      | 3800                       |
| 54-27643    | 272.5                        | Carbon Tetrachloride                    | 6/4/2008        | 2900                       |
| 54-27643    | 272.5                        | Chloroform                              | 4/7/2008        | 9700                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27643    | 272.5                        | Chloroform                              | 12/21/2007      | 9900                       |
| 54-27643    | 272.5                        | Chloroform                              | 6/4/2008        | 7400                       |
| 54-27643    | 272.5                        | Cyclohexane                             | 6/4/2008        | 2600                       |
| 54-27643    | 272.5                        | Dichlorodifluoromethane                 | 12/21/2007      | 2700                       |
| 54-27643    | 272.5                        | Dichlorodifluoromethane                 | 6/4/2008        | 1900                       |
| 54-27643    | 272.5                        | DCA                                     | 12/21/2007      | 2100                       |
| 54-27643    | 272.5                        | DCA                                     | 6/4/2008        | 1800                       |
| 54-27643    | 272.5                        | DCA                                     | 4/7/2008        | 2300                       |
| 54-27643    | 272.5                        | Dichloroethane[1,2-]                    | 4/7/2008        | 340                        |
| 54-27643    | 272.5                        | Dichloroethane[1,2-]                    | 6/4/2008        | 300                        |
| 54-27643    | 272.5                        | Dichloroethane[1,2-]                    | 12/21/2007      | 490                        |
| 54-27643    | 272.5                        | DCE                                     | 12/21/2007      | 88,000                     |
| 54-27643    | 272.5                        | DCE                                     | 6/4/2008        | 59,000                     |
| 54-27643    | 272.5                        | Dichloropropane[1,2-]                   | 12/21/2007      | 2400                       |
| 54-27643    | 272.5                        | Dichloropropane[1,2-]                   | 6/4/2008        | 1900                       |
| 54-27643    | 272.5                        | Dichloropropane[1,2-]                   | 4/7/2008        | 2300                       |
| 54-27643    | 272.5                        | Ethyltoluene[4-]                        | 6/4/2008        | 600                        |
| 54-27643    | 272.5                        | Hexane                                  | 12/21/2007      | 2200                       |
| 54-27643    | 272.5                        | Hexane                                  | 6/4/2008        | 1500                       |
| 54-27643    | 272.5                        | Methylene Chloride                      | 4/7/2008        | 17,000                     |
| 54-27643    | 272.5                        | Methylene Chloride                      | 12/21/2007      | 22,000                     |
| 54-27643    | 272.5                        | Methylene Chloride                      | 6/4/2008        | 17,000                     |
| 54-27643    | 272.5                        | PCE                                     | 6/4/2008        | 8200                       |
| 54-27643    | 272.5                        | PCE                                     | 4/7/2008        | 8200                       |
| 54-27643    | 272.5                        | PCE                                     | 12/21/2007      | 11,000                     |
| 54-27643    | 272.5                        | Toluene                                 | 6/4/2008        | 2500                       |
| 54-27643    | 272.5                        | Toluene                                 | 12/21/2007      | 4600                       |
| 54-27643    | 272.5                        | Toluene                                 | 4/7/2008        | 2800                       |
| 54-27643    | 272.5                        | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/4/2008        | 90,000                     |
| 54-27643    | 272.5                        | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 96,000                     |
| 54-27643    | 272.5                        | TCA                                     | 6/4/2008        | 170,000                    |
| 54-27643    | 272.5                        | TCA                                     | 12/21/2007      | 190,000                    |
| 54-27643    | 272.5                        | TCE                                     | 12/21/2007      | 99,000                     |
| 54-27643    | 272.5                        | TCE                                     | 6/4/2008        | 75,000                     |
| 54-27643    | 272.5                        | Freon-11                                | 6/4/2008        | 11,000                     |
| 54-27643    | 272.5                        | Freon-11                                | 12/21/2007      | 17,000                     |
| 54-27643    | 272.5                        | Trimethylbenzene[1,2,4-]                | 6/4/2008        | 650                        |



Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27643    | 272.5                        | Trimethylbenzene[1,3,5-]                | 6/4/2008        | 380                        |
| 54-27643    | 275                          | Benzene                                 | 8/12/2008       | 1500                       |
| 54-27643    | 275                          | Carbon Tetrachloride                    | 8/12/2008       | 3200                       |
| 54-27643    | 275                          | Chloroform                              | 8/12/2008       | 8700                       |
| 54-27643    | 275                          | Dichlorodifluoromethane                 | 8/12/2008       | 1900                       |
| 54-27643    | 275                          | DCA                                     | 8/12/2008       | 2100                       |
| 54-27643    | 275                          | DCE                                     | 8/12/2008       | 39,000                     |
| 54-27643    | 275                          | Dichloropropane[1,2-]                   | 8/12/2008       | 2000                       |
| 54-27643    | 275                          | Hexane                                  | 8/12/2008       | 1900                       |
| 54-27643    | 275                          | Methylene Chloride                      | 8/12/2008       | 22,000                     |
| 54-27643    | 275                          | PCE                                     | 8/12/2008       | 8800                       |
| 54-27643    | 275                          | Toluene                                 | 8/12/2008       | 4300                       |
| 54-27643    | 275                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/12/2008       | 130,000                    |
| 54-27643    | 275                          | TCA                                     | 8/12/2008       | 250,000                    |
| 54-27643    | 275                          | TCE                                     | 8/12/2008       | 86,000                     |
| 54-27643    | 275                          | Freon-11                                | 8/12/2008       | 14,000                     |
| 54-27643    | 351                          | Benzene                                 | 12/21/2007      | 480                        |
| 54-27643    | 351                          | Benzene                                 | 6/4/2008        | 390                        |
| 54-27643    | 351                          | Carbon Tetrachloride                    | 6/4/2008        | 1200                       |
| 54-27643    | 351                          | Carbon Tetrachloride                    | 12/21/2007      | 1800                       |
| 54-27643    | 351                          | Chloroform                              | 12/21/2007      | 1400                       |
| 54-27643    | 351                          | Chloroform                              | 6/4/2008        | 1000                       |
| 54-27643    | 351                          | Cyclohexane                             | 6/4/2008        | 860                        |
| 54-27643    | 351                          | Dichlorodifluoromethane                 | 12/21/2007      | 1500                       |
| 54-27643    | 351                          | Dichlorodifluoromethane                 | 6/4/2008        | 1000                       |
| 54-27643    | 351                          | DCA                                     | 12/21/2007      | 320                        |
| 54-27643    | 351                          | DCA                                     | 6/4/2008        | 280                        |
| 54-27643    | 351                          | DCE                                     | 12/21/2007      | 21,000                     |
| 54-27643    | 351                          | DCE                                     | 6/4/2008        | 16,000                     |
| 54-27643    | 351                          | Dichloropropane[1,2-]                   | 12/21/2007      | 87                         |
| 54-27643    | 351                          | Dichloropropane[1,2-]                   | 6/4/2008        | 74                         |
| 54-27643    | 351                          | Hexane                                  | 6/4/2008        | 920                        |
| 54-27643    | 351                          | Hexane                                  | 12/21/2007      | 1200                       |
| 54-27643    | 351                          | Methylene Chloride                      | 6/4/2008        | 1700                       |
| 54-27643    | 351                          | Methylene Chloride                      | 12/21/2007      | 2200                       |
| 54-27643    | 351                          | PCE                                     | 12/21/2007      | 2700                       |
| 54-27643    | 351                          | PCE                                     | 6/4/2008        | 2200                       |

Table 5.1-1 (continued)

| Borehole ID | Sampling Port Depth (ft bgs) | Analyte                                 | Collection Date | SUMMA TO-15 Result (µg/m³) |
|-------------|------------------------------|-----------------------------------------|-----------------|----------------------------|
| 54-27643    | 351                          | Toluene                                 | 12/21/2007      | 530                        |
| 54-27643    | 351                          | Toluene                                 | 6/4/2008        | 420                        |
| 54-27643    | 351                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 6/4/2008        | 34,000                     |
| 54-27643    | 351                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 12/21/2007      | 34,000                     |
| 54-27643    | 351                          | TCA                                     | 12/21/2007      | 62,000                     |
| 54-27643    | 351                          | TCA                                     | 6/4/2008        | 52,000                     |
| 54-27643    | 351                          | TCE                                     | 12/21/2007      | 25,000                     |
| 54-27643    | 351                          | TCE                                     | 6/4/2008        | 20,000                     |
| 54-27643    | 351                          | Freon-11                                | 12/21/2007      | 5400                       |
| 54-27643    | 351                          | Freon-11                                | 6/4/2008        | 3800                       |
| 54-27643    | 354                          | Benzene                                 | 8/12/2008       | 300                        |
| 54-27643    | 354                          | Carbon Tetrachloride                    | 8/12/2008       | 960                        |
| 54-27643    | 354                          | Chloroform                              | 8/12/2008       | 1200                       |
| 54-27643    | 354                          | Dichlorodifluoromethane                 | 8/12/2008       | 660                        |
| 54-27643    | 354                          | DCA                                     | 8/12/2008       | 440                        |
| 54-27643    | 354                          | Dichloroethane[1,2-]                    | 8/12/2008       | 300                        |
| 54-27643    | 354                          | DCE                                     | 8/12/2008       | 12,000                     |
| 54-27643    | 354                          | Dichloropropane[1,2-]                   | 8/12/2008       | 930                        |
| 54-27643    | 354                          | Hexane                                  | 8/12/2008       | 580                        |
| 54-27643    | 354                          | Methylene Chloride                      | 8/12/2008       | 1600                       |
| 54-27643    | 354                          | PCE                                     | 8/12/2008       | 1700                       |
| 54-27643    | 354                          | Tetrahydrofuran                         | 8/12/2008       | 540                        |
| 54-27643    | 354                          | Toluene                                 | 8/12/2008       | 380                        |
| 54-27643    | 354                          | Trichloro-1,2,2-trifluoroethane[1,1,2-] | 8/12/2008       | 30,000                     |
| 54-27643    | 354                          | TCA                                     | 8/12/2008       | 54,000                     |
| 54-27643    | 354                          | TCE                                     | 8/12/2008       | 17,000                     |
| 54-27643    | 354                          | Freon-11                                | 8/12/2008       | 3300                       |

\* Data qualifiers are defined in Appendix A.

**Table 5.0-2**  
**Tritium Pore-Gas Results at MDA L**

| Borehole ID | Sampling Port Depth<br>(ft bgs) | Analytical Result<br>(pCi/L) | Collection Date |
|-------------|---------------------------------|------------------------------|-----------------|
| 54-02001    | 40                              | 4132.55                      | 3/26/2008       |
| 54-02001    | 40                              | 290.047                      | 5/30/2008       |
| 54-02001    | 40                              | 382.273                      | 9/4/2008        |
| 54-02001    | 80                              | 325.087                      | 5/30/2008       |
| 54-02001    | 80                              | 252.247                      | 9/4/2008        |
| 54-02001    | 100                             | 1302.22                      | 3/26/2008       |
| 54-02001    | 120                             | 1723.26                      | 9/4/2008        |
| 54-02001    | 140                             | 603.045                      | 3/26/2008       |
| 54-02001    | 200                             | 900.084                      | 3/26/2008       |
| 54-02002    | 20                              | 974.527                      | 8/11/2008       |
| 54-02002    | 40                              | 227.681                      | 4/24/2008       |
| 54-02002    | 40                              | 1134.07                      | 6/18/2008       |
| 54-02002    | 100                             | 246.634                      | 4/24/2008       |
| 54-02002    | 100                             | 2326.01                      | 6/18/2008       |
| 54-02002    | 100                             | 23831.6                      | 8/11/2008       |
| 54-02002    | 120                             | 144.783                      | 4/24/2008       |
| 54-02002    | 120                             | 1431.09                      | 6/18/2008       |
| 54-02002    | 120                             | 521.207                      | 8/11/2008       |
| 54-02002    | 180                             | 1080                         | 6/18/2008       |
| 54-02002    | 180                             | 1121.49                      | 8/11/2008       |
| 54-02002    | 200                             | 66.974                       | 4/24/2008       |
| 54-02016    | 18                              | 5765.62                      | 8/22/2008       |
| 54-02016    | 31                              | 639.503                      | 5/19/2008       |
| 54-02016    | 31                              | 15185.9                      | 8/22/2008       |
| 54-02016    | 82                              | 621.945                      | 4/7/2008        |
| 54-02021    | 100                             | 232.161                      | 9/12/2008       |
| 54-02021    | 120                             | 1552.49                      | 9/12/2008       |
| 54-02021    | 140                             | 296.543                      | 9/12/2008       |
| 54-02021    | 198                             | 627.557                      | 3/28/2008       |
| 54-02022    | 40                              | 871.445                      | 3/26/2008       |
| 54-02022    | 100                             | 10020.6                      | 3/26/2008       |
| 54-02022    | 120                             | 6492.63                      | 3/26/2008       |
| 54-02022    | 200                             | 8614.2                       | 3/26/2008       |
| 54-02023    | 40                              | 320.643                      | 8/15/2008       |
| 54-02023    | 100                             | 316.607                      | 6/24/2008       |
| 54-02023    | 100                             | 204.985                      | 8/15/2008       |
| 54-02023    | 159                             | 261.992                      | 6/24/2008       |

**Table 5.0-2 (continued)**

| Borehole ID | Sampling Port Depth<br>(ft bgs) | Analytical Result<br>(pCi/L) | Collection Date |
|-------------|---------------------------------|------------------------------|-----------------|
| 54-02023    | 159                             | 230.408                      | 8/15/2008       |
| 54-02024    | 40                              | 1067.43                      | 4/17/2008       |
| 54-02024    | 40                              | 405.96                       | 6/16/2008       |
| 54-02024    | 40                              | 1522.07                      | 8/6/2008        |
| 54-02024    | 100                             | 736.998                      | 4/17/2008       |
| 54-02024    | 100                             | 394.561                      | 6/16/2008       |
| 54-02024    | 100                             | 459.885                      | 8/6/2008        |
| 54-02024    | 120                             | 2421.45                      | 4/17/2008       |
| 54-02024    | 120                             | 1645.87                      | 6/16/2008       |
| 54-02024    | 140                             | 454.543                      | 8/6/2008        |
| 54-02024    | 160                             | 248.321                      | 8/6/2008        |
| 54-02024    | 200                             | 828.911                      | 4/17/2008       |
| 54-02025    | 20                              | 232.296                      | 6/12/2008       |
| 54-02025    | 100                             | 302.871                      | 4/25/2008       |
| 54-02025    | 160                             | 15130.1                      | 6/12/2008       |
| 54-02025    | 190                             | 297.279                      | 4/25/2008       |
| 54-02026    | 20                              | 227.429                      | 4/18/2008       |
| 54-02026    | 20                              | 325.028                      | 6/20/2008       |
| 54-02026    | 20                              | 300.147                      | 8/7/2008        |
| 54-02026    | 100                             | 222.977                      | 6/20/2008       |
| 54-02026    | 160                             | 248.585                      | 6/20/2008       |
| 54-02026    | 160                             | 211.157                      | 8/7/2008        |
| 54-02027    | 20                              | 1185.83                      | 5/1/2008        |
| 54-02027    | 20                              | 211.724                      | 6/17/2008       |
| 54-02028    | 20                              | 216.755                      | 4/21/2008       |
| 54-02028    | 20                              | 275.147                      | 6/23/2008       |
| 54-02028    | 160                             | 249.16                       | 6/23/2008       |
| 54-02031    | 100                             | 576.48                       | 5/2/2008        |
| 54-02089    | 28.5                            | 5045.93                      | 4/10/2008       |
| 54-02089    | 28.5                            | 1352.85                      | 5/21/2008       |
| 54-02089    | 31                              | 2387.86                      | 8/25/2008       |
| 54-02089    | 43.5                            | 1377.97                      | 5/21/2008       |
| 54-02089    | 46                              | 1344.95                      | 8/25/2008       |
| 54-02089    | 83.5                            | 12550.9                      | 4/10/2008       |
| 54-24238    | 63                              | 1612.08                      | 5/19/2008       |
| 54-24238    | 64                              | 3795.28                      | 8/25/2008       |
| 54-24238    | 83                              | 30560                        | 4/9/2008        |
| 54-24239    | 24                              | 523.42                       | 4/2/2008        |

Table 5.0-2 (continued)

| Borehole ID | Sampling Port Depth<br>(ft bgs) | Analytical Result<br>(pCi/L) | Collection Date |
|-------------|---------------------------------|------------------------------|-----------------|
| 54-24240    | 27                              | 2479.97                      | 4/2/2008        |
| 54-24240    | 28                              | 320.492                      | 8/29/2008       |
| 54-24240    | 52                              | 378.636                      | 5/16/2008       |
| 54-24240    | 102                             | 828.975                      | 4/1/2008        |
| 54-24240    | 152                             | 1734.37                      | 4/1/2008        |
| 54-24240    | 152                             | 411.48                       | 5/16/2008       |
| 54-24241    | 73                              | 609.182                      | 5/22/2008       |
| 54-24241    | 73                              | 26514.1                      | 9/17/2008       |
| 54-24241    | 92                              | 1333.29                      | 4/4/2008        |
| 54-24241    | 112                             | 713.786                      | 4/4/2008        |
| 54-24241    | 112                             | 253.141                      | 5/22/2008       |
| 54-24241    | 113                             | 26665                        | 9/17/2008       |
| 54-24241    | 133                             | 79224.2                      | 9/17/2008       |
| 54-24241    | 192                             | 1416.14                      | 4/4/2008        |
| 54-24242    | 109.5                           | 545.82                       | 4/3/2008        |
| 54-24242    | 24                              | 626.759                      | 5/28/2008       |
| 54-24242    | 50                              | 254.775                      | 8/27/2008       |
| 54-24243    | 24                              | 678.684                      | 4/23/2008       |
| 54-24243    | 24                              | 3278.32                      | 6/19/2008       |
| 54-24243    | 25                              | 3373.07                      | 8/8/2008        |
| 54-24243    | 74                              | 542010                       | 6/19/2008       |
| 54-24243    | 75                              | 528338                       | 8/8/2008        |
| 54-24243    | 99                              | 64727.5                      | 4/23/2008       |
| 54-24243    | 124                             | 5560.36                      | 4/23/2008       |
| 54-24243    | 124                             | 36143.4                      | 6/19/2008       |
| 54-24243    | 125                             | 49659.3                      | 8/8/2008        |
| 54-27641    | 30                              | 3773.28                      | 12/19/2007      |
| 54-27641    | 30                              | 1033.9                       | 4/1/2008        |
| 54-27641    | 30                              | 530.666                      | 5/16/2008       |
| 54-27641    | 32                              | 527.893                      | 8/28/2008       |
| 54-27641    | 80                              | 906.295                      | 12/19/2007      |
| 54-27641    | 80                              | 6436.52                      | 4/1/2008        |
| 54-27641    | 82                              | 254.85                       | 8/28/2008       |
| 54-27641    | 110                             | 1754.44                      | 12/19/2007      |
| 54-27641    | 110                             | 901.566                      | 5/16/2008       |
| 54-27641    | 115                             | 4546.47                      | 4/1/2008        |
| 54-27641    | 115                             | 1898.03                      | 8/28/2008       |
| 54-27641    | 182                             | 358.407                      | 8/28/2008       |

**Table 5.0-2 (continued)**

| Borehole ID | Sampling Port Depth<br>(ft bgs) | Analytical Result<br>(pCi/L) | Collection Date |
|-------------|---------------------------------|------------------------------|-----------------|
| 54-27641    | 230                             | 6527.27                      | 12/19/2007      |
| 54-27641    | 269                             | 172893                       | 12/19/2007      |
| 54-27641    | 271                             | 414.259                      | 8/28/2008       |
| 54-27641    | 330                             | 11545.2                      | 12/19/2007      |
| 54-27641    | 330                             | 1609.49                      | 4/1/2008        |
| 54-27642    | 27.5                            | 11415.2                      | 12/21/2007      |
| 54-27642    | 27.5                            | 506.88                       | 4/8/2008        |
| 54-27642    | 30                              | 744.403                      | 8/22/2008       |
| 54-27642    | 72.5                            | 2872.2                       | 4/8/2008        |
| 54-27642    | 72.5                            | 2603.18                      | 5/20/2008       |
| 54-27642    | 113.5                           | 2562.98                      | 12/21/2007      |
| 54-27642    | 113.5                           | 8314.39                      | 4/8/2008        |
| 54-27642    | 113.5                           | 5560.34                      | 5/20/2008       |
| 54-27642    | 116                             | 327.728                      | 8/22/2008       |
| 54-27642    | 172.5                           | 339.66                       | 5/20/2008       |
| 54-27642    | 175                             | 1225.4                       | 5/2/2008        |
| 54-27642    | 175                             | 1464.38                      | 8/22/2008       |
| 54-27642    | 232                             | 12278.2                      | 12/21/2007      |
| 54-27642    | 232                             | 825.183                      | 4/8/2008        |
| 54-27642    | 272                             | 13496.6                      | 12/21/2007      |
| 54-27642    | 272                             | 450.597                      | 4/8/2008        |
| 54-27642    | 275                             | 282.33                       | 8/22/2008       |
| 54-27642    | 335                             | 1382.13                      | 12/21/2007      |
| 54-27642    | 338                             | 404.74                       | 8/22/2008       |
| 54-27643    | 27.5                            | 1371.73                      | 12/20/2007      |
| 54-27643    | 27.5                            | 372.649                      | 6/9/2008        |
| 54-27643    | 71.5                            | 2677.47                      | 12/20/2007      |
| 54-27643    | 71.5                            | 418.113                      | 4/11/2008       |
| 54-27643    | 71.5                            | 533.487                      | 6/9/2008        |
| 54-27643    | 74                              | 335.198                      | 8/12/2008       |
| 54-27643    | 114.5                           | 623                          | 12/20/2007      |
| 54-27643    | 114.5                           | 985.217                      | 4/11/2008       |
| 54-27643    | 114.5                           | 697.983                      | 6/9/2008        |
| 54-27643    | 117                             | 425.247                      | 8/12/2008       |
| 54-27643    | 164                             | 293.028                      | 6/9/2008        |

**Table 5.0-2 (continued)**

| Borehole ID | Sampling Port Depth (ft bgs) | Analytical Result (pCi/L) | Collection Date |
|-------------|------------------------------|---------------------------|-----------------|
| 54-27643    | 232.5                        | 2776.15                   | 12/20/2007      |
| 54-27643    | 232.5                        | 750.247                   | 4/11/2008       |
| 54-27643    | 272.5                        | 1577.05                   | 12/20/2007      |
| 54-27643    | 272.5                        | 260.009                   | 6/9/2008        |
| 54-27643    | 351                          | 1861.13                   | 12/20/2007      |

**Table 5.2-1**  
**Screening of VOCs Detected in Pore Gas at MDA L**

| Analyte               | Maximum Concentration ( $\mu\text{g}/\text{m}^3$ ) | Henry's Constant (dimensionless) | Screening Level ( $\mu\text{g}/\text{L}$ ) | Screening Value (unitless) <sup>a</sup> |
|-----------------------|----------------------------------------------------|----------------------------------|--------------------------------------------|-----------------------------------------|
| Benzene               | 4300                                               | 0.22755                          | 5 <sup>b</sup>                             | 3.78                                    |
| Carbon Tetrachloride  | 23,000                                             | 1.2464                           | 5 <sup>b</sup>                             | 3.69                                    |
| Chloroform            | 55,000                                             | 0.15                             | 100 <sup>c</sup>                           | 3.66                                    |
| DCA                   | 100,000                                            | 0.23                             | 25 <sup>c</sup>                            | 17.4                                    |
| Dichloroethane[1,2-]  | 460,000                                            | 0.0401                           | 5 <sup>c</sup>                             | 2300                                    |
| DCE                   | 570,000                                            | 1.1                              | 5 <sup>c</sup>                             | 103.6364                                |
| Dichloropropane[1,2-] | 340,000                                            | 0.11                             | 5 <sup>b</sup>                             | 620                                     |
| Methylene Chloride    | 390,000                                            | 0.08979                          | 5 <sup>b</sup>                             | 868                                     |
| PCE                   | 580,000                                            | 0.754                            | 5 <sup>b</sup>                             | 153.8462                                |
| Tetrahydrofuran       | 25,000                                             | 0.002895                         | 8.8 <sup>d</sup>                           | 981                                     |
| TCA                   | 3,500,000                                          | 0.705                            | 60 <sup>c</sup>                            | 82.74232                                |
| TCE                   | 950,000                                            | 0.422                            | 5 <sup>b</sup>                             | 450.237                                 |

<sup>a</sup> See screening value equation 3.1.2.

<sup>b</sup> EPA MCL (40 Code of Federal Regulations 141.61).

<sup>c</sup> NMWQCC groundwater standard 920.6.2.3103 New Mexico Administrative Code.

<sup>d</sup> EPA regional tap water screening levels

([http://www.epa.gov/region09/superfund/prg/pdf/composite\\_sl\\_table\\_run\\_12SEP2008.pdf](http://www.epa.gov/region09/superfund/prg/pdf/composite_sl_table_run_12SEP2008.pdf)).





# **Appendix A**

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*Acronyms and Abbreviations, Metric Conversion Table,  
and Data Qualifier Definitions*



**A-1.0 ACRONYMS AND ABBREVIATIONS**

|           |                                             |
|-----------|---------------------------------------------|
| %D        | percent difference                          |
| %RSD      | percent relative standard deviation         |
| B&K       | Brüel and Krøjer                            |
| bgs       | below ground surface                        |
| CAS       | Chemical Abstract Service                   |
| COC       | chain of custody                            |
| DCA       | 1,1-dichloroethane                          |
| DCE       | 1,1-dichloroethene                          |
| DER       | duplicate error ratio                       |
| EPA       | Environmental Protection Agency (U.S.)      |
| EQL       | estimated quantitation limit                |
| FD        | field duplicate                             |
| Freon-11  | trichlorofluoromethane                      |
| Freon-12  | dichlorodifluoromethane                     |
| Freon-114 | 1,2-dichloro-1,1,2,2-tetrafluoroethane      |
| FY        | fiscal year                                 |
| LANL      | Los Alamos National Laboratory              |
| LCS       | laboratory control sample                   |
| MCL       | maximum contaminant level                   |
| MDA       | material disposal area                      |
| MS        | matrix spike                                |
| NOD       | notice of disapproval                       |
| NMAC      | New Mexico Administrative Code              |
| NMED      | New Mexico Environment Department           |
| NMWQCC    | New Mexico Water Quality Control Commission |
| PCE       | tetrachloroethene                           |
| PID       | photoionization detector                    |
| QA        | quality assurance                           |
| QC        | quality control                             |
| RCRA      | Resource Conservation and Recovery Act      |
| RFI       | RCRA facility investigation                 |
| RPD       | relative percent difference                 |
| RPF       | Records Processing Facility                 |

|      |                              |
|------|------------------------------|
| SL   | screening level              |
| SOP  | standard operating procedure |
| SV   | screening value              |
| SWMU | solid waste management unit  |
| TA   | technical area               |
| TCA  | 1,1,1-trichloroethane        |
| TCE  | trichloroethene              |
| TD   | total depth                  |
| TPU  | total propagated uncertainty |
| VOC  | volatile organic compound    |

**A-2.0 METRIC CONVERSION TABLE**

| Multiply SI (Metric) Unit                      | by         | To Obtain U.S. Customary Unit              |
|------------------------------------------------|------------|--------------------------------------------|
| kilometers (km)                                | 0.622      | miles (mi)                                 |
| kilometers (km)                                | 3281       | feet (ft)                                  |
| meters (m)                                     | 3.281      | feet (ft)                                  |
| meters (m)                                     | 39.37      | inches (in.)                               |
| centimeters (cm)                               | 0.03281    | feet (ft)                                  |
| centimeters (cm)                               | 0.394      | inches (in.)                               |
| millimeters (mm)                               | 0.0394     | inches (in.)                               |
| micrometers or microns ( $\mu\text{m}$ )       | 0.0000394  | inches (in.)                               |
| square kilometers ( $\text{km}^2$ )            | 0.3861     | square miles ( $\text{mi}^2$ )             |
| hectares (ha)                                  | 2.5        | acres                                      |
| square meters ( $\text{m}^2$ )                 | 10.764     | square feet ( $\text{ft}^2$ )              |
| cubic meters ( $\text{m}^3$ )                  | 35.31      | cubic feet ( $\text{ft}^3$ )               |
| kilograms (kg)                                 | 2.2046     | pounds (lb)                                |
| grams (g)                                      | 0.0353     | ounces (oz)                                |
| grams per cubic centimeter ( $\text{g/cm}^3$ ) | 62.422     | pounds per cubic foot ( $\text{lb/ft}^3$ ) |
| milligrams per kilogram (mg/kg)                | 1          | parts per million (ppm)                    |
| micrograms per gram ( $\mu\text{g/g}$ )        | 1          | parts per million (ppm)                    |
| liters (L)                                     | 0.26       | gallons (gal.)                             |
| milligrams per liter (mg/L)                    | 1          | parts per million (ppm)                    |
| degrees Celsius ( $^{\circ}\text{C}$ )         | $9/5 + 32$ | degrees Fahrenheit ( $^{\circ}\text{F}$ )  |

**A-3.0 DATA QUALIFIER DEFINITIONS**

| Data Qualifier | Definition                                                                                                                                                     |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U              | The analyte was analyzed for but not detected.                                                                                                                 |
| J              | The analyte was positively identified, and the associated numerical value is estimated to be more uncertain than would normally be expected for that analysis. |
| J+             | The analyte was positively identified, and the result is likely to be biased high.                                                                             |
| J-             | The analyte was positively identified, and the result is likely to be biased low.                                                                              |
| UJ             | The analyte was not positively identified in the sample, and the associated value is an estimate of the sample-specific detection or quantitation limit.       |
| R              | The data are rejected as a result of major problems with quality assurance/quality control parameters.                                                         |



## **Appendix B**

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*Quality Assurance/Quality Control Program*





## B-1.0 INTRODUCTION

This appendix discusses analytical methods and data quality review and summarizes the effects of data quality exceptions on the acceptability of the field and laboratory analytical data.

Quality assurance (QA), quality control (QC), and data validation procedures were implemented in accordance with the Los Alamos National Laboratory (LANL or the Laboratory) "Quality Assurance Project Plan Requirements for Sampling and Analysis" (LANL 1996, 054609) and the Laboratory's statement of work for analytical services (LANL 2000, 071233). The results of the QA/QC activities were used to estimate the accuracy, bias, and precision of the analytical measurements. QC samples, including method blanks, blank spikes, matrix spikes (MSs), laboratory control samples (LCSs), internal standards, initial and continuing calibrations, and surrogates, were used to assess laboratory accuracy and bias.

The type and frequency of QC analyses are described in the analytical services contract. Other QC factors, such as sample preservation and holding times, were also assessed. The requirements for sample preservation and holding times are given in the Environmental Programs Directorate Standard Operating Procedure (SOP) ER-ERSS-SOP-5056, Sample Containers and Preservation. Evaluating these QC indicators allows estimates to be made of the accuracy, bias, and precision of the analytical suites. A focused data validation was also performed for all the data packages (identified by request number) that included a more detailed review of the raw data results. The procedures used for data validation are given in Table B-1.0-1. Copies of the raw analytical data, laboratory logbooks, and instrument printouts are provided in data packages as part of Appendix C (on DVD).

Analytical data were reviewed and evaluated based on U.S. Environmental Protection Agency (EPA) National Functional Guidelines for inorganic and organic chemical data review where applicable (EPA 1994, 048639; EPA 1999, 066649). Data have also been assessed using guidelines established in SW-846 (EPA 1997, 057589). As a result of the data validation and assessment efforts, qualifiers have been assigned to each analytical record. Definitions for the data qualifiers used in data validation are given in Table B-1.0-2. Data validators and reviewers made judgments about the following industry-accepted QA/QC analytical quality functions.

### B-1.1 Maintenance of Chain of Custody

To maintain chain of custody is to document or demonstrate the possession of an item by only authorized individuals. The chain-of-custody process, described in EP-ERSS-SOP-5058, [Chain-of-Custody for Analytical Data Record Packages](#), provides confidence in and documentation of analytical data integrity by establishing the traceability of the sample from the time of collection through processing to final maintenance as a record.

### B-1.2 Sample Documentation

Establishing sample documentation acceptability, described in EP-ERSS-SOP-5058, is the first step toward verifying an analytical system has produced data of known quality. Documentation depends on the accessibility of review items that accurately and completely describe the work performed. In the absence of adequate sample documentation, data quality cannot be independently verified.

### **B-1.3 Sample Preservation**

Sample preservation is the use of specific types of sample containers and preservation techniques, as described in EP-ERSS-SOP-5056, [Sample Containers and Preservation](#). Sample preservation is mandatory for hazardous site investigations because the integrity of any sample decreases over time. Physical factors (light, pressure, temperature, etc.), chemical factors (changes in pH, volatilization, etc.), and biological factors may alter the original quality of a sample. Because the various target parameters are uniquely altered at varying rates, distinct sample containers, preservation techniques, and holding times have been established to maintain sample integrity for a reasonable and acceptable period of time.

### **B-1.4 Holding Time**

Holding time, the maximum amount of time a sample can be stored without unacceptable changes in analyte concentrations, is described in EP-ERSS-SOP-5056. Holding times apply under prescribed conditions; deviations from these conditions may affect the holding time. Extraction holding time refers to the time that elapses between sample collection and sample preparation; analytical holding time refers to the time that elapses between sample preparation and analysis.

### **B-1.5 Initial and Continuing Calibration Verification (Including Interference-Check Standards)**

Calibration verification establishes a quantitative relationship between the response of the analytical procedure and the concentration of the target analyte. There are two aspects of calibration verification: initial and continuing. The initial calibration verifies the accuracy of the calibration curve as well as the individual calibration standards being used to perform the calibration. The continuing calibration ensures that the initial calibration is still holding and correct as the instrument is used to process samples. Interference-check samples are used to determine if a high concentration of a single analyte in a sample interferes with the accurate quantitation of other analytes.

### **B-1.6 Analyte Identification (Including Spectra Review and Thermal Ionization Cavity Review)**

Analyte identification is the process of associating an instrument signal with a compound or analyte of interest. Evaluation of signal retention times, spectral overlap, multipeak pattern matching, and mass spectral library searches are tools for making analyte identification determinations.

### **B-1.7 Analyte Quantitation**

Analyte quantitation is the association of an instrument signal with a concentration and the determination that a recorded signal is detected or not detected. Detection limits, instrument calibration linear ranges, internal standards, and carrier recoveries are tools for making analyte quantitation evaluations.

Organic and inorganic chemical results are considered to be not detected if reported results are less than or equal to the method detection limit adjusted by sample-specific dilution or concentration factors.

Radionuclide results reported at less than the minimum detectable activity are not detected (U). Each radiochemical result is also compared with the corresponding 1-sigma total propagated uncertainty (TPU). If the result is not greater than 3 times the TPU, it is also qualified as not detected (U).

**B-1.8 Method Blank**

A method blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as those used in the environmental sample processing and which is extracted and analyzed in the same manner as the corresponding environmental samples. Method blanks are used to assess the potential for sample contamination during extraction and analysis. All target analytes should be below the contract-required detection limit in the method blank (LANL 2000, 071233).

**B-1.9 MS Recoveries**

An MS is an aliquot of a sample spiked with a known concentration of the target analyte(s). MS samples are used to measure the ability to recover prescribed analytes from a native sample matrix. Spiking typically occurs before sample preparation and analysis. Acceptable percentage recoveries for MSs vary by method but should generally be greater than 10% for an analytical result to be usable (LANL 2000, 071233).

**B-1.10 Surrogate and Tracer Recoveries**

A surrogate (an organic chemical compound) and a tracer (a radiochemical isotope) are similar in composition and behavior to target analytes but are not typically found in environmental samples. Surrogates and tracers are added to every blank, sample, and spike to evaluate the efficiency with which target analytes are recovered during extraction and analysis. The recovery percentages of the surrogates and tracers vary by method but should generally be greater than 10% for an analytical result to be usable (LANL 2000, 071233).

**B-1.11 Internal Standard Responses and Carrier Recoveries**

Internal standards and carriers are chemical compounds that are added to blank, sample, and standard extracts at known concentrations. They are used to compensate for (1) analyte concentration changes that might occur during storage of the extract and (2) quantitation variations that can occur during analysis. Internal standard responses and carrier recoveries are used to adjust the reported concentrations for the quantitation of target analytes. The response factors for internal standards vary by method but should generally be within the range of  $\geq 50\%$  to  $\leq 200\%$ . The recoveries for carriers vary by method but should generally be greater than 10% for an analytical result to be usable (LANL 2000, 071233).

**B-1.12 LCS Recoveries**

An LCS is a known matrix that has been spiked with compound(s) that are representative of the target analytes. The LCS is used to document laboratory performance. The acceptance criteria for LCSs are method-specific but should generally be greater than 10% for an analytical result to be usable (LANL 2000, 071233).

**B-1.13 Laboratory and Field Duplicates (Including Serial Dilutions)**

Laboratory duplicates are two portions of a sample taken from the same sample container (prepared for analysis and analyzed independently but under identical conditions) that are used to assess or demonstrate acceptable laboratory-method precision at the time of analysis. Each duplicate sample is equally representative of the original material. Duplicate analyses are also performed to generate data and to determine the long-term precision of an analytical method on various matrices. All relative percent

differences (RPDs) between samples and field duplicates (FDs) should be  $\pm 35\%$  (LANL 2000, 071233). The RPD is defined by the equation  $RPD = [|D1 - D2| / (D1 + D2)] \times 100\%$ , where D1 and D2 represent analytical measurements on duplicate samples.

For radionuclides, the duplicate error ratio (DER) may also be used to quantify precision. The DER is defined by the equation  $DER = |S - D| / \sqrt{(2\sigma_S^2 + 2\sigma_D^2)}$ , where S represents the original sample value, D represents the duplicate value, and  $2\sigma_S$  and  $2\sigma_D$  represent the 2-sigma uncertainties surrounding the original and duplicate samples, respectively. A DER below 3 indicates sample-to-FD precision that is in control.

FDs are independent samples collected as closely as possible at the same point in space and time. They are two separate samples taken from the same source, stored in separate containers, and analyzed independently.

Serial dilution checks are performed for certain inorganic analyses to determine if dilutions have been prepared correctly and to identify any effects that may arise from characteristics of the sample matrix.

#### **B-1.14 Field Blanks and Equipment Blanks**

*Field blank*—a sample of analyte-free medium that is taken to the sampling site and exposed to the atmosphere during sample-collection activities. Field blanks are used to measure contamination introduced during sample collection.

*Equipment blank*—a sample of analyte medium that has been used to verify calibration of the sampling equipment. It is collected after completion of decontamination and before sampling.

#### **B-2.0 LABORATORY ANALYSIS SUMMARY**

During fiscal year (FY) 2008, 211 volatile organic compound (VOC) pore-gas samples, 8 field blank samples, and 16 FD samples were collected at Solid Waste Management Unit (SWMU) 54-006. Additionally, 267 tritium samples and 20 FD samples were collected. Analysis of pore gas was conducted for VOCs using EPA Method TO-15 and for tritium using EPA Method 906.0 (Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA/600/4-80-032). All QC procedures were followed as required by the analytical services contract. Table B-2.0-1 lists the analytical method used for organic chemical and radionuclide analyses.

Sample locations, sample ports, and validated analytical results are presented in Appendix C of the report. The data, including the qualified data, are usable for evaluation purposes. The entire data set meets the standards for use in this report.

The analytical methods used for tritium and VOCs are summarized in the following sections. The required minimum detectable activity or estimated quantitation limit (EQL) is prescribed in the analytical services contract.

#### **B-3.0 ORGANIC CHEMICAL ANALYSES**

Eighteen samples analyzed for chloromethane using EPA Method TO-15 were rejected and qualified as R because the analyte was analyzed with a relative response factor of  $<0.05$  in the initial calibration.

### **B-3.1 Maintenance of Chain of Custody**

Chain of custody was properly maintained for all samples.

### **B-3.2 Sample Documentation**

All samples were properly documented in the field.

### **B-3.3 Sample Preservation**

No sample preservation is required for VOCs.

### **B-3.4 Holding Time**

The holding times were met for all samples.

### **B-3.5 Initial and Continuing Calibration Verification**

One result was not analyzed with a valid 5-point calibration curve. The affected record was qualified as estimated (UJ).

Analyses of 312 organic chemical records were performed with an initial calibration curve that exceeded the percent relative standard deviation (%RSD) criteria and/or the associated multipoint calibration correlation coefficient. Affected records were qualified as estimated (UJ) of their sample-specific quantitation limit or detection limit.

Initial or continuing calibration differences (percent difference [%D]) were recovered outside the method-specific limits affecting EPA Method TO-15 analyses of 318 organic chemical records. Affected records were qualified as estimated (J) and (UJ) of their sample-specific quantitation limit or detection limit.

### **B-3.6 Analyte Identification (Including Internal Standards, and Spectra Review)**

Analyte identification criteria were met for all but 23 sample analyses. The mass spectrum did not meet method specifications and associated records were qualified as not detected (U).

### **B-3.7 Method Blank Freon-114**

Method blank results were within acceptable limits.

### **B-3.8 Surrogate Recoveries**

All surrogate recoveries were within acceptable limits.

### **B-3.9 Internal Standard Responses**

All internal standard responses were within acceptable limits.

### **B-3.10 LCS Recoveries**

The LCS recoveries were within acceptable limits for all but three results. The LCS recoveries were greater than the upper acceptance limit, affecting three results. Affected records were qualified as estimated not detected (UJ). The LCS recoveries were less than the lower acceptance limit but greater than 10%, affecting three results. Each of the affected detected records was qualified as estimated (UJ).

### **B-3.11 Laboratory and FDs**

Most laboratory and FDs collected indicate acceptable precision. All laboratory and FD RPDs were less than 35%. During FY2008, FD precision was greater than 35% for five results at borehole location 54-02001 at 140 ft bgs and at location 54-27642 at 27.5 ft bgs. The sample record potentially affected by larger-than-expected FD RPDs are listed in Table B-3.11-1. Sample results are not qualified based on FD precision.

### **B-3.12 Field Blanks and Equipment Blanks**

Two field blanks and two performance evaluation samples collected on June 16, 2008, in relation to borehole location 54-24399 contained detected concentrations of trichlorobenzene[1,2,4-].

No sample records were affected by field blank contamination.

Thirty-two results were  $\leq 5$  times the concentration of the related analyte in the equipment blank and were qualified as not detected (U).

## **B-4.0 RADIONUCLIDE ANALYSES**

No tritium results were rejected.

### **B-4.1 Maintenance of Chain of Custody**

Chain of custody was properly maintained for all samples.

### **B-4.2 Sample Documentation and Dilutions**

Samples were properly documented in the field.

### **B-4.3 Sample Preservation**

No sample preservation is required for tritium.

### **B-4.4 Holding Times**

The holding times were met for all tritium analyses.

### **B-4.5 Initial and Continuing Calibration Verification**

Initial and continuing calibrations are acceptable for all tritium analyses.

**B-4.6 Analyte Identification**

Analyte identification criteria were met for all tritium analyses.

**B-4.7 Analyte Quantitation**

Analyte quantitation criteria were met for all tritium analyses.

**B-4.8 Method Blanks**

Method blank results were within acceptable limits for all but three sample results. The results are qualified as not detected (U) because the concentration in the method blank was less than 5 times the concentration in the sample.

**B-4.9 LCS Recoveries**

The LCS recoveries were within acceptable limits for all tritium analyses.

**B-4.10 Laboratory and Field Duplicates**

Laboratory duplicate analyses indicate acceptable precision for all tritium analyses. Twenty FDs were collected during FY2008. All but one of the duplicate analyses had DERs below 3. One detected tritium and associated FD result had a DER greater than 3. The sample record potentially affected by larger-than-expected FD DER is listed in Table B-4.10-1. Sampling results are not qualified based on FD precision.

**B-5.0 FIELD-MONITORING SUMMARY**

Field-monitoring data are less costly to generate than laboratory data and are immediately available to guide field decisions. Field-monitoring results are generated by rapid methods of analysis that provide less precision than laboratory analyses. Field-monitoring data provide analyte (or at least chemical class) identification and quantification, although the quantification may be relatively imprecise.

Field monitoring of subsurface vapor monitoring at MDA L is conducted using guidance provided in ER-ERSS-SOP-5074, Sampling of Subatmospheric Air. This procedure covers the use of the Brüel and Krøjer (B&K) Type 1302 multigas analyzer and the Landtec GEM 500 photoionization detector (PID).

The B&K is calibrated annually by a certified calibration laboratory. The B&K is adjusted before each day's use to compensate for ambient pressure and temperature. Calibration is confirmed before each day's use through the analysis of triplicate readings of ambient air and duplicate readings of known quantities of mixed organic analytes in nitrogen. These calibration verification check analyses confirm analytical stability, confirm that the instrument zero point for each analyte is correctly set, and confirm the stored calibration curve remains applicable to current instrument response to the presence of organic chemicals. Concentrations of calibration standards analyzed before each day's use are expected be within  $\pm 20\%$  of their known values. Additionally, during each sample analysis, a low sample flow condition triggers an alarm on the B&K, and VOC measurement is then not completed.

The presence of nontarget organic chemicals bias B&K target analyte results if they have an acoustic response to infrared light similar to the target analyte. Trichlorofluoromethane (Freon-11) generates a measurable acoustic signal in response to light with a wavelength of 11.6  $\mu\text{m}$  proportional to its

concentration. Other VOCs generating an acoustic signal to light at this wavelength include Freon-114 (Chemical Abstract Service [CAS] 76-14-2; 1,2-dichloro-1,1,2,2-tetrafluoroethane) and Freon-21 (CAS 75-43-4), neither of which is reported by EPA Method TO-15. Tetrachloroethene (PCE) generates an acoustic signal in response to light with a wavelength of 11.1  $\mu\text{m}$ . Other VOCs responding to light at this wavelength include styrene (CAS 100-42-5) and Freon-113 (CAS 76-13-1), neither of which is reported by EPA Method TO-15; Freon-12 (CAS 75-71-8, dichlorodifluoromethane); ethanol (CAS 64-17-5); and 1,1-dichloroethene (DCE) (CAS 75-35-4). Results indicate that DCE and Freon-113 are present in most samples at MDA L at detected concentrations that would be included in the signal interpreted as PCE. Table B-5.0-1 presents VOCs that interfere with each of the four B&K target analytes.

Data generated using the B&K Type 1302 are supported by annual calibration records that bracket the periods of analyses. Calibration information is reported below for each of the two B&K Type 1302 photoacoustic analyzers used to generate results presented in this periodic monitoring report.

- The B&K with serial number 1692083 was calibrated on July 3, 2007. The zero point was set for 1,1,1-trichloroethane (TCA), trichloroethene (TCE), Freon-11, PCE, carbon dioxide ( $\text{CO}_2$ ), and water ( $\text{H}_2\text{O}$ ). Span concentrations of TCA at 61.4 ppm, TCE at 8.1 ppm, Freon-11 at 53 ppm, PCE at 19.24 ppm, and  $\text{CO}_2$  at 1265 ppm were used to generate calibration response curves.
- The B&K with serial number 1692083 was calibrated on May 12, 2008. The zero point was set for TCA, TCE, Freon-11, PCE,  $\text{CO}_2$ , and  $\text{H}_2\text{O}$ . Span concentrations of TCA at 13.5 ppm, TCE at 10.7 ppm, Freon-11 at 106 ppm, PCE at 31.5 ppm, and  $\text{CO}_2$  at 1250 ppm were used to generate calibration response curves.
- The B&K with serial number 1732805 was calibrated on July 12, 2007. The zero point was set for TCA, TCE, Freon-11, PCE,  $\text{CO}_2$ , and  $\text{H}_2\text{O}$ . Span concentrations of TCA at 47.1 ppm, TCE at 49.7 ppm, Freon-11 at 53 ppm, PCE at 48.4 ppm, and  $\text{CO}_2$  at 1265 ppm were used to generate calibration response curves.
- The B&K with serial number 1732805 was calibrated on May 12, 2008. The zero point was set for TCA, TCE, Freon-11, PCE,  $\text{CO}_2$ , and  $\text{H}_2\text{O}$ . Span concentrations of TCA at 13.1 ppm, TCE at 10.7 ppm, Freon-11 at 106 ppm, PCE at 31.5 ppm, and  $\text{CO}_2$  at 1250 ppm were used to generate calibration response curves.

The Landtec GEM 500 PID is calibrated annually by a certified calibration laboratory. During calibration, methane ( $\text{CH}_4$ ), oxygen ( $\text{O}_2$ ), and  $\text{CO}_2$  zero points are set, and each analyte's calibration response curve is developed. The  $\text{CH}_4$  reading is filtered to an infrared absorption frequency of 3.41  $\mu\text{m}$  (nominal), the frequency specific to hydrocarbon bonds. Landtec instruments are calibrated using certified  $\text{CH}_4$  mixtures and will give correct readings, provided no other hydrocarbon gases are present within the sample (e.g., ethane, propane, and butane). If other hydrocarbons are present, the  $\text{CH}_4$  reading will be higher (never lower) than the actual  $\text{CH}_4$  concentration being monitored. The extent to which the  $\text{CH}_4$  reading is affected depends upon the concentration of the  $\text{CH}_4$  in the sample and the concentration of the other hydrocarbons. The effect of other hydrocarbons is nonlinear and difficult to predict. The  $\text{CO}_2$  reading is filtered to an infrared absorption frequency of 4.29  $\mu\text{m}$  (nominal), the frequency specific to  $\text{CO}_2$ . Therefore, any other gases usually found on landfill sites will not affect the  $\text{CO}_2$  reading. The  $\text{O}_2$  sensor is a galvanic cell type and suffers no influence from  $\text{CO}_2$ , hydrogen sulfide, nitrate, sulfide, or hydrogen.

Calibration is confirmed before each day's use through the analysis of multiple readings of ambient air. Zero readings of  $\text{CH}_4$  and  $\text{CO}_2$  are expected.  $\text{O}_2$  is expected to read 20.9%.  $\text{O}_2$  readings within  $\pm 25\%$  of 20.9% are considered acceptable.



Data generated using the Landtec GEM-500 PID are supported by annual calibration records that bracket the periods of analyses. Calibration is performed by Geotech's Colorado Service Center in Denver, Colorado. Calibration information is reported below for the four Landtec PIDs used to generate results presented in this periodic monitoring report.

- Unit 1138 was calibrated on December 7, 2007. The zero point was set for CH<sub>4</sub>, CO<sub>2</sub>, and O<sub>2</sub>. Calibration was performed so that CH<sub>4</sub> and CO<sub>2</sub> reached  $\pm 15\%$  of a known concentration, and O<sub>2</sub> was set to read ambient air at 20.9%. Pump flow was confirmed to be 525 cc/min.
- Unit 1062 was calibrated on December 6, 2007. The zero point was set for CH<sub>4</sub>, CO<sub>2</sub>, and O<sub>2</sub>. Calibration was performed so that CH<sub>4</sub> and CO<sub>2</sub> reached  $\pm 15\%$  of a known concentration, and O<sub>2</sub> was set to read ambient air at 20.9%. Pump flow was confirmed to be 500 cc/min.
- Unit 915 was calibrated on October 3, 2007. The zero point was set for CH<sub>4</sub>, CO<sub>2</sub>, and O<sub>2</sub>. Calibration was performed so that CH<sub>4</sub> and CO<sub>2</sub> reached  $\pm 15\%$  of a known concentration, and O<sub>2</sub> was set to read ambient air at 20.9%. Pump flow was confirmed to be 500 cc/min.
- Unit 1139 was calibrated on March 18, 2008. The zero point was set for CH<sub>4</sub>, CO<sub>2</sub>, and O<sub>2</sub>. Calibration was performed so that CH<sub>4</sub> and CO<sub>2</sub> reached  $\pm 15\%$  of a known concentration, and O<sub>2</sub> was set to read ambient air at 20.9%. Pump flow was confirmed to be 500 cc/min.
- Unit 903 was calibrated on March 18, 2008. The zero point was set for CH<sub>4</sub>, CO<sub>2</sub>, and O<sub>2</sub>. Calibration was performed so that CH<sub>4</sub> and CO<sub>2</sub> reached  $\pm 15\%$  of a known concentration, and O<sub>2</sub> was set to read ambient air at 20.9%. Pump flow was confirmed to be 500 cc/min.
- Unit 1139 was calibrated on May 13, 2008. The zero point was set for CH<sub>4</sub>, CO<sub>2</sub>, and O<sub>2</sub>. Calibration was performed so that CH<sub>4</sub> and CO<sub>2</sub> reached  $\pm 15\%$  of a known concentration, and O<sub>2</sub> was set to read ambient air at 20.9%. Pump flow was confirmed to be 475 cc/min.
- Unit 279 was calibrated on June 3, 2008. The zero point was set for CH<sub>4</sub>, CO<sub>2</sub>, and O<sub>2</sub>. Calibration was performed so that CH<sub>4</sub> and CO<sub>2</sub> reached  $\pm 15\%$  of a known concentration, and O<sub>2</sub> was set to read ambient air at 20.9%. Pump flow was confirmed to be 600 cc/min.

## B-6.0 REFERENCES

*The following list includes all documents cited in this appendix. Parenthetical information following each reference provides the author(s), publication date, and ER ID. This information is also included in text citations. ER IDs are assigned by the Environmental Programs Directorate's Records Processing Facility (RPF) and are used to locate the document at the RPF and, where applicable, in the master reference set.*

*Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority. Documents previously submitted to the administrative authority are not included.*

EPA (U.S. Environmental Protection Agency), February 1994. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," EPA-540/R-94/013, Office of Emergency and Remedial Response, Washington, D.C. (EPA 1994, 048639)

EPA (U.S. Environmental Protection Agency), 1997. "Test Methods for Evaluating Solid Waste, Laboratory Manual, Physical/Chemical Methods," SW-846, 3rd ed., Update III, Office of Solid Waste and Emergency Response, Washington, D.C. (EPA 1997, 057589)

EPA (U.S. Environmental Protection Agency), October 1999. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review," EPA540/R-99/008, Office of Emergency and Remedial Response, Washington, D.C. (EPA 1999, 066649)

LANL (Los Alamos National Laboratory), March 1996. "Quality Assurance Project Plan Requirements for Sampling and Analysis," Los Alamos National Laboratory document LA-UR-96-441, Los Alamos, New Mexico. (LANL 1996, 054609)

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**Table B-1.0-1**  
**Data Validation Procedures**

| Procedure        | Title                                                                                                                                                 | Effective Date |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| SOP-1561, Rev. 0 | Routine Validation of Volatile Organic Compound (VOC) Analytical Data                                                                                 | 6/10/2008      |
| SOP-1566, Rev. 0 | Routine Validation of Gamma Spectroscopy, Chemical Separation Alpha Spectrometry, Gas Proportional Counting, and Liquid Scintillation Analytical Data | 6/30/2008      |

**Table B-1.0-2**  
**Definition of Data Qualifiers Used in Data Validation**

| Qualifier | Explanation                                                                                                                                                         |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U         | The analyte was analyzed for but not detected. Reported value is the sample-specific EQL or detection limit.                                                        |
| J         | The reported value should be regarded as estimated.                                                                                                                 |
| J+        | The reported value should be regarded as estimated and biased high.                                                                                                 |
| J-        | The reported value should be regarded as estimated and biased low.                                                                                                  |
| UJ        | The analyte was analyzed for but not detected. Reported value is an estimate of the sample-specific quantitation limit or detection limit.                          |
| R         | The sample results were rejected because of serious deficiencies in the ability to analyze the sample and meet QC criteria; presence or absence cannot be verified. |

**Table B-2.0-1**  
**Analytical Methods Used for Sample Analyses**

| Analytical Method                      | Analytical Description | Target Compound List                                          |
|----------------------------------------|------------------------|---------------------------------------------------------------|
| EPA Method TO-15 Sampling and Analysis | VOCs in air            | See analytical services statement of work (LANL 2000, 071233) |
| EPA Method 906.0                       | Tritium analysis       | See analytical services statement of work (LANL 2000, 071233) |

**Table B-3.11-1**  
**Sample Records with Field Duplicate RPD above 35%**

| Location ID | Depth (ft)   | Analyte                | FD Result (µg/m³) | FD Quant Limit (µg/m³) | Sample Result (µg/m³) | Std Quant Limit (µg/m³) | RPD    |
|-------------|--------------|------------------------|-------------------|------------------------|-----------------------|-------------------------|--------|
| 54-02001    | 140          | DCE                    | 47000             | 1700                   | 11000                 | 1700                    | 62.07% |
| 54-02001    | 140          | Propanol[2-]           | 5700              | 4300                   | 13000                 | 4300                    | 39.04% |
| 54-27642    | 27.5 to 32.5 | Dichloroethane[1,2-]   | 33000             | 7100                   | 10000                 | 7100                    | 53.49% |
| 54-27642    | 27.5 to 32.5 | Toluene                | 24000             | 6600                   | 8300                  | 6600                    | 48.61% |
| 54-27642    | 27.5 to 32.5 | Trichlorofluoromethane | 39000             | 9800                   | 14000                 | 9800                    | 47.17% |

**Table B-4.10-1**  
**Sample Record with Field Duplicate DER above 3**

| Location ID | Depth (ft) | Analyte | FD Uncertainty (pCi/L) | FD Result (pCi/L) | Std Uncertainty (pCi/L) | Sample Result (pCi/L) | DER |
|-------------|------------|---------|------------------------|-------------------|-------------------------|-----------------------|-----|
| 54-02002    | 180        | Tritium | 21.324                 | 973.484           | 89.982                  | 1121.49               | 5.2 |

**Table B-5.0-1**  
**B&K Target Analytes**  
**and Potential Interfering Analytes**

| Target   | Potential Interfering Analyte |
|----------|-------------------------------|
| PCE      | Styrene                       |
| PCE      | Freon-113                     |
| PCE      | Freon-12                      |
| PCE      | DCE                           |
| PCE      | Ethylene oxide                |
| PCE      | Ethanol                       |
| PCE      | Dipropyl nitrosamine          |
| PCE      | 1,1-Dimethylhydrazine         |
| PCE      | 1,4-Diethylene dioxide        |
| PCE      | Cyclohexene                   |
| PCE      | tert-Butyl alcohol            |
| PCE      | m-Vinyltoluene                |
| PCE      | Vinyl chloride                |
| PCE      | Tetrahydrofuran               |
| PCE      | Silicium tetrafluoride        |
| PCE      | Nitromethane                  |
| PCE      | Nitrogen trifluoride          |
| PCE      | $\alpha$ -Methylstyrene       |
| PCE      | Monomethyl hydrazine          |
| PCE      | Methyl iodide                 |
| PCE      | n-Hexane                      |
| PCE      | Acetic anhydride              |
| PCE      | 1,3-Butadiene                 |
| Freon-11 | Freon-114                     |
| Freon-11 | Freon-21                      |
| Freon-11 | Carbonyl sulphide             |
| Freon-11 | Methyl acetate                |
| Freon-11 | Chloropicrine                 |
| Freon-11 | Cyclohexane                   |

**Table B-5.0-1 (continued)**

| Target   | Potential Interfering Analyte |
|----------|-------------------------------|
| Freon-11 | Dimethylnitrosamine           |
| Freon-11 | Epichlorohydrine              |
| Freon-11 | Ethane                        |
| Freon-11 | Ethylene oxide                |
| Freon-11 | Ethyl formate                 |
| Freon-11 | 2-Nitropropane                |
| Freon-11 | Phosgene                      |
| Freon-11 | Vinyl acetate                 |
| TCA      | Fluorobenzene                 |
| TCA      | Ethyl benzene                 |
| TCA      | Dimethyl formamide            |
| TCA      | Dichloromethane               |
| TCA      | 1,2-Dichloroethane            |
| TCA      | o-Dichlorobenzene             |
| TCA      | Dibutyl phthalate             |
| TCA      | Chloromethane                 |
| TCA      | m-Xylene                      |
| TCA      | 1,1,2-Trichloroethane         |
| TCA      | o-Toluidine                   |
| TCA      | Toluene                       |
| TCA      | Phenol                        |
| TCA      | Chlorobenzene                 |
| TCA      | Carbon dioxide                |
| TCA      | Boron trifluoride             |
| TCA      | Aniline                       |
| TCA      | Acetophenone                  |
| TCA      | Hydrogen cyanide              |
| TCA      | n-Heptane                     |
| TCE      | Arsine                        |
| TCE      | Butanone                      |
| TCE      | Freon-152                     |
| TCE      | Diethyl ketone                |
| TCE      | Dinitroendifluoride           |
| TCE      | 2-Pentanone                   |
| TCE      | 2-Propanol                    |
| TCE      | Sulfur hexafluoride           |
| TCE      | Vinyl chloride                |



## **Appendix C**

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*Analytical Suites and Results and Analytical Reports  
(on DVD included with this document)*





