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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, Fourth Quarter Fiscal Year 2009

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Prepared by the Environmental Programs Directorate

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EXECUTIVE SUMMARY

This periodic monitoring report summarizes vapor-monitoring activities conducted during the fourth quarter of fiscal year (FY) 2009 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 trends in volatile organic compound (VOC) concentrations and tritium activity levels over time in subsurface vapor at MDA L.

Monitoring conducted at MDA L during the fourth quarter of FY2009 included field-screening of sample ports in 26 of the 27 existing vapor-monitoring boreholes and 1 open borehole. Vapor samples were collected from these boreholes for laboratory analyses of VOCs and tritium. Tritium concentrations have been corrected to account for the effects of silica gel-bound water.

The sampling results for this quarter of pore-gas monitoring were consistent with results from the last three quarters of sampling. Analytical results continue to confirm the presence of two VOC source areas and the presence of tritium at MDA L. VOC concentrations in the western source area generally increase from the surface to depths between 32 and 140 ft below ground surface (bgs) then decrease to the total depths of the boreholes. VOC concentrations in the eastern source area primarily increase from the surface to depths between 100 and 200 ft bgs. In the two deeper eastern borehole locations, VOC concentrations decrease from that same interval to the total borehole depths. Tritium activities varied with depth and location. Analytical vapor-monitoring results from the deepest interval sampled indicate that there is no immediate threat to groundwater from the VOC source areas.

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1.0 INTRODUCTION

This periodic monitoring report presents the results of vapor-monitoring activities conducted during the fourth quarter of fiscal year (FY) 2009 at Material Disposal Area (MDA) L, Solid Waste Management Unit 54-006, in Technical Area 54 (TA-54) at Los Alamos National Laboratory (LANL or the Laboratory). Vapor-monitoring activities were conducted in accordance with the approved vapor-monitoring plan (LANL 2007, 099372; NMED 2007, 098999).

MDA L is located in the east-central portion of the Laboratory (Figure 1.0-1) on Mesita del Buey. 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). Although no longer in use, impoundments B, D, and shafts 1, 13-17, and 19-34 are considered regulated units under the Resource Conservation and Recovery Act (RCRA). MDA L is relatively flat, and most of the overlying surface is paved with asphalt to house ongoing waste management activities, including storage of chemical, hazardous, and mixed low-level wastes managed within container storage units. The regional aquifer beneath MDA L is estimated to be an average depth of approximately 930 ft below ground surface (bgs), based on data from other wells at the Laboratory and on the predictions of the hydrogeologic conceptual model for the Pajarito Plateau (LANL 1998, 059599).

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 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 and removed from service.

A total of 1 pit, 3 impoundments, and 34 shafts were excavated into the overlying soil and unit Qbt 2 of the Tshirege Member of the Bandelier Tuff at MDA L. The disposal sites 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 pit, impoundments, and shafts are unlined. The bottoms of the pit and impoundments were level, so liquid could spread over the entire surface area to facilitate evaporation. When the shafts were filled with waste surrounded by crushed tuff to within 3 ft of the surface, they were capped with a 3-ft concrete plug (LANL 1992, 007669, p. 5-108). 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 at the top of the shaft.

The vapor-monitoring plan for MDA L requires field-screening of 187 completed sample ports in 27 vapor-monitoring boreholes and 1 open borehole (location 54-24399) (LANL 2007, 099372). The vapor-monitoring plan also requires the collection of volatile organic compounds (VOCs) and tritium samples from 85 of the 187 sample ports within 24 of the 27 completed boreholes and 1 open borehole. Information on radioactive materials and radionuclides, including the results of sampling and analysis of radioactive constituents, is voluntarily provided to the New Mexico Environment Department (NMED) in accordance with U.S. Department of Energy policy.

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

- In 1985, the Laboratory received a compliance order from the NMED stipulating, among other requirements, characterization of pore gas at MDAs 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 VOC plumes at MDAs 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.
- The March 1, 2005, 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 (LANL 2006, 094152). An estimated 800 lb of VOCs were removed from the eastern and western source areas.
- During February and March 2007, three boreholes were drilled into the basalt beneath MDA 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 from NMED regarding the long-term subsurface vapor-monitoring plan, provided as Appendix I to the MDA L investigation report, which 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" (LANL 2007, 098712), which included a table indicating locations and port depths to be sampled during pore-gas monitoring activities for FY2008.
- 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" (LANL 2007, 099372), addressing NMED's directions provided in the September 2007 NOD.
- In November 2007, the Laboratory received an approval with modifications of the revised interim monitoring plan (NMED 2007, 098999). The modifications required increasing the number of boreholes to be screened and sampled.
- 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 measure evaluation plan (LANL 2008, 101718).

- In May 2008, in response to NMED comments on the MDA L subsurface vapor-monitoring plan (McInroy 2008, 104475), the Laboratory submitted a revised table of pore-gas monitoring locations to NMED. Samples for VOCs and tritium are to be collected in each geologic unit. Where two or more ports are constructed in the same geologic unit, the port closest to the base of the disposal pits is to be sampled. Approved pore-gas monitoring locations, port depths, and corresponding sampling intervals for MDA L are presented in Table 1.0-1.

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 (COPCs) in the subsurface at MDA L. The COPCs include 1,1,1-trichloroethane (TCA)—the predominant VOC detected in pore gas—followed by trichloroethene (TCE), tetrachloroethene (PCE), and tritium.

Analyses of the pore-gas monitoring data indicate there are two sources of the subsurface vapor-phase VOC plume: the eastern source area (shafts 1 to 28) and the western source area (shafts 29 to 34). Sample results from both source areas show the presence of TCA. Vertically, the plume extends between the ground surface and the top of the basalt (approximately 320 ft bgs). The plume has not changed significantly since 1999 in size, contaminant concentration, or composition (LANL 2008, 101718).

2.0 SCOPE OF ACTIVITIES

Vapor-sampling activities were implemented in accordance with the vapor-monitoring plan (LANL 2007, 099372), approved with modifications by NMED (2007, 098999), and with the revised table of monitoring boreholes submitted to NMED in May 2008 (McInroy 2008, 104475). VOC and tritium samples were collected from each stratigraphic unit. Where two or more vapor-sampling ports are constructed in the same stratigraphic unit, the port closest to the base of the disposal units is sampled.

Fourth-quarter FY2009 vapor-monitoring activities were conducted from July 16 to August 19, 2009. Vapor-monitoring borehole locations, port depths, and corresponding sampling intervals that were field-screened and sampled are presented in Table 2.0-1. The following activities were conducted:

- Each sampling interval was purged to ensure that formation air was being sampled, in accordance with Standard Operating Procedure EP-ERSS-5074.
- Pore gas from each accessible sample interval was field-screened for carbon dioxide (CO_2) and oxygen (O_2) using a Landtec GEM-500 and for selected VOCs, CO_2, and water vapor using a Brüel and Kjær (B&K) Type 1302 multigas photoacoustic analyzer. Pressure differential (kPa) was also measured at each accessible instrumented interval.
- Vapor samples were collected from selected depth intervals in SUMMA canisters for laboratory analyses of VOCs using EPA Method TO-15. Sampled depth intervals are presented in Table 2.0-1 as bolded depth intervals.
- Tritium samples were collected in silica gel columns from selected depth intervals for laboratory analysis using EPA Method 906.0.
- A total of 169 ports in 26 boreholes and 1 open borehole (location 54-24399 at the depth interval of 550 to 608 ft bgs) were field-screened for VOCs using the Landtec and B&K analyzer.

- A total of 83 VOC samples were collected in SUMMA canisters from 83 ports in 23 boreholes; 1 VOC sample was collected from the 550- to 608-ft-bgs sample interval in borehole location 54-24399.
- A total of 83 tritium samples were collected from 83 ports in 23 boreholes; 1 tritium sample was collected from the 550- to 608-ft-bgs sample interval in borehole location 54-24399.

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

2.1 Fourth-Quarter Deviations

The following deviations occurred during fourth-quarter FY2009 sampling activities.

- Tritium and VOC samples were not collected from the 120-ft port depth at borehole location 54-02021 because this port was blocked. A tritium sample and a VOC sample were collected from the next available port below, at a depth of 160 ft, in addition to the samples collected from the other three NMED-required depths (20, 100, and 140 ft) at this location.
- Tritium and VOC samples were not collected from the 120-ft port depth at borehole location 54-02024 because this port was blocked. A tritium sample and VOC sample were collected from the next available port below, at a depth of 140 ft, in addition to the samples collected from the other three NMED-required depths (40, 100, and 160 ft) at this location.
- Borehole location 54-24244 was not field-screened or sampled. The Flexible Liner Underground Technology (FLUTe) vapor-sampling system installed in this borehole was damaged when it fell to the bottom of the borehole shortly after installation. Borehole location 54-24244 is not repairable. The monitoring system will be replaced by drilling a new borehole location to accommodate sampling during first quarter FY2010.
- A number of ports listed for screening within Table 1.0-1 were not screened because of inadequate airflow. These blocked ports include the following borehole locations: 54-01016 at 414.3 and 459.5 ft bgs, 54-02001 at 180 ft bgs, 54-02002 at 80 ft bgs, 54-02016 at 18 ft bgs, 54-02021 at 80 and 120 ft bgs, and 54-02024 at 120 ft bgs. These blocked ports cannot be cleared.

3.0 REGULATORY CRITERIA

The Consent Order does not identify cleanup standards, risk-based screening levels (SLs), risk-based cleanup goals, or other regulatory criteria for pore gas. 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 in the Consent Order. The analysis evaluated the groundwater concentration that would be in equilibrium with the maximum pore gas concentrations of VOCs detected at MDA L, if the pore gas concentration were in equilibrium with groundwater, during the most recent round of monitoring. The equilibrium relationship between air and water concentrations is described by the following equation.

$$C_{water} = C_{air}/H' \qquad \textbf{Equation 3.0-1}$$

Where, C_{water} = the volumetric concentration of contaminant in water,

C_{air} = the volumetric concentration of contaminant in air, and

H' = dimensionless form of Henry's law constant.

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 pore-gas 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 constant that describe the equilibrium relationship between vapor and water concentrations. The source of the Henry's law constant is the NMED technical background document (NMED 2009, 106420) or the EPA regional screening tables (http://www.epa.gov/region06/6pd/rcra_c/pd-n/screen.htm). Some of the Henry's law constants have changed since the last quarter leading to changes in the calculated concentrations in pore gas corresponding to the groundwater standards. The following dimensionless form of Henry's law constant was used:

$$H' = \frac{C_{air}}{C_{water}} \qquad \textbf{Equation 3.0-2}$$

Equation 3.0-2 can be used to calculate the following screening value (SV):

$$SV = \frac{C_{air}}{1000 \times H' \times SL} \qquad \textbf{Equation 3.0-3}$$

where C_{air} is the concentration of a particular VOC in the pore-gas sample (µg/m^3), H' is the dimensionless Henry's law constant, SL is the screening level (µg/L), and 1000 is a conversion factor from liter to cubic meter (L to m^3). The SLs are the groundwater standards or tap water SLs. The groundwater standards are the EPA maximum contaminant level (MCL) or New Mexico Water Quality Control Commission (NMWQCC) groundwater standard, whichever is lower. If there is no MCL or NMWQCC standard, the EPA regional tap water SL (http://www.epa.gov/region06/6pd/rcra_c/pd-n/screen.htm) is used and adjusted to 10^{-5} risk for carcinogens. The numerator in Equation 3.0-3 is the actual concentration of the VOC in pore gas, and the denominator represents the concentration in pore gas needed to exceed the SL. Therefore, if the SV is less than 1, the concentration of the VOC in pore gas does not exceed the SL, even if the VOC plume were in direct contact with groundwater. Table 3.0-1 presents the calculated concentrations of contaminants in pore gas corresponding to groundwater SLs. Table 3.0-2 shows the SVs calculated for the maximum-detected VOCs during fourth-quarter FY2009. Table 3.0-3 shows the SVs calculated for the 10 VOCs detected, during fourth-quarter FY2009, in the deepest borehole location sampled, 54-24399. Table 3.0-4 shows the SVs calculated for the maximum-detected VOCs during all four quarters of FY2009.

4.0 FIELD-SCREENING RESULTS

Fourth-quarter FY2009 vapor-monitoring field-screening activities were conducted at MDA L from July 16 to August 19, 2009. Sampling locations are shown in Figure 1.0-2. Monitoring activities included field-screening of subsurface vapor for VOCs, water vapor, and percent CO_2 and O_2.

Before sampling, each sampling interval was purged 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-electonvolt lamp to measure percent CO_2 and O_2. Each interval was monitored with the Landtec until CO_2 and O_2 readings stabilized. The stabilized percent CO_2 and O_2 values measured at each port depth in each borehole for the fourth quarter of FY2009 and the previous three quarters are provided in Table 4.0-1. After purging and stabilization, VOC field-screening results were collected using

a B&K Type 1302 multigas photoacoustic analyzer to estimate VOC concentrations. The B&K is calibrated for analysis of four VOCs: trichlorofluoromethane (Freon-11), PCE, TCA, and TCE. It also measures CO_2 and water vapor. The stabilized B&K field-monitoring values for the fourth quarter of FY2009 and the previous three quarters are provided in Table 4.0-2. The field-screening QA/QC program is summarized in Appendix B, section B-5.0.

Blocked ports were observed in the following borehole locations: 54-01016 at 414.3 and 459.5 ft bgs, 54-02001 at 180 ft bgs, 54-02002 at 80 ft bgs, 54-02016 at 18 ft bgs, 54-02021 at 80 and 120 ft bgs, and 54-02024 at 120 ft bgs. These ports did not produce adequate airflow to collect representative B&K field-screening measurements. A low B&K CO_2 reading is one indicator of blocked or partially-blocked ports. Low B&K CO_2 readings were observed in the following borehole locations: 54-01016 at 336.3 and 517.6 ft bgs, 54-02023 at 120, 140, and 180 ft bgs, and 54-02031 at 220 ft bgs. Flow through the Landtec was acceptable for CO_2 and O_2 readings measured in blocked ports (inadequate airflow) and ports with low B&K CO_2, but may not be representative of pore-gas conditions (versus ambient surface air conditions). Blocked ports and ports presenting low B&K CO_2 readings are identified in Table 2.0-1. According to the NMED-approved borehole locations shown in Table 1.0-1, VOC and tritium samples are not required to be collected from the blocked ports in borehole locations 54-01016, 54-02001, 54-02002, 54-02016, and 54-02021 at the 80-ft port depth. VOC and tritium samples were to be collected at 120 ft bgs in borehole locations 54-02021 and 54-02024. As noted in the fourth-quarter deviations (section 2.1), VOC and tritium samples were collected at alternate port depths in these two borehole locations.

5.0 ANALYTICAL DATA RESULTS

Fourth-quarter FY2009 vapor-sampling activities were conducted at MDA L from July 16 to August 19, 2009. Borehole sampling locations and port depths provided in Table 2.0-1 are highlighted in bold text. Borehole sampling locations are shown in Figure 1.0-2. Vapor samples were collected in SUMMA canisters and submitted for laboratory analyses of VOCs according to EPA Method TO-15. Table 5.0-1 and Appendix C present the detected concentrations of VOCs in MDA L vapor samples during the fourth quarter of FY2009 and the three previous quarters. Detected VOC concentrations for all fourth quarter FY2009 sampling locations are shown on Plate 1.

Vapor samples were also collected in silica gel columns and submitted for laboratory analysis of tritium according to EPA Method 906.0. Table 5.0-2 presents the detected activity levels of tritium in MDA L vapor samples during the fourth quarter of FY2009 and the three previous quarters. Detected tritium activity levels for all fourth-quarter FY2009 sampling locations are shown in Figure 5.0-1.

VOC and tritium analytical data were reviewed in accordance with the QA/QC program presented in Appendix B. Analytical data and reports for the fourth quarter FY2009 and the three previous quarters are included in Appendix C (on DVD included with this document).

A systematic low bias in previously reported tritium pore-gas measurements was identified by the Laboratory during previous data analyses (Whicker et al. 2009, 106429). The low bias resulted from the properties of silica gel, the medium used to collect water vapor from pore-gas samples. Drying the silica gel before it is used in sampling cannot completely remove the water bound to the silica gel molecules without degrading the silica gel properties. Thus, when water vapor is collected from the pore gas, the tritiated water vapor is diluted into the water that is already bound to the silica gel. To analyze the sample, all of the water (including the bound water) is driven off of the silica gel at a much higher temperature than for the initial drying done before sampling. The tritium concentrations were corrected to account for dilution due to the bound water using the percent moisture value measured by the analytical laboratory.

5.1 Data Summary

During the fourth quarter of FY2009, 24 VOCs were detected at least once in laboratory-analyzed vapor samples collected from MDA L. TCA and 1,1,2-trichloro-1,2,2,-trifluoroethane were detected in all 83 pore-gas samples analyzed for VOCs. TCA was the VOC detected at the highest concentration, and was detected at a maximum concentration of 2,400,000 µg/m^3 (4,400,000 ppbv) in borehole locations 54-27642 at the 30-ft port depth and 54-02089 at the 46-ft port depth (Table 5.0-1). The highest TCA concentration was detected in borehole location 54-27642 at the 30-ft port depth in all four quarters of FY2009. Also detected in at least 90% of fourth-quarter FY2009 samples analyzed were TCE, 1,1-dichloroethene, PCE, and 1,1-dichloroethane. Fourth-quarter FY2009 VOC concentrations were consistent with VOC concentrations detected during previous sampling events (Table 5.0-1).

Maximum VOC concentrations detected in laboratory-analyzed samples from the seven western borehole locations were found at depths ranging from 32 to 140 ft bgs. Within these borehole locations, concentrations of the five most common VOCs (TCA, 1,1,2-trichloro-1,2,2-trifluoroethane, TCE, 1,1-dichloroethene, and PCE) increase to a certain depth then decrease to the total depth (TD) of the borehole. In five of these western borehole locations (54-02021, 54-02022, 54-02031, 54-02034, and 54-24240), the depth of maximum VOC concentrations occurred between 53 and 140 ft bgs. In the other two western borehole locations (54-02001 and 54-27641), the highest VOC concentrations were in the shallowest interval sampled at 32 or 40 ft bgs (Plate 1).

The highest VOC concentrations in six of the eastern boreholes (54-02023, 54-02024, 54-02025, 54-02026, 54-02027, 54-02028) generally occurred in the deepest interval sampled between 159 and 200 ft bgs. VOC concentrations generally increased to maximums between 117 and 167 ft bgs in the two deeper eastern borehole locations (54-27642 and 54-27643) sampled, then decreased to the TD of the borehole. Two exceptions to this highest-concentrations-at-depth trend include the highest TCA and 1,1,2-trichloro-1,2,2,-trifluoroethane concentrations collected from eastern borehole location 54-27642 at the 30-ft port depth, which subsequently decreased with depth. Concentrations at eastern borehole locations 54-02002 and 54-24243 also deviated from this trend, with the peak concentrations of 12 and 9 VOCs, respectively, detected in shallower intervals at 75 and 100 ft bgs; then the concentrations decreased with depth (Plate 1).

Three eastern borehole locations (54-02016, 54-02089, and 54-24238) and three borehole locations in the middle of MDA L (54-24239, 54-24242, and 54-24399) did not have enough depth intervals sampled to demonstrate a concentration change with depth. All boreholes were sampled at multiple depths, except borehole locations 54-24399 and 54-24238, where only one depth was required to be sampled. The Otowi Member of the Bandelier Tuff (Qbo) was sampled at borehole locations 54-02034, 54-27641, 54-24399, 54-27642, and 54-27643. The 120-ft port depth at borehole location 54-02023 had the lowest detected concentrations of TCA, TCE, PCE, Freon-11, and 1,1-dichloroethene. Field-screening results recorded from this port depth showed decreased CO_2 levels, which indicate a partially-blocked port. Excluding the results from borehole location 54-02023 (120-ft port depth), the lowest VOC concentrations of TCA, 1,1,2-trichloro-1,2,2-trifluoroethane, Freon-11, 1,1-dichloroethene, chloroform, 1,1-dichloroethane, 1,2-dichloroethane, 1,2-dichloropropane, and toluene were detected in the pore-gas samples collected from the Qbo interval just above the basalt. The lowest concentrations for the other two common VOCs, TCE and PCE, were detected in samples collected from the Qbt 2 interval at borehole location 54-02026 and the Qct interval at borehole location 54-02034, respectively (Plate 1).

The seven VOCs detected in more than 90% of the 332 pore-gas samples collected at MDA L boreholes in FY2009 were TCA, 1,1,2-trichloro-1,2,2-trifluoroethane, TCE, 1,1-dichloroethene, 1,1-dichloroethane, Freon-11, and chloroform. Detected concentrations of these VOCs do not appear to attenuate with time except for 1,1-dichloroethene, which had much higher concentrations in most borehole samples in the

first quarter of FY2009 than the other three quarters. Carbon tetrachloride, dichlorodifluoromethane, 1,2-dichloroethane, and 1,2-dichloropropane were detected in more than 200 pore-gas samples in FY2009. In less than 10 samples collected during FY2009, 9 VOCs were detected. These VOCs were acetone, 2-butanone, carbon disulfide, cyclohexane, trans-1,2-dichloroethene, ethylbenzene, methanol, 2-propanol, and propylene. The other VOCs detected were benzene, ethanol, toluene, 1,2-xylene, hexane, tetrahydrofuran, chlorobenzene, and 1,3-xylene+1,4-xylene. All of the xylene isomers and chlorobenzene were detected in pore-gas samples from the eastern boreholes.

In the deepest borehole location, 54-24399, there was at least one detection of 16 different VOCs during FY2009; TCA, 1,1,2-trichloro-1,2,2-trifluoroethane, TCE, 1,1-dichloroethene, PCE, Freon-11, dichlorodifluoromethane, carbon tetrachloride, methylene chloride, 1,1-dichloroethane, chloroform, 1,2-dichloropropane, toluene, acetone, 2-butanone, and 1,2-dichloroethane were detected at low concentrations. Other VOCs detected in pore-gas samples collected from the Otowi Member include those collected from the deepest ports of the eastern borehole locations 54-27642 (338 ft bgs) and 54-27643 (354 ft bgs) and western borehole locations 54-27641 (332.5 ft bgs) and 54-02034 (300 ft bgs). VOCs detected in the deepest port from borehole location 54-27642 included the first 13 of those VOCs listed from borehole location 54-24399, plus benzene and hexane. VOCs detected in the deepest port from borehole location 54-27643 included the first 13 of those VOCs listed from borehole location 54-24399, plus benzene, hexane, ethanol, and propylene. The first 11 of these VOCs were detected in the deepest port depth of western borehole location 54-27641. Acetone, carbon disulfide, and the first 8 of the VOCs listed were detected in pore gas samples from the deepest port depth of the westernmost borehole location, 54-02034.

Tritium results were generally consistent with results from the previous three quarters. During the fourth quarter of FY2009, tritium was detected in 47 of the 83 samples analyzed at activity levels ranging from 254 to 379,494 pCi/L. The maximum tritium activity level (379,494 pCi/L) detected was collected from the 75-ft port depth in borehole location 54-24243. This activity level is similar to the highest tritium results for the other three quarters of FY2009 at the same depth in this borehole. Borehole location 54-24243 is located about 40 ft south of the eastern MDA L shaft field. The base of the shaft field is at a depth of about 60 ft bgs, which is located within the same formation (unit Qbt 1v) as the 75-ft port depth. The second highest tritium result (37,573 pCi/L), measured during the fourth quarter FY2009 from the 125-ft port depth in borehole location 54-24243, is about one-tenth of the maximum tritium activity. Of the remaining 45 tritium detections, there was 1 estimated detection, 4 were greater than 10,000 pCi/L, 17 were between 1000 and 10,000 pCi/L, and 23 were less than 1000 pCi/L.

5.2 Data Evaluation

A screening evaluation was performed to evaluate if the VOC concentrations detected during the fourth quarter of FY2009 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 constant that describe the equilibrium relationship between vapor and water concentrations (see section 3.0).

SVs were calculated using Equation 3.0-3 for the maximum concentrations of VOCs detected in pore-gas samples at MDA L during the fourth quarter of FY2009. The screening evaluated 23 detected VOCs for which there are MCLs, NMWQCC standards, or EPA regional tap water SLs (Table 3.0-2). Twelve VOCs had SVs greater than 1.0, benzene; carbon tetrachloride; chloroform; 1,1-dichloroethane; 1,2-dichloroethane; 1,1-dichloroethene; 1,2-dichloropropane; methanol; methylene chloride; PCE; TCA; and TCE. The highest SV was for 1,2-dichloroethane (SV of 2458). Because some SVs exceed 1.0, further screening was performed on the VOC concentrations detected in the deepest pore-gas sample

(i.e., the sample closest to the regional aquifer). Ten VOCs were detected in the deepest sample (depth interval from 505 to 608 ft) from borehole location 54-24399. Screening of these 10 VOCs resulted in SVs below 1.0 (Table 3.0-3). Based on this evaluation, the concentrations of VOCs in the pore gas beneath MDA L do not pose an immediate potential source of groundwater contamination.

SVs were calculated using Equation 3.0-3 for the maximum concentrations of VOCs detected in pore-gas samples at MDA L during all four quarters of FY2009. The screening evaluated the maximum concentrations for 30 detected VOCs for which there are MCLs, NMWQCC standards, or EPA regional tap water SLs (Table 3.0-4). The same 12 SVs that exceeded 1.0 during the fourth quarter exceeded SVs for all four quarters in FY2009.

Linear correlation graphs for the FY2009 B&K screening results versus the analytical results for TCA, TCE, PCE, and Freon-11 are provided in Figures 5.2-1 through 5.2-6. All negative B&K results were removed in order to perform the correlations. Figure 5.2-1 shows a linear correlation between EPA Method TO-15 TCA results and the B&K results, but they are skewed towards higher analytical results with a coefficient of determination (R^2) of 0.5723. This indicates only 57% of the analytical data can be predicted by the B&K screening data. If statistical outliers are removed (those points greater than the mean $\pm$ 3 standard deviations), the TCA results correlation in Figure 5.2-2 applies, with an R^2 of 0.923. This demonstrates an excellent linear correlation between the B&K screening method and EPA Method TO-15. Figure 5.2-3 shows the TCE results with an R^2 of 0.9016, which improves slightly to an R^2 of 0.9093 in Figure 5.2-4 with the statistical outliers removed. Figure 5.2-5 indicates a poor correlation between screening versus analytical results for Freon-11 with an R^2 of 0.3384. PCE analytical results are also poorly predicted by the B&K screening with an R^2 of 0.1073, as shown in Figure 5.2-6.

6.0 SUMMARY

The purpose of monitoring pore gas at MDA L is to identify changes in the configuration of the plumes, monitor changes in contaminant concentration distribution, and identify data needs for future modeling or trend analyses. The results from the fourth quarter FY2009 monitoring event are summarized as follows.

- VOCs were detected in all 83 pore-gas samples analyzed during the fourth quarter of FY2009.
- VOC concentrations are consistent with concentrations reported during the previous three quarters of sampling.
- VOC concentrations generally increase from the ground surface to a maximum concentration between 32 and 140 ft bgs in the western borehole locations. VOC concentrations generally decrease with depth from the maximum concentration to the borehole TDs in five western borehole locations. The highest VOC concentrations in the other two western borehole locations were in the shallowest interval sampled; the concentrations then decreased toward the TD of the borehole.
- VOC concentrations generally increased with depth to a maximum concentration at the deepest interval between 100 and 200 ft bgs in six eastern borehole locations. In the two eastern borehole locations that were drilled into deeper formations, VOC concentrations generally increased to maximum concentrations in the same interval of 100 and 200 ft bgs, then decreased with depth. Two other eastern borehole locations had VOC concentrations that decreased with depth from the shallowest interval.

- VOC concentrations measured at the deepest depth interval (505 to 608 ft bgs) in borehole location 54-24399, drilled into the Cerros del Rio basalt, were below an SV of 1.0, indicating that VOCs do not pose an immediate potential source of groundwater contamination because SVs do not exceed groundwater standards.
- Analytical laboratory results for tritium have been corrected to account for the impact of silica gel-bound water. All values presented in this report (including those provided in Appendix C) have been corrected. All discussions of data values, detections, and trends present the corrected tritium concentrations.
- Tritium was detected in 47 of the 83 samples analyzed during the fourth quarter of FY2009.
- Tritium activities are consistent with activities reported during the previous three quarters of sampling.
- Tritium activities ranged from 254 to 379,494 pCi/L, and varied with depth and location.

The pore-gas sampling results from all four quarters of FY2009 are summarized as follows.

- Seven VOCs detected in more than 90% of the 332 pore-gas samples collected from MDA L borehole locations were TCA, 1,1,2-trichloro-1,2,2-trifluoroethane, TCE, 1,1-dichloroethene, 1,1-dichloroethane, Freon-11, and chloroform. Concentrations of these VOCs do not appear to attenuate with time, except for 1,1-dichloroethene.
- In the deepest borehole location, 54-24399, there was at least one detection of 16 different VOCs, and many of these were minimum-detected concentrations.
- The highest tritium activity level was detected in the pore-gas samples collected from the 75-ft port depth in borehole location 54-24243, in all four quarters of FY2009. This tritium activity level was collected on May 12, 2009. The peak tritium levels were 3- to 14-times higher than the second highest activity level in each quarter.
- If statistical outliers are removed, B&K screening results can predict 90% to 92% of the TCA and TCE analytical results using EPA Method TO-15. B&K screening results are a poor predictor of Freon-11 and PCE analytical results.

7.0 REFERENCES AND MAP 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.

LANL (Los Alamos National Laboratory), May 1992. "RFI Work Plan for Operable Unit 1148," Los Alamos National Laboratory document LA-UR-92-855, Los Alamos, New Mexico. (LANL 1992, 007669)

LANL (Los Alamos National Laboratory), May 22, 1998. "Hydrogeologic Workplan," Los Alamos National Laboratory document LA-UR-01-6511, Los Alamos, New Mexico. (LANL 1998, 059599)

LANL (Los Alamos National Laboratory), November 2004. "Investigation Work Plan for Material Disposal Area L, Solid Waste Management Unit 54-006 at Technical Area 54, Revision 2," Los Alamos National Laboratory document LA-UR-04-8245, Los Alamos, New Mexico. (LANL 2004, 087624)

LANL (Los Alamos National Laboratory), September 2005. "Investigation Report for Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54," Los Alamos National Laboratory document LA-UR-05-5777, Los Alamos, New Mexico. (LANL 2005, 092591)

LANL (Los Alamos National Laboratory), November 2006. "Summary Report: 2006 In Situ Soil Vapor Extraction Pilot Study at Material Disposal Area L, Technical Area 54, Los Alamos National Laboratory," Los Alamos National Laboratory document LA-UR-06-7900, Los Alamos, New Mexico. (LANL 2006, 094152)

LANL (Los Alamos National Laboratory), August 2007. "Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area L at Technical Area 54," Los Alamos National Laboratory document LA-UR-07-5460, Los Alamos, New Mexico. (LANL 2007, 098712)

LANL (Los Alamos National Laboratory), October 2007. "Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area L at Technical Area 54, Revision 1," Los Alamos National Laboratory document LA-UR-07-7040, Los Alamos, New Mexico. (LANL 2007, 099372)

LANL (Los Alamos National Laboratory), January 2008. "Corrective Measures Evaluation Report for Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54," Los Alamos National Laboratory document LA-UR-08-0050, Los Alamos, New Mexico. (LANL 2008, 101718)

McInroy, D., May 22, 2008. RE: Clarification NMED Letter Re: MDA L Subsurface V-M Plan Approval w/ Mods. E-mail message to D. Cobrain (NMED) and S. Paris (LANL) from D. McInroy (LANL), Los Alamos, New Mexico. (McInroy 2008, 104475)

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)

NMED (New Mexico Environment Department), November 8, 2007. "Approval with Modifications for the Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area (MDA) L, Solid Waste Management Unit 54-006, at Technical Area 54, Revision 1," 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, 098999)

NMED (New Mexico Environment Department), August 2009. "Technical Background Document for Development of Soil Screening Levels, Revision 5.0," New Mexico Environment Department, Hazardous Waste Bureau and Ground Water Quality Bureau Voluntary Remediation Program, Santa Fe, New Mexico. (NMED 2009, 106420)

Rogers, M.A., June 1977. "History and Environmental Setting of LASL Near-Surface Land Disposal Facilities for Radioactive Wastes (Areas A, B, C, D, E, F, G, and T)," Vol. I, Los Alamos Scientific Laboratory report LA-6848-MS, Los Alamos, New Mexico. (Rogers 1977, 005707)

Rogers, M.A., June 1977. "History and Environmental Setting of LASL Near-Surface Land Disposal Facilities for Radioactive Wastes (Areas A, B, C, D, E, F, G, and T)," Vol. II, Los Alamos Scientific Laboratory report LA-6848-MS, Los Alamos, New Mexico. (Rogers 1977, 005708)

Whicker, J.J., J.M. Dewart, S.P. Allen, W.F. Eisele, M.C. McNaughton, and A.A. Green, June 17, 2009. "Corrections for Measurement of Tritium in Subterranean Vapor Using Silica Gel," Los Alamos National Laboratory document LA-UR-09-03837, Los Alamos, New Mexico. (Whicker et al. 2009, 106429)

7.2 Map Data Sources

Legend Item	Data Source
10-ft elevation contour	Hypsography, 10-ft Contour Interval; Los Alamos National Laboratory, ENV Environmental Remediation and Surveillance Program; 1991.
10-ft elevation contour	Hypsography, 20-ft Contour Interval; Los Alamos National Laboratory, ENV Environmental Remediation and Surveillance Program; 1991.
100-ft elevation contour	Hypsography, 100-ft Contour Interval; Los Alamos National Laboratory, ENV Environmental Remediation and Surveillance Program; 1991.
Disposal pit/impoundment Disposal shaft	Waste Storage Features; Los Alamos National Laboratory, Environment and Remediation Support Services Division, GIS/Geotechnical Services Group, EP2007-0032; 1:2,500 Scale Data; April 13, 2007.
Fence	Security and Industrial Fences and Gates; Los Alamos National Laboratory, KSL Site Support Services, Planning, Locating and Mapping Section; January 6, 2004; as published October 15, 2008.
Laboratory boundary	LANL Areas Used and Occupied; Los Alamos National Laboratory, Site Planning and Project Initiation Group, Infrastructure Planning Office; September 19, 2007; as published December 4, 2008.
MDA L	Materials Disposal Areas; Los Alamos National Laboratory, ENV Environmental Remediation and Surveillance Program; ER2004-0221; 1:2,500 Scale Data; April 23, 2004.
Paved road	Paved Road Arcs; Los Alamos National Laboratory, KSL Site Support Services, Planning, Locating and Mapping Section; January 6, 2004; as published October 15, 2008.
Primary paved road Secondary paved road	Road Centerlines for the County of Los Alamos; County of Los Alamos, Information Services; as published December 3, 2007.

Legend Item	Data Source
Structure	Paved Road Arcs; Los Alamos National Laboratory, KSL Site Support Services, Planning, Locating and Mapping Section; January 6, 2004; as published October 15, 2008.
Technical Area boundary TA 54	Technical Area Boundaries; Los Alamos National Laboratory, Site Planning and Project Initiation Group, Infrastructure Planning Office; September 2007; as published December 4, 2008.
Unpaved road	Dirt Road Arcs; Los Alamos National Laboratory, KSL Site Support Services, Planning, Locating and Mapping Section; January 6, 2004; as published October 15, 2008.
Vapor-monitoring well	Point Feature Locations of the Environmental Restoration Project Database; Los Alamos National Laboratory, Waste and Environmental Services Division, EP2008-0592; November 4, 2008.

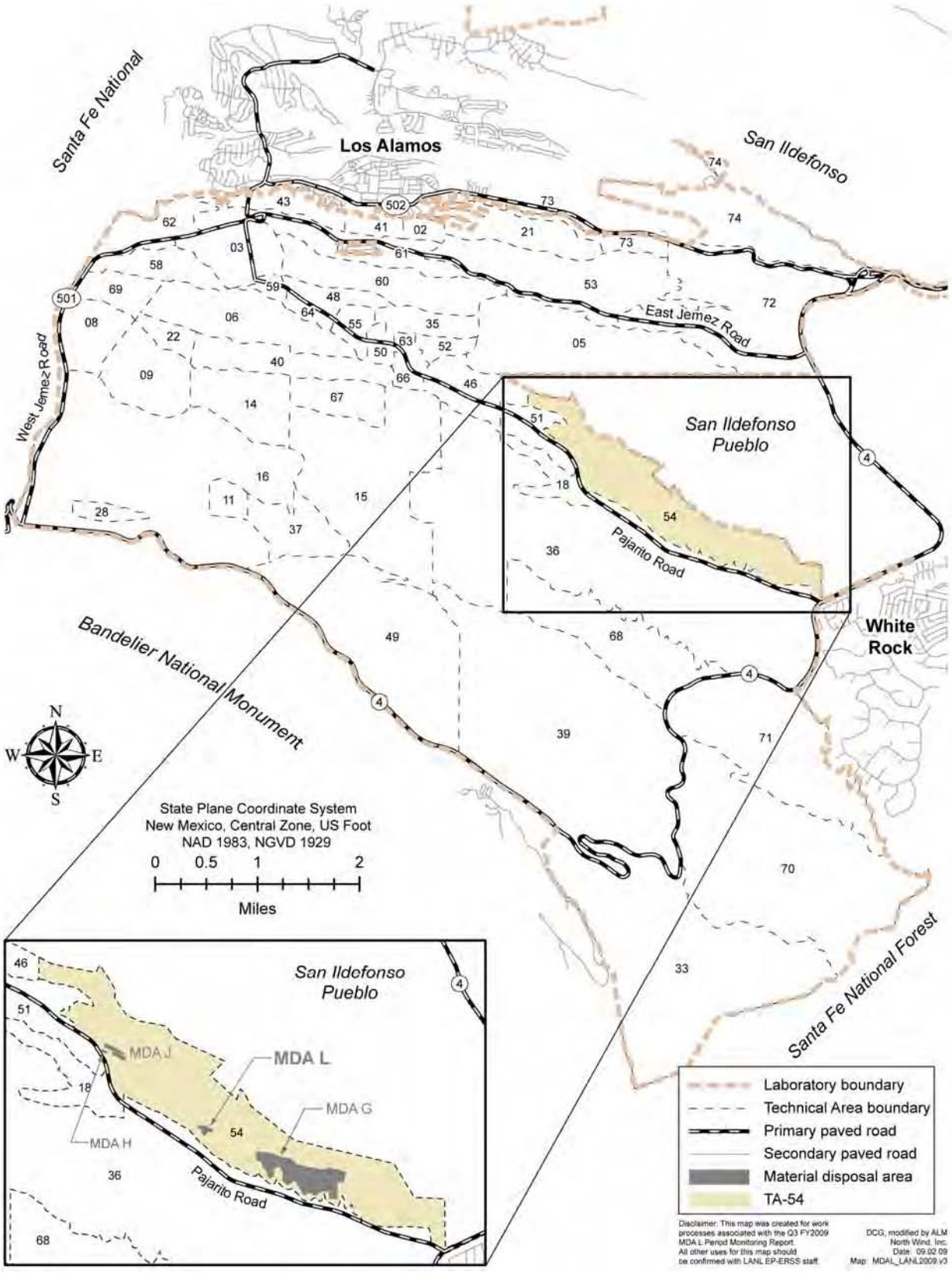


Figure 1.0-1 MDA L in TA-54 with respect to Laboratory TAs and surrounding land holdings

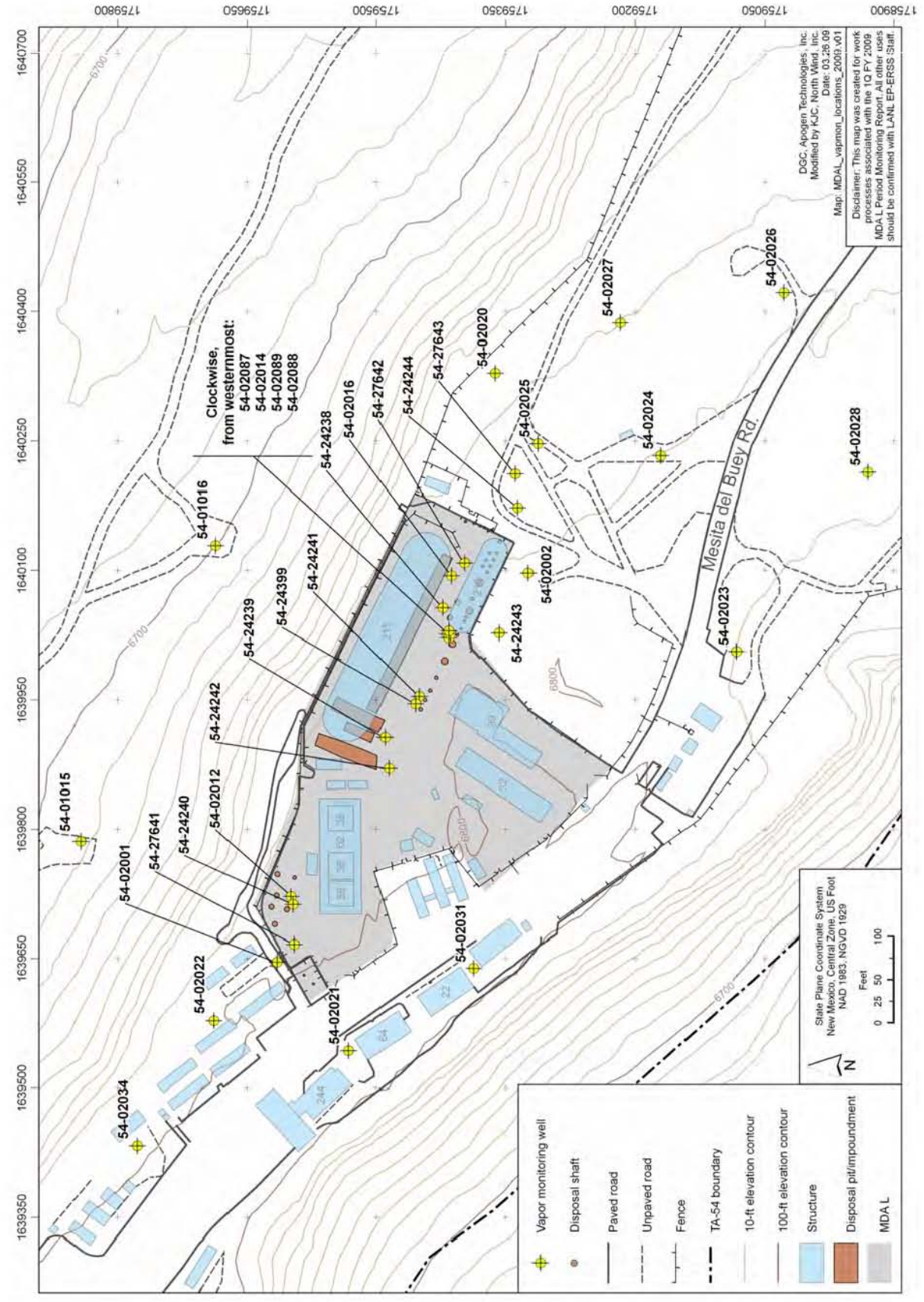


Figure 1.0-2 MDA L pore-gas monitoring boreholes

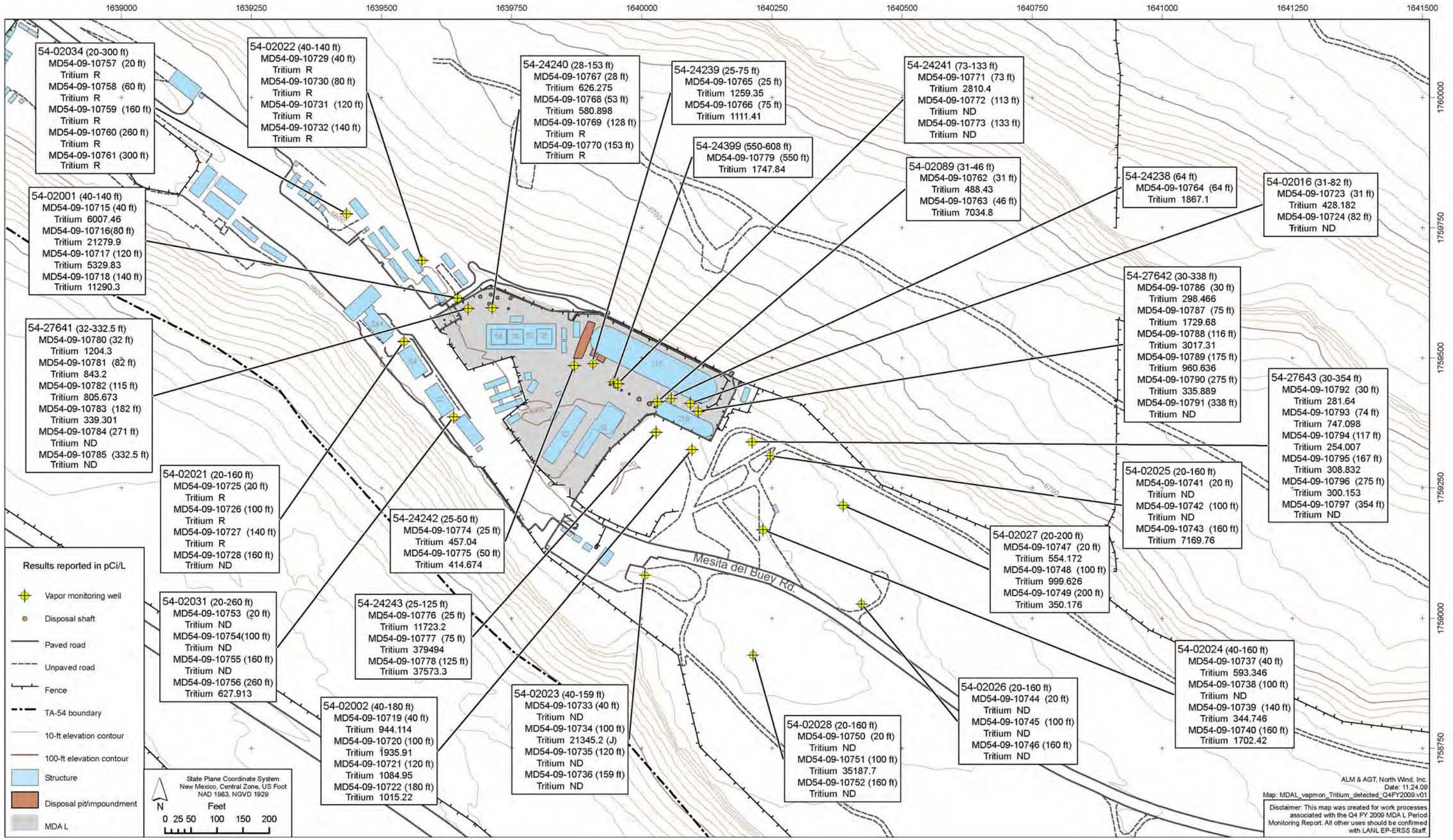


Figure 5.0-1 Tritium detected in vapor samples at MDA L

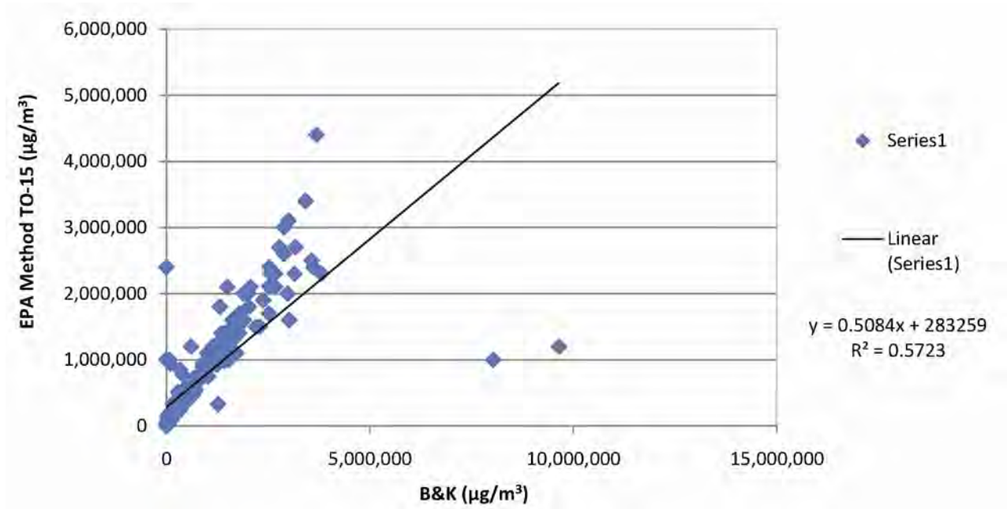


Figure 5.2-1 TCA data correlation

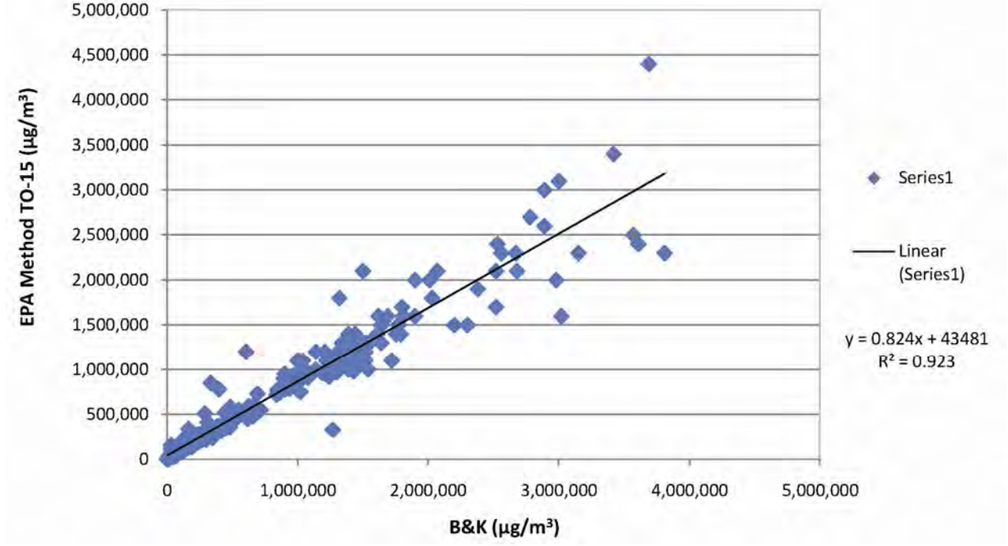


Figure 5.2-2 TCA data correlation with statistical outliers removed

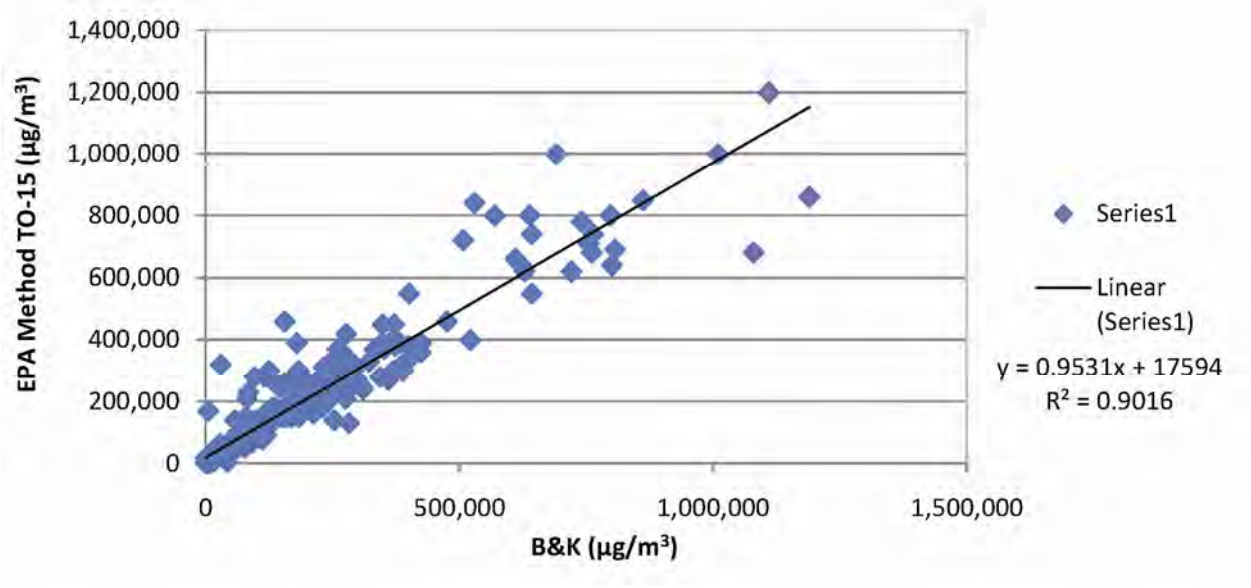


Figure 5.2-3 TCE data correlation

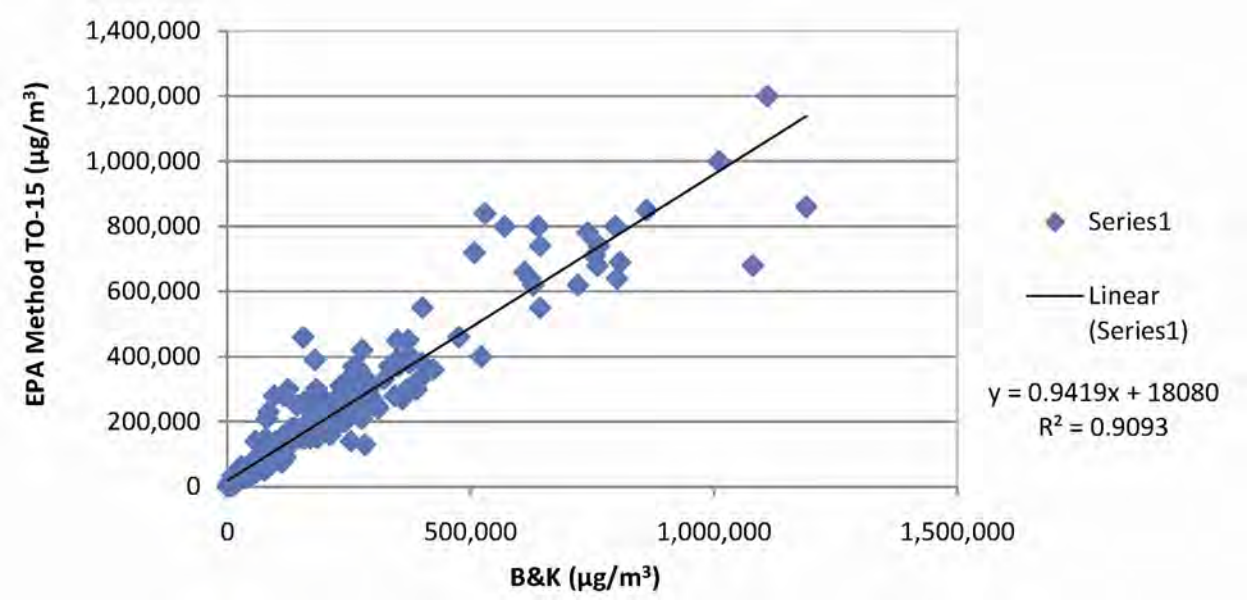


Figure 5.2-4 TCE data correlation with statistical outliers removed

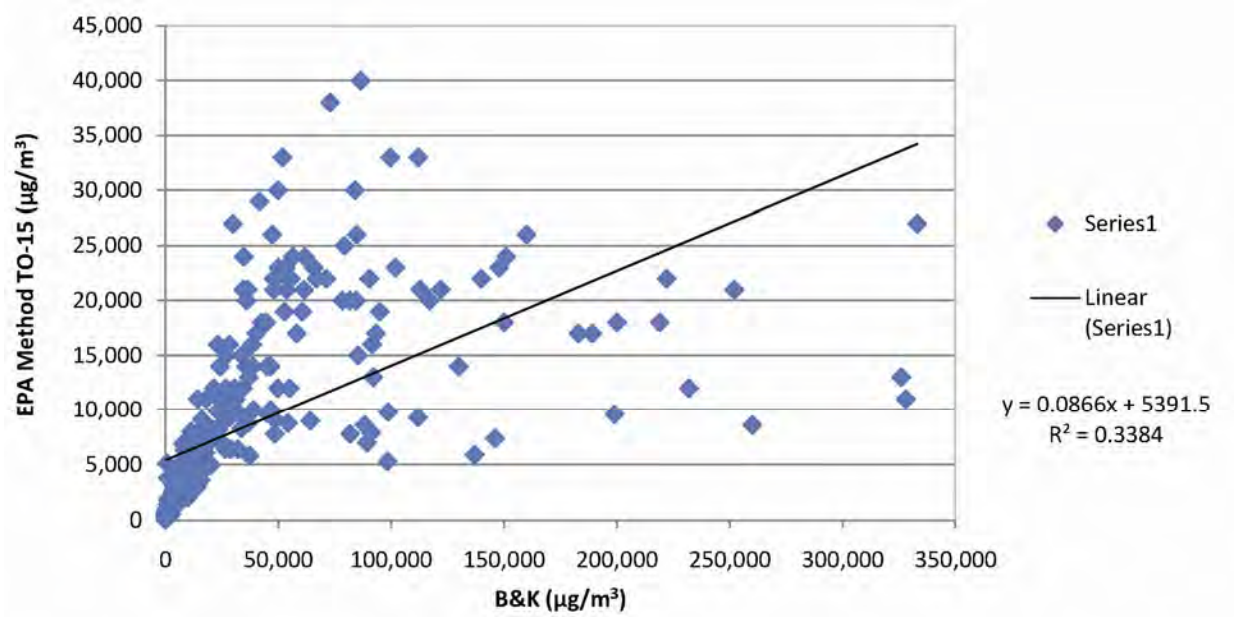


Figure 5.2-5 Freon-11 data correlation

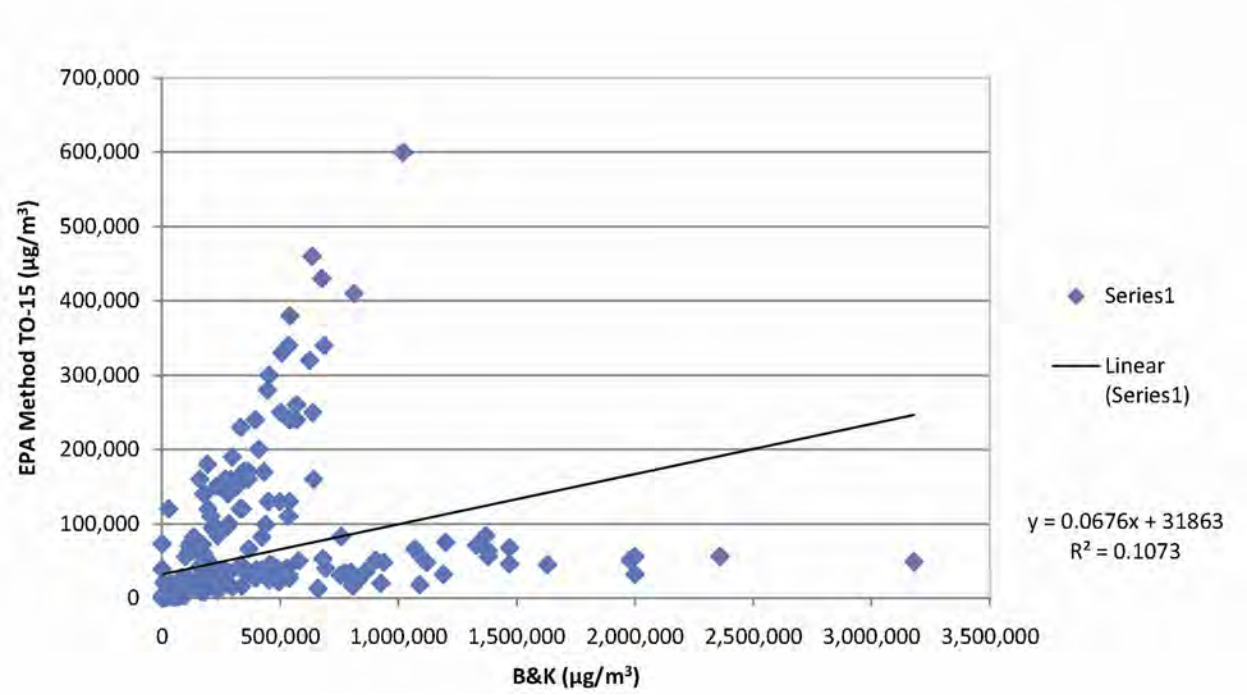


Figure 5.2-6 PCE data correlation

Table 1.0-1
NMED-Approved MDA L Subsurface Vapor-Monitoring Locations, Port Depths, and Corresponding Sampling Intervals

Borehole ID	VOC and Tritium Sampling Port-Depth Intervals (ft bgs)
54-01015[a]	37.6 (36–46), 165.4 (182–192), 308.3 (340–352), 333.3 (375–385), 377.7 (425–435), 426.5 (480–490), 462.1 (520–530)
54-01016[a]	30.8 (30–40), 162.2 (178–190), 274.7 (318–324), 336.3 (386–396), 414.3 (473–483), 459.5 (530–540), 517.6 (592–602)
54-02001	20 (17.5–22.5), **40 (37.5–42.5)**, 60 (57.5–62.5), **80 (77.5–82.5),** 100 (97.5–102.5), **120 (117.5–122.5)**, **140 (137.5–142.5),** 160 (157.5–162.5), 180 (177.5–182.5), 200 (197.5–202.5)
54-02002	20 (17.5–22.5), **40 (37.5–42.5),** 60 (57.5–62.5), 80 (77.5–82.5), **100 (97.5–102.5)**, **120 (117.5–122.5)**, 140 (137.5–142.5), 157 (154.5–159.5), **180 (177.5–182.5),** 200 (197.5–202.5)
54-02016	18 (15.5–20.5), **31 (28.5–33.5), 82 (79.5–84.5)**
54-02020	20 (10–30), 40 (30–50), 60 (50–70), 80 (70–90), 95 (90–110), 120 (110–130), 140 (130–150), 160 (150–170), 180 (170–190), 200 (190–210)
54-02021	**20 (10–30)**, 40 (30–50), 60 (50–70), 80 (70–90), **100 (90–110), 120 (110–130)**, **140 (130–150),** 160 (150–170), 180 (170–190), 198 (190–210)
54-02022	20 (17.5–22.5), **40 (37.5–42.5)**, 60 (57.5–62.5), **80 (77.5–82.5)**, 100 (97.5–102.5), **120 (117.5–122.5)**, **140 (137.5–142.5)**, 160 (157.5–162.5), 180 (177.5–182.5), 200 (197.5–202.5)
54-02023	20 (10–30), **40 (30–50)**, 60 (50–70), 80 (70–90), **100 (90–110), 120 (110–130)**, 140 (130–149), **159 (149–169)**, 180 (170–190), 200 (190–210)
54-02024	20 (10–30), **40 (30–50)**, 60 (50–70), 80 (70–90), **100 (90–110)**, **120 (110–130)**, 140 (130–150), **160 (150–170)**, 180 (170–190), 200 (190–210)
54-02025	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 190 (190)
54-02026	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 200 (200), 215 (215)
54-02027	**20 (20)**, 60 (60), **100 (100)**, 160 (160), **200 (200)**, 220 (220), 250 (250)
54-02028	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 200 (200), 220 (220), 250 (250)
54-02031	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 200 (200), 220 (220), **260 (260)**
54-02034	**20 (20)**, **60 (60),**100 (100), **160 (160)**, 200 (200), 220 (220), **260 (260)**, **300 (300)**
54-02089	13 (13), **31 (31)**, **46 (46)**, 86 (86)
54-24238	44 (43–45), **64 (63–65)**, 84 (83–85)
54-24239	**25 (24–26)**, 50 (49–51), **75 (74–76)**, 99.5 (98.5–100.5)
54-24240	**28 (27–29)**, **53 (52–54)**, 78 (77–79), 103 (102–104), **128 (127–129)**, **153 (152–154)**
54-24241	**73 (71–74)**, 93 (92–94), **113 (112–114)**, **133 (132–134)**, 153 (152–154), 173 (172–174), 193 (192–194)
54-24242	**25 (24–26)**, **50 (49–51)**, 75 (74–76), 100 (99–101), 110.5 (109.5–111.5)

Table 1.0-1 (continued)

Borehole ID	VOC and Tritium Sampling Port-Depth Interval (ft bgs)
54-24243	**25 (24–26)**, 50 (49–51), **75 (74–76)**, 100 (99–101), **125 (124–126)**
54-24244	**25 (25)**, 50 (50), 75 (75), **100 (100)**, **118.5 (118.5)**
54-24399[b]	**550 (550–608)**
54-27641	**32 (29.5–34.5)**, **82 (79.5–84.5)**, **115 (112.5–117.5)**, **182 (179.5–184.5)**, 232 (229.5–234.5), **271 (268.5–273.5)**, **332.5 (330–335)**
54-27642	**30 (27.5–32.5)**, **75 (71.5–76.5)**, **116 (114.5–119.5)**, **175 (172.5–177.5)**, 235 (232.5–237.5), **275 (272.5–277.5)**, **338 (335.5–340.5)**
54-27643	**30 (27.5–32.5)**, **74 (71.5–76.5)**, **117 (114.5–119.5)**, **167 (164.5–169.5)**, 235 (232.5–237.5), **275 (272.5–277.5)**, **354 (351.5–356.5)**

Notes: All depth intervals are field-screened. Depths highlighted in bold denote intervals where VOC and tritium samples are to be collected. If interval is not bolded, only VOC screening is to be conducted.

[a] Borehole location is an angled borehole. Port depth is depth below ground surface. Port-depth interval is length along borehole.

[b] Open borehole.

Table 2.0-1
Fourth Quarter FY2009 MDA L Subsurface Vapor-Monitoring Locations, Port Depths, and Corresponding Sampling Intervals that were Field-Screened and Sampled

Borehole ID	VOC and Tritium Sampling Port-Depth Intervals (ft bgs)
54-01015	37.6 (36–46), 165.4 (182–192), 308.3 (340–352), 333.3 (375–385), 377.7 (425–435), 426.5 (480–490), 462.1 (520–530)
54-01016	30.8 (30–40), 162.2 (178–190), 274.7 (318–324), 336.3[a] (386–396), 414.3[b] (473–483), 459.5[b] (530–540), 517.6[a] (592–602)
54-02001	20 (17.5–22.5), **40 (37.5–42.5)**, 60 (57.5–62.5), **80 (77.5–82.5),** 100 (97.5–102.5), **120 (117.5–122.5)**, **140 (137.5–142.5),** 160 (157.5–162.5), 180[b] (177.5–182.5), 200 (197.5–202.5)
54-02002	20 (17.5–22.5), **40 (37.5–42.5),** 60 (57.5–62.5), 80[b] (77.5–82.5), **100 (97.5–102.5)**, **120(117.5–122.5),** 140 (137.5–142.5), 157 (154.5–159.5), **180 (177.5–182.5)**, 200 (197.5–202.5)
54-02016	18[b] (15.5–20.5), **31 (28.5–33.5), 82 (79.5–84.5)**
54-02020	20 (10–30), 40 (30–50), 60 (50–70), 80 (70–90), 95 (90–110), 120 (110–130), 140 (130–150), 160 (150–170), 180 (170–190), 200 (190–210)
54-02021	**20 (10–30)**, 40 (30–50), 60 (50–70), 80[b] (70–90), **100 (90–110),** 120[b] (110–130), **140 (130–150), 160 (150–170)**, 180 (170–190), 198 (190–210)
54-02022	20 (17.5–22.5), **40 (37.5–42.5)**, 60 (57.5–62.5), **80 (77.5–82.5)**, 100 (97.5–102.5), **120 (117.5–122.5)**, **140 (137.5–142.5)**, 160 (157.5–162.5), 180 (177.5–182.5), 200 (197.5–202.5)
54-02023	20 (10–30), **40 (30–50)**, 60 (50–70), 80 (70–90), **100 (90–110), 120[a] (110–130)**, 140[a] (130–149), **159 (149–169)**, 180[a] (170–190), 200 (190–210)
54-02024	20 (10–30), **40 (30–50)**, 60 (50–70), 80 (70–90), **100 (90–110)**, 120[b] (110–130), **140 (130–150)**, **160 (150–170)**, 180 (170–190), 200 (190–210)

Table 2.0-1 (continued)

Borehole ID	VOC and Tritium Sampling Port-Depth Intervals (ft bgs)
54-02025	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 190 (190)
54-02026	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 200 (200), 215 (215)
54-02027	**20 (20)**, 60 (60), **100 (100)**, 160 (160), **200 (200)**, 220 (220), 250 (250)
54-02028	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 200 (200), 220 (220), 250 (250)
54-02031	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 200 (200), 220[b] (220), **260 (260)**
54-02034	**20 (20)**, **60 (60),**100 (100), **160 (160)**, 200 (200), 220 (220), **260 (260)**, **300 (300)**
54-02089	13 (13), **31 (31)**, **46 (46)**, 86 (86)
54-24238	44 (43–45), **64 (63–65)**, 84 (83–85)
54-24239	**25 (24–26)**, 50 (49–51), **75 (74–76)**, 99.5 (98.5–100.5)
54-24240	**28 (27–29)**, **53 (52–54)**, 78 (77–79), 103 (102–104), **128 (127–129)**, **153 (152–154)**
54-24241	**73 (71–74)**, 93 (92–94), **113 (112–114)**, **133 (132–134)**, 153 (152–154), 173 (172–174), 193 (192–194)
54-24242	**25 (24–26)**, **50 (49–51)**, 75 (74–76), 100 (99–101), 110.5 (109.5–111.5)
54-24243	**25 (24–26)**, 50 (49–51), **75 (74–76)**, 100 (99–101), **125 (124–126)**
54-24244[c]	25 (25), 50 (50), 75 (75), 100 (100), 118.5 (118.5)
54-24399[d]	**550 (550–608)**
54-27641	**32 (29.5–34.5)**, **82 (79.5–84.5)**, **115 (112.5–117.5)**, **182 (179.5–184.5)**, 232 (229.5–234.5), **271 (268.5–273.5)**, **332.5 (330–335)**
54-27642	**30 (27.5–32.5)**, **75 (71.5–76.5)**, **116 (114.5–119.5)**, **175 (172.5–177.5)**, 235 (232.5–237.5), **275 (272.5–277.5)**, **338 (335.5–340.5)**
54-27643	**30 (27.5–32.5)**, **74 (71.5–76.5)**, **117 (114.5–119.5)**, **167 (164.5–169.5)**, 235 (232.5–237.5), **275 (272.5–277.5)**, **354 (351.5–356.5)**

Notes: All depth intervals are field-screened. Depths highlighted in bold denote intervals where VOC and tritium samples are to be collected. If interval is not bolded, only VOC screening is to be conducted.

[a] Partially blocked ports.

[b] Blocked ports.

[c] FLUTe system damaged; no field screening conducted or samples collected.

[d] Open borehole.

Table 3.0-1
Henry's Law Constants, Groundwater Screening Levels, and the Calculated Concentrations of Detected VOCs during FY2009 in Pore Gas Corresponding to Groundwater Standards

VOC	Henry's Law Constant[a] (dimensionless)	Groundwater SL (µg/L)	Source of Groundwater SL	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m^3)
Acetone	0.0016	22,000	EPA regional SL	35,200
Benzene	0.228	5	EPA MCL	1140
Butanone[2-]	0.0023	7100	EPA regional SL	16,330
Carbon Disulfide	0.59	1000	EPA regional SL	590,000
Carbon Tetrachloride	1.1	5	EPA MCL	5500
Chlorobenzene	0.13	100	EPA MCL	13,000
Chloroform	0.15	100	NMWQCC	15,000
Cyclohexane	6.1	13,000	EPA regional SL	79,300,000
Dichlorodifluoromethane	14	390	EPA regional SL	5,460,000
Dichloroethane[1,1-]	0.23	25	NMWQCC	5750
Dichloroethane[1,2-]	0.048	5	EPA MCL	240
Dichloroethene[1,1-]	1.1	5	NMWQCC	5500
Dichloroethene[trans-1,2-]	0.38	100	EPA regional SL	38,000
Dichloropropane[1,2-]	0.12	5	EPA MCL	600
Ethanol	na[b]	na	na	na
Ethylbenzene	0.323	700	EPA MCL	226,100
Hexane	74	880	EPA regional SL	65,120,000
Methanol	0.00019	18,000	EPA regional SL	3420
Methylene Chloride	0.13	5	EPA MCL	650
Propanol[2-]	0.00033	na	na	na
Propylene	na	na	na	na
Tetrachloroethene	0.72	5	EPA MCL	3600
Tetrahydrofuran	na	na	na	na
Toluene	0.272	750	NMWQCC	204,000
Trichloro-1,2,2-trifluoroethane[1,1,2-]	22	59,000	EPA regional SL	1,298,000,000
Trichloroethane[1,1,1-]	0.705	60	NMWQCC	42,300
Trichloroethene	0.4	5	EPA MCL	2000
Trichlorofluoromethane	4	1300	EPA regional SL	5,200,000
Xylene[1,2-]	0.213	1400	EPA regional SL	298,200
Xylene[1,3-]+Xylene[1,4-]	0.27	10,000[c]	EPA MCL	2,700,000

Note: Calculated concentrations in pore gas exceeding groundwater standard derived from the denominator of Equation 3.0-3 for a screening value of 1.0.

[a] NMED (2009, 106420, Appendix B).

[b] na = Not available.

[c] SL for Xylene[1,3-]+Xylene[1,4-] is for xylene mixture.

Table 3.0-2
Screening Values of VOCs Detected during Fourth Quarter FY2009 in Pore Gas at MDA L

VOCs	Maximum Pore-Gas Concentration (µg/m³)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m³)	Screening Value (unitless)	Potential for Groundwater Impact[a]
Acetone	91	35,200	0.0026	No
Benzene	4300	1140	3.8	Yes
Butanone[2-]	120	16,330	0.0073	No
Carbon Tetrachloride	24,000	5500	4.4	Yes
Chlorobenzene	2200	13,000	0.17	No
Chloroform	47,000	15,000	3.1	Yes
Dichlorodifluoromethane	14,000	5,460,000	0.0026	No
Dichloroethane[1,1-]	71,000	5750	12.3	Yes
Dichloroethane[1,2-]	590,000	240	2458	Yes
Dichloroethene[1,1-]	66,000	5500	12	Yes
Dichloroethene[trans-1,2-]	1600	38,000	0.042	No
Dichloropropane[1,2-]	330,000	600	550	Yes
Hexane	2500	65,120,000	0.000038	No
Methanol	38,000	3420	11	Yes
Methylene Chloride	340,000	650	523	Yes
Tetrachloroethene	430,000	3600	119.4	Yes
Tetrahydrofuran	30,000	na[b]	na	na
Toluene	21,000	204,000	0.1	No
Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,300,000	1,298,000,000	0.001	No
Trichloroethane[1,1,1-]	2,400,000	42,300	56.7	Yes
Trichloroethene	840,000	2000	420	Yes
Trichlorofluoromethane	30,000	5,200,000	0.0058	No
Xylene[1,2-]	4000	298,200	0.013	No
Xylene[1,3-]+Xylene[1,4-]	3200	2,700,000	0.0012	No

Notes: Calculated concentrations in pore gas corresponding to groundwater SLs derived from denominator of Equation 3.0-3.
Screening value derived from Equation 3.0-3.

[a] If the SV is less than 1, the concentration of the VOC in pore gas does not have the potential to exceed the groundwater SL. Table 3.0-3 further evaluates the potential for groundwater impact.

[b] na = Not available.

Table 3.0-3
Screening Values of VOCs Detected during Fourth Quarter FY2009
in Pore Gas at the Deepest Depth in Borehole Location 54-24399 at MDA L

VOCs	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Maximum Pore-Gas Concentration (µg/m³)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m³)	Screening Value (unitless)	Potential for Groundwater Impact*
Acetone	550	550–608	91	35,200	0.0026	No
Butanone[2-]			34	16,330	0.002	No
Chloroform			11	15,000	0.00073	No
Dichloroethane[1,1-]			6.8	5750	0.0012	No
Dichloroethane[1,2-]			4	240	0.017	No
Dichloropropane[1,2-]			9	600	0.015	No
Tetrachloroethene			420	3600	0.12	No
Trichloro-1,2,2-trifluoroethane[1,1,2-]			9.5	1,298,000,000	0.0000000073	No
Trichloroethane[1,1,1-]			240	42,300	0.0057	No
Trichloroethene			240	2000	0.12	No

Notes: Calculated concentrations in pore gas corresponding to groundwater SLs derived from denominator of Equation 3.0-3.
Screening value derived from Equation 3.0-3.

* If the SV is less than 1, the concentration of the VOC in pore gas does not have the potential to exceed the groundwater SL.

Table 3.0-4
Screening Values for the Maximum-Detected VOCs during FY2009 in Pore Gas at MDA L

Analyte	Maximum Pore-Gas Concentration (µg/m^3)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m^3)	Screening Value (unitless)	Potential for Groundwater Impact[a]
Acetone	91	35,200	0.0026	No
Benzene	4700	1140	4.1	Yes
Butanone[2-]	120	16,330	0.0073	No
Carbon Disulfide	54	590,000	0.000092	No
Carbon Tetrachloride	26,000	5500	4.7	Yes
Chlorobenzene	2200	13,000	0.17	No
Chloroform	55,000	15,000	3.7	Yes
Cyclohexane	570	79,300,000	0.0000072	No
Dichlorodifluoromethane	23,000	5,460,000	0.0042	No
Dichloroethane[1,1-]	91,000	5750	16	Yes
Dichloroethane[1,2-]	750,000	240	3125	Yes
Dichloroethene[1,1-]	520,000	5500	95	Yes
Dichloroethene[trans-1,2-]	1600	38,000	0.042	No
Dichloropropane[1,2-]	390,000	600	650	Yes
Ethanol	7700	na[b]	na	na
Ethylbenzene	1300	226,100	0.0057	No
Hexane	2800	65,120,000	0.000043	No
Methanol	38,000	3420	11	Yes
Methylene Chloride	460,000	650	708	Yes
Propanol[2-]	110	na	na	na
Propylene	70	na	na	na
Tetrachloroethene	600,000	3600	167	Yes
Tetrahydrofuran	34,000	na	na	na
Toluene	23,000	204,000	0.11	No
Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,700,000	1,298,000,000	0.0013	No
Trichloroethane[1,1,1-]	4,400,000	42,300	104	Yes
Trichloroethene	1,200,000	2000	600	Yes
Trichlorofluoromethane	40,000	5,200,000	0.0077	No
Xylene[1,2-]	4000	298,200	0.013	No
Xylene[1,3-]+Xylene[1,4-]	3200	2,700,000	0.0012	No

Notes: Calculated concentrations in pore gas corresponding to groundwater SLs derived from denominator of Equation 3.0-3.
Screening value derived from Equation 3.0-3.

[a] If the SV is less than 1, the concentration of the VOC in pore gas does not have the potential to exceed the groundwater SL.

[b] na = Not available.

Table 4.0-1
Field-Screening Results Using a Landtec GEM-500 at MDA L

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-01015	Ambient	Ambient	CO_2	11/25/08	0	3/26/09	0	5/27/09	0	8/4/09	0
			O_2	11/25/08	21.2	3/26/09	21.2	5/27/09	20.6	8/4/09	21.1
	37.6	36–46	CO_2	11/25/08	0.3	3/26/09	0	5/27/09	0	8/4/09	0
			O_2	11/25/08	20.9	3/26/09	21.2	5/27/09	20.7	8/4/09	20.7
	165.4	182–192	CO_2	11/25/08	0.3	3/26/09	0	5/27/09	0	8/4/09	0
			O_2	11/25/08	20.7	3/26/09	20.9	5/27/09	20.8	8/4/09	20.5
	308.3	340–352	CO_2	11/25/08	0.2	3/26/09	0	5/27/09	0	8/4/09	0
			O_2	11/25/08	20.6	3/26/09	21	5/27/09	20.7	8/4/09	20.2
	333.3	375–385	CO_2	11/25/08	0	3/26/09	0	5/27/09	0	8/4/09	0
			O_2	11/25/08	21	3/26/09	21	5/27/09	20.7	8/4/09	20.5
	377.7	425–435	CO_2	11/25/08	0	3/26/09	0	5/27/09	0	8/4/09	0
			O_2	11/25/08	20.7	3/26/09	20.8	5/27/09	20.6	8/4/09	20.2
	426.5	480–490	CO_2	11/25/08	0	3/26/09	0	5/27/09	0	8/4/09	0
			O_2	11/25/08	21	3/26/09	20.7	5/27/09	20.5	8/4/09	20.3
	462.1	520–530	CO_2	11/25/08	0	3/26/09	0	5/27/09	0	8/4/09	0
			O_2	11/25/08	21.2	3/26/09	20.7	5/27/09	20.6	8/4/09	20
54-01016	Ambient	Ambient	CO_2	11/25/08	0	3/26/09	0	5/27/09	0	8/4/09	0
			O_2	11/25/08	21.3	3/26/09	20.9	5/27/09	20.5	8/4/09	20.7
	30.8	30–40	CO_2	11/25/08	0	3/26/09	0	5/27/09	0.1	8/4/09	0
			O_2	11/25/08	21.5	3/26/09	21.2	5/27/09	20.1	8/4/09	20.3
	162.2	178–190	CO_2	11/25/08	0	3/26/09	0	5/27/09	0.3	8/4/09	0
			O_2	11/25/08	21.4	3/26/09	21.2	5/27/09	20	8/4/09	19.9
	274.7	318–324	CO_2	11/25/08	0	3/26/09	0	5/27/09	0	8/4/09	0
			O_2	11/25/08	21.4	3/26/09	21.1	5/27/09	20.2	8/4/09	20

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-01016	336.3	386–396	CO_2	11/25/08	0	3/26/09	0	5/27/09	0	8/4/09	0[a]
			O_2	11/25/08	21.4	3/26/09	21.1	5/27/09	20	8/4/09	20.5[a]
	414.3	473–483	CO_2	11/25/08	0	3/26/09	0[a]	5/27/09	0[b]	8/4/09	0[b]
			O_2	11/25/08	21.4	3/26/09	21.1[a]	5/27/09	20[b]	8/4/09	20.6[b]
	459.5	530–540	CO_2	11/25/08	0	3/26/09	0[a]	5/27/09	0[b]	8/4/09	0[b]
			O_2	11/25/08	21.2	3/26/09	20.7[a]	5/27/09	19.9[b]	8/4/09	20.6[b]
	517.6	592–602	CO_2	11/25/08	0	3/26/09	0[a]	5/27/09	0	8/4/09	0[a]
			O_2	11/25/08	20.8	3/26/09	20.1[a]	5/27/09	20	8/4/09	20.3[a]
54-02001	Ambient	Ambient	CO_2	11/14/08	0	3/10/09	0	5/5/09	0	8/18/09	0
			O_2	11/14/08	21.3	3/10/09	21.2	5/5/09	21.1	8/18/09	21.2
	20	17.5–22.5	CO_2	11/14/08	1.7	3/10/09	1.4	5/5/09	0.9	8/18/09	0.6
			O_2	11/14/08	19.8	3/10/09	20.8	5/5/09	20.1	8/18/09	20
	40	37.5–42.5	CO_2	11/14/08	1.5	3/10/09	0.7	5/5/09	1	8/18/09	0.5
			O_2	11/14/08	19.5	3/10/09	21.1	5/5/09	20.1	8/18/09	20
	60	57.5–62.5	CO_2	11/14/08	0.9	3/10/09	0.7[b]	5/5/09	0.8	8/18/09	0.2
			O_2	11/14/08	19.8	3/10/09	20.9[b]	5/5/09	19.8	8/18/09	20.1
	80	77.5–82.5	CO_2	11/14/08	1.2	3/10/09	1	5/5/09	0.6	8/18/09	0.5
			O_2	11/14/08	19.6	3/10/09	20.3	5/5/09	20.3	8/18/09	20
	100	97.5–102.5	CO_2	11/14/08	1	3/10/09	1.7	5/5/09	0.9	8/18/09	0.4
			O_2	11/14/08	19.6	3/10/09	20.2	5/5/09	20.2	8/18/09	20
	120	117.5–122.5	CO_2	11/14/08	0.9	3/10/09	1.4	5/5/09	0.8	8/18/09	0.3
			O_2	11/14/08	19.6	3/10/09	20.2	5/5/09	20.2	8/18/09	21.4
	140	137.5–142.5	CO_2	11/14/08	1	3/10/09	1.4	5/5/09	0.8	8/18/09	0.3

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
			O_2	11/14/08	19.7	3/10/09	20.3	5/5/09	20.1	8/18/09	19.9
54-02001	160	157.5–162.5	CO_2	11/14/08	0.1	3/10/09	1.4[a]	5/5/09	0.6[b]	8/18/09	0
			O_2	11/14/08	20.4	3/10/09	20.3[a]	5/5/09	20.5[b]	8/18/09	20.7
	180	177.5–182.5	CO_2	11/14/08	1	3/10/09	0.8[a]	5/5/09	0.6[b]	8/18/09	0.1[b]
			O_2	11/14/08	19.7	3/10/09	20.9[a]	5/5/09	20.4[b]	8/18/09	20.2[b]
	200	197.5–202.5	CO_2	11/14/08	0.9	3/10/09	1.3	5/5/09	0.7	8/18/09	0.2
			O_2	11/14/08	19.8	3/10/09	20.2	5/5/09	20.2	8/18/09	20
54-02002	Ambient	Ambient	CO_2	11/17/08	0	3/19/09	0.1	5/19/09	0	7/27/09	0
			O_2	11/17/08	21.7	3/19/09	21.2	5/19/09	21	7/27/09	21.2
	20	17.5–22.5	CO_2	11/17/08	1.4	3/19/09	1.4	5/19/09	0.9	7/27/09	0
			O_2	11/17/08	20.3	3/19/09	19.9	5/19/09	19.8	7/27/09	20.9
	40	37.5–42.5	CO_2	11/17/08	1.7	3/19/09	1.5	5/19/09	1.1	7/27/09	0.7
			O_2	11/17/08	19.6	3/19/09	19.7	5/19/09	19.3	7/27/09	19.4
	60	57.5–62.5	CO_2	11/17/08	2.2	3/19/09	1.8	5/19/09	1.4	7/27/09	1.1
			O_2	11/17/08	19.2	3/19/09	19.3	5/19/09	19	7/27/09	19
	80	77.5–82.5	CO_2	11/17/08	2.1	3/19/09	2[b]	5/19/09	1.2[b]	7/27/09	1[b]
			O_2	11/17/08	19.3	3/19/09	19.1[b]	5/19/09	19[b]	7/27/09	19[b]
	100	97.5–102.5	CO_2	11/17/08	2.1	3/19/09	0	5/19/09	1.3	7/27/09	1
			O_2	11/17/08	19.3	3/19/09	21	5/19/09	18.9	7/27/09	19
	120	117.5–122.5	CO_2	11/17/08	1.8	3/19/09	1.7	5/19/09	1.1[b]	7/27/09	0.7
			O_2	11/17/08	19.7	3/19/09	19.8	5/19/09	19.1[b]	7/27/09	19.2
	140	137.5–142.5	CO_2	11/17/08	1.7	3/19/09	1.6	5/19/09	1.1	7/27/09	0.7
			O_2	11/17/08	19.5	3/19/09	19.7	5/19/09	19.2	7/27/09	18.9
	157	154.5–159.5	CO_2	11/17/08	1.6	3/19/09	0	5/19/09	0.9	7/27/09	0.6
			O_2	11/17/08	19.6	3/19/09	21.3	5/19/09	19.3	7/27/09	19.4

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02002	180	177.5–182.5	CO_2	11/17/08	1.8	3/19/09	1.6	5/19/09	1.1	7/27/09	0.7
			O_2	11/17/08	19.4	3/19/09	19.7	5/19/09	18.9	7/27/09	19
	200	197.5–202.5	CO_2	11/17/08	0.9	3/19/09	0.5	5/19/09	0.7	7/27/09	0.4
			O_2	11/17/08	20	3/19/09	20.8	5/19/09	19.3	7/27/09	19.5
54-02016	Ambient	Ambient	CO_2	11/4/08	0.3	3/12/09	0.4	5/13/09	0	7/21/09	0
			O_2	11/4/08	20.4	3/12/09	21.6	5/13/09	20.9	7/21/09	21.2
	18	15.5–20.5	CO_2	11/4/08	1	3/12/09	0.4[b]	5/13/09	1.8[b]	7/21/09	0[b]
			O_2	11/4/08	19.1	3/12/09	21.7[b]	5/13/09	18.1[b]	7/21/09	21.1[b]
	31	28.5–33.5	CO_2	11/4/08	3.8	3/12/09	0.5	5/13/09	2	7/21/09	2.1
			O_2	11/4/08	8.6	3/12/09	20.5	5/13/09	17.4	7/21/09	18
	82	79.5–84.5	CO_2	11/4/08	3.6	3/12/09	0.8	5/13/09	2.1	7/21/09	0
			O_2	11/4/08	8.8	3/12/09	21.3	5/13/09	18.1	7/21/09	20.9
54-02020	Ambient	Ambient	CO_2	11/24/08	0	3/24/09	0	5/26/09	0	8/3/09	0
			O_2	11/24/08	21.4	3/24/09	21.7	5/26/09	20.9	8/3/09	21.3
	20	10–30	CO_2	11/24/08	0.8	3/24/09	0.1	5/26/09	0.3	8/3/09	0.2
			O_2	11/24/08	20.7	3/24/09	21.6	5/26/09	20.6	8/3/09	20.4
	40	30–50	CO_2	11/24/08	0.8	3/24/09	0.1	5/26/09	0.4	8/3/09	0.1
			O_2	11/24/08	20.6	3/24/09	21.6	5/26/09	20.4	8/3/09	20.4
	60	50–70	CO_2	11/24/08	0.8	3/24/09	0	5/26/09	0.4	8/3/09	0.1
			O_2	11/24/08	20.5	3/24/09	21.4	5/26/09	20.3	8/3/09	20.3
	80	70–90	CO_2	11/24/08	0.7	3/24/09	0.1	5/26/09	0.4	8/3/09	0.1
			O_2	11/24/08	20.4	3/24/09	20.5	5/26/09	20.3	8/3/09	20.1
	95	90–110	CO_2	11/24/08	0.7	3/24/09	0.1	5/26/09	0.4	8/3/09	0.1
			O_2	11/24/08	20.3	3/24/09	21.3	5/26/09	20.2	8/3/09	20.1

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02020	120	110–130	CO_2	11/24/08	0.7	3/24/09	0	5/26/09	0.4	8/3/09	0.1
			O_2	11/24/08	20.3	3/24/09	21.2	5/26/09	20	8/3/09	20.1
	140	130–150	CO_2	11/24/08	0.7	3/24/09	0	5/26/09	0.4	8/3/09	0.1
			O_2	11/24/08	20.3	3/24/09	21.2	5/26/09	19.9	8/3/09	20
	160	150–170	CO_2	11/24/08	0.7	3/24/09	0	5/26/09	0.3	8/3/09	0.1
			O_2	11/24/08	20.3	3/24/09	21.7	5/26/09	19.9	8/3/09	20
	180	170–190	CO_2	11/24/08	0.7	3/24/09	0	5/26/09	0.4	8/3/09	0.1
			O_2	11/24/08	20.3	3/24/09	21.3	5/26/09	19.8	8/3/09	20.1
	200	190–210	CO_2	11/24/08	0.6	3/24/09	0	5/26/09	0.3	8/3/09	0
			O_2	11/24/08	20.3	3/24/09	21.1	5/26/09	19.5	8/3/09	20
54-02021	Ambient	Ambient	CO_2	11/12/08	0	3/11/09	0.6	5/5/09	0	7/22/09	0
			O_2	11/12/08	21.5	3/11/09	21.1	5/5/09	20.7	7/22/09	21.1
	20	10–30	CO_2	11/12/08	0.8	3/11/09	0.9	5/5/09	0.6	7/22/09	0.2
			O_2	11/12/08	20.4	3/11/09	20.7	5/5/09	19.2	7/22/09	20.3
	40	30–50	CO_2	11/12/08	0.7	3/11/09	0.6	5/5/09	0.6	7/22/09	0.1
			O_2	11/12/08	20.6	3/11/09	20.9	5/5/09	20.5	7/22/09	20.2
	60	50–70	CO_2	11/12/08	0.7	3/11/09	0.5	5/5/09	0.6	7/22/09	0.1
			O_2	11/12/08	20.6	3/11/09	20.9	5/5/09	20.4	7/22/09	20.3
	80	70–90	CO_2	11/12/08	0.6	3/11/09	0.5[b]	5/5/09	0.7[b]	7/22/09	0.1[b]
			O_2	11/12/08	20.7	3/11/09	21[b]	5/5/09	20.4[b]	7/22/09	20.3[b]
	100	90–110	CO_2	11/12/08	0.7	3/11/09	0.7	5/5/09	0.6	7/22/09	0.2
			O_2	11/12/08	20.4	3/11/09	20.6	5/5/09	20.4	7/22/09	20.1
	120	110–130	CO_2	11/12/08	0.6	3/11/09	0.9[b]	5/5/09	0.6[b]	7/22/09	0.1[b]
			O_2	11/12/08	20.6	3/11/09	20.6[b]	5/5/09	20.5[b]	7/22/09	20.1[b]

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02021	140	130–150	CO_2	11/12/08	0.7	3/11/09	0.5	5/5/09	0.6	7/22/09	0.2
			O_2	11/12/08	20.6	3/11/09	21.1	5/5/09	20.4	7/22/09	20
	160	150–170	CO_2	11/12/08	0.7	3/11/09	0.4	5/5/09	0.6	7/22/09	0.1
			O_2	11/12/08	20.6	3/11/09	21.4	5/5/09	20.5	7/22/09	19.9
	180	170–190	CO_2	11/12/08	0.7	3/11/09	0.7	5/5/09	0.6	7/22/09	0.1
			O_2	11/12/08	20.7	3/11/09	21.1	5/5/09	20.7	7/22/09	19.9
	198	190–210	CO_2	11/12/08	0.6	3/11/09	0.4	5/5/09	0.6	7/22/09	0.1
			O_2	11/12/08	20.7	3/11/09	21.4	5/5/09	20.6	7/22/09	20.1
54-02022	Ambient	Ambient	CO_2	11/13/08	0	3/11/09	0.6	5/4/09	0	7/24/09	0
			O_2	11/13/08	21.4	3/11/09	21.3	5/4/09	21.2	7/24/09	21.3
	20	17.5–22.5	CO_2	11/13/08	1.4	3/11/09	1.5	5/4/09	0.8	7/24/09	0.5
			O_2	11/13/08	20	3/11/09	20.8	5/4/09	20.3	7/24/09	20.1
	40	37.5–42.5	CO_2	11/13/08	1	3/11/09	1.5	5/4/09	0.8	7/24/09	0.4
			O_2	11/13/08	19.9	3/11/09	20.5	5/4/09	17.4	7/24/09	20
	60	57.5–62.5	CO_2	11/13/08	0.7	3/11/09	0.9	5/4/09	0.8	7/24/09	0.4
			O_2	11/13/08	20.3	3/11/09	21.1	5/4/09	20.3	7/24/09	20.1
	80	77.5–82.5	CO_2	11/13/08	0.9	3/11/09	1.4	5/4/09	0.8	7/24/09	0.3
			O_2	11/13/08	20.1	3/11/09	20.7	5/4/09	20.1	7/24/09	20
	100	97.5–102.5	CO_2	11/13/08	0.9	3/11/09	1.5	5/4/09	0.7[a]	7/24/09	0.2
			O_2	11/13/08	20.2	3/11/09	20.6	5/4/09	20.6[a]	7/24/09	20
	120	117.5–122.5	CO_2	11/13/08	0.9	3/11/09	1.3	5/4/09	0.8	7/24/09	0.3
			O_2	11/13/08	19.9	3/11/09	20.7	5/4/09	20.5	7/24/09	20
	140	137.5–142.5	CO_2	11/13/08	0.8	3/11/09	1.8	5/4/09	0.7	7/24/09	0.3
			O_2	11/13/08	20.2	3/11/09	20.8	5/4/09	20.3	7/24/09	19.9

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02022	160	157.5–162.5	CO_2	11/13/08	0.8	3/11/09	1	5/4/09	0.7	7/24/09	0.2
			O_2	11/13/08	20.3	3/11/09	20.7	5/4/09	20.5	7/24/09	19.9
	180	177.5–182.5	CO_2	11/13/08	0.7	3/11/09	0.9	5/4/09	0.7	7/24/09	0.2
			O_2	11/13/08	20.3	3/11/09	20.8	5/4/09	20.5	7/24/09	20
	200	197.5–202.5	CO_2	11/13/08	0.7	3/11/09	0.6	5/4/09	0.6	7/24/09	0.2
			O_2	11/13/08	20.3	3/11/09	21.2	5/4/09	20.5	7/24/09	19.9
54-02023	Ambient	Ambient	CO_2	11/18/08	0.1	3/24/09	0	5/19/09	0	7/30/09	0
			O_2	11/18/08	21.4	3/24/09	20.7	5/19/09	20.6	7/30/09	21
	20	10–30	CO_2	11/18/08	2.1	3/24/09	1.4	5/19/09	1.2	7/30/09	0.8
			O_2	11/18/08	19.7	3/24/09	19.8	5/19/09	19.3	7/30/09	19.4
	40	30–50	CO_2	11/18/08	2	3/24/09	0.4	5/19/09	1.1	7/30/09	0.5
			O_2	11/18/08	19.7	3/24/09	20.6	5/19/09	19.4	7/30/09	19.9
	60	50–70	CO_2	11/18/08	0.9	3/24/09	0.8	5/19/09	0.5	7/30/09	0.2
			O_2	11/18/08	20.3	3/24/09	20.1	5/19/09	19.6	7/30/09	20
	80	70–90	CO_2	11/18/08	1.3	3/24/09	0.1	5/19/09	0.9	7/30/09	0.5
			O_2	11/18/08	20.1	3/24/09	21	5/19/09	19.6	7/30/09	19.8
	100	90–110	CO_2	11/18/08	1.2	3/24/09	0	5/19/09	0.9	7/30/09	0.5
			O_2	11/18/08	20.2	3/24/09	21.2	5/19/09	19.6	7/30/09	20.2
	120	110–130	CO_2	11/18/08	0.9	3/24/09	0	5/19/09	0.7	7/30/09	0[a]
			O_2	11/18/08	20.2	3/24/09	20.9	5/19/09	19.6	7/30/09	20.9[a]
	140	130–149	CO_2	11/18/08	0.8	3/24/09	0[a]	5/19/09	0.6[b]	7/30/09	0[a]
			O_2	11/18/08	20.2	3/24/09	20.9[a]	5/19/09	20[b]	7/30/09	20.9[a]
	159	149–169	CO_2	11/18/08	0.7	3/24/09	0	5/19/09	0.5	7/30/09	0.3
			O_2	11/18/08	20.2	3/24/09	20.9	5/19/09	20.2	7/30/09	20.3

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02023	180	170–190	CO_2	11/18/08	1.1	3/24/09	0.9[b]	5/19/09	0.7[b]	7/30/09	0.5[a]
			O_2	11/18/08	19.9	3/24/09	20.2[b]	5/19/09	20[b]	7/30/09	20[a]
	200	190–210	CO_2	11/18/08	0.6	3/24/09	0	5/19/09	0.4	7/30/09	0.2
			O_2	11/18/08	20.2	3/24/09	21	5/19/09	20.6	7/30/09	20.2
54-02024	Ambient	Ambient	CO_2	11/18/08	0	3/21/09	0.1	5/21/09	0	7/29/09	0
			O_2	11/18/08	21.4	3/21/09	20.9	5/21/09	20.6	7/29/09	20.9
	20	10–30	CO_2	11/18/08	0.8	3/21/09	0.4	5/21/09	0.6	7/29/09	0.3
			O_2	11/18/08	20.5	3/21/09	20.6	5/21/09	19.9	7/29/09	20.1
	40	30–50	CO_2	11/18/08	0.8	3/21/09	0.3	5/21/09	0.4	7/29/09	0.2
			O_2	11/18/08	20.4	3/21/09	20.7	5/21/09	20	7/29/09	20.3
	60	50–70	CO_2	11/18/08	0.8	3/21/09	0	5/21/09	0.5	7/29/09	0.2
			O_2	11/18/08	20.3	3/21/09	20.9	5/21/09	19.9	7/29/09	20.2
	80	70–90	CO_2	11/18/08	0.8	3/21/09	0.3	5/21/09	0.5	7/29/09	0.2
			O_2	11/18/08	20.4	3/21/09	20.7	5/21/09	19.8	7/29/09	20.3
	100	90–110	CO_2	11/18/08	0.8	3/21/09	0.6	5/21/09	0.5	7/29/09	0.2
			O_2	11/18/08	20.2	3/21/09	20.5	5/21/09	19.8	7/29/09	20.3
	120	110–130	CO_2	11/18/08	0.8	3/21/09	0[b]	5/21/09	0.2[b]	7/29/09	0.1[b]
			O_2	11/18/08	20.2	3/21/09	20.7[b]	5/21/09	20.1[b]	7/29/09	20.3[b]
	140	130–150	CO_2	11/18/08	0.8	3/21/09	0	5/21/09	0.5	7/29/09	0.1
			O_2	11/18/08	20.2	3/21/09	21.1	5/21/09	20	7/29/09	20.3
	160	150–170	CO_2	11/18/08	0.8	3/21/09	0	5/21/09	0.4	7/29/09	0.1
			O_2	11/18/08	20.2	3/21/09	21.2	5/21/09	19.8	7/29/09	20.2
	180	170–190	CO_2	11/18/08	0.8	3/21/09	0	5/21/09	0.4	7/29/09	0.1
			O_2	11/18/08	20.2	3/21/09	20.9	5/21/09	20	7/29/09	20.3

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02024	200	190–210	CO_2	11/18/08	0.7	3/21/09	0.2	5/21/09	0.3	7/29/09	0.1
			O_2	11/18/08	20.2	3/21/09	21.1	5/21/09	19.7	7/29/09	20.4
54-02025	Ambient	Ambient	CO_2	11/20/08	0	3/20/09	0.2	5/18/09	0	7/27/09	0
			O_2	11/20/08	21.3	3/20/09	21	5/18/09	21.3	7/27/09	20.9
	20	20	CO_2	11/20/08	0.7	3/20/09	0.3	5/18/09	0.5	7/27/09	0.3
			O_2	11/20/08	20.7	3/20/09	20.6	5/18/09	20.4	7/27/09	20.2
	60	60	CO_2	11/20/08	0.1	3/20/09	0.2	5/18/09	0.2[a]	7/27/09	0.1
			O_2	11/20/08	21.3	3/20/09	20.7	5/18/09	20.5[a]	7/27/09	19.9
	100	100	CO_2	11/20/08	1	3/20/09	0.2	5/18/09	0.5	7/27/09	0.3
			O_2	11/20/08	20.1	3/20/09	20.7	5/18/09	20.2	7/27/09	19.9
	160	160	CO_2	11/20/08	1	3/20/09	0.1	5/18/09	0.4	7/27/09	0.3
			O_2	11/20/08	20.1	3/20/09	20.9	5/18/09	20.1	7/27/09	19.9
	190	190	CO_2	11/20/08	0.8	3/20/09	0.4	5/18/09	0.2	7/27/09	0.2
			O_2	11/20/08	20.2	3/20/09	20.6	5/18/09	20.4	7/27/09	19.9
54-02026	Ambient	Ambient	CO_2	11/20/08	0	3/20/09	0.1	5/21/09	0	7/29/09	0
			O_2	11/20/08	21.5	3/20/09	20.9	5/21/09	20.9	7/29/09	20.9
	20	20	CO_2	11/20/08	0.8	3/20/09	0.3	5/21/09	0.4	7/29/09	0.3
			O_2	11/20/08	21.1	3/20/09	20.7	5/21/09	20.1	7/29/09	20.3
	60	60	CO_2	11/20/08	0.9	3/20/09	0.5	5/21/09	0.4	7/29/09	0.2
			O_2	11/20/08	21	3/20/09	20.6	5/21/09	20.1	7/29/09	20.3
	100	100	CO_2	11/20/08	0.8	3/20/09	0.1	5/21/09	0.4	7/29/09	0.1
			O_2	11/20/08	21	3/20/09	20.8	5/21/09	20.1	7/29/09	20.3
	160	160	CO_2	11/20/08	0.6	3/20/09	0.1	5/21/09	0.3	7/29/09	0
			O_2	11/20/08	21.2	3/20/09	20.8	5/21/09	20.1	7/29/09	20.3

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02026	200	200	CO_2	11/20/08	0.6	3/20/09	0.3	5/21/09	0.3	7/29/09	0
			O_2	11/20/08	21.1	3/20/09	20.7	5/21/09	20.4	7/29/09	20.4
	215	215	CO_2	11/20/08	0.6	3/20/09	0.1	5/21/09	0.2	7/29/09	0
			O_2	11/20/08	21.5	3/20/09	20.8	5/21/09	20.4	7/29/09	20.4
54-02027	Ambient	Ambient	CO_2	11/20/08	0	3/20/09	0	5/20/09	0	7/28/09	0
			O_2	11/20/08	21.5	3/20/09	21.2	5/20/09	21.3	7/28/09	21
	20	20	CO_2	11/20/08	0.8	3/20/09	0.5	5/20/09	0.4	7/28/09	0.2
			O_2	11/20/08	20.6	3/20/09	20.8	5/20/09	20.5	7/28/09	20.2
	60	60	CO_2	11/20/08	0.8	3/20/09	0.6	5/20/09	0.3	7/28/09	0.2
			O_2	11/20/08	20.5	3/20/09	20.7	5/20/09	20.4	7/28/09	20.3
	100	100	CO_2	11/20/08	0.6	3/20/09	0.5	5/20/09	0.3	7/28/09	0.1
			O_2	11/20/08	20.3	3/20/09	21	5/20/09	20.5	7/28/09	20.3
	160	160	CO_2	11/20/08	0.7	3/20/09	0.1	5/20/09	0.3	7/28/09	0.1
			O_2	11/20/08	20.4	3/20/09	21.4	5/20/09	20.5	7/28/09	20.3
	200	200	CO_2	11/20/08	0.6	3/20/09	0	5/20/09	0.2	7/28/09	0
			O_2	11/20/08	20.4	3/20/09	21.3	5/20/09	20.5	7/28/09	20.3
	220	220	CO_2	11/20/08	0.6	3/20/09	0	5/20/09	0.2	7/28/09	0
			O_2	11/20/08	20.3	3/20/09	21.4	5/20/09	20.5	7/28/09	20.3
	250	250	CO_2	11/20/08	0.4	3/20/09	0	5/20/09	0.1	7/28/09	0
			O_2	11/20/08	20.5	3/20/09	21.4	5/20/09	20.5	7/28/09	20.3
54-02028	Ambient	Ambient	CO_2	11/26/08	0	3/21/09	0	5/21/09	0	7/30/09	0
			O_2	11/26/08	20.6	3/21/09	21	5/21/09	20.8	7/30/09	21.4
	20	20	CO_2	11/26/08	0.4	3/21/09	0.3	5/21/09	0.3	7/30/09	0.1
			O_2	11/26/08	20.5	3/21/09	20.9	5/21/09	20.1	7/30/09	20.8

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02028	60	60	CO_2	11/26/08	0.5	3/21/09	0.3	5/21/09	0.3	7/30/09	0
			O_2	11/26/08	20.5	3/21/09	20.8	5/21/09	20	7/30/09	20.7
	100	100	CO_2	11/26/08	0.5	3/21/09	0	5/21/09	0.3	7/30/09	0
			O_2	11/26/08	20.7	3/21/09	21	5/21/09	20	7/30/09	20.7
	160	160	CO_2	11/26/08	0.4	3/21/09	0	5/21/09	0.2	7/30/09	0
			O_2	11/26/08	20.5	3/21/09	20.8	5/21/09	20.1	7/30/09	20.7
	200	200	CO_2	11/26/08	0.4	3/21/09	0.2	5/21/09	0.2	7/30/09	0
			O_2	11/26/08	20.6	3/21/09	20.8	5/21/09	20.1	7/30/09	20.7
	220	220	CO_2	11/26/08	0.4	3/21/09	0.2	5/21/09	0.1	7/30/09	0
			O_2	11/26/08	20.7	3/21/09	20.9	5/21/09	20.1	7/30/09	20.7
	250	250	CO_2	11/26/08	0.4	3/21/09	0	5/21/09	0.1	7/30/09	0
			O_2	11/26/08	20.7	3/21/09	21	5/21/09	20.3	7/30/09	20.7
54-02031	Ambient	Ambient	CO_2	11/12/08	0	3/12/09	0.5	5/7/09	0	8/17/09	0
			O_2	11/12/08	21.3	3/12/09	21.1	5/7/09	21.2	8/17/09	21.1
	20	20	CO_2	11/12/08	2	3/12/09	0.9	5/7/09	1.1	8/17/09	1
			O_2	11/12/08	19.6	3/12/09	20.7	5/7/09	20.1	8/17/09	19.4
	60	60	CO_2	11/12/08	1	3/12/09	0.9	5/7/09	0.8	8/17/09	0.4
			O_2	11/12/08	20.2	3/12/09	20.8	5/7/09	20.2	8/17/09	20.1
	100	100	CO_2	11/12/08	0.8	3/12/09	0.5	5/7/09	0.7	8/17/09	0.3
			O_2	11/12/08	20.4	3/12/09	21.1	5/7/09	20.4	8/17/09	20.2
	160	160	CO_2	11/12/08	0.7	3/12/09	0.7	5/7/09	0.7	8/17/09	0.2
			O_2	11/12/08	20.4	3/12/09	20.9	5/7/09	20.3	8/17/09	20.1
	200	200	CO_2	11/12/08	0.6	3/12/09	0.6	5/7/09	0.6	8/17/09	0.2
			O_2	11/12/08	20.4	3/12/09	21.1	5/7/09	20.4	8/17/09	20.2

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02031	220	220	CO_2	11/12/08	0.8	3/12/09	0.4[b]	5/7/09	0.2[b]	8/17/09	0.3[a]
			O_2	11/12/08	20.4	3/12/09	21.4[b]	5/7/09	21.1[b]	8/17/09	20.2[a]
	260	260	CO_2	11/12/08	0.6	3/12/09	0.4	5/7/09	0.6	8/17/09	0.1
			O_2	11/12/08	20.2	3/12/09	21.4	5/7/09	20.3	8/17/09	20.1
54-02034	Ambient	Ambient	CO_2	11/13/08	0	3/10/09	0.6	5/4/09	0	7/22/09	0
			O_2	11/13/08	21	3/10/09	21.6	5/4/09	20.8	7/22/09	21.1
	20	20	CO_2	11/13/08	2.4	3/10/09	2	5/4/09	1.5	7/22/09	0.8
			O_2	11/13/08	19.5	3/10/09	20.6	5/4/09	19.6	7/22/09	19.8
	60	60	CO_2	11/13/08	1.4	3/10/09	1.5	5/4/09	0.9	7/22/09	0.5
			O_2	11/13/08	20	3/10/09	21.1	5/4/09	20.2	7/22/09	20.1
	100	100	CO_2	11/13/08	1	3/10/09	1.3	5/4/09	0.9	7/22/09	0.4
			O_2	11/13/08	20.1	3/10/09	21.1	5/4/09	20.2	7/22/09	20.3
	160	160	CO_2	11/13/08	0.7	3/10/09	1.2	5/4/09	0	7/22/09	0.3
			O_2	11/13/08	20.4	3/10/09	21.1	5/4/09	21	7/22/09	20.3
	200	200	CO_2	11/13/08	0.7	3/10/09	1	5/4/09	0.6	7/22/09	0.2
			O_2	11/13/08	20.4	3/10/09	21	5/4/09	20.4	7/22/09	20.4
	220	220	CO_2	11/13/08	0.6	3/10/09	0.6	5/4/09	0.6	7/22/09	0.1
			O_2	11/13/08	20.5	3/10/09	21.7	5/4/09	20.5	7/22/09	20.4
	260	260	CO_2	11/13/08	0.4	3/10/09	0.9	5/4/09	0.5	7/22/09	0.4
			O_2	11/13/08	20.6	3/10/09	21.1	5/4/09	20.6	7/22/09	20.4
	300	300	CO_2	11/13/08	0.2	3/10/09	0.8	5/4/09	0.3	7/22/09	0
			O_2	11/13/08	20.9	3/10/09	21.2	5/4/09	20.7	7/22/09	20.7
54-02089	Ambient	Ambient	CO_2	11/7/08	0	3/16/09	0.2	5/6/09	0	7/21/09	0
			O_2	11/7/08	21.3	3/16/09	21.3	5/6/09	21	7/21/09	21.2

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02089	13	13	CO_2	11/7/08	4.2	3/16/09	1.7	5/6/09	2.9	7/21/09	3
			O_2	11/7/08	8.5	3/16/09	20.1	5/6/09	17.4	7/21/09	16.4
	31	31	CO_2	11/7/08	4.8	3/16/09	0.3	5/6/09	3.6	7/21/09	2
			O_2	11/7/08	7.9	3/16/09	21.3	5/6/09	16.4	7/21/09	16.8
	46	46	CO_2	11/7/08	4.4	3/16/09	0.9	5/6/09	3.3	7/21/09	2.2
			O_2	11/7/08	8	3/16/09	20.5	5/6/09	16.6	7/21/09	16.9
	86	86	CO_2	11/7/08	3.7	3/16/09	2.2	5/6/09	3	7/21/09	2.2
			O_2	11/7/08	8.7	3/16/09	19.3	5/6/09	16.7	7/21/09	16.8
54-24238	Ambient	Ambient	CO_2	11/7/08	0	3/16/09	0.3	5/13/09	0	7/21/09	0.5
			O_2	11/7/08	21.2	3/16/09	21.2	5/13/09	21	7/21/09	19.5
	44	43–45	CO_2	11/7/08	4.9	3/16/09	3.2	5/13/09	3.7	7/21/09	3.1
			O_2	11/7/08	7.9	3/16/09	18.2	5/13/09	16.1	7/21/09	16.2
	64	63–65	CO_2	11/7/08	3.9	3/16/09	2.9	5/13/09	3	7/21/09	2.3
			O_2	11/7/08	8.5	3/16/09	18.3	5/13/09	16.8	7/21/09	17.1
	84	83–85	CO_2	11/7/08	3.7	3/16/09	2.5	5/13/09	2.5	7/21/09	2
			O_2	11/7/08	16.8	3/16/09	18.7	5/13/09	17.1	7/21/09	17.7
54-24239	Ambient	Ambient	CO_2	11/12/08	0	3/17/09	0.2	5/6/09	0	7/17/09	0
			O_2	11/12/08	20.9	3/17/09	20.7	5/6/09	21.2	7/17/09	21.1
	25	24–26	CO_2	11/12/08	1.8	3/17/09	1.5	5/6/09	1.2	7/17/09	0.6
			O_2	11/12/08	19.4	3/17/09	19.9	5/6/09	19.5	7/17/09	19.4
	50	49–51	CO_2	11/12/08	1.8	3/17/09	1.6	5/6/09	1.2	7/17/09	0.6
			O_2	11/12/08	19.4	3/17/09	19.7	5/6/09	19.2	7/17/09	19.3
	75	74–76	CO_2	11/12/08	1.7	3/17/09	1.6	5/6/09	1.2	7/17/09	0.6
			O_2	11/12/08	19.4	3/17/09	19.6	5/6/09	18.9	7/17/09	19.3

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24239	99.5	98.5–100.5	CO_2	11/12/08	1.7	3/17/09	1.5	5/6/09	1.2	7/17/09	0.6
			O_2	11/12/08	19.6	3/17/09	19.5	5/6/09	18.7	7/17/09	19.2
54-24240	Ambient	Ambient	CO_2	11/10/08	0	3/14/09	0.4	5/14/09	0	7/17/09	0
			O_2	11/10/08	21	3/14/09	21	5/14/09	21	7/17/09	20.8
	28	27–29	CO_2	11/10/08	3.1	3/14/09	1.7	5/14/09	1.8	7/17/09	1.6
			O_2	11/10/08	18.2	3/14/09	20.1	5/14/09	18.5	7/17/09	18
	53	52–54	CO_2	11/10/08	2.5	3/14/09	1.7	5/14/09	1.8	7/17/09	1.4
			O_2	11/10/08	18.6	3/14/09	19.8	5/14/09	18.3	7/17/09	18.2
	78	77–79	CO_2	11/10/08	1.6	3/14/09	1.4	5/14/09	1.3	7/17/09	0.7
			O_2	11/10/08	19.6	3/14/09	20.1	5/14/09	19.1	7/17/09	19.1
	103	102–104	CO_2	11/10/08	1	3/14/09	0.9	5/14/09	1	7/17/09	0.6
			O_2	11/10/08	20.1	3/14/09	20.4	5/14/09	19.5	7/17/09	19.1
	128	127–129	CO_2	11/10/08	1	3/14/09	0.8	5/14/09	0.8	7/17/09	0.2
			O_2	11/10/08	20.1	3/14/09	20.6	5/14/09	19.6	7/17/09	20.2
	153	152–154	CO_2	11/10/08	0.9	3/14/09	0.8	5/14/09	0.8	7/17/09	0.4
			O_2	11/10/08	20.2	3/14/09	20.5	5/14/09	19.5	7/17/09	19.8
54-24241	Ambient	Ambient	CO_2	11/10/08	0	3/16/09	0.2	5/14/09	0	7/20/09	0
			O_2	11/10/08	21.1	3/16/09	21	5/14/09	20.6	7/20/09	21.2
	73	71–74	CO_2	11/10/08	2.4	3/16/09	1.8	5/14/09	1.9	7/20/09	1.5
			O_2	11/10/08	18.8	3/16/09	19.3	5/14/09	18	7/20/09	18.3
	93	92–94	CO_2	11/10/08	2.3	3/16/09	1.7	5/14/09	1.6	7/20/09	1.2
			O_2	11/10/08	18.7	3/16/09	19.4	5/14/09	18.4	7/20/09	18.4
	113	112–114	CO_2	11/10/08	2.1	3/16/09	1.5	5/14/09	1.4	7/20/09	0.5
			O_2	11/10/08	19.4	3/16/09	19.8	5/14/09	18.7	7/20/09	19

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24241	133	132–134	CO_2	11/10/08	1.7	3/16/09	1.3	5/14/09	1	7/20/09	0.7
			O_2	11/10/08	19.6	3/16/09	19.8	5/14/09	19.2	7/20/09	18.9
	153	152–154	CO_2	11/10/08	1.5	3/16/09	1.2	5/14/09	1	7/20/09	0.6
			O_2	11/10/08	19.6	3/16/09	19.8	5/14/09	19	7/20/09	18.9
	173	172–174	CO_2	11/10/08	1.5	3/16/09	1	5/14/09	0.9	7/20/09	0.5
			O_2	11/10/08	19.8	3/16/09	20.1	5/14/09	19.2	7/20/09	18.7
	193	192–194	CO_2	11/10/08	1.4	3/16/09	1.2	5/14/09	0.9	7/20/09	0.5
			O_2	11/10/08	19.6	3/16/09	20.2	5/14/09	19.3	7/20/09	18.7
54-24242	Ambient	Ambient	CO_2	11/7/08	0	3/17/09	0.3	5/11/09	0	7/16/09	0
			O_2	11/7/08	21.6	3/17/09	20.9	5/11/09	20.9	7/16/09	21.1
	25	24–26	CO_2	11/7/08	1.9	3/17/09	1	5/11/09	1	7/16/09	0.6
			O_2	11/7/08	19.7	3/17/09	20	5/11/09	19.6	7/16/09	19.5
	50	49–51	CO_2	11/7/08	1.8	3/17/09	1	5/11/09	1	7/16/09	0.6
			O_2	11/7/08	19.7	3/17/09	20.1	5/11/09	19.2	7/16/09	19.1
	75	74–76	CO_2	11/7/08	1.8	3/17/09	0.3	5/11/09	1.1	7/16/09	0.7
			O_2	11/7/08	19.4	3/17/09	20.7	5/11/09	19.3	7/16/09	19.1
	100	99–101	CO_2	11/7/08	1.5	3/17/09	1.3	5/11/09	1	7/16/09	0.6
			O_2	11/7/08	19.5	3/17/09	19.9	5/11/09	19.3	7/16/09	19.1
	110.5	109.5–111.5	CO_2	11/7/08	1.7	3/17/09	1.5	5/11/09	0.9	7/16/09	0.6
			O_2	11/7/08	19.6	3/17/09	19.7	5/11/09	19.2	7/16/09	19
54-24243	Ambient	Ambient	CO_2	11/14/08	0	3/19/09	0.2	5/15/09	0	7/23/09	0
			O_2	11/14/08	21.4	3/19/09	21.1	5/15/09	21.3	7/23/09	20.8
	25	24–26	CO_2	11/14/08	2.3	3/19/09	1.6	5/15/09	1.2	7/23/09	1
			O_2	11/14/08	19.2	3/19/09	19.7	5/15/09	19.2	7/23/09	18.5

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24243	50	49–51	CO_2	11/14/08	2.6	3/19/09	2.3	5/15/09	1.7	7/23/09	1.4
			O_2	11/14/08	18.1	3/19/09	18.7	5/15/09	18.6	7/23/09	18.4
	75	74–76	CO_2	11/14/08	2.5	3/19/09	2.3	5/15/09	1.7	7/23/09	0
			O_2	11/14/08	18.3	3/19/09	18.7	5/15/09	18.3	7/23/09	20.6
	100	99–101	CO_2	11/14/08	2	3/19/09	2	5/15/09	1.4	7/23/09	0
			O_2	11/14/08	18.7	3/19/09	19.1	5/15/09	18.6	7/23/09	20.8
	125	124–126	CO_2	11/14/08	1.8	3/19/09	1.9	5/15/09	1.2	7/23/09	0.8
			O_2	11/14/08	19.1	3/19/09	19.1	5/15/09	18.9	7/23/09	18.9
54-24399	Ambient	Ambient	CO_2	12/2/08	0	3/22/09	0.1	5/11/09	0	8/12/09	0
			O_2	12/2/08	21.2	3/22/09	21.1	5/11/09	21.1	8/12/09	21.2
	550	550–608	CO_2	12/2/08	0	3/22/09	0.2	5/11/09	0	8/12/09	0
			O_2	12/2/08	20.7	3/22/09	20.7	5/11/09	20.5	8/12/09	20.7
54-27641	Ambient	Ambient	CO_2	11/10/08	0	3/13/09	0.4	5/13/09	0	8/17/09	0
			O_2	11/10/08	20.9	3/13/09	21.1	5/13/09	20.6	8/17/09	21.2
	32	29.5–34.5	CO_2	11/10/08	2.1	3/13/09	0.1	5/13/09	1	8/17/09	0.8
			O_2	11/10/08	19.6	3/13/09	20.6	5/13/09	19.6	8/17/09	19.3
	82	79.5–84.5	CO_2	11/10/08	1.4	3/13/09	0.8	5/13/09	0.8	8/17/09	0.5
			O_2	11/10/08	19.9	3/13/09	20.7	5/13/09	19.4	8/17/09	19.8
	115	112.5–117.5	CO_2	11/10/08	1.2	3/13/09	0.8	5/13/09	0.7	8/17/09	0.5
			O_2	11/10/08	20.2	3/13/09	20.6	5/13/09	19.5	8/17/09	19.8
	182	179.5–184.5	CO_2	11/10/08	0.9	3/13/09	0.8	5/13/09	0.5	8/17/09	0.3
			O_2	11/10/08	20.2	3/13/09	20.6	5/13/09	19.6	8/17/09	19.9
	232	229.5–234.5	CO_2	11/10/08	0.8	3/13/09	0.7	5/13/09	0.4	8/17/09	0.2
			O_2	11/10/08	20.5	3/13/09	20.7	5/13/09	19.7	8/17/09	19.9

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-27641	271	268.5–273.5	CO_2	11/10/08	0.6	3/13/09	0.6	5/13/09	0.2	8/17/09	0.1
			O_2	11/10/08	20.6	3/13/09	20.7	5/13/09	19.7	8/17/09	20
	332.5	330–335	CO_2	11/10/08	0.3	3/13/09	0.5	5/13/09	0	8/17/09	0
			O_2	11/10/08	20.8	3/13/09	21.1	5/13/09	20.2	8/17/09	20.2
54-27642	Ambient	Ambient	CO_2	11/6/08	0	3/15/09	0.4	5/7/09	0	7/21/09	0
			O_2	11/6/08	21.3	3/15/09	21.1	5/7/09	21.3	7/21/09	21.1
	30	27.5–32.5	CO_2	11/6/08	3.2	3/15/09	2.4	5/7/09	2.2	7/21/09	1.7
			O_2	11/6/08	17.7	3/15/09	19.3	5/7/09	18.5	7/21/09	18.2
	75	71.5–76.5	CO_2	11/6/08	2.4	3/15/09	2.3	5/7/09	1.8	7/21/09	1.3
			O_2	11/6/08	18.5	3/15/09	19.3	5/7/09	18.9	7/21/09	18.8
	116	114.5–119.5	CO_2	11/6/08	3.2	3/15/09	2.7	5/7/09	2.3	7/21/09	1.9
			O_2	11/6/08	17.5	3/15/09	18.8	5/7/09	18.2	7/21/09	17.9
	175	172.5–177.5	CO_2	11/6/08	1.7	3/15/09	1.5	5/7/09	1.1	7/21/09	0.6
			O_2	11/6/08	19.4	3/15/09	19.9	5/7/09	19.6	7/21/09	19.4
	235	232.5–237.5	CO_2	11/6/08	1.2	3/15/09	1	5/7/09	0.8	7/21/09	0.4
			O_2	11/6/08	19.8	3/15/09	19.9	5/7/09	19.7	7/21/09	19.9
	275	272.5–277.5	CO_2	11/6/08	0.9	3/15/09	0.9	5/7/09	0.7	7/21/09	0.2
			O_2	11/6/08	20	3/15/09	20.1	5/7/09	20.9	7/21/09	20.1
	338	335.5–340.5	CO_2	11/6/08	0.5	3/15/09	0.7	5/7/09	0.5	7/21/09	0
			O_2	11/6/08	20.6	3/15/09	20.3	5/7/09	20.3	7/21/09	20.8
54-27643	Ambient	Ambient	CO_2	11/21/08	0	3/17/09	0.1	5/15/09	0	7/23/09	0
			O_2	11/21/08	21.2	3/17/09	21.3	5/15/09	21.1	7/23/09	21
	30	27.5–32.5	CO_2	11/21/08	1.3	3/17/09	0.9	5/15/09	0.8	7/23/09	0.5
			O_2	11/21/08	20	3/17/09	20.7	5/15/09	19.7	7/23/09	20

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-27643	74	71.5–76.5	CO_2	11/21/08	1.3	3/17/09	1	5/15/09	0.9	7/23/09	0.5
			O_2	11/21/08	19.7	3/17/09	20.6	5/15/09	19.6	7/23/09	19.8
	117	114.5–119.5	CO_2	11/21/08	1.3	3/17/09	1	5/15/09	0.8	7/23/09	0.4
			O_2	11/21/08	19.7	3/17/09	20.6	5/15/09	19.6	7/23/09	19.8
	167	164.5–169.5	CO_2	11/21/08	0.9	3/17/09	0.9	5/15/09	0.6	7/23/09	0.3
			O_2	11/21/08	20	3/17/09	20.8	5/15/09	19.7	7/23/09	19.8
	235	232.5–237.5	CO_2	11/21/08	0.7	3/17/09	0.8	5/15/09	0.4	7/23/09	0.2
			O_2	11/21/08	19.9	3/17/09	20.8	5/15/09	19.7	7/23/09	19.8
	275	272.5–277.5	CO_2	11/21/08	0.6	3/17/09	0.7	5/15/09	0.3	7/23/09	0.1
			O_2	11/21/08	20.4	3/17/09	20.9	5/15/09	19.9	7/23/09	19.9
	354	351.5–356.5	CO_2	11/21/08	0.3	3/17/09	0.5	5/15/09	0.1	7/23/09	0
			O_2	11/21/08	20.3	3/17/09	21.1	5/15/09	20.2	7/23/09	20.1

[a] Partially blocked port. Results may not be representative of sample depth.

[b] Blocked port.

Table 4.0-2
Field-Screening Results Using B&K Multigas Analyzer at MDA L

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015	Ambient	Ambient	CO_2 (µg/m^3)	11/25/08	562,000	3/26/09	911,000	5/27/09	803,000	8/4/09	832,000
			Freon-11 (µg/m^3)	11/25/08	-103	3/26/09	-171	5/27/09	533	8/4/09	-137
			H_2O (µg/m^3)	11/25/08	2,650,000	3/26/09	36,000	5/27/09	56.6[a]	8/4/09	8,570,000
			PCE (µg/m^3)	11/25/08	640	3/26/09	572	5/27/09	2200	8/4/09	1400
			Pressure Differential (kPa)	11/25/08	0	3/26/09	0	5/27/09	0	8/4/09	0
			TCA (µg/m^3)	11/25/08	-1610	3/26/09	-3400	5/27/09	-4700	8/4/09	447
			TCE (µg/m^3)	11/25/08	1630	3/26/09	496	5/27/09	-925	8/4/09	1310
	37.6	36–46	CO_2 (µg/m^3)	11/25/08	3,810,000	3/26/09	3,900,000	5/27/09	1,420,000	8/4/09	3,520,000
			Freon-11 (µg/m^3)	11/25/08	252	3/26/09	-515	5/27/09	360	8/4/09	230
			H_2O (µg/m^3)	11/25/08	5,610,000	3/26/09	-9200	5/27/09	11[a]	8/4/09	10,900,000
			PCE (µg/m^3)	11/25/08	3840	3/26/09	46	5/27/09	-1200	8/4/09	2660
			Pressure Differential (kPa)	11/25/08	-0.22	3/26/09	0	5/27/09	-0.06	8/4/09	-0.05
			TCA (µg/m^3)	11/25/08	-1770	3/26/09	1380	5/27/09	-819	8/4/09	9910
			TCE (µg/m^3)	11/25/08	6000	3/26/09	1070	5/27/09	-2600	8/4/09	3790
	165.4	182–192	CO_2 (µg/m^3)	11/25/08	2,880,000	3/26/09	3,410,000	5/27/09	2,070,000	8/4/09	4,600,000
			Freon-11 (µg/m^3)	11/25/08	458	3/26/09	-65	5/27/09	44	8/4/09	873
			H_2O (µg/m^3)	11/25/08	5,390,000	3/26/09	-16,000	5/27/09	3.23[a]	8/4/09	12,100,000
			PCE (µg/m^3)	11/25/08	5850	3/26/09	391	5/27/09	-1400	8/4/09	7670
			Pressure Differential (kPa)	11/25/08	-0.01	3/26/09	0.75	5/27/09	-0.1	8/4/09	-0.07
			TCA (µg/m^3)	11/25/08	-707	3/26/09	3070	5/27/09	1240	8/4/09	19,000
			TCE (µg/m^3)	11/25/08	6540	3/26/09	957	5/27/09	-1800	8/4/09	9250

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015	308.3	340–352	CO_2 (µg/m^3)	11/25/08	2,680,000	3/26/09	3,100,000	5/27/09	1,580,000	8/4/09	3,880,000
			Freon-11 (µg/m^3)	11/25/08	-223	3/26/09	-1100	5/27/09	-462	8/4/09	-1300
			H_2O (µg/m^3)	11/25/08	7,190,000	3/26/09	-18,000	5/27/09	0.234[a]	8/4/09	12,100,000
			PCE (µg/m^3)	11/25/08	5790	3/26/09	143	5/27/09	-1500	8/4/09	845
			Pressure Differential (kPa)	11/25/08	0.02	3/26/09	0	5/27/09	0	8/4/09	0
			TCA (µg/m^3)	11/25/08	-7440	3/26/09	8210	5/27/09	2870	8/4/09	2220
			TCE (µg/m^3)	11/25/08	9590	3/26/09	3870	5/27/09	4	8/4/09	7960
	333.3	375–385	CO_2 (µg/m^3)	11/25/08	2,070,000	3/26/09	2,280,000	5/27/09	1,300,000	8/4/09	2,300,000
			Freon-11 (µg/m^3)	11/25/08	-275	3/26/09	-81	5/27/09	107	8/4/09	-228
			H_2O (µg/m^3)	11/25/08	6,650,000	3/26/09	-24,000	5/27/09	-3.8[a]	8/4/09	11,900,000
			PCE (µg/m^3)	11/25/08	1740	3/26/09	1370	5/27/09	-951	8/4/09	222
			Pressure Differential (kPa)	11/25/08	0.1	3/26/09	0.19	5/27/09	-0.05	8/4/09	-0.02
			TCA (µg/m^3)	11/25/08	-7440	3/26/09	9950	5/27/09	2810	8/4/09	2440
			TCE (µg/m^3)	11/25/08	3100	3/26/09	1770	5/27/09	-2000	8/4/09	2310
	377.7	425–435	CO_2 (µg/m^3)	11/25/08	2,140,000	3/26/09	1,730,000	5/27/09	1,800,000	8/4/09	2,090,000
			Freon-11 (µg/m^3)	11/25/08	-258	3/26/09	-992	5/27/09	238	8/4/09	-116
			H_2O (µg/m^3)	11/25/08	6,700,000	3/26/09	-24,000	5/27/09	1.81[a]	8/4/09	11,900,000
			PCE (µg/m^3)	11/25/08	1910	3/26/09	-624	5/27/09	-1400	8/4/09	1410
			Pressure Differential (kPa)	11/25/08	0.1	3/26/09	0.32	5/27/09	-0.05	8/4/09	-0.02
			TCA (µg/m^3)	11/25/08	-6380	3/26/09	15,700	5/27/09	-103	8/4/09	3230
			TCE (µg/m^3)	11/25/08	2970	3/26/09	2810	5/27/09	-2500	8/4/09	1750
	426.5	480–490	CO_2 (µg/m^3)	11/25/08	1,980,000	3/26/09	1,310,000	5/27/09	1,840,000	8/4/09	1,960,000
			Freon-11 (µg/m^3)	11/25/08	-286	3/26/09	-622	5/27/09	-64	8/4/09	203

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015	426.5	480–490	H_2O (µg/m^3)	11/25/08	6,990,000	3/26/09	-29,000	5/27/09	-2.5[a]	8/4/09	12,000,000
			PCE (µg/m^3)	11/25/08	897	3/26/09	2110	5/27/09	-1200	8/4/09	1470
			Pressure Differential (kPa)	11/25/08	0.1	3/26/09	0.15	5/27/09	-0.04	8/4/09	0
			TCA (µg/m^3)	11/25/08	-5320	3/26/09	16,600	5/27/09	2340	8/4/09	6080
			TCE (µg/m^3)	11/25/08	3570	3/26/09	1150	5/27/09	-1800	8/4/09	2080
	462.1	520–530	CO_2 (µg/m^3)	11/25/08	2,030,000	3/26/09	1,220,000	5/27/09	1,040,000	8/4/09	2,320,000
			Freon-11 (µg/m^3)	11/25/08	-3030	3/26/09	209	5/27/09	316	8/4/09	185
			H_2O (µg/m^3)	11/25/08	7,020,000	3/26/09	-26,000	5/27/09	-6.3[a]	8/4/09	14,400,000
			PCE (µg/m^3)	11/25/08	1810	3/26/09	844	5/27/09	-1200	8/4/09	1820
			Pressure Differential (kPa)	11/25/08	1.01	3/26/09	0	5/27/09	0	8/4/09	0
			TCA (µg/m^3)	11/25/08	-6380	3/26/09	16,500	5/27/09	5580	8/4/09	3860
			TCE (µg/m^3)	11/25/08	3210	3/26/09	-2000	5/27/09	-2600	8/4/09	56.7
54-01016	Ambient	Ambient	CO_2 (µg/m^3)	11/25/08	558,000	3/26/09	740,000	5/27/09	1,170,000	8/4/09	821,000
			Freon-11 (µg/m^3)	11/25/08	-8650	3/26/09	-1700	5/27/09	1050	8/4/09	63.5
			H_2O (µg/m^3)	11/25/08	3,290,000	3/26/09	3,230,000	5/27/09	-11[a]	8/4/09	7,640,000
			PCE (µg/m^3)	11/25/08	9460	3/26/09	4440	5/27/09	-721	8/4/09	1030
			Pressure Differential (kPa)	11/25/08	0	3/26/09	0	5/27/09	0	8/4/09	0
			TCA (µg/m^3)	11/25/08	-5850	3/26/09	-2000	5/27/09	7200	8/4/09	-1700
			TCE (µg/m^3)	11/25/08	-1540	3/26/09	4890	5/27/09	-5100	8/4/09	696
	36	30–40	CO_2 (µg/m^3)	11/25/08	5,670,000	3/26/09	2,330,000	5/27/09	2,620,000	8/4/09	5,120,000
			Freon-11 (µg/m^3)	11/25/08	1600	3/26/09	-4000	5/27/09	1580	8/4/09	1400
			H_2O (µg/m^3)	11/25/08	7,440,000	3/26/09	4,870,000	5/27/09	17.8[a]	8/4/09	10,900,000
			PCE (µg/m^3)	11/25/08	12,500	3/26/09	227	5/27/09	-2800	8/4/09	10,300

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01016	36	30–40	Pressure Differential (kPa)	11/25/08	0.09	3/26/09	0.4	5/27/09	0.02	8/4/09	-0.02
			TCA (µg/m^3)	11/25/08	17,200	3/26/09	281	5/27/09	-8600	8/4/09	27,600
			TCE (µg/m^3)	11/25/08	15,200	3/26/09	10,700	5/27/09	-4300	8/4/09	9010
	188	178–190	CO_2 (µg/m^3)	11/25/08	6,340,000	3/26/09	4,190,000	5/27/09	2,990,000	8/4/09	8,570,000
			Freon-11 (µg/m^3)	11/25/08	12,400	3/26/09	-433	5/27/09	-191	8/4/09	16,100
			H_2O (µg/m^3)	11/25/08	9,880,000	3/26/09	-1100	5/27/09	33.7[a]	8/4/09	12,200,000
			PCE (µg/m^3)	11/25/08	87,600	3/26/09	-661	5/27/09	-806,000	8/4/09	81,300
			Pressure Differential (kPa)	11/25/08	0	3/26/09	0.27	5/27/09	0	8/4/09	0
			TCA (µg/m^3)	11/25/08	112,000	3/26/09	537	5/27/09	-8900	8/4/09	149,000
			TCE (µg/m^3)	11/25/08	45,300	3/26/09	13	5/27/09	-1800	8/4/09	57,000
	318	318–324	CO_2 (µg/m^3)	11/25/08	3,100,000	3/26/09	3,620,000	5/27/09	2,570,000	8/4/09	4,140,000
			Freon-11 (µg/m^3)	11/25/08	1270	3/26/09	156	5/27/09	719	8/4/09	1570
			H_2O (µg/m^3)	11/25/08	10,700,000	3/26/09	-2300	5/27/09	36.3[a]	8/4/09	11,900,000
			PCE (µg/m^3)	11/25/08	12,300	3/26/09	-1300	5/27/09	1850	8/4/09	10,300
			Pressure Differential (kPa)	11/25/08	0.02	3/26/09	0	5/27/09	-0.02	8/4/09	0
			TCA (µg/m^3)	11/25/08	4,710,000	3/26/09	-1200	5/27/09	-13,000	8/4/09	14,800
			TCE (µg/m^3)	11/25/08	6380	3/26/09	-127	5/27/09	-4800	8/4/09	13,300
	336.3	386–396	CO_2 (µg/m^3)	11/25/08	1,940,000	3/26/09	3,040,000	5/27/09	1,170,000	8/4/09	961,000[b]
			Freon-11 (µg/m^3)	11/25/08	316	3/26/09	-1500	5/27/09	2450	8/4/09	-357[b]
			H_2O (µg/m^3)	11/25/08	10,400,000	3/26/09	-3500	5/27/09	26[a]	8/4/09	11,734,000[b]
			PCE (µg/m^3)	11/25/08	3650	3/26/09	-535	5/27/09	2560	8/4/09	9200[b]
			Pressure Differential (kPa)	11/25/08	0.01	3/26/09	0	5/27/09	-0.03	8/4/09	0[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01016	336.3	386–396	TCA (µg/m^3)	11/25/08	-4990	3/26/09	-748,000	5/27/09	-4500	8/4/09	797[b]
			TCE (µg/m^3)	11/25/08	-1000	3/26/09	3600	5/27/09	-8000	8/4/09	11,600[b]
	414.3	473–483	CO_2 (µg/m^3)	11/25/08	580,000	3/26/09	2400[b]	NS[c]	NS	NS	NS
			Freon-11 (µg/m^3)	11/25/08	-613	3/26/09	-561[b]	NS	NS	NS	NS
			H_2O (µg/m^3)	11/25/08	4,700,000	3/26/09	893,000[b]	NS	NS	NS	NS
			PCE (µg/m^3)	11/25/08	-598	3/26/09	431[b]	NS	NS	NS	NS
			Pressure Differential (kPa)	11/25/08	0	3/26/09	0[b]	5/27/09	0[d]	8/4/09	0[d]
			TCA (µg/m^3)	11/25/08	2820	3/26/09	-5800[b]	NS	NS	NS	NS
			TCE (µg/m^3)	11/25/08	1840	3/26/09	-4800[b]	NS	NS	NS	NS
	459.5	530–540	CO_2 (µg/m^3)	11/25/08	589,000	3/26/09	1,900,000[b]	NS	NS	NS	NS
			Freon-11 (µg/m^3)	11/25/08	-338	3/26/09	-1800[b]	NS	NS	NS	NS
			H_2O (µg/m^3)	11/25/08	3,980,000	3/26/09	3970[b]	NS	NS	NS	NS
			PCE (µg/m^3)	11/25/08	6950	3/26/09	-336,000[b]	NS	NS	NS	NS
			Pressure Differential (kPa)	11/25/08	0	3/26/09	0[b]	5/27/09	-0.02[d]	8/4/09	0[d]
			TCA (µg/m^3)	11/25/08	702	3/26/09	1740[b]	NS	NS	NS	NS
			TCE (µg/m^3)	11/25/08	1440	3/26/09	4860[b]	NS	NS	NS	NS
	517.6	592–602	CO_2 (µg/m^3)	11/25/08	684,000	3/26/09	1,540,000[b]	5/27/09	2,000,000	8/4/09	881,000[b]
			Freon-11 (µg/m^3)	11/25/08	-401	3/26/09	-1100[b]	5/27/09	-727	8/4/09	87.3[b]
			H_2O (µg/m^3)	11/25/08	5,750,000	3/26/09	6,790,000[b]	5/27/09	11.1[a,b]	8/4/09	9,550,000[b]
			PCE (µg/m^3)	11/25/08	5440	3/26/09	3480[b]	5/27/09	-6200	8/4/09	-446[b]
			Pressure Differential (kPa)	11/25/08	0	3/26/09	0[b]	5/27/09	-0.01	8/4/09	0[b]
			TCA (µg/m^3)	11/25/08	-5,160,000	3/26/09	-3200[b]	5/27/09	5550	8/4/09	1060[b]
			TCE (µg/m^3)	11/25/08	2300	3/26/09	5960[b]	5/27/09	349	8/4/09	1590[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001	Ambient	Ambient	CO_2 (µg/m^3)	11/14/08	587,000	3/10/09	882,000	5/5/09	765,000	8/18/09	820,000
			Freon-11 (µg/m^3)	11/14/08	269	3/10/09	87	5/5/09	-348	8/18/09	-754
			H_2O (µg/m^3)	11/14/08	4,400,000	3/10/09	3,300,000	5/5/09	38[a]	8/18/09	10,400,000
			PCE (µg/m^3)	11/14/08	3980	3/10/09	4680	5/5/09	-2000	8/18/09	1780
			Pressure Differential (kPa)	11/14/08	0	3/10/09	0	5/5/09	0	8/18/09	0
			TCA (µg/m^3)	11/14/08	2130	3/10/09	3280	5/5/09	-3000	8/18/09	-2300
			TCE (µg/m^3)	11/14/08	3070	3/10/09	5390	5/5/09	-1000	8/18/09	3220
	20	17.5–22.5	CO_2 (µg/m^3)	11/14/08	15,800,000	3/10/09	19,300,000	5/5/09	13,700,000	8/18/09	17,300,000
			Freon-11 (µg/m^3)	11/14/08	10,900	3/10/09	10,900	5/5/09	379	8/18/09	11,100
			H_2O (µg/m^3)	11/14/08	10,100,000	3/10/09	8,880,000	5/5/09	57.8[a]	8/18/09	14,200,000
			PCE (µg/m^3)	11/14/08	222,000	3/10/09	175,000	5/5/09	156,000	8/18/09	172,000
			Pressure Differential (kPa)	11/14/08	-0.04	3/10/09	-0.1	5/5/09	0.02	8/18/09	0
			TCA (µg/m^3)	11/14/08	840,000	3/10/09	1340	5/5/09	1,040,000	8/18/09	852,000
			TCE (µg/m^3)	11/14/08	464,000	3/10/09	461,000	5/5/09	520,000	8/18/09	408,000
	40	37.5–42.5	CO_2 (µg/m^3)	11/14/08	14,400,000	3/10/09	1,680,000	5/5/09	15,700,000	8/18/09	16,500,000
			Freon-11 (µg/m^3)	11/14/08	16,300	3/10/09	675	5/5/09	9630	8/18/09	16,300
			H_2O (µg/m^3)	11/14/08	10,800,000	3/10/09	9,760,000	5/5/09	59.2[a]	8/18/09	14,000,000
			PCE (µg/m^3)	11/14/08	316,000	3/10/09	29,600	5/5/09	269,000	8/18/09	289,000
			Pressure Differential (kPa)	11/14/08	-0.06	3/10/09	-0.04	5/5/09	0	8/18/09	-0.02
			TCA (µg/m^3)	11/14/08	1,220,000	3/10/09	78,700	5/5/09	1,520,000	8/18/09	1,310,000
			TCE (µg/m^3)	11/14/08	403,000	3/10/09	30,100	5/5/09	522,000	8/18/09	400,000
	60	57.5–62.5	CO_2 (µg/m^3)	11/14/08	3,260,000	NS	NS	5/5/09	37,800,000	8/18/09	5,610,000[e]
			Freon-11 (µg/m^3)	11/14/08	2550	NS	NS	5/5/09	2360	8/18/09	4860[e]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001	60	57.5–62.5	H_2O (µg/m^3)	11/14/08	8,250,000	NS	NS	5/5/09	63.2[a]	8/18/09	17,900,000[e]
			PCE (µg/m^3)	11/14/08	80,700	NS	NS	5/5/09	66,900	8/18/09	91,100[e]
			Pressure Differential (kPa)	11/14/08	0.02	3/10/09	-0.06[d]	5/5/09	0	8/18/09	0[e]
			TCA (µg/m^3)	11/14/08	279,000	NS	NS	5/5/09	285,000	8/18/09	390,000[e]
			TCE (µg/m^3)	11/14/08	86,300	NS	NS	5/5/09	95,500	8/18/09	103,000[e]
	80	77.5–82.5	CO_2 (µg/m^3)	11/14/08	12,300,000	3/10/09	18,000,000	5/5/09	13,400,000	8/18/09	15,900,000
			Freon-11 (µg/m^3)	11/14/08	15,100	3/10/09	10,300	5/5/09	9610	8/18/09	15,700
			H_2O (µg/m^3)	11/14/08	10,200,000	3/10/09	11,400,000	5/5/09	60.8[a]	8/18/09	13,600,000
			PCE (µg/m^3)	11/14/08	280,000	3/10/09	231,000	5/5/09	177,000	8/18/09	265,000
			Pressure Differential (kPa)	11/14/08	-0.12	3/10/09	-0.19	5/5/09	0.02	8/18/09	-0.06
			TCA (µg/m^3)	11/14/08	1,300,000	3/10/09	1,460,000	5/5/09	1020	8/18/09	1,270,000
			TCE (µg/m^3)	11/14/08	251,000	3/10/09	249,000	5/5/09	259,000	8/18/09	283,000
	100	97.5–102.5	CO_2 (µg/m^3)	11/14/08	4,720,000	3/10/09	14,800,000	5/5/09	8,570,000	8/18/09	9,430,000
			Freon-11 (µg/m^3)	11/14/08	4800	3/10/09	7980	5/5/09	6410	8/18/09	7600
			H_2O (µg/m^3)	11/14/08	8,550,000	3/10/09	9,340,000	5/5/09	55.7[a]	8/18/09	12,300,000
			PCE (µg/m^3)	11/14/08	107,000	3/10/09	159,000	5/5/09	117,000	8/18/09	140,000
			Pressure Differential (kPa)	11/14/08	-0.19	3/10/09	-0.15	5/5/09	0	8/18/09	-0.05
			TCA (µg/m^3)	11/14/08	513,000	3/10/09	1,200,000	5/5/09	699,000	8/18/09	723,000
			TCE (µg/m^3)	11/14/08	104,000	3/10/09	187,000	5/5/09	176,000	8/18/09	161,000
	120	117.5–122.5	CO_2 (µg/m^3)	11/14/08	6,890,000	3/10/09	13,500,000	5/5/09	12,400,000	8/18/09	12,900,000
			Freon-11 (µg/m^3)	11/14/08	7210	3/10/09	6420	5/5/09	98,500	8/18/09	12,100
			H_2O (µg/m^3)	11/14/08	9,950,000	3/10/09	9,970,000	5/5/09	58.8[a]	8/18/09	14,800,000
			PCE (µg/m^3)	11/14/08	100,000	3/10/09	116,000	5/5/09	116,000	8/18/09	131,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001	120	117.5–122.5	Pressure Differential (kPa)	11/14/08	-0.26	3/10/09	-0.2	5/5/09	0.02	8/18/09	-0.09
			TCA (µg/m^3)	11/14/08	803,000	3/10/09	1,110,000	5/5/09	1,060,000	8/18/09	999,000
			TCE (µg/m^3)	11/14/08	140,000	3/10/09	167,000	5/5/09	234,000	8/18/09	193,000
	140	137.5–142.5	CO_2 (µg/m^3)	11/14/08	10,500,000	3/10/09	15,300,000	5/5/09	13,400,000	8/18/09	13,900,000
			Freon-11 (µg/m^3)	11/14/08	11,300	3/10/09	7720	5/5/09	11,700	8/18/09	12,300
			H_2O (µg/m^3)	11/14/08	10,900,000	3/10/09	11,100,000	5/5/09	61.2[a]	8/18/09	15,100,000
			PCE (µg/m^3)	11/14/08	154,000	3/10/09	125,000	5/5/09	135,000	8/18/09	149,000
			Pressure Differential (kPa)	11/14/08	-0.26	3/10/09	-0.2	5/5/09	0.02	8/18/09	-0.1
			TCA (µg/m^3)	11/14/08	1,220,000	3/10/09	1,340,000	5/5/09	1,140,000	8/18/09	1,080,000
			TCE (µg/m^3)	11/14/08	207,000	3/10/09	194,000	5/5/09	249,000	8/18/09	209,000
	160	157.5–162.5	CO_2 (µg/m^3)	11/14/08	1,870,000	3/10/09	11,100,000[b]	NS	NS	8/18/09	4,730,000
			Freon-11 (µg/m^3)	11/14/08	1630	3/10/09	6040[b]	NS	NS	8/18/09	3440
			H_2O (µg/m^3)	11/14/08	8,250,000	3/10/09	9,970,000[b]	NS	NS	8/18/09	14,600,000
			PCE (µg/m^3)	11/14/08	21,900	3/10/09	64,700[b]	NS	NS	8/18/09	30,800
			Pressure Differential (kPa)	11/14/08	-0.18	3/10/09	-0.02[b]	5/5/09	0.02[d]	8/18/09	NS
			TCA (µg/m^3)	11/14/08	171,000	3/10/09	953,000[b]	NS	NS	8/18/09	289,000
			TCE (µg/m^3)	11/14/08	38,800	3/10/09	143,000[b]	NS	NS	8/18/09	58,500
	180	177.5–182.5	CO_2 (µg/m^3)	11/14/08	2,320,000	3/10/09	2,340,000[b]	NS	NS	NS	NS
			Freon-11 (µg/m^3)	11/14/08	2320	3/10/09	353[b]	NS	NS	NS	NS
			H_2O (µg/m^3)	11/14/08	7,810,000	3/10/09	7,510,000[b]	NS	NS	NS	NS
			PCE (µg/m^3)	11/14/08	38,700	3/10/09	18,000[b]	NS	NS	NS	NS
			Pressure Differential (kPa)	11/14/08	0.03	3/10/09	0[b]	5/5/09	0.02[d]	8/18/09	0[d]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001	180	177.5–182.5	TCA (µg/m^3)	11/14/08	164,000	3/10/09	116,000[b]	NS	NS	NS	NS
			TCE (µg/m^3)	11/14/08	63,800	3/10/09	40,600[b]	NS	NS	NS	NS
	200	197.5–202.5	CO_2 (µg/m^3)	11/14/08	8,820,000	3/10/09	13,200,000	5/5/09	11,900,000	8/18/09	12,600,000
			Freon-11 (µg/m^3)	11/14/08	10,600	3/10/09	6930	5/5/09	12,700	8/18/09	12,300
			H_2O (µg/m^3)	11/14/08	11,400,000	3/10/09	10,900,000	5/5/09	61.2[a]	8/18/09	15,500,000
			PCE (µg/m^3)	11/14/08	78,600	3/10/09	63,800	5/5/09	76,200	8/18/09	73,400
			Pressure Differential (kPa)	11/14/08	-0.18	3/10/09	0	5/5/09	0.05	8/18/09	-0.07
			TCA (µg/m^3)	11/14/08	675,000	3/10/09	826,000	5/5/09	749,000	8/18/09	732,000
			TCE (µg/m^3)	11/14/08	139,000	3/10/09	146,000	5/5/09	185,000	8/18/09	164,000
54-02002	Ambient	Ambient	CO_2 (µg/m^3)	11/17/08	616,000	3/19/09	1,110,000	5/19/09	892,000	7/27/09	941,000
			Freon-11 (µg/m^3)	11/17/08	693	3/19/09	1200	5/19/09	489	7/27/09	-703
			H_2O (µg/m^3)	11/17/08	3,830,000	3/19/09	8,240,000	5/19/09	44.5[a]	7/27/09	11,500,000
			PCE (µg/m^3)	11/17/08	7440	3/19/09	7010	5/19/09	228	7/27/09	1890
			Pressure Differential (kPa)	11/17/08	0	3/19/09	0	5/19/09	0	7/27/09	0
			TCA (µg/m^3)	11/17/08	2780	3/19/09	-9800	5/19/09	-760	7/27/09	1270
			TCE (µg/m^3)	11/17/08	12,200	3/19/09	4300	5/19/09	-2400	7/27/09	2840
	20	17.5–22.5	CO_2 (µg/m^3)	11/17/08	5,170,000	3/19/09	7540	5/19/09	8,120,000	7/27/09	13,100,000
			Freon-11 (µg/m^3)	11/17/08	11,100	3/19/09	1420	5/19/09	25,500	7/27/09	1700
			H_2O (µg/m^3)	11/17/08	8,110,000	3/19/09	10,200,000	5/19/09	56.8[a]	7/27/09	10,900,000
			PCE (µg/m^3)	11/17/08	118,000	3/19/09	144,000	5/19/09	159,000	7/27/09	8840
			Pressure Differential (kPa)	11/17/08	0.07	3/19/09	0	5/19/09	0.02	7/27/09	0
			TCA (µg/m^3)	11/17/08	247,000	3/19/09	268,000	5/19/09	280,000	7/27/09	12,000
			TCE (µg/m^3)	11/17/08	36,800	3/19/09	16,700	5/19/09	43,100	7/27/09	1680

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002	40	37.5–42.5	CO_2 (µg/m^3)	11/17/08	15,300,000	3/19/09	23,200,000	5/19/09	19,500,000	7/27/09	18,700,000
			Freon-11 (µg/m^3)	11/17/08	61,800	3/19/09	50,200	5/19/09	79,300	7/27/09	65,800
			H_2O (µg/m^3)	11/17/08	10,900,000	3/19/09	11,300,000	5/19/09	61[a]	7/27/09	14,000,000
			PCE (µg/m^3)	11/17/08	422,000	3/19/09	359,000	5/19/09	355,000	7/27/09	354,000
			Pressure Differential (kPa)	11/17/08	-0.26	3/19/09	0	5/19/09	0.08	7/27/09	0
			TCA (µg/m^3)	11/17/08	1,190,000	3/19/09	1,250,000	5/19/09	1,190,000	7/27/09	1,070,000
			TCE (µg/m^3)	11/17/08	215,000	3/19/09	189,000	5/19/09	270,000	7/27/09	203,000
	60	57.5–62.5	CO_2 (µg/m^3)	11/17/08	20,300,000	3/19/09	29,400,000	5/19/09	25,700,000	7/27/09	26,800,000
			Freon-11 (µg/m^3)	11/17/08	72,700	3/19/09	74,300	5/19/09	124,000	7/27/09	113,000
			H_2O (µg/m^3)	11/17/08	11,200,000	3/19/09	11,200,000	5/19/09	61.2[a]	7/27/09	14,300,000
			PCE (µg/m^3)	11/17/08	657,000	3/19/09	713,000	5/19/09	727,000	7/27/09	824,000
			Pressure Differential (kPa)	11/17/08	0	3/19/09	0.05	5/19/09	0.06	7/27/09	0
			TCA (µg/m^3)	11/17/08	1,330,000	3/19/09	1,470,000	5/19/09	1,380,000	7/27/09	1,310,000
			TCE (µg/m^3)	11/17/08	170,000	3/19/09	102,000	5/19/09	226,000	7/27/09	172,000
	80	77.5–82.5	CO_2 (µg/m^3)	11/17/08	4,050,000	NS	NS	NS	NS	NS	NS
			Freon-11 (µg/m^3)	11/17/08	11,200	NS	NS	NS	NS	NS	NS
			H_2O (µg/m^3)	11/17/08	8,330,000	NS	NS	NS	NS	NS	NS
			PCE (µg/m^3)	11/17/08	104,000	NS	NS	NS	NS	NS	NS
			Pressure Differential (kPa)	11/17/08	0	3/19/09	0.02[d]	5/19/09	0.02[d]	7/27/09	0[d]
			TCA (µg/m^3)	11/17/08	287,000	NS	NS	NS	NS	NS	NS
			TCE (µg/m^3)	11/17/08	56,300	NS	NS	NS	NS	NS	NS
	100	97.5–102.5	CO_2 (µg/m^3)	11/17/08	1,910,000	3/19/09	28,100,000	5/19/09	23,300,000	7/27/09	26,300,000
			Freon-11 (µg/m^3)	11/17/08	60,700	3/19/09	58,200	5/19/09	93,300	7/27/09	84,600

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002	100	97.5–102.5	H_2O (µg/m^3)	11/17/08	11,300,000	3/19/09	11,200,000	5/19/09	61[a]	7/27/09	14,200,000
			PCE (µg/m^3)	11/17/08	526,000	3/19/09	523,000	5/19/09	520,000	7/27/09	579,000
			Pressure Differential (kPa)	11/17/08	-0.13	3/19/09	0	5/19/09	0	7/27/09	0
			TCA (µg/m^3)	11/17/08	1,440,000	3/19/09	1,520,000	5/19/09	1,370,000	7/27/09	1,360,000
			TCE (µg/m^3)	11/17/08	249,000	3/19/09	188,000	5/19/09	282,000	7/27/09	233,000
	120	117.5–122.5	CO_2 (µg/m^3)	11/17/08	16,300,000	3/19/09	19,100,000	NS	NS	7/27/09	11,600,000
			Freon-11 (µg/m^3)	11/17/08	53,700	3/19/09	36,100	NS	NS	7/27/09	34,600
			H_2O (µg/m^3)	11/17/08	11,000,000	3/19/09	1,0200,000	NS	NS	7/27/09	12,800,000
			PCE (µg/m^3)	11/17/08	400,000	3/19/09	285,000	NS	NS	7/27/09	217,000
			Pressure Differential (kPa)	11/17/08	-0.16	3/19/09	0	5/19/09	0[d]	7/27/09	0
			TCA (µg/m^3)	11/17/08	1,140,000	3/19/09	1,000,000	NS	NS	7/27/09	606,000
			TCE (µg/m^3)	11/17/08	209,000	3/19/09	143,000	NS	NS	7/27/09	116,000
	140	137.5–142.5	CO_2 (µg/m^3)	11/17/08	7,600,000	3/19/09	15,500,000	5/19/09	10,300,000	7/27/09	9,740,000
			Freon-11 (µg/m^3)	11/17/08	17,700	3/19/09	32,100	5/19/09	37,200	7/27/09	27,400
			H_2O (µg/m^3)	11/17/08	9,580,000	3/19/09	10,100,000	5/19/09	54.1[a]	7/27/09	20,000,000
			PCE (µg/m^3)	11/17/08	159,000	3/19/09	314,000	5/19/09	213,000	7/27/09	205,000
			Pressure Differential (kPa)	11/17/08	0.02	3/19/09	0.04	5/19/09	0.04	7/27/09	0
			TCA (µg/m^3)	11/17/08	372,000	3/19/09	649,000	5/19/09	396,000	7/27/09	327,000
			TCE (µg/m^3)	11/17/08	61,600	3/19/09	37,600	5/19/09	58,000	7/27/09	45,900
	157	154.5–159.5	CO_2 (µg/m^3)	11/17/08	4,950,000	3/19/09	10,800,000	5/19/09	6,690,000	7/27/09	6,900,000
			Freon-11 (µg/m^3)	11/17/08	13,600	3/19/09	23,500	5/19/09	25,700	7/27/09	22,200
			H_2O (µg/m^3)	11/17/08	8,770,000	3/19/09	9,240,000	5/19/09	50.9[a]	7/27/09	11,200,000
			PCE (µg/m^3)	11/17/08	120,000	3/19/09	163,000	5/19/09	114,000	7/27/09	120,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002	157	154.5–159.5	Pressure Differential (kPa)	11/17/08	-0.39	3/19/09	-0.08	5/19/09	0	7/27/09	0
			TCA (µg/m^3)	11/17/08	316,000	3/19/09	570,000	5/19/09	382,000	7/27/09	374,000
			TCE (µg/m^3)	11/17/08	73,900	3/19/09	95,800	5/19/09	104,000	7/27/09	88,900
	180	177.5–182.5	CO_2 (µg/m^3)	11/17/08	16,700,000	3/19/09	24,200,000	5/19/09	20,400,000	7/27/09	17,300,000
			Freon-11 (µg/m^3)	11/17/08	53,400	3/19/09	48,200	5/19/09	78,500	7/27/09	55,700
			H_2O (µg/m^3)	11/17/08	11,200,000	3/19/09	11,200,000	5/19/09	62.3[a]	7/27/09	14,800,000
			PCE (µg/m^3)	11/17/08	393,000	3/19/09	371,000	5/19/09	384,000	7/27/09	336,000
			Pressure Differential (kPa)	11/17/08	-0.16	3/19/09	0.02	5/19/09	0	7/27/09	0
			TCA (µg/m^3)	11/17/08	1,210,000	3/19/09	1,320,000	5/19/09	1,230,000	7/27/09	964,000
			TCE (µg/m^3)	11/17/08	225,000	3/19/09	187,000	5/19/09	267,000	7/27/09	182,000
	200	197.5–202.5	CO_2 (µg/m^3)	11/17/08	10,600,000	3/19/09	17,900,000	5/19/09	15,800,000	7/27/09	16,000,000
			Freon-11 (µg/m^3)	11/17/08	50,800	3/19/09	48,900	5/19/09	836,000	7/27/09	68,500
			H_2O (µg/m^3)	11/17/08	11,300,000	3/19/09	11,100,000	5/19/09	61.5[a]	7/27/09	13,000,000
			PCE (µg/m^3)	11/17/08	286,000	3/19/09	303,000	5/19/09	304,000	7/27/09	308,000
			Pressure Differential (kPa)	11/17/08	-0.54	3/19/09	-0.13	5/19/09	0	7/27/09	0
			TCA (µg/m^3)	11/17/08	728,000	3/19/09	934,000	5/19/09	936,000	7/27/09	883,000
			TCE (µg/m^3)	11/17/08	156,000	3/19/09	168,000	5/19/09	250,000	7/27/09	198,000
54-02016	Ambient	Ambient	CO_2 (µg/m^3)	11/4/08	562,000	3/12/09	866,000	5/13/09	778,000	7/21/09	861,000
			Freon-11 (µg/m^3)	11/4/08	899	3/12/09	27	5/13/09	-191	7/21/09	1410
			H_2O (µg/m^3)	11/4/08	6,340,000	3/12/09	5,190,000	5/13/09	32.8[a]	7/21/09	11,000,000
			PCE (µg/m^3)	11/4/08	6720	3/12/09	3640	5/13/09	-608	7/21/09	4340
			Pressure Differential (kPa)	11/4/08	0	3/12/09	0	5/13/09	0	7/21/09	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02016	Ambient	Ambient	TCA (µg/m^3)	11/4/08	-978	3/12/09	-221	5/13/09	-4600	7/21/09	345
			TCE (µg/m^3)	11/4/08	-5890	3/12/09	2130	5/13/09	-1100	7/21/09	-1900
	18	15.5–20.5	CO_2 (µg/m^3)	11/4/08	3,260,000	NS	NS	NS	NS	NS	NS
			Freon-11 (µg/m^3)	11/4/08	8020	NS	NS	NS	NS	NS	NS
			H_2O (µg/m^3)	11/4/08	8,180,000	NS	NS	NS	NS	NS	NS
			PCE (µg/m^3)	11/4/08	102,000	NS	NS	NS	NS	NS	NS
			Pressure Differential (kPa)	11/4/08	0.56	3/12/09	0[d]	5/13/09	0[d]	7/21/09	0[d]
			TCA (µg/m^3)	11/4/08	339,000	NS	NS	NS	NS	NS	NS
			TCE (µg/m^3)	11/4/08	68,000	NS	NS	NS	NS	NS	NS
	31	28.5–33.5	CO_2 (µg/m^3)	11/4/08	35,500,000	3/12/09	48,800,000	5/13/09	38,100,000	7/21/09	37,700,000
			Freon-11 (µg/m^3)	11/4/08	92,200	3/12/09	112,000	5/13/09	199,000	7/21/09	146,000
			H_2O (µg/m^3)	11/4/08	14,600,000	3/12/09	13,100,000	5/13/09	71.5[a]	7/21/09	15,600,000
			PCE (µg/m^3)	11/4/08	862,000	3/12/09	1,100,000	5/13/09	1,190,000	7/21/09	1,090,000
			Pressure Differential (kPa)	11/4/08	0.05	3/12/09	0.07	5/13/09	0	7/21/09	-0.03
			TCA (µg/m^3)	11/4/08	1,900,000	3/12/09	1,900,000	5/13/09	1,640,000	7/21/09	1,540,000
			TCE (µg/m^3)	11/4/08	270,000	3/12/09	125,000	5/13/09	238,000	7/21/09	192,000
	82	79.5–84.5	CO_2 (µg/m^3)	11/4/08	32,800,000	3/12/09	36,300,000	5/13/09	27,500,000	7/21/09	2,650,000
			Freon-11 (µg/m^3)	11/4/08	88,200	3/12/09	81,800	5/13/09	137,000	7/21/09	6190
			H_2O (µg/m^3)	11/4/08	16,100,000	3/12/09	10,500,000	5/13/09	58.1[a]	7/21/09	11,000,000
			PCE (µg/m^3)	11/4/08	827,000	3/12/09	806,000	5/13/09	808,000	7/21/09	40,700
			Pressure Differential (kPa)	11/4/08	0.06	3/12/09	0	5/13/09	0.03	7/21/09	0
			TCA (µg/m^3)	11/4/08	1,390,000	3/12/09	1,040,000	5/13/09	873,000	7/21/09	43,200
			TCE (µg/m^3)	11/4/08	168,000	3/12/09	5320	5/13/09	81,700	7/21/09	-192

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020	Ambient	Ambient	CO_2 (µg/m^3)	11/24/08	583,000	3/24/09	957,000	5/26/09	793,000	8/3/09	792,000
			Freon-11 (µg/m^3)	11/24/08	-418	3/24/09	598	5/26/09	-1500	8/3/09	95
			H_2O (µg/m^3)	11/24/08	3,220,000	3/24/09	4,230,000	5/26/09	53.1[a]	8/3/09	9,710,000
			PCE (µg/m^3)	11/24/08	1720	3/24/09	5310	5/26/09	-9100	8/3/09	1520
			Pressure Differential (kPa)	11/24/08	0	3/24/09	0	5/26/09	0	8/3/09	0
			TCA (µg/m^3)	11/24/08	-697	3/24/09	-2800	5/26/09	-2600	8/3/09	1290
			TCE (µg/m^3)	11/24/08	4470	3/24/09	470	5/26/09	8750	8/3/09	1480
	20	10–30	CO_2 (µg/m^3)	11/24/08	7,630,000	3/24/09	9,630,000	5/26/09	9,130,000	8/3/09	10,400,000
			Freon-11 (µg/m^3)	11/24/08	6700	3/24/09	4660	5/26/09	9110	8/3/09	7600
			H_2O (µg/m^3)	11/24/08	8,110,000	3/24/09	10,600,000	5/26/09	60.3[a]	8/3/09	12,300,000
			PCE (µg/m^3)	11/24/08	4,050,000	3/24/09	30,800	5/26/09	38,500	8/3/09	36,200
			Pressure Differential (kPa)	11/24/08	-0.04	3/24/09	0.04	5/26/09	0	8/3/09	-0.03
			TCA (µg/m^3)	11/24/08	76,000	3/24/09	87,500	5/26/09	89,900	8/3/09	102,000
			TCE (µg/m^3)	11/24/08	20,000	3/24/09	12,300	5/26/09	16,800	8/3/09	18,000
	40	30–50	CO_2 (µg/m^3)	11/24/08	8,050,000	3/24/09	10,800,000	5/26/09	9,620,000	8/3/09	10,000,000
			Freon-11 (µg/m^3)	11/24/08	9730	3/24/09	6920	5/26/09	14,000	8/3/09	11,000
			H_2O (µg/m^3)	11/24/08	8,480,000	3/24/09	11,100,000	5/26/09	60.5[a]	8/3/09	12,000,000
			PCE (µg/m^3)	11/24/08	59,300	3/24/09	45,700	5/26/09	53,500	8/3/09	50,600
			Pressure Differential (kPa)	11/24/08	-0.12	3/24/09	0.03	5/26/09	-0.02	8/3/09	0
			TCA (µg/m^3)	11/24/08	129,000	3/24/09	138,000	5/26/09	147,000	8/3/09	154,000
			TCE (µg/m^3)	11/24/08	31,700	3/24/09	22,000	5/26/09	31,700	8/3/09	29,600
	60	50–70	CO_2 (µg/m^3)	11/24/08	7,740,000	3/24/09	11,100,000	5/26/09	1,000,000	8/3/09	4,810,000
			Freon-11 (µg/m^3)	11/24/08	11,300	3/24/09	8470	5/26/09	15,400	8/3/09	11,300

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020	60	50–70	H_2O (µg/m^3)	11/24/08	8,400,000	3/24/09	11,100,000	5/26/09	60.9[a]	8/3/09	11,100,000
			PCE (µg/m^3)	11/24/08	70,200	3/24/09	55,200	5/26/09	64,600	8/3/09	51,900
			Pressure Differential (kPa)	11/24/08	-0.25	3/24/09	0.6	5/26/09	-0.03	8/3/09	-0.11
			TCA (µg/m^3)	11/24/08	155,000	3/24/09	177,000	5/26/09	183,000	8/3/09	128,000
			TCE (µg/m^3)	11/24/08	31,800	3/24/09	27,700	5/26/09	40,400	8/3/09	25,800
	80	70–90	CO_2 (µg/m^3)	11/24/08	7,780,000	3/24/09	11,400,000	5/26/09	10,300,000	8/3/09	10,200,000
			Freon-11 (µg/m^3)	11/24/08	13,700	3/24/09	10,300	5/26/09	17,800	8/3/09	15,200
			H_2O (µg/m^3)	11/24/08	8,770,000	3/24/09	11,200,000	5/26/09	60.2[a]	8/3/09	12,100,000
			PCE (µg/m^3)	11/24/08	78,600	3/24/09	66,600	5/26/09	72,200	8/3/09	74,300
			Pressure Differential (kPa)	11/24/08	-0.37	3/24/09	0	5/26/09	0	8/3/09	-0.14
			TCA (µg/m^3)	11/24/08	196,000	3/24/09	205,000	5/26/09	214,000	8/3/09	219,000
			TCE (µg/m^3)	11/24/08	38,600	3/24/09	30,900	5/26/09	50,200	8/3/09	43,900
	95	90–110	CO_2 (µg/m^3)	11/24/08	6,080,000	3/24/09	10,700,000	5/26/09	9,670,000	8/3/09	10,200,000
			Freon-11 (µg/m^3)	11/24/08	11,300	3/24/09	11,000	5/26/09	20,200	8/3/09	16,500
			H_2O (µg/m^3)	11/24/08	8,400,000	3/24/09	10,700,000	5/26/09	58.4[a]	8/3/09	11,900,000
			PCE (µg/m^3)	11/24/08	70,900	3/24/09	68,000	5/26/09	75,400	8/3/09	78,900
			Pressure Differential (kPa)	11/24/08	-0.44	3/24/09	0	5/26/09	0.06	8/3/09	-0.12
			TCA (µg/m^3)	11/24/08	156,000	3/24/09	209,000	5/26/09	217,000	8/3/09	238,000
			TCE (µg/m^3)	11/24/08	31,900	3/24/09	30,300	5/26/09	47,400	8/3/09	47,200
	120	110–130	CO_2 (µg/m^3)	11/24/08	4,790,000	3/24/09	9,370,000	5/26/09	9,260,000	8/3/09	9,650,000
			Freon-11 (µg/m^3)	11/24/08	9910	3/24/09	10,200	5/26/09	21,400	8/3/09	18,000
			H_2O (µg/m^3)	11/24/08	8,110,000	3/24/09	10,100,000	5/26/09	57.8[a]	8/3/09	11,800,000
			PCE (µg/m^3)	11/24/08	68,600	3/24/09	69,600	5/26/09	83,500	8/3/09	84,200

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020	120	110–130	Pressure Differential (kPa)	11/24/08	-0.43	3/24/09	0	5/26/09	0	8/3/09	-0.09
			TCA (µg/m^3)	11/24/08	144,000	3/24/09	209,000	5/26/09	235,000	8/3/09	248,000
			TCE (µg/m^3)	11/24/08	31,800	3/24/09	36,600	5/26/09	52,700	8/3/09	51,100
	140	130–150	CO_2 (µg/m^3)	11/24/08	4,140,000	3/24/09	8,490,000	5/26/09	7,890,000	8/3/09	8,430,000
			Freon-11 (µg/m^3)	11/24/08	9680	3/24/09	11,800	5/26/09	22,300	8/3/09	18,500
			H_2O (µg/m^3)	11/24/08	8,030,000	3/24/09	9,980,000	5/26/09	55.6[a]	8/3/09	10,600,000
			PCE (µg/m^3)	11/24/08	65,200	3/24/09	78,700	5/26/09	84,800	8/3/09	85,300
			Pressure Differential (kPa)	11/24/08	-0.45	3/24/09	1.1	5/26/09	0.03	8/3/09	-0.15
			TCA (µg/m^3)	11/24/08	136,000	3/24/09	210,000	5/26/09	216,000	8/3/09	235,000
			TCE (µg/m^3)	11/24/08	32,500	3/24/09	32,200	5/26/09	47,900	8/3/09	47,400
	160	150–170	CO_2 (µg/m^3)	11/24/08	3,850,000	3/24/09	6,560,000	5/26/09	4,320,000	8/3/09	5,040,000
			Freon-11 (µg/m^3)	11/24/08	9280	3/24/09	9410	5/26/09	11,800	8/3/09	11,300
			H_2O (µg/m^3)	11/24/08	7,590,000	3/24/09	9,730,000	5/26/09	54.9[a]	8/3/09	10,400,000
			PCE (µg/m^3)	11/24/08	61,700	3/24/09	66,400	5/26/09	47,800	8/3/09	52,100
			Pressure Differential (kPa)	11/24/08	-0.44	3/24/09	0	5/26/09	0	8/3/09	-0.07
			TCA (µg/m^3)	11/24/08	136,000	3/24/09	159,000	5/26/09	114,000	8/3/09	138,000
			TCE (µg/m^3)	11/24/08	32,800	3/24/09	27,200	5/26/09	29,900	8/3/09	29,200
	180	170–190	CO_2 (µg/m^3)	11/24/08	5,710,000	3/24/09	10,000,000	5/26/09	8,900,000	8/3/09	9,530,000
			Freon-11 (µg/m^3)	11/24/08	17,600	3/24/09	16,400	5/26/09	29,900	8/3/09	25,900
			H_2O (µg/m^3)	11/24/08	8,620,000	3/24/09	10,700,000	5/26/09	55.7[a]	8/3/09	10,900,000
			PCE (µg/m^3)	11/24/08	115,000	3/24/09	110,000	5/26/09	112,000	8/3/09	118,000
			Pressure Differential (kPa)	11/24/08	-0.45	3/24/09	0.14	5/26/09	0.09	8/3/09	-0.15

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020	180	170–190	TCA (µg/m^3)	11/24/08	207,000	3/24/09	263,000	5/26/09	251,000	8/3/09	286,000
			TCE (µg/m^3)	11/24/08	44,600	3/24/09	42,600	5/26/09	58,300	8/3/09	58,800
	200	190–210	CO_2 (µg/m^3)	11/24/08	5,690,000	3/24/09	9,560,000	5/26/09	8,700,000	8/3/09	9,020,000
			Freon-11 (µg/m^3)	11/24/08	18,900	3/24/09	17,100	5/26/09	30,600	8/3/09	26,300
			H_2O (µg/m^3)	11/24/08	8,840,000	3/24/09	10,700,000	5/26/09	56.7[a]	8/3/09	10,700,000
			PCE (µg/m^3)	11/24/08	111,000	3/24/09	112,000	5/26/09	116,000	8/3/09	114,000
			Pressure Differential (kPa)	11/24/08	-0.35	3/24/09	0.17	5/26/09	0.1	8/3/09	-0.15
			TCA (µg/m^3)	11/24/08	191,000	3/24/09	237,000	5/26/09	237,000	8/3/09	262,000
			TCE (µg/m^3)	11/24/08	37,000	3/24/09	34,200	5/26/09	56,400	8/3/09	53,300
54-02021	Ambient	Ambient	CO_2 (µg/m^3)	11/12/08	621,000	3/11/09	899,000	5/5/09	1090	7/22/09	847,000
			Freon-11 (µg/m^3)	11/12/08	-435	3/11/09	32	5/5/09	-662	7/22/09	146
			H_2O (µg/m^3)	11/12/08	108,000	3/11/09	3,780,000	5/5/09	40.1[a]	7/22/09	12,100,000
			PCE (µg/m^3)	11/12/08	1060	3/11/09	2710	5/5/09	-2000	7/22/09	368
			Pressure Differential (kPa)	11/12/08	0	3/11/09	0	5/5/09	0	7/22/09	0
			TCA (µg/m^3)	11/12/08	-1810	3/11/09	-1400	5/5/09	-3800	7/22/09	740
			TCE (µg/m^3)	11/12/08	1970	3/11/09	1900	5/5/09	4110	7/22/09	452
	20	10–30	CO_2 (µg/m^3)	11/12/08	10,200,000	3/11/09	11,600,000	5/5/09	9,650,000	7/22/09	11,700,000
			Freon-11 (µg/m^3)	11/12/08	1230	3/11/09	201	5/5/09	1350	7/22/09	968
			H_2O (µg/m^3)	11/12/08	9,800,000	3/11/09	10,800,000	5/5/09	59.6[a]	7/22/09	13,500,000
			PCE (µg/m^3)	11/12/08	11,900	3/11/09	4790	5/5/09	7680	7/22/09	10,400
			Pressure Differential (kPa)	11/12/08	0.02	3/11/09	0.03	5/5/09	0.05	7/22/09	0.02
			TCA (µg/m^3)	11/12/08	112,000	3/11/09	89,500	5/5/09	99,700	7/22/09	121,000
			TCE (µg/m^3)	11/12/08	24,200	3/11/09	16,900	5/5/09	17,200	7/22/09	22,700

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021	40	30–50	CO_2 (µg/m^3)	11/12/08	4,210,000	3/11/09	5,770,000	5/5/09	4,740,000	7/22/09	5,570,000
			Freon-11 (µg/m^3)	11/12/08	-166	3/11/09	178	5/5/09	-899	7/22/09	816
			H_2O (µg/m^3)	11/12/08	8,330,000	3/11/09	8,480,000	5/5/09	54.3[a]	7/22/09	13,700,000
			PCE (µg/m^3)	11/12/08	4480	3/11/09	4950	5/5/09	-951	7/22/09	6670
			Pressure Differential (kPa)	11/12/08	0.02	3/11/09	0.03	5/5/09	0.02	7/22/09	0.02
			TCA (µg/m^3)	11/12/08	65,900	3/11/09	62,800	5/5/09	65,900	7/22/09	77,700
			TCE (µg/m^3)	11/12/08	16,000	3/11/09	13,900	5/5/09	19,600	7/22/09	16,000
	60	50–70	CO_2 (µg/m^3)	11/12/08	6,820,000	3/11/09	11,200,000	5/5/09	9,170,000	7/22/09	10,000,000
			Freon-11 (µg/m^3)	11/12/08	-2250	3/11/09	906	5/5/09	79	7/22/09	2200
			H_2O (µg/m^3)	11/12/08	8,700,000	3/11/09	10,300,000	5/5/09	59.6[a]	7/22/09	14,300,000
			PCE (µg/m^3)	11/12/08	17,500	3/11/09	11,800	5/5/09	12,000	7/22/09	16,900
			Pressure Differential (kPa)	11/12/08	0.04	3/11/09	0.02	5/5/09	0.07	7/22/09	0.05
			TCA (µg/m^3)	11/12/08	189,000	3/11/09	212,000	5/5/09	199,000	7/22/09	219,000
			TCE (µg/m^3)	11/12/08	34,500	3/11/09	34,300	5/5/09	45,800	7/22/09	42,200
	80	70–90	CO_2 (µg/m^3)	11/12/08	2,560,000	NS	NS	NS	NS	NS	NS
			Freon-11 (µg/m^3)	11/12/08	1550	NS	NS	NS	NS	NS	NS
			H_2O (µg/m^3)	11/12/08	7,520,000	NS	NS	NS	NS	NS	NS
			PCE (µg/m^3)	11/12/08	8410	NS	NS	NS	NS	NS	NS
			Pressure Differential (kPa)	11/12/08	0.01	3/11/09	0[d]	5/5/09	0.02[d]	7/22/09	0.02[d]
			TCA (µg/m^3)	11/12/08	78,200	NS	NS	NS	NS	NS	NS
			TCE (µg/m^3)	11/12/08	11,600	NS	NS	NS	NS	NS	NS
	100	90–110	CO_2 (µg/m^3)	11/12/08	7,430,000	3/11/09	12,000,000	5/5/09	9,700,000	7/22/09	9,780,000
			Freon-11 (µg/m^3)	11/12/08	1900	3/11/09	1740	5/5/09	4240	7/22/09	3130

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021	100	90–110	H_2O (µg/m^3)	11/12/08	9,070,000	3/11/09	10,700,000	5/5/09	59[a]	7/22/09	14,000,000
			PCE (µg/m^3)	11/12/08	22,600	3/11/09	19,600	5/5/09	21,500	7/22/09	22,300
			Pressure Differential (kPa)	11/12/08	0.03	3/11/09	-0.05	5/5/09	0.13	7/22/09	0.05
			TCA (µg/m^3)	11/12/08	298,000	3/11/09	347,000	5/5/09	305,000	7/22/09	299,000
			TCE (µg/m^3)	11/12/08	58,900	3/11/09	53,300	5/5/09	59,800	7/22/09	56,700
	120	110–130	CO_2 (µg/m^3)	11/12/08	1,430,000	NS	NS	NS	NS	NS	NS
			Freon-11 (µg/m^3)	11/12/08	-1190	NS	NS	NS	NS	NS	NS
			H_2O (µg/m^3)	11/12/08	6,710,000	NS	NS	NS	NS	NS	NS
			PCE (µg/m^3)	11/12/08	5190	NS	NS	NS	NS	NS	NS
			Pressure Differential (kPa)	11/12/08	0.01	3/11/09	0[d]	5/5/09	0.03[d]	7/22/09	0[d]
			TCA (µg/m^3)	11/12/08	30,700	NS	NS	NS	NS	NS	NS
			TCE (µg/m^3)	11/12/08	10,900	NS	NS	NS	NS	NS	NS
	140	130–150	CO_2 (µg/m^3)	11/12/08	3,460,000	3/11/09	12,400,000	5/5/09	10,200,000	7/22/09	10,400,000
			Freon-11 (µg/m^3)	11/12/08	-544	3/11/09	2440	5/5/09	4200	7/22/09	4090
			H_2O (µg/m^3)	11/12/08	7,660,000	3/11/09	11,500,000	5/5/09	59.8[a]	7/22/09	13,800,000
			PCE (µg/m^3)	11/12/08	5420	3/11/09	23,400	5/5/09	26,300	7/22/09	29,000
			Pressure Differential (kPa)	11/12/08	0.02	3/11/09	-0.14	5/5/09	0.16	7/22/09	0.05
			TCA (µg/m^3)	11/12/08	52,200	3/11/09	388,000	5/5/09	346,000	7/22/09	346,000
			TCE (µg/m^3)	11/12/08	15,100	3/11/09	60,800	5/5/09	76,500	7/22/09	65,800
	160	150–170	CO_2 (µg/m^3)	11/12/08	2,470,000	3/11/09	5,850,000	5/5/09	4820	7/22/09	5,830,000
			Freon-11 (µg/m^3)	11/12/08	-126	3/11/09	1070	5/5/09	1140	7/22/09	2600
			H_2O (µg/m^3)	11/12/08	7,300,000	3/11/09	7,800,000	5/5/09	55[a]	7/22/09	13,000,000
			PCE (µg/m^3)	11/12/08	8340	3/11/09	13,000	5/5/09	11,600	7/22/09	17,200

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021	160	150–170	Pressure Differential (kPa)	11/12/08	0	3/11/09	-0.07	5/5/09	0.19	7/22/09	0.02
			TCA (µg/m^3)	11/12/08	84,500	3/11/09	164,000	5/5/09	143,000	7/22/09	178,000
			TCE (µg/m^3)	11/12/08	22,100	3/11/09	28,800	5/5/09	35,700	7/22/09	35,100
	180	170–190	CO_2 (µg/m^3)	11/12/08	8,300,000	3/11/09	12,100,000	5/5/09	10,800,000	7/22/09	11,000,000
			Freon-11 (µg/m^3)	11/12/08	3020	3/11/09	2570	5/5/09	4260	7/22/09	4900
			H_2O (µg/m^3)	11/12/08	9,140,000	3/11/09	9,910,000	5/5/09	58.2[a]	7/22/09	10,900,000
			PCE (µg/m^3)	11/12/08	29,400	3/11/09	23,200	5/5/09	29,800	7/22/09	31,000
			Pressure Differential (kPa)	11/12/08	0.02	3/11/09	-0.12	5/5/09	0.13	7/22/09	0.05
			TCA (µg/m^3)	11/12/08	373,000	3/11/09	385,000	5/5/09	361,000	7/22/09	373,000
			TCE (µg/m^3)	11/12/08	72,300	3/11/09	60,600	5/5/09	84,500	7/22/09	71,800
	198	190–210	CO_2 (µg/m^3)	11/12/08	7,580,000	3/11/09	10,600,000	5/5/09	9,740,000	7/22/09	9,970,000
			Freon-11 (µg/m^3)	11/12/08	4480	3/11/09	2620	5/5/09	4330	7/22/09	5380
			H_2O (µg/m^3)	11/12/08	9,070,000	3/11/09	9,900,000	5/5/09	60.2[a]	7/22/09	11,600,000
			PCE (µg/m^3)	11/12/08	29,100	3/11/09	21,500	5/5/09	27,900	7/22/09	28,900
			Pressure Differential (kPa)	11/12/08	0	3/11/09	-0.31	5/5/09	0.2	7/22/09	0.02
			TCA (µg/m^3)	11/12/08	274,000	3/11/09	272,000	5/5/09	278,000	7/22/09	289,000
			TCE (µg/m^3)	11/12/08	57,900	3/11/09	48,100	5/5/09	70,300	7/22/09	59,700
54-02022	Ambient	Ambient	CO_2 (µg/m^3)	11/13/08	670,000	3/11/09	990,000	5/4/09	789,000	7/24/09	1,030,000
			Freon-11 (µg/m^3)	11/13/08	-533	3/11/09	-66	5/4/09	-61	7/24/09	0.1
			H_2O (µg/m^3)	11/13/08	5,840,000	3/11/09	9,980,000	5/4/09	38.6[a]	7/24/09	12,900,000
			PCE (µg/m^3)	11/13/08	1200	3/11/09	3180	5/4/09	-885	7/24/09	2500
			Pressure Differential (kPa)	11/13/08	0	3/11/09	0	5/4/09	0	7/24/09	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022	Ambient	Ambient	TCA (µg/m^3)	11/13/08	-2910	3/11/09	-4400	5/4/09	-3400	7/24/09	-1500
			TCE (µg/m^3)	11/13/08	2850	3/11/09	2930	5/4/09	-743	7/24/09	116
	20	17.5–22.5	CO_2 (µg/m^3)	11/13/08	13,400,000	3/11/09	17,300,000	5/4/09	13,900,000	7/24/09	9,770,000
			Freon-11 (µg/m^3)	11/13/08	1710	3/11/09	617	5/4/09	811	7/24/09	893
			H_2O (µg/m^3)	11/13/08	8,990,000	3/11/09	10,100,000	5/4/09	55.8[a]	7/24/09	12,900,000
			PCE (µg/m^3)	11/13/08	27,300	3/11/09	14,900	5/4/09	19,700	7/24/09	140,000
			Pressure Differential (kPa)	11/13/08	0.07	3/11/09	0	5/4/09	0	7/24/09	0
			TCA (µg/m^3)	11/13/08	247,000	3/11/09	210,000	5/4/09	233,000	7/24/09	139,000
			TCE (µg/m^3)	11/13/08	47,000	3/11/09	36,100	5/4/09	50,900	7/24/09	27,800
	40	37.5–42.5	CO_2 (µg/m^3)	11/13/08	12,200,000	3/11/09	17,800,000	5/4/09	14,700,000	7/24/09	11,800,000
			Freon-11 (µg/m^3)	11/13/08	2980	3/11/09	1640	5/4/09	1760	7/24/09	2750
			H_2O (µg/m^3)	11/13/08	9,510,000	3/11/09	10,100,000	5/4/09	52.2[a]	7/24/09	12,000,000
			PCE (µg/m^3)	11/13/08	40,000	3/11/09	28,300	5/4/09	34,400	7/24/09	30,300
			Pressure Differential (kPa)	11/13/08	0.13	3/11/09	-0.02	5/4/09	0.01	7/24/09	0
			TCA (µg/m^3)	11/13/08	440,000	3/11/09	417,000	5/4/09	408,000	7/24/09	307,000
			TCE (µg/m^3)	11/13/08	75,000	3/11/09	64,800	5/4/09	91,800	7/24/09	59,100
	60	57.5–62.5	CO_2 (µg/m^3)	11/13/08	11,400,000	3/11/09	17,000,000	5/4/09	14,600,000	7/24/09	13,700,000
			Freon-11 (µg/m^3)	11/13/08	3380	3/11/09	2060	5/4/09	2450	7/24/09	3730
			H_2O (µg/m^3)	11/13/08	9,510,000	3/11/09	9,980,000	5/4/09	54.6[a]	7/24/09	11,700,000
			PCE (µg/m^3)	11/13/08	42,300	3/11/09	30,700	5/4/09	38,900	7/24/09	41,800
			Pressure Differential (kPa)	11/13/08	0.19	3/11/09	-0.07	5/4/09	0.03	7/24/09	-0.02
			TCA (µg/m^3)	11/13/08	514,000	3/11/09	510,000	5/4/09	503,000	7/24/09	459,000
			TCE (µg/m^3)	11/13/08	86,800	3/11/09	74,300	5/4/09	107,000	7/24/09	82,500

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022	80	77.5–82.5	CO_2 (µg/m^3)	11/13/08	10,600,000	3/11/09	16,000,000	5/4/09	13,600,000	7/24/09	10,800,000
			Freon-11 (µg/m^3)	11/13/08	3600	3/11/09	2310	5/4/09	2930	7/24/09	2650
			H_2O (µg/m^3)	11/13/08	9,580,000	3/11/09	9,940,000	5/4/09	65.6[a]	7/24/09	11,300,000
			PCE (µg/m^3)	11/13/08	44,400	3/11/09	32,000	5/4/09	39,200	7/24/09	29,300
			Pressure Differential (kPa)	11/13/08	0.25	3/11/09	-0.13	5/4/09	0.05	7/24/09	-0.03
			TCA (µg/m^3)	11/13/08	537,000	3/11/09	563,000	5/4/09	526,000	7/24/09	390,000
			TCE (µg/m^3)	11/13/08	87,300	3/11/09	78,900	5/4/09	108,000	7/24/09	71,100
	100	97.5–102.5	CO_2 (µg/m^3)	11/13/08	3,370,000	3/11/09	4,680,000	5/4/09	3,720,000[b]	7/24/09	71,000,000
			Freon-11 (µg/m^3)	11/13/08	968	3/11/09	563	5/4/09	557[b]	7/24/09	1770
			H_2O (µg/m^3)	11/13/08	7,810,000	3/11/09	7,650,000	5/4/09	47.7[a,b]	7/24/09	10,400,000
			PCE (µg/m^3)	11/13/08	13,200	3/11/09	11,700	5/4/09	9600[b]	7/24/09	17,800
			Pressure Differential (kPa)	11/13/08	0.29	3/11/09	-0.21	5/4/09	0.06[b]	7/24/09	0
			TCA (µg/m^3)	11/13/08	175,000	3/11/09	157,000	5/4/09	135,000[b]	7/24/09	265,000
			TCE (µg/m^3)	11/13/08	33,900	3/11/09	25,900	5/4/09	32,700[b]	7/24/09	51,400
	120	117.5–122.5	CO_2 (µg/m^3)	11/13/08	10,200,000	3/11/09	14,600,000	5/4/09	13,100,000	7/24/09	11,300,000
			Freon-11 (µg/m^3)	11/13/08	4780	3/11/09	2580	5/4/09	4270	7/24/09	3610
			H_2O (µg/m^3)	11/13/08	9,580,000	3/11/09	9,540,000	5/4/09	55.8[a]	7/24/09	10,900,000
			PCE (µg/m^3)	11/13/08	42,700	3/11/09	28,900	5/4/09	36,000	7/24/09	30,500
			Pressure Differential (kPa)	11/13/08	0.31	3/11/09	-0.31	5/4/09	0.09	7/24/09	-0.05
			TCA (µg/m^3)	11/13/08	611,000	3/11/09	618,000	5/4/09	594,000	7/24/09	484,000
			TCE (µg/m^3)	11/13/08	100,000	3/11/09	86,200	5/4/09	119,000	7/24/09	87,000
	140	137.5–142.5	CO_2 (µg/m^3)	11/13/08	9,520,000	3/11/09	12,900,000	5/4/09	12,300,000	7/24/09	10,500,000
			Freon-11 (µg/m^3)	11/13/08	4830	3/11/09	2900	5/4/09	5530	7/24/09	4820

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022	140	137.5–142.5	H_2O (µg/m^3)	11/13/08	9,580,000	3/11/09	9,420,000	5/4/09	56.1[a]	7/24/09	12,200,000
			PCE (µg/m^3)	11/13/08	40,000	3/11/09	25,300	5/4/09	33,500	7/24/09	30,300
			Pressure Differential (kPa)	11/13/08	0.3	3/11/09	-0.33	5/4/09	0.09	7/24/09	-0.03
			TCA (µg/m^3)	11/13/08	548,000	3/11/09	540,000	5/4/09	543,000	7/24/09	444,000
			TCE (µg/m^3)	11/13/08	95,900	3/11/09	78,500	5/4/09	112,000	7/24/09	78,300
	160	157.5–162.5	CO_2 (µg/m^3)	11/13/08	9,310,000	3/11/09	12,500,000	5/4/09	11,800,000	7/24/09	8,820,000
			Freon-11 (µg/m^3)	11/13/08	4980	3/11/09	3170	5/4/09	5590	7/24/09	5020
			H_2O (µg/m^3)	11/13/08	9,650,000	3/11/09	9,380,000	5/4/09	55.1[a]	7/24/09	11,200,000
			PCE (µg/m^3)	11/13/08	37,800	3/11/09	25,000	5/4/09	32,200	7/24/09	21,700
			Pressure Differential (kPa)	11/13/08	0.32	3/11/09	-47	5/4/09	0.13	7/24/09	-0.04
			TCA (µg/m^3)	11/13/08	493,000	3/11/09	489,000	5/4/09	484,000	7/24/09	340,000
			TCE (µg/m^3)	11/13/08	89,500	3/11/09	73,800	5/4/09	103,000	7/24/09	61,700
	180	177.5–182.5	CO_2 (µg/m^3)	11/13/08	8,140,000	3/11/09	11,500,000	5/4/09	9,030,000	7/24/09	4,340,000
			Freon-11 (µg/m^3)	11/13/08	4500	3/11/09	2990	5/4/09	4270	7/24/09	1900
			H_2O (µg/m^3)	11/13/08	9,360,000	3/11/09	9,090,000	5/4/09	53.8[a]	7/24/09	11,300,000
			PCE (µg/m^3)	11/13/08	32,100	3/11/09	22,700	5/4/09	21,900	7/24/09	11,200
			Pressure Differential (kPa)	11/13/08	0.32	3/11/09	-0.44	5/4/09	0.1	7/24/09	-0.03
			TCA (µg/m^3)	11/13/08	354,000	3/11/09	378,000	5/4/09	303,000	7/24/09	129,000
			TCE (µg/m^3)	11/13/08	68,000	3/11/09	60,000	5/4/09	69,800	7/24/09	28,700
	200	197.5–202.5	CO_2 (µg/m^3)	11/13/08	8,390,000	3/11/09	11,100,000	5/4/09	10,400,000	7/24/09	7,560,000
			Freon-11 (µg/m^3)	11/13/08	4830	3/11/09	2790	5/4/09	5420	7/24/09	3980
			H_2O (µg/m^3)	11/13/08	9,730,000	3/11/09	9,070,000	5/4/09	57.7[a]	7/24/09	12,200,000
			PCE (µg/m^3)	11/13/08	31,800	3/11/09	20,000	5/4/09	23,500	7/24/09	19,100

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022	200	197.5–202.5	Pressure Differential (kPa)	11/13/08	0.33	3/11/09	-0.4	5/4/09	0.08	7/24/09	-0.04
			TCA (µg/m^3)	11/13/08	298,000	3/11/09	274,000	5/4/09	292,000	7/24/09	211,000
			TCE (µg/m^3)	11/13/08	58,900	3/11/09	46,100	5/4/09	68,300	7/24/09	40,400
54-02023	Ambient	Ambient	CO_2 (µg/m^3)	11/18/08	590,000	3/24/09	10,700,000	5/19/09	1,130,000	7/30/09	1,060,000
			Freon-11 (µg/m^3)	11/18/08	-103	3/24/09	-84	5/19/09	105	7/30/09	170
			H_2O (µg/m^3)	11/18/08	3,730,000	3/24/09	3,420,000	5/19/09	45.6[a]	7/30/09	13,300,000
			PCE (µg/m^3)	11/18/08	403	3/24/09	1990	5/19/09	-775	7/30/09	903
			Pressure Differential (kPa)	11/18/08	0	3/24/09	0	5/19/09	0	7/30/09	0
			TCA (µg/m^3)	11/18/08	-3090	3/24/09	-398	5/19/09	-3900	7/30/09	-1600
			TCE (µg/m^3)	11/18/08	1290	3/24/09	2380	5/19/09	-744	7/30/09	-1100
	20	10–30	CO_2 (µg/m^3)	11/18/08	18,000,000	3/24/09	20,300,000	5/19/09	20,000,000	7/30/09	24,400,000
			Freon-11 (µg/m^3)	11/18/08	2030	3/24/09	827	5/19/09	4580	7/30/09	2830
			H_2O (µg/m^3)	11/18/08	10,700,000	3/24/09	10,500,000	5/19/09	64[a]	7/30/09	14,700,000
			PCE (µg/m^3)	11/18/08	17,100	3/24/09	5410	5/19/09	12,500	7/30/09	18,000
			Pressure Differential (kPa)	11/18/08	0.05	3/24/09	0	5/19/09	0.02	7/30/09	0.03
			TCA (µg/m^3)	11/18/08	25,900	3/24/09	-34,000	5/19/09	38,200	7/30/09	77,900
			TCE (µg/m^3)	11/18/08	15,200	3/24/09	-263	5/19/09	851	7/30/09	10,100
	40	30–50	CO_2 (µg/m^3)	11/18/08	17,300,000	3/24/09	22,800,000	5/19/09	18,000,000	7/30/09	18,900,000
			Freon-11 (µg/m^3)	11/18/08	3320	3/24/09	1700	5/19/09	2860	7/30/09	4330
			H_2O (µg/m^3)	11/18/08	11,500,000	3/24/09	12,200,000	5/19/09	62.4[a]	7/30/09	14,200,000
			PCE (µg/m^3)	11/18/08	23,500	3/24/09	7470	5/19/09	11,600	7/30/09	19,900
			Pressure Differential (kPa)	11/18/08	0.04	3/24/09	-0.06	5/19/09	0.02	7/30/09	0.02

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023	40	30–50	TCA (µg/m^3)	11/18/08	39,900	3/24/09	-11,000	5/19/09	47,400	7/30/09	68,700
			TCE (µg/m^3)	11/18/08	17,700	3/24/09	5450	5/19/09	12,900	7/30/09	9960
	60	50–70	CO_2 (µg/m^3)	11/18/08	8,730,000	3/24/09	13,800,000	5/19/09	7,830,000	7/30/09	10,100,000
			Freon-11 (µg/m^3)	11/18/08	8470	3/24/09	7310	5/19/09	8240	7/30/09	9680
			H_2O (µg/m^3)	11/18/08	11,600,000	3/24/09	12,700,000	5/19/09	60.7[a]	7/30/09	14,400,000
			PCE (µg/m^3)	11/18/08	51,600	3/24/09	44,500	5/19/09	32,100	7/30/09	45,900
			Pressure Differential (kPa)	11/18/08	-0.46	3/24/09	-0.02	5/19/09	-0.03	7/30/09	0
			TCA (µg/m^3)	11/18/08	70,200	3/24/09	58,300	5/19/09	53,500	7/30/09	91,300
			TCE (µg/m^3)	11/18/08	25,100	3/24/09	15,900	5/19/09	20,300	7/30/09	24,800
	80	70–90	CO_2 (µg/m^3)	11/18/08	8,710,000	3/24/09	14,200,000	5/19/09	13,100,000	7/30/09	11,900,000
			Freon-11 (µg/m^3)	11/18/08	3470	3/24/09	2330	5/19/09	3810	7/30/09	3180
			H_2O (µg/m^3)	11/18/08	10,800,000	3/24/09	11,600,000	5/19/09	60.4[a]	7/30/09	13,500,000
			PCE (µg/m^3)	11/18/08	22,000	3/24/09	15,000	5/19/09	17,500	7/30/09	19,400
			Pressure Differential (kPa)	11/18/08	-0.04	3/24/09	-0.13	5/19/09	0	7/30/09	0
			TCA (µg/m^3)	11/18/08	33,700	3/24/09	13,200	5/19/09	56,000	7/30/09	66,600
			TCE (µg/m^3)	11/18/08	15,200	3/24/09	9660	5/19/09	17,800	7/30/09	17,900
	100	90–110	CO_2 (µg/m^3)	11/18/08	11,200,000	3/24/09	18,000,000	5/19/09	15,000,000	7/30/09	10,700,000
			Freon-11 (µg/m^3)	11/18/08	5900	3/24/09	4100	5/19/09	7530	7/30/09	6150
			H_2O (µg/m^3)	11/18/08	12,200,000	3/24/09	13,300,000	5/19/09	63.5[a]	7/30/09	23,500,000
			PCE (µg/m^3)	11/18/08	38,600	3/24/09	25,100	5/19/09	23,800	7/30/09	29,900
			Pressure Differential (kPa)	11/18/08	-0.15	3/24/09	-0.19	5/19/09	0	7/30/09	0
			TCA (µg/m^3)	11/18/08	63,300	3/24/09	36,800	5/19/09	84,000	7/30/09	42,700
			TCE (µg/m^3)	11/18/08	22,000	3/24/09	13,000	5/19/09	23,100	7/30/09	12,600

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023	120	110–130	CO_2 (µg/m^3)	11/18/08	10,800,000	3/24/09	16,600,000	5/19/09	13,900,000	7/30/09	2,020,000[b]
			Freon-11 (µg/m^3)	11/18/08	6870	3/24/09	4820	5/19/09	7840	7/30/09	-807[b]
			H_2O (µg/m^3)	11/18/08	12,200,000	3/24/09	13,200,000	5/19/09	63[a]	7/30/09	18,300,000[b]
			PCE (µg/m^3)	11/18/08	43,100	3/24/09	28,700	5/19/09	29,200	7/30/09	-3100[b]
			Pressure Differential (kPa)	11/18/08	-0.18	3/24/09	-0.19	5/19/09	-0.07	7/30/09	0[b]
			TCA (µg/m^3)	11/18/08	75,000	3/24/09	46,400	5/19/09	90,900	7/30/09	3140[b]
			TCE (µg/m^3)	11/18/08	24,200	3/24/09	15,900	5/19/09	26,600	7/30/09	4680[b]
	140	130–149	CO_2 (µg/m^3)	11/18/08	1,580,000	3/24/09	3,150,000[b]	NS	NS	7/30/09	1,620,000[b]
			Freon-11 (µg/m^3)	11/18/08	555	3/24/09	585[b]	NS	NS	7/30/09	54.5[b]
			H_2O (µg/m^3)	11/18/08	7,810,000	3/24/09	8,260,000[b]	NS	NS	7/30/09	1,500,000[b]
			PCE (µg/m^3)	11/18/08	5580	3/24/09	7140[b]	NS	NS	7/30/09	294[b]
			Pressure Differential (kPa)	11/18/08	0	3/24/09	0[b]	5/19/09	-0.1[d]	7/30/09	0[b]
			TCA (µg/m^3)	11/18/08	5260	3/24/09	4100[b]	NS	NS	7/30/09	2230[b]
			TCE (µg/m^3)	11/18/08	4720	3/24/09	7230[b]	NS	NS	7/30/09	4690[b]
	159	149–169	CO_2 (µg/m^3)	11/18/08	4,300,000	3/24/09	11,500,000	5/19/09	11,400,000	7/30/09	10,500,000
			Freon-11 (µg/m^3)	11/18/08	3720	3/24/09	6370	5/19/09	8270	7/30/09	8290
			H_2O (µg/m^3)	11/18/08	9,430,000	3/24/09	12,600,000	5/19/09	59.1[a]	7/30/09	14,100,000
			PCE (µg/m^3)	11/18/08	24,400	3/24/09	40,900	5/19/09	43,300	7/30/09	43,500
			Pressure Differential (kPa)	11/18/08	0.7	3/24/09	0	5/19/09	-0.06	7/30/09	0
			TCA (µg/m^3)	11/18/08	33,800	3/24/09	62,100	5/19/09	92,100	7/30/09	76,100
			TCE (µg/m^3)	11/18/08	13,800	3/24/09	16,300	5/19/09	35,200	7/30/09	22,700
	180	170–190	CO_2 (µg/m^3)	11/18/08	2,990,000	NS	NS	NS	NS	7/30/09	1,960,000[b]
			Freon-11 (µg/m^3)	11/18/08	481	NS	NS	NS	NS	7/30/09	505[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023	180	170–190	H_2O (µg/m^3)	11/18/08	8180,000	NS	NS	NS	NS	7/30/09	16,800,000[b]
			PCE (µg/m^3)	11/18/08	5280	NS	NS	NS	NS	7/30/09	636[b]
			Pressure Differential (kPa)	11/18/08	0.04	3/24/09	0[d]	5/19/09	0[d]	7/30/09	0[b]
			TCA (µg/m^3)	11/18/08	8190	NS	NS	NS	NS	7/30/09	5370[b]
			TCE (µg/m^3)	11/18/08	7180	NS	NS	NS	NS	7/30/09	3190[b]
	200	190–210	CO_2 (µg/m^3)	11/18/08	6,170,000	3/24/09	11,700,000	5/19/09	10,300,000	7/30/09	10,500,000
			Freon-11 (µg/m^3)	11/18/08	6810	3/24/09	7690	5/19/09	12,400	7/30/09	13,200
			H_2O (µg/m^3)	11/18/08	12,500,000	3/24/09	13,900,000	5/19/09	59.7[a]	7/30/09	13,200,000
			PCE (µg/m^3)	11/18/08	40,500	3/24/09	49,300	5/19/09	43,500	7/30/09	55,900
			Pressure Differential (kPa)	11/18/08	-0.62	3/24/09	0.04	5/19/09	-0.13	7/30/09	0
			TCA (µg/m^3)	11/18/08	59,000	3/24/09	67,200	5/19/09	97,400	7/30/09	88,100
			TCE (µg/m^3)	11/18/08	18,200	3/24/09	16,500	5/19/09	33,400	7/30/09	21,800
54-02024	Ambient	Ambient	CO_2 (µg/m^3)	11/18/08	495,000	3/21/09	1,270,000	5/21/09	792,000	7/29/09	750,000
			Freon-11 (µg/m^3)	11/18/08	435	3/21/09	95.5	5/21/09	881	7/29/09	-479
			H_2O (µg/m^3)	11/18/08	3,170,000	3/21/09	7,650,000	5/21/09	51.9[a]	7/29/09	12,600,000
			PCE (µg/m^3)	11/18/08	7370	3/21/09	3420	5/21/09	9340	7/29/09	449
			Pressure Differential (kPa)	11/18/08	0	3/21/09	0	5/21/09	0	7/29/09	0
			TCA (µg/m^3)	11/18/08	-4380	3/21/09	-2000	5/21/09	1340	7/29/09	2130
			TCE (µg/m^3)	11/18/08	3960	3/21/09	2340	5/21/09	-1000	7/29/09	2170
	20	10–30	CO_2 (µg/m^3)	11/18/08	8,640,000	3/21/09	10,600,000	5/21/09	11,600,000	7/29/09	10,700,000
			Freon-11 (µg/m^3)	11/18/08	3680	3/21/09	2600	5/21/09	3570	7/29/09	3330
			H_2O (µg/m^3)	11/18/08	10,500,000	3/21/09	11,100,000	5/21/09	59.4[a]	7/29/09	12,400,000
			PCE (µg/m^3)	11/18/08	29,100	3/21/09	16,800	5/21/09	18,500	7/29/09	18,400

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024	20	10–30	Pressure Differential (kPa)	11/18/08	0.03	3/21/09	0	5/21/09	-0.05	7/29/09	0
			TCA (µg/m^3)	11/18/08	56,400	3/21/09	30,400	5/21/09	45,000	7/29/09	44,900
			TCE (µg/m^3)	11/18/08	12,900	3/21/09	8950	5/21/09	17,900	7/29/09	13,300
	40	30–50	CO_2 (µg/m^3)	11/18/08	8,820,000	3/21/09	11,100,000	5/21/09	8,040,000	7/29/09	10,100,000
			Freon-11 (µg/m^3)	11/18/08	7100	3/21/09	3180	5/21/09	3660	7/29/09	3440
			H_2O (µg/m^3)	11/18/08	11,300,000	3/21/09	11,500,000	5/21/09	58.4[a]	7/29/09	13,400,000
			PCE (µg/m^3)	11/18/08	50,200	3/21/09	20,800	5/21/09	17,300	7/29/09	17,800
			Pressure Differential (kPa)	11/18/08	0.03	3/21/09	-0.02	5/21/09	0	7/29/09	0
			TCA (µg/m^3)	11/18/08	61,700	3/21/09	47,500	5/21/09	41,200	7/29/09	60,400
			TCE (µg/m^3)	11/18/08	986	3/21/09	12,700	5/21/09	15,300	7/29/09	17,700
	60	50–70	CO_2 (µg/m^3)	11/18/08	8,770,000	3/21/09	11,900,000	5/21/09	10,600,000	7/29/09	11,200,000
			Freon-11 (µg/m^3)	11/18/08	5600	3/21/09	4270	5/21/09	8330	7/29/09	7140
			H_2O (µg/m^3)	11/18/08	11,300,000	3/21/09	10,600,000	5/21/09	57.6[a]	7/29/09	12,100,000
			PCE (µg/m^3)	11/18/08	44,100	3/21/09	26,400	5/21/09	31,200	7/29/09	35,100
			Pressure Differential (kPa)	11/18/08	0.06	3/21/09	-0.04	5/21/09	-0.07	7/29/09	0
			TCA (µg/m^3)	11/18/08	68,600	3/21/09	65,000	5/21/09	82,500	7/29/09	94,300
			TCE (µg/m^3)	11/18/08	12,300	3/21/09	14,900	5/21/09	23,600	7/29/09	21,100
	80	70–90	CO_2 (µg/m^3)	11/18/08	8,570,000	3/21/09	12,300,000	5/21/09	10,900,000	7/29/09	10,900,000
			Freon-11 (µg/m^3)	11/18/08	7670	3/21/09	5850	5/21/09	11,000	7/29/09	8910
			H_2O (µg/m^3)	11/18/08	11,400,000	3/21/09	11,400,000	5/21/09	60.7[a]	7/29/09	13,000,000
			PCE (µg/m^3)	11/18/08	50,900	3/21/09	36,600	5/21/09	40,900	7/29/09	46,700
			Pressure Differential (kPa)	11/18/08	0.15	3/21/09	-0.05	5/21/09	-0.1	7/29/09	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024	80	70–90	TCA (µg/m^3)	11/18/08	110,000	3/21/09	94,600	5/21/09	107,000	7/29/09	121,000
			TCE (µg/m^3)	11/18/08	25,400	3/21/09	19,500	5/21/09	28,800	7/29/09	27,700
	100	90–110	CO_2 (µg/m^3)	11/18/08	8,460,000	3/21/09	12,400,000	5/21/09	10,200,000	7/29/09	10,100,000
			Freon-11 (µg/m^3)	11/18/08	9450	3/21/09	7130	5/21/09	11,700	7/29/09	10,600
			H_2O (µg/m^3)	11/18/08	11,300,000	3/21/09	11,600,000	5/21/09	60.6[a]	7/29/09	12,500,000
			PCE (µg/m^3)	11/18/08	62,200	3/21/09	43,700	5/21/09	45,400	7/29/09	45,200
			Pressure Differential (kPa)	11/18/08	0.22	3/21/09	-0.06	5/21/09	-0.1	7/29/09	0
			TCA (µg/m^3)	11/18/08	115,000	3/21/09	115,000	5/21/09	115,000	7/29/09	127,000
			TCE (µg/m^3)	11/18/08	26,600	3/21/09	21,800	5/21/09	31,200	7/29/09	27,100
	120	110–130	CO_2 (µg/m^3)	11/18/08	2,030,000	NS	NS	NS	NS	NS	NS
			Freon-11 (µg/m^3)	11/18/08	1150	NS	NS	NS	NS	NS	NS
			H_2O (µg/m^3)	11/18/08	8,400,000	NS	NS	NS	NS	NS	NS
			PCE (µg/m^3)	11/18/08	13,800	NS	NS	NS	NS	NS	NS
			Pressure Differential (kPa)	11/18/08	0.25	3/21/09	0[d]	5/21/09	-0.11[d]	7/29/09	0.02[d]
			TCA (µg/m^3)	11/18/08	33,100	NS	NS	NS	NS	NS	NS
			TCE (µg/m^3)	11/18/08	9910	NS	NS	NS	NS	NS	NS
	140	130–150	CO_2 (µg/m^3)	11/18/08	6,790,000	3/21/09	9,860,000	5/21/09	7,790,000	7/29/09	8,800,000
			Freon-11 (µg/m^3)	11/18/08	8650	3/21/09	7790	5/21/09	12,000	7/29/09	11,500
			H_2O (µg/m^3)	11/18/08	9,950,000	3/21/09	10,000,000	5/21/09	55.9[a]	7/29/09	11,200,000
			PCE (µg/m^3)	11/18/08	56,900	3/21/09	47,100	5/21/09	44,900	7/29/09	54,600
			Pressure Differential (kPa)	11/18/08	0.24	3/21/09	-0.08	5/21/09	-0.09	7/29/09	0.02
			TCA (µg/m^3)	11/18/08	121,000	3/21/09	119,000	5/21/09	102,000	7/29/09	131,000
			TCE (µg/m^3)	11/18/08	35,100	3/21/09	21,300	5/21/09	27,500	7/29/09	28,600

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024	160	150–170	CO_2 (µg/m^3)	11/18/08	7,780,000	3/21/09	11,300,000	5/21/09	9,720,000	7/29/09	9,710,000
			Freon-11 (µg/m^3)	11/18/08	9510	3/21/09	10,100	5/21/09	17,200	7/29/09	14,500
			H_2O (µg/m^3)	11/18/08	11,400,000	3/21/09	11,100,000	5/21/09	60.2[a]	7/29/09	11,900,000
			PCE (µg/m^3)	11/18/08	7720	3/21/09	60,800	5/21/09	64,300	7/29/09	66,300
			Pressure Differential (kPa)	11/18/08	0.23	3/21/09	-0.07	5/21/09	-0.08	7/29/09	0.06
			TCA (µg/m^3)	11/18/08	163,000	3/21/09	157,000	5/21/09	143,000	7/29/09	160,000
			TCE (µg/m^3)	11/18/08	47,400	3/21/09	28,200	5/21/09	39,700	7/29/09	36,300
	180	170–190	CO_2 (µg/m^3)	11/18/08	7,290,000	3/21/09	10,500,000	5/21/09	8,900,000	7/29/09	7,460,000
			Freon-11 (µg/m^3)	11/18/08	15,800	3/21/09	10,700	5/21/09	17,700	7/29/09	12,700
			H_2O (µg/m^3)	11/18/08	10,700,000	3/21/09	10,600,000	5/21/09	57[a]	7/29/09	11,700,000
			PCE (µg/m^3)	11/18/08	84,800	3/21/09	65,900	5/21/09	65,100	7/29/09	55,400
			Pressure Differential (kPa)	11/18/08	0.22	3/21/09	-0.04	5/21/09	-0.03	7/29/09	0.11
			TCA (µg/m^3)	11/18/08	164,000	3/21/09	155,000	5/21/09	138,000	7/29/09	126,000
			TCE (µg/m^3)	11/18/08	38,700	3/21/09	28,000	5/21/09	39,900	7/29/09	28,500
	200	190–210	CO_2 (µg/m^3)	11/18/08	4,930,000	3/21/09	8,370,000	5/21/09	5,130,000	7/29/09	8,120,000
			Freon-11 (µg/m^3)	11/18/08	7840	3/21/09	8870	5/21/09	8650	7/29/09	14,900
			H_2O (µg/m^3)	11/18/08	9,880,000	3/21/09	10,400,000	5/21/09	58.3[a]	7/29/09	11,200,000
			PCE (µg/m^3)	11/18/08	54,000	3/21/09	56,200	5/21/09	37,100	7/29/09	64,200
			Pressure Differential (kPa)	11/18/08	0.18	3/21/09	-0.02	5/21/09	0.06	7/29/09	0.14
			TCA (µg/m^3)	11/18/08	111,000	3/21/09	124,000	5/21/09	75,200	7/29/09	139,000
			TCE (µg/m^3)	11/18/08	32,100	3/21/09	23,700	5/21/09	23,900	7/29/09	31,900
54-02025	Ambient	Ambient	CO_2 (µg/m^3)	11/20/08	761,000	3/20/09	896,000	5/18/09	773,000	7/27/09	1,050,000
			Freon-11 (µg/m^3)	11/20/08	-229	3/20/09	237	5/18/09	-181	7/27/09	1410

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02025	Ambient	Ambient	H_2O (µg/m^3)	11/20/08	5,190,000	3/20/09	5,600,000	5/18/09	42.4[a]	7/27/09	8,050,000
			PCE (µg/m^3)	11/20/08	3920	3/20/09	4840	5/18/09	-330	7/27/09	882
			Pressure Differential (kPa)	11/20/08	0	3/20/09	0	5/18/09	0	7/27/09	0
			TCA (µg/m^3)	11/20/08	-7980	3/20/09	1350	5/18/09	-3000	7/27/09	4750
			TCE (µg/m^3)	11/20/08	4080	3/20/09	5090	5/18/09	-727	7/27/09	-2400
	20	20	CO_2 (µg/m^3)	11/20/08	8,860,000	3/20/09	12,000,000	5/18/09	12,000,000	7/27/09	13,500,000
			Freon-11 (µg/m^3)	11/20/08	10,500	3/20/09	9730	5/18/09	15,600	7/27/09	13,100
			H_2O (µg/m^3)	11/20/08	8,330,000	3/20/09	12,000,000	5/18/09	60.4[a]	7/27/09	12,800,000
			PCE (µg/m^3)	11/20/08	75,100	3/20/09	76,700	5/18/09	83,300	7/27/09	91,000
			Pressure Differential (kPa)	11/20/08	0	3/20/09	0	5/18/09	0.04	7/27/09	0.05
			TCA (µg/m^3)	11/20/08	206,000	3/20/09	214,000	5/18/09	233,000	7/27/09	254,000
			TCE (µg/m^3)	11/20/08	35,700	3/20/09	26,100	5/18/09	50,200	7/27/09	45,300
	60	60	CO_2 (µg/m^3)	11/20/08	2,650,000	3/20/09	2,570,000	5/18/09	4,910,000[b]	7/27/09	9,080,000
			Freon-11 (µg/m^3)	11/20/08	1130	3/20/09	76	5/18/09	919[b]	7/27/09	4160
			H_2O (µg/m^3)	11/20/08	7,590,000	3/20/09	7,720,000	5/18/09	57.2[a,b]	7/27/09	23,800,000
			PCE (µg/m^3)	11/20/08	8340	3/20/09	4600	5/18/09	5230[b]	7/27/09	21,500
			Pressure Differential (kPa)	11/20/08	0.01	3/20/09	0	5/18/09	0[b]	7/27/09	0
			TCA (µg/m^3)	11/20/08	18,400	3/20/09	4040	5/18/09	13,500[b]	7/27/09	63,100
			TCE (µg/m^3)	11/20/08	8950	3/20/09	3880	5/18/09	2410[b]	7/27/09	4310
	100	100	CO_2 (µg/m^3)	11/20/08	9,850,000	3/20/09	14,500,000	5/18/09	12,900,000	7/27/09	13,300,000
			Freon-11 (µg/m^3)	11/20/08	23,400	3/20/09	18,200	5/18/09	31,200	7/27/09	26,700
			H_2O (µg/m^3)	11/20/08	9,430,000	3/20/09	12,700,000	5/18/09	61[a]	7/27/09	12,400,000
			PCE (µg/m^3)	11/20/08	154,000	3/20/09	121,000	5/18/09	126,000	7/27/09	132,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02025	100	100	Pressure Differential (kPa)	11/20/08	-0.13	3/20/09	0	5/18/09	0.02	7/27/09	0.08
			TCA (µg/m^3)	11/20/08	409,000	3/20/09	416,000	5/18/09	434,000	7/27/09	445,000
			TCE (µg/m^3)	11/20/08	82,500	3/20/09	65,200	5/18/09	102,000	7/27/09	89,700
	160	160	CO_2 (µg/m^3)	11/20/08	8,950,000	3/20/09	13,600,000	5/18/09	11,800,000	7/27/09	12,300,000
			Freon-11 (µg/m^3)	11/20/08	29,500	3/20/09	24,300	5/18/09	38,900	7/27/09	33,800
			H_2O (µg/m^3)	11/20/08	10,000,000	3/20/09	12,100,000	5/18/09	60.5[a]	7/27/09	13,000,000
			PCE (µg/m^3)	11/20/08	178,000	3/20/09	152,000	5/18/09	150,000	7/27/09	154,000
			Pressure Differential (kPa)	11/20/08	-0.09	3/20/09	-0.02	5/18/09	-0.12	7/27/09	0.04
			TCA (µg/m^3)	11/20/08	418,000	3/20/09	455,000	5/18/09	450,000	7/27/09	464,000
			TCE (µg/m^3)	11/20/08	82,000	3/20/09	71,200	5/18/09	106,000	7/27/09	95,500
	190	190	CO_2 (µg/m^3)	11/20/08	7,630,000	3/20/09	10,600,000	5/18/09	10,900,000	7/27/09	11,800,000
			Freon-11 (µg/m^3)	11/20/08	30,300	3/20/09	23,600	5/18/09	46,000	7/27/09	42,000
			H_2O (µg/m^3)	11/20/08	9,140,000	3/20/09	10,100,000	5/18/09	60.1[a]	7/27/09	11,100,000
			PCE (µg/m^3)	11/20/08	181,000	3/20/09	145,000	5/18/09	165,000	7/27/09	187,000
			Pressure Differential (kPa)	11/20/08	-0.07	3/20/09	-0.03	5/18/09	-0.18	7/27/09	0.05
			TCA (µg/m^3)	11/20/08	360,000	3/20/09	367,000	5/18/09	424,000	7/27/09	470,000
			TCE (µg/m^3)	11/20/08	73,900	3/20/09	62,100	5/18/09	108,000	7/27/09	101,000
54-02026	Ambient	Ambient	CO_2 (µg/m^3)	11/20/08	648,000	3/20/09	1,080,000	5/21/09	809,000	7/29/09	9,640,000
			Freon-11 (µg/m^3)	11/20/08	-246	3/20/09	398	5/21/09	58	7/29/09	-560
			H_2O (µg/m^3)	11/20/08	5,420,000	3/20/09	6,300,000	5/21/09	48.3[a]	7/29/09	12,400,000
			PCE (µg/m^3)	11/20/08	-2090	3/20/09	1020	5/21/09	131	7/29/09	-1300
			Pressure Differential (kPa)	11/20/08	0	3/20/09	0	5/21/09	0	7/29/09	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02026	Ambient	Ambient	TCA (µg/m^3)	11/20/08	-3380	3/20/09	-2400	5/21/09	-2800	7/29/09	-56
			TCE (µg/m^3)	11/20/08	1590	3/20/09	2310	5/21/09	-1800	7/29/09	3190
	20	20	CO_2 (µg/m^3)	11/20/08	9,070,000	3/20/09	10,700,000	5/21/09	11,100,000	7/29/09	13,700,000
			Freon-11 (µg/m^3)	11/20/08	418	3/20/09	-339	5/21/09	-415	7/29/09	45.9
			H_2O (µg/m^3)	11/20/08	10,100,000	3/20/09	14,600,000	5/21/09	63.6[a]	7/29/09	13,300,000
			PCE (µg/m^3)	11/20/08	3710	3/20/09	-1500	5/21/09	-996	7/29/09	1840
			Pressure Differential (kPa)	11/20/08	0	3/20/09	0.02	5/21/09	0	7/29/09	0
			TCA (µg/m^3)	11/20/08	-19,100	3/20/09	-20,000	5/21/09	-1100	7/29/09	15,700
			TCE (µg/m^3)	11/20/08	4430	3/20/09	-837	5/21/09	3220	7/29/09	4360
	60	60	CO_2 (µg/m^3)	11/20/08	8,960,000	3/20/09	12,300,000	5/21/09	10,700,000	7/29/09	11,500,000
			Freon-11 (µg/m^3)	11/20/08	647	3/20/09	89	5/21/09	478	7/29/09	700
			H_2O (µg/m^3)	11/20/08	9,580,000	3/20/09	12,000,000	5/21/09	60.9[a]	7/29/09	13,200,000
			PCE (µg/m^3)	11/20/08	7650	3/20/09	-14	5/21/09	3840	7/29/09	5340
			Pressure Differential (kPa)	11/20/08	0	3/20/09	0.03	5/21/09	0.02	7/29/09	0.06
			TCA (µg/m^3)	11/20/08	-16,000	3/20/09	-14,000	5/21/09	4450	7/29/09	19,600
			TCE (µg/m^3)	11/20/08	5470	3/20/09	-135	5/21/09	2970	7/29/09	3480
	100	100	CO_2 (µg/m^3)	11/20/08	7,870,000	3/20/09	11,500,000	5/21/09	10,200,000	7/29/09	10,600,000
			Freon-11 (µg/m^3)	11/20/08	870	3/20/09	391	5/21/09	1400	7/29/09	1030
			H_2O (µg/m^3)	11/20/08	9,430,000	3/20/09	11,600,000	5/21/09	60.7[a]	7/29/09	13,300,000
			PCE (µg/m^3)	11/20/08	8900	3/20/09	3620	5/21/09	4670	7/29/09	6820
			Pressure Differential (kPa)	11/20/08	0	3/20/09	0	5/21/09	0	7/29/09	0.14
			TCA (µg/m^3)	11/20/08	-10,600	3/20/09	-5200	5/21/09	12,400	7/29/09	20,200
			TCE (µg/m^3)	11/20/08	6320	3/20/09	-67	5/21/09	306	7/29/09	5270

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02026	160	160	CO_2 (µg/m^3)	11/20/08	6,520,000	3/20/09	9,320,000	5/21/09	8,420,000	7/29/09	8,810,000
			Freon-11 (µg/m^3)	11/20/08	1800	3/20/09	1110	5/21/09	2420	7/29/09	2410
			H_2O (µg/m^3)	11/20/08	8,770,000	3/20/09	11,300,000	5/21/09	60.6[a]	7/29/09	13,300,000
			PCE (µg/m^3)	11/20/08	12,400	3/20/09	6900	5/21/09	8410	7/29/09	10,500
			Pressure Differential (kPa)	11/20/08	-0.02	3/20/09	0.03	5/21/09	0.05	7/29/09	0
			TCA (µg/m^3)	11/20/08	-5110	3/20/09	6190	5/21/09	11,400	7/29/09	20,300
			TCE (µg/m^3)	11/20/08	5680	3/20/09	535	5/21/09	3540	7/29/09	5310
	200	200	CO_2 (µg/m^3)	11/20/08	6,050,000	3/20/09	8,930,000	5/21/09	8,140,000	7/29/09	8,430,000
			Freon-11 (µg/m^3)	11/20/08	1410	3/20/09	937	5/21/09	2290	7/29/09	2140
			H_2O (µg/m^3)	11/20/08	8,400,000	3/20/09	11,600,000	5/21/09	60.9[a]	7/29/09	13,200,000
			PCE (µg/m^3)	11/20/08	11,500	3/20/09	7340	5/21/09	8090	7/29/09	12,100
			Pressure Differential (kPa)	11/20/08	-0.02	3/20/09	0.02	5/21/09	0.06	7/29/09	0.25
			TCA (µg/m^3)	11/20/08	-4000	3/20/09	5790	5/21/09	12,900	7/29/09	23,500
			TCE (µg/m^3)	11/20/08	6220	3/20/09	1700	5/21/09	4510	7/29/09	3630
	215	215	CO_2 (µg/m^3)	11/20/08	4,910,000	3/20/09	7,850,000	5/21/09	7,010,000	7/29/09	7,370,000
			Freon-11 (µg/m^3)	11/20/08	1070	3/20/09	874	5/21/09	1560	7/29/09	1840
			H_2O (µg/m^3)	11/20/08	7,890,000	3/20/09	11,900,000	5/21/09	61.4[a]	7/29/09	13,500,000
			PCE (µg/m^3)	11/20/08	11,100	3/20/09	7820	5/21/09	7510	7/29/09	9160
			Pressure Differential (kPa)	11/20/08	0	3/20/09	0	5/21/09	0.07	7/29/09	0.31
			TCA (µg/m^3)	11/20/08	-6910	3/20/09	6610	5/21/09	10,200	7/29/09	19,200
			TCE (µg/m^3)	11/20/08	5840	3/20/09	1560	5/21/09	4030	7/29/09	5330
54-02027	Ambient	Ambient	CO_2 (µg/m^3)	11/20/08	607,000	3/20/09	879,000	5/20/09	764,000	7/28/09	801,000
			Freon-11 (µg/m^3)	11/20/08	1950	3/20/09	95	5/20/09	108	7/28/09	375

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027	Ambient	Ambient	H_2O (µg/m^3)	11/20/08	5,510,000	3/20/09	4,860,000	5/20/09	44.2[a]	7/28/09	13,700,000
			PCE (µg/m^3)	11/20/08	-1000	3/20/09	2680	5/20/09	444	7/28/09	2870
			Pressure Differential (kPa)	11/20/08	0	3/20/09	0	5/20/09	0	7/28/09	0
			TCA (µg/m^3)	11/20/08	-2030	3/20/09	432	5/20/09	-3100	7/28/09	4710
			TCE (µg/m^3)	11/20/08	6540	3/20/09	121,000	5/20/09	-24,000	7/28/09	3910
	20	20	CO_2 (µg/m^3)	11/20/08	8,060,000	3/20/09	10,400,000	5/20/09	10,300,000	7/28/09	10,900,000
			Freon-11 (µg/m^3)	11/20/08	1150	3/20/09	713	5/20/09	2180	7/28/09	2260
			H_2O (µg/m^3)	11/20/08	10,700,000	3/20/09	10,600,000	5/20/09	58.6[a]	7/28/09	12,800,000
			PCE (µg/m^3)	11/20/08	8830	3/20/09	4170	5/20/09	9450	7/28/09	10,600
			Pressure Differential (kPa)	11/20/08	0	3/20/09	0.08	5/20/09	0.07	7/28/09	0
			TCA (µg/m^3)	11/20/08	4830	3/20/09	16,300	5/20/09	14,800	7/28/09	13,300
			TCE (µg/m^3)	11/20/08	10,100	3/20/09	3300	5/20/09	3670	7/28/09	6890
	60	60	CO_2 (µg/m^3)	11/20/08	7,960,000	3/20/09	11,200,000	5/20/09	9,950,000	7/28/09	9,440,000
			Freon-11 (µg/m^3)	11/20/08	3350	3/20/09	2810	5/20/09	5270	7/28/09	4240
			H_2O (µg/m^3)	11/20/08	10,600,000	3/20/09	10,900,000	5/20/09	59.2[a]	7/28/09	12,900,000
			PCE (µg/m^3)	11/20/08	28,200	3/20/09	18,600	5/20/09	22,600	7/28/09	25,700
			Pressure Differential (kPa)	11/20/08	-0.01	3/20/09	0.11	5/20/09	0.12	7/28/09	0
			TCA (µg/m^3)	11/20/08	37,300	3/20/09	48,900	5/20/09	50,400	7/28/09	38,900
			TCE (µg/m^3)	11/20/08	17,000	3/20/09	7940	5/20/09	12,800	7/28/09	12,000
	100	100	CO_2 (µg/m^3)	11/20/08	7,330,000	3/20/09	11,000,000	5/20/09	9,680,000	7/28/09	8,800,000
			Freon-11 (µg/m^3)	11/20/08	5390	3/20/09	4140	5/20/09	7820	7/28/09	6730
			H_2O (µg/m^3)	11/20/08	10,700,000	3/20/09	10,700,000	5/20/09	59.5[a]	7/28/09	13,100,000
			PCE (µg/m^3)	11/20/08	37,200	3/20/09	27,300	5/20/09	29,900	7/28/09	28,500

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027	100	100	Pressure Differential (kPa)	11/20/08	-0.1	3/20/09	0.13	5/20/09	0.19	7/28/09	0.02
			TCA (µg/m^3)	11/20/08	58,000	3/20/09	67,000	5/20/09	68,900	7/28/09	58,000
			TCE (µg/m^3)	11/20/08	15,400	3/20/09	11,300	5/20/09	18,300	7/28/09	16,500
	160	160	CO_2 (µg/m^3)	11/20/08	6,730,000	3/20/09	9,620,000	5/20/09	8,850,000	7/28/09	7,930,000
			Freon-11 (µg/m^3)	11/20/08	8300	3/20/09	5980	5/20/09	11,300	7/28/09	8760
			H_2O (µg/m^3)	11/20/08	10,700,000	3/20/09	10,700,000	5/20/09	59.7[a]	7/28/09	12,900,000
			PCE (µg/m^3)	11/20/08	51,100	3/20/09	39,700	5/20/09	43,000	7/28/09	40,600
			Pressure Differential (kPa)	11/20/08	-0.08	3/20/09	0.11	5/20/09	0.25	7/28/09	0.09
			TCA (µg/m^3)	11/20/08	79,200	3/20/09	82,800	5/20/09	87,100	7/28/09	73,600
			TCE (µg/m^3)	11/20/08	19,900	3/20/09	12,800	5/20/09	21,100	7/28/09	15,200
	200	200	CO_2 (µg/m^3)	11/20/08	3,400,000	3/20/09	8,570,000	5/20/09	7,790,000	7/28/09	6,800,000
			Freon-11 (µg/m^3)	11/20/08	3620	3/20/09	5650	5/20/09	10,600	7/28/09	7730
			H_2O (µg/m^3)	11/20/08	9,510,000	3/20/09	10,800,000	5/20/09	59.5[a]	7/28/09	13,100,000
			PCE (µg/m^3)	11/20/08	28,600	3/20/09	39,900	5/20/09	40,600	7/28/09	36,500
			Pressure Differential (kPa)	11/20/08	-0.06	3/20/09	0.12	5/20/09	0.28	7/28/09	0.12
			TCA (µg/m^3)	11/20/08	33,700	3/20/09	69,600	5/20/09	70,700	7/28/09	59,900
			TCE (µg/m^3)	11/20/08	12,300	3/20/09	11,100	5/20/09	20,000	7/28/09	15,100
	220	220	CO_2 (µg/m^3)	11/20/08	5,490,000	3/20/09	8,550,000	5/20/09	7,670,000	7/28/09	6,240,000
			Freon-11 (µg/m^3)	11/20/08	6870	3/20/09	5680	5/20/09	9870	7/28/09	7540
			H_2O (µg/m^3)	11/20/08	10,500,000	3/20/09	10,900,000	5/20/09	59.9[a]	7/28/09	12,800,000
			PCE (µg/m^3)	11/20/08	44,800	3/20/09	31,100	5/20/09	41,500	7/28/09	35,400
			Pressure Differential (kPa)	11/20/08	-0.06	3/20/09	0.12	5/20/09	0.22	7/28/09	0.1

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027	220	220	TCA (µg/m^3)	11/20/08	45,700	3/20/09	63,500	5/20/09	65,400	7/28/09	50,600
			TCE (µg/m^3)	11/20/08	13,000	3/20/09	11,000	5/20/09	19,700	7/28/09	14,900
	250	250	CO_2 (µg/m^3)	11/20/08	1,910,000	3/20/09	3,710,000	5/20/09	3,480,000	7/28/09	3,340,000
			Freon-11 (µg/m^3)	11/20/08	1130	3/20/09	2020	5/20/09	3470	7/28/09	2760
			H_2O (µg/m^3)	11/20/08	8,920,000	3/20/09	8,720,000	5/20/09	56[a]	7/28/09	12,700,000
			PCE (µg/m^3)	11/20/08	9870	3/20/09	14,500	5/20/09	14,900	7/28/09	15,400
			Pressure Differential (kPa)	11/20/08	-0.07	3/20/09	0.09	5/20/09	0.21	7/28/09	0.1
			TCA (µg/m^3)	11/20/08	8130	3/20/09	18,100	5/20/09	17,700	7/28/09	18,000
			TCE (µg/m^3)	11/20/08	7500	3/20/09	4650	5/20/09	6010	7/28/09	6950
54-02028	Ambient	Ambient	CO_2 (µg/m^3)	11/26/08	592,000	3/21/09	1,060,000	5/21/09	1,160,000	7/30/09	749,000
			Freon-11 (µg/m^3)	11/26/08	-172	3/21/09	41	5/21/09	-737	7/30/09	-640
			H_2O (µg/m^3)	11/26/08	2,640,000	3/21/09	6,180,000	5/21/09	50.8[a]	7/30/09	10,500,000
			PCE (µg/m^3)	11/26/08	841	3/21/09	3340	5/21/09	879	7/30/09	2250
			Pressure Differential (kPa)	11/26/08	0	3/21/09	0	5/21/09	0	7/30/09	0
			TCA (µg/m^3)	11/26/08	-1120	3/21/09	-2600	5/21/09	-1200	7/30/09	141
			TCE (µg/m^3)	11/26/08	2060	3/21/09	1910	5/21/09	-847	7/30/09	4740
	20	20	CO_2 (µg/m^3)	11/26/08	5,200,000	3/21/09	7,420,000	5/21/09	7,670,000	7/30/09	8,330,000
			Freon-11 (µg/m^3)	11/26/08	292	3/21/09	-150	5/21/09	227	7/30/09	352
			H_2O (µg/m^3)	11/26/08	6,680,000	3/21/09	11,700,000	5/21/09	59.3[a]	7/30/09	14,200,000
			PCE (µg/m^3)	11/26/08	3710	3/21/09	1330	5/21/09	1780	7/30/09	7340
			Pressure Differential (kPa)	11/26/08	0	3/21/09	0.02	5/21/09	-0.04	7/30/09	0
			TCA (µg/m^3)	11/26/08	-9570	3/21/09	-2800	5/21/09	3460	7/30/09	656
			TCE (µg/m^3)	11/26/08	4000	3/21/09	2910	5/21/09	1680	7/30/09	3200

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02028	60	60	CO_2 (µg/m^3)	11/26/08	6,160,000	3/21/09	8,440,000	5/21/09	7,730,000	7/30/09	7,840,000
			Freon-11 (µg/m^3)	11/26/08	378	3/21/09	231	5/21/09	1130	7/30/09	805
			H_2O (µg/m^3)	11/26/08	7,330,000	3/21/09	10,900,000	5/21/09	59.5[a]	7/30/09	13,300,000
			PCE (µg/m^3)	11/26/08	4740	3/21/09	2050	5/21/09	3480	7/30/09	4130
			Pressure Differential (kPa)	11/26/08	0	3/21/09	0.03	5/21/09	0	7/30/09	-0.02
			TCA (µg/m^3)	11/26/08	-4930	3/21/09	2730	5/21/09	9090	7/30/09	8830
			TCE (µg/m^3)	11/26/08	7390	3/21/09	2720	5/21/09	2200	7/30/09	6080
	100	100	CO_2 (µg/m^3)	11/26/08	5,870,000	3/21/09	8,460,000	5/21/09	7,640,000	7/30/09	7,450,000
			Freon-11 (µg/m^3)	11/26/08	899	3/21/09	525	5/21/09	175	7/30/09	2570
			H_2O (µg/m^3)	11/26/08	9,210,000	3/21/09	11,000,000	5/21/09	59.9[a]	7/30/09	13,900,000
			PCE (µg/m^3)	11/26/08	9040	3/21/09	3970	5/21/09	3800	7/30/09	10,600
			Pressure Differential (kPa)	11/26/08	0.01	3/21/09	0.02	5/21/09	0.03	7/30/09	-0.12
			TCA (µg/m^3)	11/26/08	-3310	3/21/09	6460	5/21/09	10,500	7/30/09	11,600
			TCE (µg/m^3)	11/26/08	7180	3/21/09	2960	5/21/09	7660	7/30/09	2360
	160	160	CO_2 (µg/m^3)	11/26/08	5,270,000	3/21/09	7,490,000	5/21/09	6,850,000	7/30/09	6,570,000
			Freon-11 (µg/m^3)	11/26/08	1470	3/21/09	1180	5/21/09	1740	7/30/09	1470
			H_2O (µg/m^3)	11/26/08	8,400,000	3/21/09	10,800,000	5/21/09	59.7[a]	7/30/09	13,600,000
			PCE (µg/m^3)	11/26/08	14,000	3/21/09	8590	5/21/09	11,300	7/30/09	9150
			Pressure Differential (kPa)	11/26/08	0.12	3/21/09	0.02	5/21/09	0.08	7/30/09	-0.15
			TCA (µg/m^3)	11/26/08	2020	3/21/09	12,700	5/21/09	14,400	7/30/09	14,500
			TCE (µg/m^3)	11/26/08	8360	3/21/09	2950	5/21/09	4850	7/30/09	5010
	200	200	CO_2 (µg/m^3)	11/26/08	4,700,000	3/21/09	6,410,000	5/21/09	6,070,000	7/30/09	6,470,000
			Freon-11 (µg/m^3)	11/26/08	1740	3/21/09	1170	5/21/09	2970	7/30/09	-28

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02028	200	200	H_2O (µg/m^3)	11/26/08	8,400,000	3/21/09	10,300,000	5/21/09	59.4[a]	7/30/09	13,300,000
			PCE (µg/m^3)	11/26/08	12,700	3/21/09	8500	5/21/09	11,100	7/30/09	6350
			Pressure Differential (kPa)	11/26/08	0.16	3/21/09	0.03	5/21/09	0.1	7/30/09	-0.13
			TCA (µg/m^3)	11/26/08	-813	3/21/09	12,100	5/21/09	9800	7/30/09	12,500
			TCE (µg/m^3)	11/26/08	6380	3/21/09	3100	5/21/09	4850	7/30/09	10,700
	220	220	CO_2 (µg/m^3)	11/26/08	4,790,000	3/21/09	6,740,000	5/21/09	6,330,000	7/30/09	5,810,000
			Freon-11 (µg/m^3)	11/26/08	1910	3/21/09	1130	5/21/09	4810	7/30/09	2800
			H_2O (µg/m^3)	11/26/08	8,480,000	3/21/09	10,800,000	5/21/09	60.5[a]	7/30/09	13,200,000
			PCE (µg/m^3)	11/26/08	15,200	3/21/09	9400	5/21/09	14,600	7/30/09	10,300
			Pressure Differential (kPa)	11/26/08	0.18	3/21/09	0.04	5/21/09	0.12	7/30/09	-0.12
			TCA (µg/m^3)	11/26/08	-356	3/21/09	12,700	5/21/09	12,900	7/30/09	13,400
			TCE (µg/m^3)	11/26/08	5360	3/21/09	3430	5/21/09	-1100	7/30/09	2050
	250	250	CO_2 (µg/m^3)	11/26/08	4,300,000	3/21/09	6,030,000	5/21/09	5,570,000	7/30/09	5,670,000
			Freon-11 (µg/m^3)	11/26/08	1690	3/21/09	1020	5/21/09	2550	7/30/09	3120
			H_2O (µg/m^3)	11/26/08	8,480,000	3/21/09	10,800,000	5/21/09	60.7[a]	7/30/09	13,400,000
			PCE (µg/m^3)	11/26/08	11,500	3/21/09	8070	5/21/09	7970	7/30/09	11,500
			Pressure Differential (kPa)	11/26/08	0.18	3/21/09	0.04	5/21/09	0.1	7/30/09	-0.09
			TCA (µg/m^3)	11/26/08	-2350	3/21/09	11,400	5/21/09	5300	7/30/09	7700
			TCE (µg/m^3)	11/26/08	5060	3/21/09	2580	5/21/09	2720	7/30/09	3040
54-02031	Ambient	Ambient	CO_2 (µg/m^3)	11/12/08	18,500,000	3/12/09	1,250,000	5/7/09	787,000	8/17/09	778,000
			Freon-11 (µg/m^3)	11/12/08	1790	3/12/09	-98	5/7/09	-261	8/17/09	1150
			H_2O (µg/m^3)	11/12/08	13,000,000	3/12/09	3,580,000	5/7/09	32.5[a]	8/17/09	6,560,000
			PCE (µg/m^3)	11/12/08	20,900	3/12/09	3110	5/7/09	-457	8/17/09	-6100

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031	Ambient	Ambient	Pressure Differential (kPa)	11/12/08	0	3/12/09	0	5/7/09	0	8/17/09	0
			TCA (µg/m^3)	11/12/08	54,800	3/12/09	-5100	5/7/09	-673	8/17/09	-1300
			TCE (µg/m^3)	11/12/08	20,100	3/12/09	3340	5/7/09	1330	8/17/09	337
	20	20	CO_2 (µg/m^3)	11/12/08	18,500,000	3/12/09	21,500,000	5/7/09	17,500,000	8/17/09	24,800,000
			Freon-11 (µg/m^3)	11/12/08	1790	3/12/09	165	5/7/09	878	8/17/09	1770
			H_2O (µg/m^3)	11/12/08	13,000,000	3/12/09	8,280,000	5/7/09	60.8[a]	8/17/09	15,000,000
			PCE (µg/m^3)	11/12/08	20,900	3/12/09	2970	5/7/09	7840	8/17/09	11,200
			Pressure Differential (kPa)	11/12/08	0	3/12/09	0	5/7/09	0	8/17/09	-0.02
			TCA (µg/m^3)	11/12/08	54,800	3/12/09	-25,000	5/7/09	56,500	8/17/09	56,200
			TCE (µg/m^3)	11/12/08	20,100	3/12/09	9170	5/7/09	17,400	8/17/09	15,600
	60	60	CO_2 (µg/m^3)	11/12/08	11,900,000	3/12/09	18,000,000	5/7/09	14,600,000	8/17/09	15,000,000
			Freon-11 (µg/m^3)	11/12/08	3870	3/12/09	1810	5/7/09	2890	8/17/09	2900
			H_2O (µg/m^3)	11/12/08	12,200,000	3/12/09	13,200,000	5/7/09	60.7[a]	8/17/09	15,300,000
			PCE (µg/m^3)	11/12/08	30,700	3/12/09	18,100	5/7/09	21,100	8/17/09	24,900
			Pressure Differential (kPa)	11/12/08	-0.01	3/12/09	0	5/7/09	-0.02	8/17/09	-0.1
			TCA (µg/m^3)	11/12/08	107,000	3/12/09	48,800	5/7/09	119,000	8/17/09	110,000
			TCE (µg/m^3)	11/12/08	30,100	3/12/09	24,000	5/7/09	34,800	8/17/09	34,400
	100	100	CO_2 (µg/m^3)	11/12/08	9,520,000	3/12/09	14,900,000	5/7/09	12,300,000	8/17/09	12,200,000
			Freon-11 (µg/m^3)	11/12/08	4490	3/12/09	3360	5/7/09	5360	8/17/09	5410
			H_2O (µg/m^3)	11/12/08	12,000,000	3/12/09	12,400,000	5/7/09	60.7[a]	8/17/09	15,100,000
			PCE (µg/m^3)	11/12/08	46,500	3/12/09	30,300	5/7/09	29,600	8/17/09	36,800
			Pressure Differential (kPa)	11/12/08	-0.4	3/12/09	-0.05	5/7/09	-0.06	8/17/09	-0.15

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031	100	100	TCA (µg/m^3)	11/12/08	157,000	3/12/09	134,000	5/7/09	172,000	8/17/09	152,000
			TCE (µg/m^3)	11/12/08	39,000	3/12/09	35,500	5/7/09	48,500	8/17/09	41,200
	160	160	CO_2 (µg/m^3)	11/12/08	8,600,000	3/12/09	13,600,000	5/7/09	11,200,000	8/17/09	11,000,000
			Freon-11 (µg/m^3)	11/12/08	5560	3/12/09	4280	5/7/09	7330	8/17/09	6540
			H_2O (µg/m^3)	11/12/08	11,700,000	3/12/09	11,800,000	5/7/09	61[a]	8/17/09	15,000,000
			PCE (µg/m^3)	11/12/08	48,100	3/12/09	40,300	5/7/09	38,700	8/17/09	45,200
			Pressure Differential (kPa)	11/12/08	-0.07	3/12/09	0	5/7/09	0	8/17/09	-0.13
			TCA (µg/m^3)	11/12/08	159,000	3/12/09	152,000	5/7/09	183,000	8/17/09	166,000
			TCE (µg/m^3)	11/12/08	50,600	3/12/09	38,600	5/7/09	52,800	8/17/09	44,900
	200	200	CO_2 (µg/m^3)	11/12/08	7,970,000	3/12/09	11,900,000	5/7/09	10,300,000	8/17/09	10,800,000
			Freon-11 (µg/m^3)	11/12/08	6930	3/12/09	4500	5/7/09	8740	8/17/09	9480
			H_2O (µg/m^3)	11/12/08	11,700,000	3/12/09	11,800,000	5/7/09	60.9[a]	8/17/09	14,200,000
			PCE (µg/m^3)	11/12/08	51,900	3/12/09	38,900	5/7/09	40,700	8/17/09	51,500
			Pressure Differential (kPa)	11/12/08	-0.1	3/12/09	-0.21	5/7/09	-0.14	8/17/09	-0.13
			TCA (µg/m^3)	11/12/08	130,000	3/12/09	118,000	5/7/09	152,000	8/17/09	150,000
			TCE (µg/m^3)	11/12/08	35,300	3/12/09	33,100	5/7/09	44,500	8/17/09	37,700
	220	220	CO_2 (µg/m^3)	11/12/08	1,870,000	NS	NS	NS	NS	8/17/09	1,470,000[b]
			Freon-11 (µg/m^3)	11/12/08	1270	NS	NS	NS	NS	8/17/09	544[b]
			H_2O (µg/m^3)	11/12/08	9,290,000	NS	NS	NS	NS	8/17/09	9,340,000[b]
			PCE (µg/m^3)	11/12/08	9600	NS	NS	NS	NS	8/17/09	3440[b]
			Pressure Differential (kPa)	11/12/08	0	3/12/09	-0.1[d]	5/7/09	-0.05[d]	8/17/09	-0.04[b]
			TCA (µg/m^3)	11/12/08	17,600	NS	NS	NS	NS	8/17/09	6520[b]
			TCE (µg/m^3)	11/12/08	5950	NS	NS	NS	NS	8/17/09	3010[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031	260	260	CO_2 (µg/m^3)	11/12/08	4,790,000	3/12/09	8,940,000	5/7/09	7,120,000	8/17/09	7,700,000
			Freon-11 (µg/m^3)	11/12/08	3090	3/12/09	3380	5/7/09	4650	8/17/09	5550
			H_2O (µg/m^3)	11/12/08	10,800,000	3/12/09	10,700,000	5/7/09	57.4[a]	8/17/09	13,100,000
			PCE (µg/m^3)	11/12/08	30,200	3/12/09	30,200	5/7/09	28,200	8/17/09	35,200
			Pressure Differential (kPa)	11/12/08	-0.08	3/12/09	-0.19	5/7/09	-0.1	8/17/09	-0.02
			TCA (µg/m^3)	11/12/08	64,300	3/12/09	68,100	5/7/09	82,800	8/17/09	83,000
			TCE (µg/m^3)	11/12/08	23,600	3/12/09	17,700	5/7/09	24,800	8/17/09	23,200
54-02034	Ambient	Ambient	CO_2 (µg/m^3)	11/13/08	724,000	3/10/09	1,010,000	5/4/09	894,000	7/22/09	830,000
			Freon-11 (µg/m^3)	11/13/08	853	3/10/09	148	5/4/09	-426	7/22/09	-67
			H_2O (µg/m^3)	11/13/08	4,660,000	3/10/09	5,180,000	5/4/09	46.6[a]	7/22/09	13,000,000
			PCE (µg/m^3)	11/13/08	-6.95	3/10/09	4190	5/4/09	219	7/22/09	2630
			Pressure Differential (kPa)	11/13/08	0	3/10/09	0	5/4/09	0	7/22/09	0
			TCA (µg/m^3)	11/13/08	3250	3/10/09	-2700	5/4/09	-2100	7/22/09	-89
			TCE (µg/m^3)	11/13/08	-26.8	3/10/09	2400	5/4/09	-717	7/22/09	-1200
	20	20	CO_2 (µg/m^3)	11/13/08	22,000,000	3/10/09	28,900,000	5/4/09	23,200,000	7/22/09	25,900,000
			Freon-11 (µg/m^3)	11/13/08	-601	3/10/09	-1800	5/4/09	-1100	7/22/09	-630
			H_2O (µg/m^3)	11/13/08	11,400,000	3/10/09	12,200,000	5/4/09	61.3[a]	7/22/09	13,600,000
			PCE (µg/m^3)	11/13/08	1960	3/10/09	-14,000	5/4/09	-1700	7/22/09	1610
			Pressure Differential (kPa)	11/13/08	0	3/10/09	-0.02	5/4/09	0	7/22/09	-0.03
			TCA (µg/m^3)	11/13/08	12,100	3/10/09	-41,000	5/4/09	9180	7/22/09	48,700
			TCE (µg/m^3)	11/13/08	12,700	3/10/09	-1900	5/4/09	6660	7/22/09	6940
	60	60	CO_2 (µg/m^3)	11/13/08	13,700,000	3/10/09	21,300,000	5/4/09	23,300,000	7/22/09	16,200,000
			Freon-11 (µg/m^3)	11/13/08	281	3/10/09	-1100	5/4/09	-1000	7/22/09	354

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034	60	60	H_2O (µg/m^3)	11/13/08	12,500,000	3/10/09	13,500,000	5/4/09	61.9[a]	7/22/09	14,100,000
			PCE (µg/m^3)	11/13/08	4520	3/10/09	-8200	5/4/09	-3400	7/22/09	5540
			Pressure Differential (kPa)	11/13/08	0	3/10/09	-0.08	5/4/09	0.03	7/22/09	-0.07
			TCA (µg/m^3)	11/13/08	23,600	3/10/09	-10,000	5/4/09	11,800	7/22/09	57,000
			TCE (µg/m^3)	11/13/08	14,600	3/10/09	3700	5/4/09	6640	7/22/09	9470
	100	100	CO_2 (µg/m^3)	11/13/08	11,900,000	3/10/09	17,400,000	5/4/09	15,700,000	7/22/09	12,100,000
			Freon-11 (µg/m^3)	11/13/08	681	3/10/09	-668	5/4/09	-1200	7/22/09	1100
			H_2O (µg/m^3)	11/13/08	12,500,000	3/10/09	10,000,000	5/4/09	62.2[a]	7/22/09	13,100,000
			PCE (µg/m^3)	11/13/08	5260	3/10/09	-5600	5/4/09	781	7/22/09	1140
			Pressure Differential (kPa)	11/13/08	0.1	3/10/09	-0.15	5/4/09	0.05	7/22/09	-0.11
			TCA (µg/m^3)	11/13/08	40,000	3/10/09	8300	5/4/09	41,200	7/22/09	47,300
			TCE (µg/m^3)	11/13/08	14,900	3/10/09	6080	5/4/09	14,500	7/22/09	7700
	160	160	CO_2 (µg/m^3)	11/13/08	9,290,000	3/10/09	14,200,000	5/4/09	11,800,000	7/22/09	10,500,000
			Freon-11 (µg/m^3)	11/13/08	-34.4	3/10/09	-347	5/4/09	-725	7/22/09	220
			H_2O (µg/m^3)	11/13/08	11,700,000	3/10/09	13,100,000	5/4/09	61.9[a]	7/22/09	13,600,000
			PCE (µg/m^3)	11/13/08	3490	3/10/09	-1400	5/4/09	1610	7/22/09	5830
			Pressure Differential (kPa)	11/13/08	0.1	3/10/09	0	5/4/09	0.08	7/22/09	-0.11
			TCA (µg/m^3)	11/13/08	18,300	3/10/09	5970	5/4/09	23,200	7/22/09	40,000
			TCE (µg/m^3)	11/13/08	12,800	3/10/09	4350	5/4/09	12,400	7/22/09	6320
	200	200	CO_2 (µg/m^3)	11/13/08	8,050,000	3/10/09	12,200,000	5/4/09	10,500,000	7/22/09	8,330,000
			Freon-11 (µg/m^3)	11/13/08	240	3/10/09	-309	5/4/09	1370	7/22/09	928
			H_2O (µg/m^3)	11/13/08	11,700,000	3/10/09	12,800,000	5/4/09	61.9[a]	7/22/09	12,700,000
			PCE (µg/m^3)	11/13/08	7300	3/10/09	559	5/4/09	3810	7/22/09	1680

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034	200	200	Pressure Differential (kPa)	11/13/08	0	3/10/09	0.03	5/4/09	0.07	7/22/09	-0.09
			TCA ($\mu g/m^3$)	11/13/08	10,700	3/10/09	115	5/4/09	15,200	7/22/09	27,000
			TCE ($\mu g/m^3$)	11/13/08	8730	3/10/09	2640	5/4/09	4840	7/22/09	8570
	220	220	CO_2 ($\mu g/m^3$)	11/13/08	7,330,000	3/10/09	11,300,000	5/4/09	98,600,000	7/22/09	6,400,000
			Freon-11 ($\mu g/m^3$)	11/13/08	418	3/10/09	-166	5/4/09	-35	7/22/09	1050
			H_2O ($\mu g/m^3$)	11/13/08	11,800,000	3/10/09	12,300,000	5/4/09	62.2[a]	7/22/09	12,100,000
			PCE ($\mu g/m^3$)	11/13/08	3110	3/10/09	1790	5/4/09	2120	7/22/09	-804
			Pressure Differential (kPa)	11/13/08	0	3/10/09	0.04	5/4/09	0.08	7/22/09	-0.11
			TCA ($\mu g/m^3$)	11/13/08	6010	3/10/09	-2100	5/4/09	13,200	7/22/09	16,700
			TCE ($\mu g/m^3$)	11/13/08	7070	3/10/09	1770	5/4/09	3370	7/22/09	3130
	260	260	CO_2 ($\mu g/m^3$)	11/13/08	5,440,000	3/10/09	8,330,000	5/4/09	67,500,000	7/22/09	4,490,000
			Freon-11 ($\mu g/m^3$)	11/13/08	-223	3/10/09	-393	5/4/09	95.7	7/22/09	-478
			H_2O ($\mu g/m^3$)	11/13/08	11,700,000	3/10/09	13,200,000	5/4/09	61.3[a]	7/22/09	12,800,000
			PCE ($\mu g/m^3$)	11/13/08	980	3/10/09	-1600	5/4/09	5500	7/22/09	2110
			Pressure Differential (kPa)	11/13/08	0	3/10/09	0	5/4/09	0.07	7/22/09	-0.07
			TCA ($\mu g/m^3$)	11/13/08	-7440	3/10/09	-17,000	5/4/09	-5500	7/22/09	2880
			TCE ($\mu g/m^3$)	11/13/08	2930	3/10/09	1130	5/4/09	726	7/22/09	1890
	300	300	CO_2 ($\mu g/m^3$)	11/13/08	3,550,000	3/10/09	5,500,000	5/4/09	14,700,000	7/22/09	3,420,000
			Freon-11 ($\mu g/m^3$)	11/13/08	-762	3/10/09	-741	5/4/09	64.4	7/22/09	-440
			H_2O ($\mu g/m^3$)	11/13/08	13,100,000	3/10/09	13,500,000	5/4/09	44[a]	7/22/09	13,600,000
			PCE ($\mu g/m^3$)	11/13/08	-1400	3/10/09	-123	5/4/09	-280	7/22/09	544
			Pressure Differential (kPa)	11/13/08	0.1	3/10/09	0.06	5/4/09	0.09	7/22/09	-0.09

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034	300	300	TCA (µg/m^3)	11/13/08	-10,100	3/10/09	-14,000	5/4/09	-5700	7/22/09	1860
			TCE (µg/m^3)	11/13/08	2860	3/10/09	3250	5/4/09	-1400	7/22/09	2860
54-02089	Ambient	Ambient	CO_2 (µg/m^3)	11/7/08	655,000	3/16/09	1,670,000	5/6/09	792,000	7/21/09	805,000
			Freon-11 (µg/m^3)	11/7/08	355	3/16/09	391	5/6/09	-273	7/21/09	-237
			H_2O (µg/m^3)	11/7/08	2,030,000	3/16/09	5,820,000	5/6/09	32.7[a]	7/21/09	11,800,000
			PCE (µg/m^3)	11/7/08	2650	3/16/09	6710	5/6/09	453	7/21/09	2340
			Pressure Differential (kPa)	11/7/08	0	3/16/09	0	5/6/09	0	7/21/09	0
			TCA (µg/m^3)	11/7/08	-1690	3/16/09	-7100	5/6/09	-5500	7/21/09	-1100
			TCE (µg/m^3)	11/7/08	2300	3/16/09	3510	5/6/09	-1300	7/21/09	1070
	13	13	CO_2 (µg/m^3)	11/7/08	40,700,000	3/16/09	55,000,000	5/6/09	44,500,000	7/21/09	52,100,000
			Freon-11 (µg/m^3)	11/7/08	78,400	3/16/09	45,400	5/6/09	82,300	7/21/09	97,600
			H_2O (µg/m^3)	11/7/08	8,400,000	3/16/09	12,100,000	5/6/09	64.5[a]	7/21/09	17,100,000
			PCE (µg/m^3)	11/7/08	716,000	3/16/09	414,000	5/6/09	543,000	7/21/09	688,000
			Pressure Differential (kPa)	11/7/08	0.01	3/16/09	0	5/6/09	-0.03	7/21/09	-0.02
			TCA (µg/m^3)	11/7/08	1,880,000	3/16/09	1,550,000	5/6/09	1610	7/21/09	1,800,000
			TCE (µg/m^3)	11/7/08	632,000	3/16/09	528,000	5/6/09	697,000	7/21/09	633,000
	31	31	CO_2 (µg/m^3)	11/7/08	42,500,000	3/16/09	61,900,000	5/6/09	47,300,000	7/21/09	35,200,000
			Freon-11 (µg/m^3)	11/7/08	117,000	3/16/09	94,900	5/6/09	150,000	7/21/09	98,700
			H_2O (µg/m^3)	11/7/08	8,920,000	3/16/09	14,100,000	5/6/09	65.2[a]	7/21/09	14,300,000
			PCE (µg/m^3)	11/7/08	1,070,000	3/16/09	904,000	5/6/09	938,000	7/21/09	712,000
			Pressure Differential (kPa)	11/7/08	0.01	3/16/09	0	5/6/09	-0.03	7/21/09	-0.02
			TCA (µg/m^3)	11/7/08	2,430,000	3/16/09	2,680,000	5/6/09	2,380,000	7/21/09	1,540,000
			TCE (µg/m^3)	11/7/08	691,000	3/16/09	643,000	5/6/09	807,000	7/21/09	425,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02089	46	46	CO_2 (µg/m^3)	11/7/08	41,400,000	3/16/09	58,400,000	5/6/09	47,000,000	7/21/09	50,600,000
			Freon-11 (µg/m^3)	11/7/08	151,000	3/16/09	113,000	5/6/09	183,000	7/21/09	189,000
			H_2O (µg/m^3)	11/7/08	10,500,000	3/16/09	11,900,000	5/6/09	64.1[a]	7/21/09	17,200,000
			PCE (µg/m^3)	11/7/08	1,380,000	3/16/09	1,090,000	5/6/09	1,120,000	7/21/09	1380
			Pressure Differential (kPa)	11/7/08	0.01	3/16/09	0	5/6/09	-0.03	7/21/09	-0.05
			TCA (µg/m^3)	11/7/08	3,050,000	3/16/09	3,170,000	5/6/09	2,730,000	7/21/09	2990
			TCE (µg/m^3)	11/7/08	798,000	3/16/09	639,000	5/6/09	801,000	7/21/09	741,000
	86	86	CO_2 (µg/m^3)	11/7/08	34,700,000	3/16/09	51,700,000	5/6/09	43,500,000	7/21/09	46,300,000
			Freon-11 (µg/m^3)	11/7/08	152,000	3/16/09	117,000	5/6/09	195,000	7/21/09	187,000
			H_2O (µg/m^3)	11/7/08	10,300,000	3/16/09	11,700,000	5/6/09	64.4[a]	7/21/09	16,300,000
			PCE (µg/m^3)	11/7/08	1,370,000	3/16/09	1,120,000	5/6/09	1,200,000	7/21/09	1,340,000
			Pressure Differential (kPa)	11/7/08	0	3/16/09	-0.04	5/6/09	-0.08	7/21/09	-0.03
			TCA (µg/m^3)	11/7/08	3,220,000	3/16/09	3,480,000	5/6/09	3,270,000	7/21/09	3,310,000
			TCE (µg/m^3)	11/7/08	814,000	3/16/09	702,000	5/6/09	976,000	7/21/09	825,000
54-24238	Ambient	Ambient	CO_2 (µg/m^3)	11/7/08	659,000	3/16/09	921,000	5/13/09	991,000	7/21/09	16,700,000
			Freon-11 (µg/m^3)	11/7/08	57.3	3/16/09	-110	5/13/09	-22	7/21/09	448
			H_2O (µg/m^3)	11/7/08	1,390,000	3/16/09	12,800,000	5/13/09	33.7[a]	7/21/09	11,000,000
			PCE (µg/m^3)	11/7/08	3430	3/16/09	3060	5/13/09	-272	7/21/09	14,200
			Pressure Differential (kPa)	11/7/08	0	3/16/09	0	5/13/09	0	7/21/09	0
			TCA (µg/m^3)	11/7/08	-282	3/16/09	-1400	5/13/09	-6900	7/21/09	4490
			TCE (µg/m^3)	11/7/08	1760	3/16/09	3800	5/13/09	-1500	7/21/09	25,400
	44	43–45	CO_2 (µg/m^3)	11/7/08	41,200,000	3/16/09	62,800,000	5/13/09	51,600,000	7/21/09	55,000,000
			Freon-11 (µg/m^3)	11/7/08	129,000	3/16/09	107,000	5/13/09	223,000	7/21/09	216,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24238	44	43–45	H_2O (µg/m^3)	11/7/08	8,030,000	3/16/09	18,100,000	5/13/09	64.8[a]	7/21/09	15,600,000
			PCE (µg/m^3)	11/7/08	1,220,000	3/16/09	1,070,000	5/13/09	1,390,000	7/21/09	1,620,000
			Pressure Differential (kPa)	11/7/08	0.01	3/16/09	-0.06	5/13/09	0	7/21/09	0
			TCA (µg/m^3)	11/7/08	3,030,000	3/16/09	2,930,000	5/13/09	3,050,000	7/21/09	2,960,000
			TCE (µg/m^3)	11/7/08	648,000	3/16/09	532,000	5/13/09	793,000	7/21/09	651,000
	64	63–65	CO_2 (µg/m^3)	11/7/08	34,600,000	3/16/09	53,500,000	5/13/09	44,000,000	7/21/09	46,100,000
			Freon-11 (µg/m^3)	11/7/08	148,000	3/16/09	122,000	5/13/09	222,000	7/21/09	219,000
			H_2O (µg/m^3)	11/7/08	9,360,000	3/16/09	17,800,000	5/13/09	65.1[a]	7/21/09	15,400,000
			PCE (µg/m^3)	11/7/08	1,380,000	3/16/09	1,200,000	5/13/09	1,370,000	7/21/09	1,630,000
			Pressure Differential (kPa)	11/7/08	0.16	3/16/09	-0.12	5/13/09	0.04	7/21/09	0.27
			TCA (µg/m^3)	11/7/08	3,810,000	3/16/09	3,610,000	5/13/09	3,570,000	7/21/09	3,480,000
			TCE (µg/m^3)	11/7/08	622,000	3/16/09	508,000	5/13/09	764,000	7/21/09	611,000
	84	83–85	CO_2 (µg/m^3)	11/7/08	32,400,000	3/16/09	49,500,000	5/13/09	41,000,000	7/21/09	43,700,000
			Freon-11 (µg/m^3)	11/7/08	143,000	3/16/09	117,000	5/13/09	196,000	7/21/09	198,000
			H_2O (µg/m^3)	11/7/08	9,580,000	3/16/09	12,900,000	5/13/09	66.3[a]	7/21/09	15,500,000
			PCE (µg/m^3)	11/7/08	1,310,000	3/16/09	1,150,000	5/13/09	1,180,000	7/21/09	1,420,000
			Pressure Differential (kPa)	11/7/08	0.18	3/16/09	0	5/13/09	0	7/21/09	0.22
			TCA (µg/m^3)	11/7/08	3,250,000	3/16/09	3,290,000	5/13/09	2,990,000	7/21/09	2,990,000
			TCE (µg/m^3)	11/7/08	616,000	3/16/09	524,000	5/13/09	772,000	7/21/09	637,000
54-24239	Ambient	Ambient	CO_2 (µg/m^3)	11/12/08	3,350,000	3/17/09	1,440,000	5/6/09	1160	7/17/09	794,000
			Freon-11 (µg/m^3)	11/12/08	-1130	3/17/09	774	5/6/09	1040	7/17/09	-313
			H_2O (µg/m^3)	11/12/08	8,400,000	3/17/09	6,630,000	5/6/09	35.9[a]	7/17/09	8,950,000
			PCE (µg/m^3)	11/12/08	452	3/17/09	31,300	5/6/09	4120	7/17/09	-820

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24239	Ambient	Ambient	Pressure Differential (kPa)	11/12/08	0	3/17/09	0	5/6/09	0	7/17/09	0
			TCA (µg/m^3)	11/12/08	-7440	3/17/09	-7100	5/6/09	-8800	7/17/09	-1500
			TCE (µg/m^3)	11/12/08	1300	3/17/09	4590	5/6/09	-1600	7/17/09	3660
	25	24–26	CO_2 (µg/m^3)	11/12/08	16,400,000	3/17/09	23,000,000	5/6/09	11,300,000	7/17/09	10,600,000
			Freon-11 (µg/m^3)	11/12/08	19,900	3/17/09	12,700	5/6/09	9970	7/17/09	6840
			H_2O (µg/m^3)	11/12/08	9,140,000	3/17/09	12,900,000	5/6/09	55.8[a]	7/17/09	12,100,000
			PCE (µg/m^3)	11/12/08	503,000	3/17/09	395,000	5/6/09	208,000	7/17/09	179,000
			Pressure Differential (kPa)	11/12/08	0	3/17/09	0	5/6/09	0.04	7/17/09	0
			TCA (µg/m^3)	11/12/08	638,000	3/17/09	651,000	5/6/09	335,000	7/17/09	280,000
			TCE (µg/m^3)	11/12/08	163,000	3/17/09	142,000	5/6/09	112,000	7/17/09	79,400
	50	49–51	CO_2 (µg/m^3)	11/12/08	16,400,000	3/17/09	24,300,000	5/6/09	21,100,000	7/17/09	9,190,000
			Freon-11 (µg/m^3)	11/12/08	23,700	3/17/09	16,100	5/6/09	24,000	7/17/09	8550
			H_2O (µg/m^3)	11/12/08	9,290,000	3/17/09	13,700,000	5/6/09	67[a]	7/17/09	11,200,000
			PCE (µg/m^3)	11/12/08	536,000	3/17/09	442,000	5/6/09	443,000	7/17/09	174,000
			Pressure Differential (kPa)	11/12/08	0	3/17/09	-0.02	5/6/09	0.05	7/17/09	0
			TCA (µg/m^3)	11/12/08	771,000	3/17/09	790,000	5/6/09	784,000	7/17/09	278,000
			TCE (µg/m^3)	11/12/08	188,000	3/17/09	164,000	5/6/09	250,000	7/17/09	78,500
	75	74–76	CO_2 (µg/m^3)	11/12/08	16,100,000	3/17/09	24,000,000	5/6/09	20,800,000	7/17/09	8,510,000
			Freon-11 (µg/m^3)	11/12/08	25,400	3/17/09	17,700	5/6/09	26,500	7/17/09	8500
			H_2O (µg/m^3)	11/12/08	8,920,000	3/17/09	13,700,000	5/6/09	65.9[a]	7/17/09	10,700,000
			PCE (µg/m^3)	11/12/08	542,000	3/17/09	454,000	5/6/09	447,000	7/17/09	161,000
			Pressure Differential (kPa)	11/12/08	0	3/17/09	-0.06	5/6/09	0.05	7/17/09	-0.03

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24239	75	74–76	TCA (µg/m^3)	11/12/08	835,000	3/17/09	839,000	5/6/09	851,000	7/17/09	290,000
			TCE (µg/m^3)	11/12/08	206,000	3/17/09	176,000	5/6/09	271,000	7/17/09	81,100
	99.5	98.5–100.5	CO_2 (µg/m^3)	11/12/08	15,900,000	3/17/09	23,500,000	5/6/09	21,000,000	7/17/09	8,630,000
			Freon-11 (µg/m^3)	11/12/08	28,000	3/17/09	19,400	5/6/09	29,700	7/17/09	8590
			H_2O (µg/m^3)	11/12/08	9,360,000	3/17/09	13,700,000	5/6/09	65.4[a]	7/17/09	10,500,000
			PCE (µg/m^3)	11/12/08	521,000	3/17/09	434,000	5/6/09	445,000	7/17/09	147,000
			Pressure Differential (kPa)	11/12/08	0	3/17/09	-0.06	5/6/09	0.05	7/17/09	-0.04
			TCA (µg/m^3)	11/12/08	899,000	3/17/09	882,000	5/6/09	929,000	7/17/09	296,000
			TCE (µg/m^3)	11/12/08	213,000	3/17/09	181,000	5/6/09	295,000	7/17/09	80,900
54-24240	Ambient	Ambient	CO_2 (µg/m^3)	11/10/08	648,000	3/14/09	990,000	5/14/09	904,000	7/17/09	1,010,000
			Freon-11 (µg/m^3)	11/10/08	1100	3/14/09	633	5/14/09	773	7/17/09	-138
			H_2O (µg/m^3)	11/10/08	8,990,000	3/14/09	11,000,000	5/14/09	38[a]	7/17/09	9,860,000
			PCE (µg/m^3)	11/10/08	1410	3/14/09	4970	5/14/09	2200	7/17/09	242
			Pressure Differential (kPa)	11/10/08	0	3/14/09	0	5/14/09	0	7/17/09	0
			TCA (µg/m^3)	11/10/08	-845	3/14/09	-2500	5/14/09	-4600	7/17/09	468
			TCE (µg/m^3)	11/10/08	2210	3/14/09	3450	5/14/09	-476	7/17/09	1260
	28	27–29	CO_2 (µg/m^3)	11/10/08	28,400,000	3/14/09	38,700,000	5/14/09	27,600,000	7/17/09	21,800,000
			Freon-11 (µg/m^3)	11/10/08	52,000	3/14/09	34,800	5/14/09	24,200	7/17/09	23,300
			H_2O (µg/m^3)	11/10/08	9,730,000	3/14/09	12,500,000	5/14/09	62.2[a]	7/17/09	13,500,000
			PCE (µg/m^3)	11/10/08	813,000	3/14/09	625,000	5/14/09	541,000	7/17/09	345,000
			Pressure Differential (kPa)	11/10/08	0	3/14/09	0.07	5/14/09	0.03	7/17/09	0
			TCA (µg/m^3)	11/10/08	2,670,000	3/14/09	3,050,000	5/14/09	2,300,000	7/17/09	1,320,000
			TCE (µg/m^3)	11/10/08	1,110,000	3/14/09	1,010,000	5/14/09	1,080,000	7/17/09	570,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24240	53	52–54	CO_2 (µg/m^3)	11/10/08	23,000,000	3/14/09	35,500,000	5/14/09	28,500,000	7/17/09	16,800,000
			Freon-11 (µg/m^3)	11/10/08	50,000	3/14/09	41,700	5/14/09	47,300	7/17/09	30,000
			H_2O (µg/m^3)	11/10/08	9,800,000	3/14/09	13,200,000	5/14/09	63.5[a]	7/17/09	14,600,000
			PCE (µg/m^3)	11/10/08	638,000	3/14/09	569,000	5/14/09	596,000	7/17/09	307,000
			Pressure Differential (kPa)	11/10/08	0	3/14/09	0.12	5/14/09	0.03	7/17/09	0
			TCA (µg/m^3)	11/10/08	2,520,000	3/14/09	3,150,000	5/14/09	2,980,000	7/17/09	1,499,000
			TCE (µg/m^3)	11/10/08	755,000	3/14/09	862,000	5/14/09	1,190,000	7/17/09	530,000
	78	77–79	CO_2 (µg/m^3)	11/10/08	15,500,000	3/14/09	25,600,000	5/14/09	23,700,000	7/17/09	12,000,000
			Freon-11 (µg/m^3)	11/10/08	24,700	3/14/09	23,100	5/14/09	38,700	7/17/09	18,300
			H_2O (µg/m^3)	11/10/08	9,580,000	3/14/09	13,100,000	5/14/09	63.5[a]	7/17/09	12,800,000
			PCE (µg/m^3)	11/10/08	363,000	3/14/09	369,000	5/14/09	453,000	7/17/09	208,000
			Pressure Differential (kPa)	11/10/08	0.1	3/14/09	0.19	5/14/09	0.02	7/17/09	-0.04
			TCA (µg/m^3)	11/10/08	1,550,000	3/14/09	1,900,000	5/14/09	2,030,000	7/17/09	883,000
			TCE (µg/m^3)	11/10/08	372,000	3/14/09	415,000	5/14/09	677,000	7/17/09	260,000
	103	102–104	CO_2 (µg/m^3)	11/10/08	12,800,000	3/14/09	21,100,000	5/14/09	18,700,000	7/17/09	19,800,000
			Freon-11 (µg/m^3)	11/10/08	19,100	3/14/09	16,400	5/14/09	25,400	7/17/09	26,400
			H_2O (µg/m^3)	11/10/08	9,510,000	3/14/09	11,300,000	5/14/09	63.6[a]	7/17/09	12,800,000
			PCE (µg/m^3)	11/10/08	255,000	3/14/09	264,000	5/14/09	311,000	7/17/09	328,000
			Pressure Differential (kPa)	11/10/08	0.5	3/14/09	0.25	5/14/09	-0.03	7/17/09	-0.09
			TCA (µg/m^3)	11/10/08	1,310,000	3/14/09	1,620,000	5/14/09	1,580,000	7/17/09	1,560,000
			TCE (µg/m^3)	11/10/08	293,000	3/14/09	317,000	5/14/09	462,000	7/17/09	399,000
	128	127–129	CO_2 (µg/m^3)	11/10/08	10,900,000	3/14/09	18,500,000	5/14/09	15,600,000	7/17/09	14,200,000
			Freon-11 (µg/m^3)	11/10/08	16,200	3/14/09	14,000	5/14/09	19,000	7/17/09	16,300

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24240	128	127–129	H_2O (µg/m^3)	11/10/08	9,430,000	3/14/09	11,300,000	5/14/09	62.2[a]	7/17/09	11,700,000
			PCE (µg/m^3)	11/10/08	177,000	3/14/09	187,000	5/14/09	214,000	7/17/09	185,000
			Pressure Differential (kPa)	11/10/08	0.4	3/14/09	0.27	5/14/09	-0.09	7/17/09	-0.15
			TCA (µg/m^3)	11/10/08	1,030,000	3/14/09	1,430,000	5/14/09	1,290,000	7/17/09	1,060,000
			TCE (µg/m^3)	11/10/08	241,000	3/14/09	269,000	5/14/09	360,000	7/17/09	251,000
	153	152–154	CO_2 (µg/m^3)	11/10/08	10,400,000	3/14/09	16,200,000	5/14/09	14,100,000	7/17/09	13,300,000
			Freon-11 (µg/m^3)	11/10/08	16,800	3/14/09	12,500	5/14/09	18,400	7/17/09	16,400
			H_2O (µg/m^3)	11/10/08	9,210,000	3/14/09	11,400,000	5/14/09	63.1[a]	7/17/09	14,200,000
			PCE (µg/m^3)	11/10/08	165,000	3/14/09	148,000	5/14/09	173,000	7/17/09	159,000
			Pressure Differential (kPa)	11/10/08	0.3	3/14/09	0.28	5/14/09	0	7/17/09	0
			TCA (µg/m^3)	11/10/08	941,000	3/14/09	1,180,000	5/14/09	1,140,000	7/17/09	1,000,000
			TCE (µg/m^3)	11/10/08	216,000	3/14/09	233,000	5/14/09	310,000	7/17/09	241,000
54-24241	Ambient	Ambient	CO_2 (µg/m^3)	11/10/08	632,000	3/16/09	1,190,000	5/14/09	796,000	7/20/09	997,000
			Freon-11 (µg/m^3)	11/10/08	40.1	3/16/09	298	5/14/09	733	7/20/09	-45
			H_2O (µg/m^3)	11/10/08	4,160,000	3/16/09	47,000,000	5/14/09	34.5[a]	7/20/09	10,200,000
			PCE (µg/m^3)	11/10/08	2550	3/16/09	5640	5/14/09	216	7/20/09	1480
			Pressure Differential (kPa)	11/10/08	0	3/16/09	0	5/14/09	0	7/20/09	0
			TCA (µg/m^3)	11/10/08	-3810	3/16/09	-6600	5/14/09	-4300	7/20/09	-550
			TCE (µg/m^3)	11/10/08	670	3/16/09	2620	5/14/09	-2500	7/20/09	1870
	73	71–74	CO_2 (µg/m^3)	11/10/08	22,100,000	3/16/09	31,800,000	5/14/09	27,300,000	7/20/09	30,800,000
			Freon-11 (µg/m^3)	11/10/08	55,000	3/16/09	36,700	5/14/09	64,200	7/20/09	58,300
			H_2O (µg/m^3)	11/10/08	9,360,000	3/16/09	12,400,000	5/14/09	65.2[a]	7/20/09	15,400,000
			PCE (µg/m^3)	11/10/08	642,000	3/16/09	451,000	5/14/09	499,000	7/20/09	536,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241	73	71–74	Pressure Differential (kPa)	11/10/08	0.05	3/16/09	-0.06	5/14/09	-0.16	7/20/09	0.09
			TCA (µg/m^3)	11/10/08	1,800,000	3/16/09	1,790,000	5/14/09	1,640,000	7/20/09	1,754,000
			TCE (µg/m^3)	11/10/08	352,000	3/16/09	293,000	5/14/09	388,000	7/20/09	374,000
	93	92–94	CO_2 (µg/m^3)	11/10/08	20,500,000	3/16/09	27,300,000	5/14/09	24,400,000	7/20/09	28,900,000
			Freon-11 (µg/m^3)	11/10/08	550,000	3/16/09	32,600	5/14/09	56,200	7/20/09	55,200
			H_2O (µg/m^3)	11/10/08	9,650,000	3/16/09	13,000,000	5/14/09	66.5[a]	7/20/09	15,200,000
			PCE (µg/m^3)	11/10/08	621,000	3/16/09	397,000	5/14/09	451,000	7/20/09	508,000
			Pressure Differential (kPa)	11/10/08	0.08	3/16/09	-0.14	5/14/09	-0.21	7/20/09	0.12
			TCA (µg/m^3)	11/10/08	1,600,000	3/16/09	1,460,000	5/14/09	1,370,000	7/20/09	1,530,000
			TCE (µg/m^3)	11/10/08	340,000	3/16/09	267,000	5/14/09	360,000	7/20/09	360,000
	113	112–114	CO_2 (µg/m^3)	11/10/08	18,900,000	3/16/09	22,900,000	5/14/09	20,600,000	7/20/09	25,500,000
			Freon-11 (µg/m^3)	11/10/08	49,900	3/16/09	24,400	5/14/09	45,100	7/20/09	48,600
			H_2O (µg/m^3)	11/10/08	9,580,000	3/16/09	13,300,000	5/14/09	63.8[a]	7/20/09	15,900,000
			PCE (µg/m^3)	11/10/08	540,000	3/16/09	284,000	5/14/09	332,000	7/20/09	423,000
			Pressure Differential (kPa)	11/10/08	0.12	3/16/09	-0.18	5/14/09	-0.23	7/20/09	0.13
			TCA (µg/m^3)	11/10/08	1,310,000	3/16/09	1,010,000	5/14/09	976,000	7/20/09	1,240,000
			TCE (µg/m^3)	11/10/08	291,000	3/16/09	192,000	5/14/09	273,000	7/20/09	299,000
	133	132–134	CO_2 (µg/m^3)	11/10/08	15,300,000	3/16/09	19,600,000	5/14/09	15,700,000	7/20/09	21,800,000
			Freon-11 (µg/m^3)	11/10/08	46,600	3/16/09	25,900	5/14/09	39,100	7/20/09	46,500
			H_2O (µg/m^3)	11/10/08	9,800,000	3/16/09	13,200,000	5/14/09	60.4[a]	7/20/09	14,000,000
			PCE (µg/m^3)	11/10/08	439,000	3/16/09	276,000	5/14/09	246,000	7/20/09	368,000
			Pressure Differential (kPa)	11/10/08	0.3	3/16/09	-0.26	5/14/09	-0.23	7/20/09	0.14

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241	133	132–134	TCA (µg/m^3)	11/10/08	957,000	3/16/09	904,000	5/14/09	693,000	7/20/09	1,020,000
			TCE (µg/m^3)	11/10/08	233,000	3/16/09	180,000	5/14/09	195,000	7/20/09	255,000
	153	152–154	CO_2 (µg/m^3)	11/10/08	14,600,000	3/16/09	19,200,000	5/14/09	17,300,000	7/20/09	20,800,000
			Freon-11 (µg/m^3)	11/10/08	48,300	3/16/09	26,300	5/14/09	46,600	7/20/09	46,500
			H_2O (µg/m^3)	11/10/08	9,580,000	3/16/09	13,600,000	5/14/09	66.7[a]	7/20/09	15,100,000
			PCE (µg/m^3)	11/10/08	428,000	3/16/09	265,000	5/14/09	298,000	7/20/09	351,000
			Pressure Differential (kPa)	11/10/08	0.38	3/16/09	-0.35	5/14/09	-0.38	7/20/09	0.16
			TCA (µg/m^3)	11/10/08	909,000	3/16/09	834,000	5/14/09	799,000	7/20/09	966,000
			TCE (µg/m^3)	11/10/08	224,000	3/16/09	172,000	5/14/09	245,000	7/20/09	250,000
	173	172–174	CO_2 (µg/m^3)	11/10/08	14,300,000	3/16/09	18,600,000	5/14/09	17,100,000	7/20/09	20,100,000
			Freon-11 (µg/m^3)	11/10/08	48,900	3/16/09	25,300	5/14/09	47,300	7/20/09	49,900
			H_2O (µg/m^3)	11/10/08	9,510,000	3/16/09	13,600,000	5/14/09	66.7[a]	7/20/09	15,300,000
			PCE (µg/m^3)	11/10/08	428,000	3/16/09	248,000	5/14/09	282,000	7/20/09	354,000
			Pressure Differential (kPa)	11/10/08	0.39	3/16/09	-0.36	5/14/09	-0.35	7/20/09	0.17
			TCA (µg/m^3)	11/10/08	904,000	3/16/09	795,000	5/14/09	791,000	7/20/09	952,000
			TCE (µg/m^3)	11/10/08	222,000	3/16/09	166,000	5/14/09	244,000	7/20/09	248,000
	193	192–194	CO_2 (µg/m^3)	11/10/08	14,100,000	3/16/09	19,200,000	5/14/09	16,600,000	7/20/09	19,300,000
			Freon-11 (µg/m^3)	11/10/08	49,800	3/16/09	27,500	5/14/09	50,400	7/20/09	51,700
			H_2O (µg/m^3)	11/10/08	9,510,000	3/16/09	13,800,000	5/14/09	66.8[a]	7/20/09	15,500,000
			PCE (µg/m^3)	11/10/08	423,000	3/16/09	269,000	5/14/09	289,000	7/20/09	347,000
			Pressure Differential (kPa)	11/10/08	0	3/16/09	0.02	5/14/09	0	7/20/09	0
			TCA (µg/m^3)	11/10/08	883,000	3/16/09	843,000	5/14/09	790,000	7/20/09	917,000
			TCE (µg/m^3)	11/10/08	218,000	3/16/09	180,000	5/14/09	247,000	7/20/09	240,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24242	Ambient	Ambient	CO_2 (µg/m^3)	11/7/08	648,000	3/17/09	899,000	5/11/09	908,000	7/16/09	776,000
			Freon-11 (µg/m^3)	11/7/08	384	3/17/09	-47	5/11/09	-684	7/16/09	-1500
			H_2O (µg/m^3)	11/7/08	2,120,000	3/17/09	4,330,000	5/11/09	43.3[a]	7/16/09	5,360,000
			PCE (µg/m^3)	11/7/08	3000	3/17/09	1790	5/11/09	1030	7/16/09	173
			Pressure Differential (kPa)	11/7/08	0	3/17/09	0	5/11/09	0	7/16/09	0
			TCA (µg/m^3)	11/7/08	-2540	3/17/09	-1800	5/11/09	-4400	7/16/09	-1600
			TCE (µg/m^3)	11/7/08	1500	3/17/09	2740	5/11/09	-1700	7/16/09	5570
	25	24–26	CO_2 (µg/m^3)	11/7/08	17,600,000	3/17/09	20,500,000	5/11/09	17,900,000	7/16/09	14,400,000
			Freon-11 (µg/m^3)	11/7/08	15,600	3/17/09	9770	5/11/09	14,200	7/16/09	7640
			H_2O (µg/m^3)	11/7/08	10,700,000	3/17/09	11,900,000	5/11/09	67.9[a]	7/16/09	12,700,000
			PCE (µg/m^3)	11/7/08	1,020,000	3/17/09	541,000	5/11/09	635,000	7/16/09	677,000
			Pressure Differential (kPa)	11/7/08	0.01	3/17/09	0	5/11/09	0.17	7/16/09	0
			TCA (µg/m^3)	11/7/08	524,000	3/17/09	375,000	5/11/09	429,000	7/16/09	312,000
			TCE (µg/m^3)	11/7/08	168,000	3/17/09	98,500	5/11/09	172,000	7/16/09	117,000
	50	49–51	CO_2 (µg/m^3)	11/7/08	16,900,000	3/17/09	23,200,000	5/11/09	19,500,000	7/16/09	8,500,000
			Freon-11 (µg/m^3)	11/7/08	33,300	3/17/09	23,600	5/11/09	33,800	7/16/09	11,500
			H_2O (µg/m^3)	11/7/08	12,300,000	3/17/09	13,000,000	5/11/09	73.1[a]	7/16/09	10,400,000
			PCE (µg/m^3)	11/7/08	686,000	3/17/09	535,000	5/11/09	507,000	7/16/09	193,000
			Pressure Differential (kPa)	11/7/08	0	3/17/09	-0.17	5/11/09	0.12	7/16/09	-0.04
			TCA (µg/m^3)	11/7/08	1,080,000	3/17/09	989,000	5/11/09	904,000	7/16/09	335,000
			TCE (µg/m^3)	11/7/08	266,000	3/17/09	196,000	5/11/09	279,000	7/16/09	84,400
	75	74–76	CO_2 (µg/m^3)	11/7/08	1,7400,000	3/17/09	24,100,000	5/11/09	21,500,000	7/16/09	11,400,000
			Freon-11 (µg/m^3)	11/7/08	29,800	3/17/09	22,300	5/11/09	32,600	7/16/09	12,100

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24242	75	74–76	H_2O (µg/m^3)	11/7/08	11,300,000	3/17/09	12,600,000	5/11/09	64.7[a]	7/16/09	9,900,000
			PCE (µg/m^3)	11/7/08	807,000	3/17/09	674,000	5/11/09	681,000	7/16/09	327,000
			Pressure Differential (kPa)	11/7/08	0.02	3/17/09	-0.08	5/11/09	0.12	7/16/09	0
			TCA (µg/m^3)	11/7/08	989,000	3/17/09	905,000	5/11/09	960,000	7/16/09	435,000
			TCE (µg/m^3)	11/7/08	253,000	3/17/09	184,000	5/11/09	310,000	7/16/09	129,000
	100	99–101	CO_2 (µg/m^3)	11/7/08	17,900,000	3/17/09	24,700,000	5/11/09	21,400,000	7/16/09	15,000,000
			Freon-11 (µg/m^3)	11/7/08	24,300	3/17/09	18,200	5/11/09	20,300	7/16/09	11,100
			H_2O (µg/m^3)	11/7/08	11,400,000	3/17/09	12,800,000	5/11/09	66.4[a]	7/16/09	11,900,000
			PCE (µg/m^3)	11/7/08	966,000	3/17/09	762,000	5/11/09	727,000	7/16/09	511,000
			Pressure Differential (kPa)	11/7/08	0.02	3/17/09	-0.03	5/11/09	0.08	7/16/09	0.02
			TCA (µg/m^3)	11/7/08	803,000	3/17/09	741,000	5/11/09	759,000	7/16/09	496,000
			TCE (µg/m^3)	11/7/08	226,000	3/17/09	167,000	5/11/09	290,000	7/16/09	170,000
	110.5	109.5–111.5	CO_2 (µg/m^3)	11/7/08	16,500,000	3/17/09	20,600,000	5/11/09	20,500,000	7/16/09	8,890,000
			Freon-11 (µg/m^3)	11/7/08	33,400	3/17/09	19,000	5/11/09	34,000	7/16/09	11,300
			H_2O (µg/m^3)	11/7/08	11,700,000	3/17/09	13,000,000	5/11/09	64.9[a]	7/16/09	8,770,000
			PCE (µg/m^3)	11/7/08	666,000	3/17/09	497,000	5/11/09	330,000	7/16/09	200,000
			Pressure Differential (kPa)	11/7/08	0	3/17/09	-0.15	5/11/09	0.13	7/16/09	-0.04
			TCA (µg/m^3)	11/7/08	1,080,000	3/17/09	1,020,000	5/11/09	1,040,000	7/16/09	381,000
			TCE (µg/m^3)	11/7/08	266,000	3/17/09	217,000	5/11/09	333,000	7/16/09	106,000
54-24243	Ambient	Ambient	CO_2 (µg/m^3)	11/14/08	644,000	3/19/09	953,000	5/15/09	835,000	7/23/09	1,320,000
			Freon-11 (µg/m^3)	11/14/08	-550	3/19/09	82	5/15/09	1980	7/23/09	-477
			H_2O (µg/m^3)	11/14/08	5,820,000	3/19/09	6,920,000	5/15/09	29.2[a]	7/23/09	12,500,000
			PCE (µg/m^3)	11/14/08	5150	3/19/09	4310	5/15/09	441	7/23/09	3770

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24243	Ambient	Ambient	Pressure Differential (kPa)	11/14/08	0	3/19/09	0	5/15/09	0	7/23/09	0
			TCA (µg/m^3)	11/14/08	-7440	3/19/09	-3100	5/15/09	1470	7/23/09	-2300
			TCE (µg/m^3)	11/14/08	8730	3/19/09	3190	5/15/09	-8000	7/23/09	411,000
	25	24–26	CO_2 (µg/m^3)	11/14/08	21,200,000	3/19/09	28,800,000	5/15/09	24,100,000	7/23/09	26,100,000
			Freon-11 (µg/m^3)	11/14/08	54,300	3/19/09	48,400	5/15/09	91,300	7/23/09	89,200
			H_2O (µg/m^3)	11/14/08	11,000,000	3/19/09	13,000,000	5/15/09	62.6[a]	7/23/09	16,700,000
			PCE (µg/m^3)	11/14/08	504,000	3/19/09	454,000	5/15/09	539,000	7/23/09	660,000
			Pressure Differential (kPa)	11/14/08	-0.02	3/19/09	0	5/15/09	0.02	7/23/09	0.04
			TCA (µg/m^3)	11/14/08	1,010,000	3/19/09	995,000	5/15/09	901,000	7/23/09	894,000
			TCE (µg/m^3)	11/14/08	202,000	3/19/09	156,000	5/15/09	232,000	7/23/09	187,000
	50	49–51	CO_2 (µg/m^3)	11/14/08	24,700,000	3/19/09	36,100,000	5/15/09	30,100,000	7/23/09	31,900,000
			Freon-11 (µg/m^3)	11/14/08	92,200	3/19/09	90,900	5/15/09	171,000	7/23/09	177,000
			H_2O (µg/m^3)	11/14/08	14,300,000	3/19/09	12,800,000	5/15/09	61.8[a]	7/23/09	14,000,000
			PCE (µg/m^3)	11/14/08	855,000	3/19/09	859,000	5/15/09	1,040,000	7/23/09	1,300,000
			Pressure Differential (kPa)	11/14/08	-0.02	3/19/09	0	5/15/09	0.02	7/23/09	0.04
			TCA (µg/m^3)	11/14/08	1,560,000	3/19/09	1,590,000	5/15/09	1,490,000	7/23/09	1,490,000
			TCE (µg/m^3)	11/14/08	324,000	3/19/09	215,000	5/15/09	365,000	7/23/09	295,000
	75	74–76	CO_2 (µg/m^3)	11/14/08	23,400,000	3/19/09	35,500,000	5/15/09	28,400,000	7/23/09	30,300,000
			Freon-11 (µg/m^3)	11/14/08	91,600	3/19/09	85,300	5/15/09	130,000	7/23/09	130,000
			H_2O (µg/m^3)	11/14/08	13,900,000	3/19/09	13,500,000	5/15/09	65.8[a]	7/23/09	21,500,000
			PCE (µg/m^3)	11/14/08	800,000	3/19/09	775,000	5/15/09	755,000	7/23/09	926,000
			Pressure Differential (kPa)	11/14/08	-0.06	3/19/09	0	5/15/09	0	7/23/09	0.06

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24243	75	74–76	TCA (µg/m^3)	11/14/08	1,690,000	3/19/09	1,810,000	5/15/09	1,610,000	7/23/09	1,620,000
			TCE (µg/m^3)	11/14/08	362,000	3/19/09	277,000	5/15/09	424,000	7/23/09	348,000
	100	99–101	CO_2 (µg/m^3)	11/14/08	20,300,000	3/19/09	31,400,000	5/15/09	26,300,000	7/23/09	29,000,000
			Freon-11 (µg/m^3)	11/14/08	75,000	3/19/09	69,200	5/15/09	104,000	7/23/09	103,000
			H_2O (µg/m^3)	11/14/08	13,300,000	3/19/09	12,600,000	5/15/09	61.3[a]	7/23/09	14,300,000
			PCE (µg/m^3)	11/14/08	624,000	3/19/09	590,000	5/15/09	572,000	7/23/09	676,000
			Pressure Differential (kPa)	11/14/08	-0.2	3/19/09	-0.12	5/15/09	0.02	7/23/09	0.07
			TCA (µg/m^3)	11/14/08	1,520,000	3/19/09	1,720,000	5/15/09	1,610,000	7/23/09	1,690,000
			TCE (µg/m^3)	11/14/08	324,000	3/19/09	282,000	5/15/09	428,000	7/23/09	374,000
	125	124–126	CO_2 (µg/m^3)	11/14/08	17,700,000	3/19/09	28,000,000	5/15/09	23,100,000	7/23/09	24,600,000
			Freon-11 (µg/m^3)	11/14/08	67,000	3/19/09	61,500	5/15/09	90,400	7/23/09	81,800
			H_2O (µg/m^3)	11/14/08	13,100,000	3/19/09	13,300,000	5/15/09	63.4[a]	7/23/09	14,900,000
			PCE (µg/m^3)	11/14/08	494,000	3/19/09	488,000	5/15/09	455,000	7/23/09	495,000
			Pressure Differential (kPa)	11/14/08	-0.21	3/19/09	-0.1	5/15/09	0	7/23/09	0.07
			TCA (µg/m^3)	11/14/08	1,340,000	3/19/09	1,550,000	5/15/09	1,440,000	7/23/09	1,430,000
			TCE (µg/m^3)	11/14/08	287,000	3/19/09	260,000	5/15/09	383,000	7/23/09	322,000
54-24399	Ambient	Ambient	CO_2 (µg/m^3)	12/2/08	578,000	3/22/09	904,000	5/11/09	784,000	8/12/09	811,000
			Freon-11 (µg/m^3)	12/2/08	-103	3/22/09	-32.5	5/11/09	-718	8/12/09	-359
			H_2O (µg/m^3)	12/2/08	4,810,000	3/22/09	5,190,000	5/11/09	28.6[a]	8/12/09	11,300,000
			PCE (µg/m^3)	12/2/08	765	3/22/09	4160	5/11/09	-4300	8/12/09	-3100
			Pressure Differential (kPa)	12/2/08	0	3/22/09	0	5/11/09	0	8/12/09	0
			TCA (µg/m^3)	12/2/08	-2590	3/22/09	-1300	5/11/09	-2800	8/12/09	195
			TCE (µg/m^3)	12/2/08	1390	3/22/09	3100	5/11/09	-173	8/12/09	5230

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24399	550	550–608	CO_2 (µg/m^3)	12/2/08	2,000,000	3/22/09	3,070,000	5/11/09	2,250,000	8/12/09	1,470,000
			Freon-11 (µg/m^3)	12/2/08	269	3/22/09	-68	5/11/09	-714	8/12/09	1670
			H_2O (µg/m^3)	12/2/08	13,300,000	3/22/09	14,000,000	5/11/09	62.4[a]	8/12/09	24,700,000
			PCE (µg/m^3)	12/2/08	3180	3/22/09	2890	5/11/09	-492	8/12/09	4460
			Pressure Differential (kPa)	12/2/08	0.26	3/22/09	0.04	5/11/09	0.05	8/12/09	-0.04
			TCA (µg/m^3)	12/2/08	-1400	3/22/09	-9500	5/11/09	-1800	8/12/09	1590
			TCE (µg/m^3)	12/2/08	3480	3/22/09	2610	5/11/09	1660	8/12/09	4200
54-27641	Ambient	Ambient	CO_2 (µg/m^3)	11/10/08	617,000	3/13/09	1,020,000	5/13/09	2,050,000	8/17/09	933,000
			Freon-11 (µg/m^3)	11/10/08	-63	3/13/09	165	5/13/09	2670	8/17/09	333
			H_2O (µg/m^3)	11/10/08	3,520,000	3/13/09	6,500,000	5/13/09	39.1[a]	8/17/09	4,760,000
			PCE (µg/m^3)	11/10/08	980	3/13/09	4840	5/13/09	15,000	8/17/09	462
			Pressure Differential (kPa)	11/10/08	0	3/13/09	0	5/13/09	0	8/17/09	0
			TCA (µg/m^3)	11/10/08	-2020	3/13/09	-4400	5/13/09	-10,000	8/17/09	241
			TCE (µg/m^3)	11/10/08	2490	3/13/09	3790	5/13/09	8420	8/17/09	1800
	32	29.5–34.5	CO_2 (µg/m^3)	11/10/08	18,200,000	3/13/09	24,000,000	5/13/09	18,500,000	8/17/09	24,100,000
			Freon-11 (µg/m^3)	11/10/08	24,000	3/13/09	23,100	5/13/09	14,400	8/17/09	27,400
			H_2O (µg/m^3)	11/10/08	8,400,000	3/13/09	8,140,000	5/13/09	63[a]	8/17/09	15,700,000
			PCE (µg/m^3)	11/10/08	432,000	3/13/09	367,000	5/13/09	334,000	8/17/09	410,000
			Pressure Differential (kPa)	11/10/08	0	3/13/09	0	5/13/09	0	8/17/09	0
			TCA (µg/m^3)	11/10/08	1,480,000	3/13/09	2,520,000	5/13/09	2,070,000	8/17/09	2,030,000
			TCE (µg/m^3)	11/10/08	643,000	3/13/09	629,000	5/13/09	761,000	8/17/09	721,000
	82	79.5–84.5	CO_2 (µg/m^3)	11/10/08	12,800,000	3/13/09	20,500,000	5/13/09	16,500,000	8/17/09	18,200,000
			Freon-11 (µg/m^3)	11/10/08	19,500	3/13/09	17,700	5/13/09	16,100	8/17/09	22,100

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641	82	79.5–84.5	H_2O (µg/m^3)	11/10/08	9,140,000	3/13/09	8,280,000	5/13/09	64[a]	8/17/09	14,900,000
			PCE (µg/m^3)	11/10/08	365,000	3/13/09	340,000	5/13/09	298,000	8/17/09	358,000
			Pressure Differential (kPa)	11/10/08	0	3/13/09	0	5/13/09	0.02	8/17/09	0
			TCA (µg/m^3)	11/10/08	1,390,000	3/13/09	1,720,000	5/13/09	1,510,000	8/17/09	1,550,000
			TCE (µg/m^3)	11/10/08	267,000	3/13/09	279,000	5/13/09	389,000	8/17/09	344,000
	115	112.5–117.5	CO_2 (µg/m^3)	11/10/08	11,800,000	3/13/09	18,900,000	5/13/09	15,400,000	8/17/09	16,700,000
			Freon-11 (µg/m^3)	11/10/08	15,400	3/13/09	13,700	5/13/09	15,600	8/17/09	16,000
			H_2O (µg/m^3)	11/10/08	9,210,000	3/13/09	8,290,000	5/13/09	63.8[a]	8/17/09	14,200,000
			PCE (µg/m^3)	11/10/08	236,000	3/13/09	216,000	5/13/09	196,000	8/17/09	224,000
			Pressure Differential (kPa)	11/10/08	0	3/13/09	0.04	5/13/09	0.02	8/17/09	-0.08
			TCA (µg/m^3)	11/10/08	1,300,000	3/13/09	1,450,000	5/13/09	1,270,000	8/17/09	1,270,000
			TCE (µg/m^3)	11/10/08	235,000	3/13/09	230,000	5/13/09	307,000	8/17/09	276,000
	182	179.5–184.5	CO_2 (µg/m^3)	11/10/08	9,740,000	3/13/09	15,100,000	5/13/09	12,200,000	8/17/09	13,100,000
			Freon-11 (µg/m^3)	11/10/08	12,400	3/13/09	10,500	5/13/09	12,600	8/17/09	14,700
			H_2O (µg/m^3)	11/10/08	9,070,000	3/13/09	8,170,000	5/13/09	64.1[a]	8/17/09	14,400,000
			PCE (µg/m^3)	11/10/08	112,000	3/13/09	93,100	5/13/09	86,800	8/17/09	95,800
			Pressure Differential (kPa)	11/10/08	0	3/13/09	0.11	5/13/09	0.16	8/17/09	-0.06
			TCA (µg/m^3)	11/10/08	845,000	3/13/09	1,000,000	5/13/09	857,000	8/17/09	862,000
			TCE (µg/m^3)	11/10/08	170,000	3/13/09	167,000	5/13/09	212,000	8/17/09	184,000
	232	229.5–234.5	CO_2 (µg/m^3)	11/10/08	8,500,000	3/13/09	13,100,000	5/13/09	11,000,000	8/17/09	11,900,000
			Freon-11 (µg/m^3)	11/10/08	10,500	3/13/09	8750	5/13/09	13,400	8/17/09	13,700
			H_2O (µg/m^3)	11/10/08	8,990,000	3/13/09	8,130,000	5/13/09	62.3[a]	8/17/09	14,000,000
			PCE (µg/m^3)	11/10/08	83,400	3/13/09	69,500	5/13/09	63,600	8/17/09	76,500

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641	232	229.5–234.5	Pressure Differential (kPa)	11/10/08	2.5	3/13/09	0.12	5/13/09	0.2	8/17/09	-0.05
			TCA (µg/m^3)	11/10/08	440,000	3/13/09	494,000	5/13/09	477,000	8/17/09	506,000
			TCE (µg/m^3)	11/10/08	104,000	3/13/09	97,800	5/13/09	131,000	8/17/09	120,000
	271	268.5–273.5	CO_2 (µg/m^3)	11/10/08	6,770,000	3/13/09	10,500,000	5/13/09	8,460,000	8/17/09	9,010,000
			Freon-11 (µg/m^3)	11/10/08	7100	3/13/09	5810	5/13/09	8050	8/17/09	8050
			H_2O (µg/m^3)	11/10/08	8,770,000	3/13/09	8,170,000	5/13/09	63.8[a]	8/17/09	13,900,000
			PCE (µg/m^3)	11/10/08	52,800	3/13/09	44,400	5/13/09	40,800	8/17/09	45,100
			Pressure Differential (kPa)	11/10/08	0	3/13/09	0.12	5/13/09	0.2	8/17/09	-0.04
			TCA (µg/m^3)	11/10/08	160,000	3/13/09	162,000	5/13/09	180,000	8/17/09	192,000
			TCE (µg/m^3)	11/10/08	48,800	3/13/09	42,800	5/13/09	57,800	8/17/09	53,800
	332.5	330–335	CO_2 (µg/m^3)	11/10/08	3,980,000	3/13/09	6,130,000	5/13/09	4,970,000	8/17/09	5,150,000
			Freon-11 (µg/m^3)	11/10/08	1120	3/13/09	671	5/13/09	-265	8/17/09	2370
			H_2O (µg/m^3)	11/10/08	9,290,000	3/13/09	8,090,000	5/13/09	63.7[a]	8/17/09	13,700,000
			PCE (µg/m^3)	11/10/08	10,200	3/13/09	11,000	5/13/09	14,000	8/17/09	7330
			Pressure Differential (kPa)	11/10/08	0	3/13/09	0.12	5/13/09	0.15	8/17/09	-0.07
			TCA (µg/m^3)	11/10/08	-3280	3/13/09	-20,000	5/13/09	6320	8/17/09	16,100
			TCE (µg/m^3)	11/10/08	9430	3/13/09	8500	5/13/09	13,900	8/17/09	8460
54-27642	Ambient	Ambient	CO_2 (µg/m^3)	11/6/08	455,000	3/15/09	1,110,000	5/7/09	777,000	7/21/09	770,000
			Freon-11 (µg/m^3)	11/6/08	3020	3/15/09	68.7	5/7/09	-191	7/21/09	-857
			H_2O (µg/m^3)	11/6/08	1,050,000	3/15/09	7,770,000	5/7/09	33[a]	7/21/09	11,500,000
			PCE (µg/m^3)	11/6/08	250	3/15/09	5140	5/7/09	-1400	7/21/09	-753
			Pressure Differential (kPa)	11/6/08	0	3/15/09	0	5/7/09	0	7/21/09	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642	Ambient	Ambient	TCA (µg/m^3)	11/6/08	2860	3/15/09	-3800	5/7/09	-3400	7/21/09	-5900
			TCE (µg/m^3)	11/6/08	-1580	3/15/09	3870	5/7/09	-2000	7/21/09	613
	30	27.5–32.5	CO_2 (µg/m^3)	11/6/08	30,100,000	3/15/09	42,100,000	5/7/09	35,600,000	7/21/09	35,600,000
			Freon-11 (µg/m^3)	11/6/08	326,000	3/15/09	232,000	5/7/09	328,000	7/21/09	260,000
			H_2O (µg/m^3)	11/6/08	9,430,000	3/15/09	12,700,000	5/7/09	62.9[a]	7/21/09	15,100,000
			PCE (µg/m^3)	11/6/08	3,180,000	3/15/09	2,360,000	5/7/09	1,980,000	7/21/09	2,000,000
			Pressure Differential (kPa)	11/6/08	0	3/15/09	-0.02	5/7/09	0	7/21/09	0
			TCA (µg/m^3)	11/6/08	3,420,000	3/15/09	3,690,000	5/7/09	3,000,000	7/21/09	2,530,000
			TCE (µg/m^3)	11/6/08	-32.1	3/15/09	-165,000	5/7/09	183,000	7/21/09	96,400
	75	71.5–76.5	CO_2 (µg/m^3)	11/6/08	22,300,000	3/15/09	33,800,000	5/7/09	36,100,000	7/21/09	27,200,000
			Freon-11 (µg/m^3)	11/6/08	99,600	3/15/09	84,700	5/7/09	333,000	7/21/09	108,000
			H_2O (µg/m^3)	11/6/08	9,950,000	3/15/09	11,500,000	5/7/09	63.6[a]	7/21/09	14,600,000
			PCE (µg/m^3)	11/6/08	758,000	3/15/09	681,000	5/7/09	2,000,000	7/21/09	693,000
			Pressure Differential (kPa)	11/6/08	0	3/15/09	0	5/7/09	0.06	7/21/09	-0.02
			TCA (µg/m^3)	11/6/08	2,010,000	3/15/09	2,200,000	5/7/09	3,020,000	7/21/09	1,770,000
			TCE (µg/m^3)	11/6/08	401,000	3/15/09	333,000	5/7/09	180,000	7/21/09	373,000
	116	114.5–119.5	CO_2 (µg/m^3)	11/6/08	28,600,000	3/15/09	40,300,000	5/7/09	36,700,000	7/21/09	35,800,000
			Freon-11 (µg/m^3)	11/6/08	160,000	3/15/09	140,000	5/7/09	252,000	7/21/09	200,000
			H_2O (µg/m^3)	11/6/08	10,400,000	3/15/09	12,200,000	5/7/09	63.8[a]	7/21/09	15,200,000
			PCE (µg/m^3)	11/6/08	1,470,000	3/15/09	1,330,000	5/7/09	1480	7/21/09	1,470,000
			Pressure Differential (kPa)	11/6/08	0	3/15/09	-0.04	5/7/09	0.09	7/21/09	0
			TCA (µg/m^3)	11/6/08	2,890,000	3/15/09	2,780,000	5/7/09	2,890,000	7/21/09	2,560,000
			TCE (µg/m^3)	11/6/08	372,000	3/15/09	156,000	5/7/09	476,000	7/21/09	349,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642	175	172.5–177.5	CO_2 (µg/m^3)	11/6/08	14,800,000	3/15/09	22,400,000	5/7/09	18,800,000	7/21/09	17,200,000
			Freon-11 (µg/m^3)	11/6/08	86,500	3/15/09	72,900	5/7/09	112,000	7/21/09	84,000
			H_2O (µg/m^3)	11/6/08	9,580,000	3/15/09	11,500,000	5/7/09	63.1[a]	7/21/09	14,300,000
			PCE (µg/m^3)	11/6/08	537,000	3/15/09	468,000	5/7/09	436,000	7/21/09	396,000
			Pressure Differential (kPa)	11/6/08	0.03	3/15/09	0.16	5/7/09	0	7/21/09	0
			TCA (µg/m^3)	11/6/08	1,420,000	3/15/09	1,520,000	5/7/09	1,430,000	7/21/09	1,200,000
			TCE (µg/m^3)	11/6/08	291,000	3/15/09	254,000	5/7/09	370,000	7/21/09	261,000
	235	232.5–237.5	CO_2 (µg/m^3)	11/6/08	11,200,000	3/15/09	17,300,000	5/7/09	14,400,000	7/21/09	13,200,000
			Freon-11 (µg/m^3)	11/6/08	76,200	3/15/09	62,900	5/7/09	98,400	7/21/09	74,600
			H_2O (µg/m^3)	11/6/08	8,550,000	3/15/09	11,300,000	5/7/09	62.8[a]	7/21/09	13,600,000
			PCE (µg/m^3)	11/6/08	437,000	3/15/09	389,000	5/7/09	357,000	7/21/09	327,000
			Pressure Differential (kPa)	11/6/08	0.06	3/15/09	0.19	5/7/09	0	7/21/09	0.02
			TCA (µg/m^3)	11/6/08	851,000	3/15/09	920,000	5/7/09	880,000	7/21/09	742,000
			TCE (µg/m^3)	11/6/08	192,000	3/15/09	174,000	5/7/09	259,000	7/21/09	184,000
	275	272.5–277.5	CO_2 (µg/m^3)	11/6/08	9,000,000	3/15/09	13,900,000	5/7/09	10,800,000	7/21/09	10,000,000
			Freon-11 (µg/m^3)	11/6/08	56,500	3/15/09	48,000	5/7/09	71,300	7/21/09	52,700
			H_2O (µg/m^3)	11/6/08	8,550,000	3/15/09	11,800,000	5/7/09	58.7[a]	7/21/09	13,900,000
			PCE (µg/m^3)	11/6/08	339,000	3/15/09	298,000	5/7/09	255,000	7/21/09	235,000
			Pressure Differential (kPa)	11/6/08	0.08	3/15/09	0.18	5/7/09	0	7/21/09	0.05
			TCA (µg/m^3)	11/6/08	490,000	3/15/09	526,000	5/7/09	483,000	7/21/09	407,000
			TCE (µg/m^3)	11/6/08	133,000	3/15/09	114,000	5/7/09	160,000	7/21/09	127,000
	338	335.5–340.5	CO_2 (µg/m^3)	11/6/08	4,660,000	3/15/09	7,080,000	5/7/09	5,610,000	7/21/09	5,200,000
			Freon-11 (µg/m^3)	11/6/08	16,900	3/15/09	12,900	5/7/09	19,400	7/21/09	14,300

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642	338	335.5–340.5	H_2O (µg/m^3)	11/6/08	8,620,000	3/15/09	12,400,000	5/7/09	61.2[a]	7/21/09	14,000,000
			PCE (µg/m^3)	11/6/08	96,600	3/15/09	86,400	5/7/09	67,200	7/21/09	70,000
			Pressure Differential (kPa)	11/6/08	0	3/15/09	0.11	5/7/09	0.04	7/21/09	-0.03
			TCA (µg/m^3)	11/6/08	78,700	3/15/09	77,900	5/7/09	78,400	7/21/09	77,700
			TCE (µg/m^3)	11/6/08	33,400	3/15/09	28,300	5/7/09	34,000	7/21/09	28,200
54-27643	Ambient	Ambient	CO_2 (µg/m^3)	11/21/08	886,000	3/17/09	893,000	5/15/09	813,000	7/23/09	816,000
			Freon-11 (µg/m^3)	11/21/08	-636	3/17/09	-32	5/15/09	44.7	7/23/09	171
			H_2O (µg/m^3)	11/21/08	3,210,000	3/17/09	4,430,000	5/15/09	33.2[a]	7/23/09	13,200,000
			PCE (µg/m^3)	11/21/08	960	3/17/09	4670	5/15/09	-1400	7/23/09	716
			Pressure Differential (kPa)	11/21/08	0	3/17/09	0	5/15/09	0	7/23/09	0
			TCA (µg/m^3)	11/21/08	-2290	3/17/09	-2700	5/15/09	-1800	7/23/09	1850
			TCE (µg/m^3)	11/21/08	3410	3/17/09	3480	5/15/09	-380	7/23/09	434
	30	27.5–32.5	CO_2 (µg/m^3)	11/21/08	12,500,000	3/17/09	16,700,000	5/15/09	14,500,000	7/23/09	16,700,000
			Freon-11 (µg/m^3)	11/21/08	18,300	3/17/09	17,400	5/15/09	32,200	7/23/09	28,700
			H_2O (µg/m^3)	11/21/08	7,960,000	3/17/09	12,200,000	5/15/09	59.7[a]	7/23/09	13,300,000
			PCE (µg/m^3)	11/21/08	154,000	3/17/09	154,000	5/15/09	175,000	7/23/09	200,000
			Pressure Differential (kPa)	11/21/08	0.03	3/17/09	0.04	5/15/09	0	7/23/09	0
			TCA (µg/m^3)	11/21/08	454,000	3/17/09	478,000	5/15/09	454,000	7/23/09	460,000
			TCE (µg/m^3)	11/21/08	71,800	3/17/09	49,500	5/15/09	78,200	7/23/09	66,900
	74	71.5–76.5	CO_2 (µg/m^3)	11/21/08	12,500,000	3/17/09	19,100,000	5/15/09	15,900,000	7/23/09	16,700,000
			Freon-11 (µg/m^3)	11/21/08	27,000	3/17/09	21,500	5/15/09	37,000	7/23/09	34,300
			H_2O (µg/m^3)	11/21/08	8,700,000	3/17/09	10,600,000	5/15/09	60.2[a]	7/23/09	13,600,000
			PCE (µg/m^3)	11/21/08	211,000	3/17/09	179,000	5/15/09	187,000	7/23/09	217,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643	74	71.5–76.5	Pressure Differential (kPa)	11/21/08	0.06	3/17/09	0	5/15/09	-0.04	7/23/09	0
			TCA (µg/m^3)	11/21/08	601,000	3/17/09	668,000	5/15/09	618,000	7/23/09	624,000
			TCE (µg/m^3)	11/21/08	112,000	3/17/09	100,000	5/15/09	141,000	7/23/09	118,000
	117	114.5–119.5	CO_2 (µg/m^3)	11/21/08	11,500,000	3/17/09	17,700,000	5/15/09	14,700,000	7/23/09	15,700,000
			Freon-11 (µg/m^3)	11/21/08	35,700	3/17/09	28,300	5/15/09	44,700	7/23/09	40,300
			H_2O (µg/m^3)	11/21/08	8,250,000	3/17/09	10,700,000	5/15/09	59.5[a]	7/23/09	13,400,000
			PCE (µg/m^3)	11/21/08	229,000	3/17/09	190,000	5/15/09	194,000	7/23/09	205,000
			Pressure Differential (kPa)	11/21/08	0.07	3/17/09	-0.12	5/15/09	-0.09	7/23/09	-0.06
			TCA (µg/m^3)	11/21/08	659,000	3/17/09	716,000	5/15/09	652,000	7/23/09	669,000
			TCE (µg/m^3)	11/21/08	124,000	3/17/09	112,000	5/15/09	153,000	7/23/09	135,000
	167	164.5–169.5	CO_2 (µg/m^3)	11/21/08	9,410,000	3/17/09	14,800,000	5/15/09	12,100,000	7/23/09	12,700,000
			Freon-11 (µg/m^3)	11/21/08	42,700	3/17/09	36,400	5/15/09	55,100	7/23/09	48,700
			H_2O (µg/m^3)	11/21/08	8,700,000	3/17/09	10,300,000	5/15/09	60.9[a]	7/23/09	13,600,000
			PCE (µg/m^3)	11/21/08	252,000	3/17/09	223,000	5/15/09	213,000	7/23/09	220,000
			Pressure Differential (kPa)	11/21/08	0	3/17/09	-0.31	5/15/09	-0.12	7/23/09	-0.07
			TCA (µg/m^3)	11/21/08	617,000	3/17/09	698,000	5/15/09	627,000	7/23/09	624,000
			TCE (µg/m^3)	11/21/08	117,000	3/17/09	114,000	5/15/09	159,000	7/23/09	131,000
	235	232.5–237.5	CO_2 (µg/m^3)	11/21/08	7,420,000	3/17/09	11,600,000	5/15/09	10,500,000	7/23/09	11,300,000
			Freon-11 (µg/m^3)	11/21/08	40,300	3/17/09	34,200	5/15/09	59,400	7/23/09	54,300
			H_2O (µg/m^3)	11/21/08	8,770,000	3/17/09	9,900,000	5/15/09	60[a]	7/23/09	13,000,000
			PCE (µg/m^3)	11/21/08	236,000	3/17/09	211,000	5/15/09	219,000	7/23/09	239,000
			Pressure Differential (kPa)	11/21/08	0	3/17/09	-0.41	5/15/09	-0.13	7/23/09	-0.09

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643	235	232.5–237.5	TCA (µg/m^3)	11/21/08	425,000	3/17/09	477,000	5/15/09	488,000	7/23/09	501,000
			TCE (µg/m^3)	11/21/08	92,200	3/17/09	87,200	5/15/09	136,000	7/23/09	117,000
	275	272.5–277.5	CO_2 (µg/m^3)	11/21/08	5,940,000	3/17/09	9,710,000	5/15/09	8,170,000	7/23/09	8,410,000
			Freon-11 (µg/m^3)	11/21/08	30,500	3/17/09	27,000	5/15/09	45,000	7/23/09	38,500
			H_2O (µg/m^3)	11/21/08	8,400,000	3/17/09	9,980,000	5/15/09	59.7[a]	7/23/09	13,400,000
			PCE (µg/m^3)	11/21/08	178,000	3/17/09	169,000	5/15/09	164,000	7/23/09	166,000
			Pressure Differential (kPa)	11/21/08	0	3/17/09	-0.38	5/15/09	-0.12	7/23/09	-0.09
			TCA (µg/m^3)	11/21/08	238,000	3/17/09	291,000	5/15/09	272,000	7/23/09	269,000
			TCE (µg/m^3)	11/21/08	61,100	3/17/09	57,800	5/15/09	86,500	7/23/09	70,200
	354	351.5–356.5	CO_2 (µg/m^3)	11/21/08	3,470,000	3/17/09	5,870,000	5/15/09	4,880,000	7/23/09	4,910,000
			Freon-11 (µg/m^3)	11/21/08	8700	3/17/09	8030	5/15/09	13,300	7/23/09	11,400
			H_2O (µg/m^3)	11/21/08	8,110,000	3/17/09	10,100,000	5/15/09	58.6[a]	7/23/09	13,200,000
			PCE (µg/m^3)	11/21/08	53,200	3/17/09	54,300	5/15/09	47,700	7/23/09	51,800
			Pressure Differential (kPa)	11/21/08	0.09	3/17/09	-0.12	5/15/09	-0.1	7/23/09	-0.07
			TCA (µg/m^3)	11/21/08	32,100	3/17/09	44,600	5/15/09	47,400	7/23/09	45,700
			TCE (µg/m^3)	11/21/08	14,200	3/17/09	12,300	5/15/09	18,000	7/23/09	16,000

Note: B&K detection threshold is gas dependent, reliable values are typically above 1 ppm (1000 to 7000 µg/m^3 depending on the analyte).

[a] Units measured in dew point (Tdew).

[b] Partially blocked port. Results may not be representative of sample depth.

[c] NS = Not sampled.

[d] Blocked port. Results may not be representative of sample depth.

[e] Port may be blocked or partially blocked. Results may not be representative of sample depth.

Table 5.0-1
Pore-Gas VOCs Detected at MDA L, Fourth Quarter FY2009 and Three Previous Quarters

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02001	40	37.5–42.5	Chloroform	11/14/08	920	4500	3/10/09	730	3600	5/5/09	1000	4900	8/18/09	ND[a]	ND
			Dichlorodifluoromethane	11/14/08	1400	7000	3/10/09	990	4900	5/5/09	1000	5100	8/18/09	ND	ND
			Dichloroethane[1,1-]	11/14/08	8200	33,000	3/10/09	7100	29,000	5/5/09	9700	39,000	8/18/09	8300	34,000
			Dichloroethane[1,2-]	11/14/08	16,000	67,000	3/10/09	13,000	54,000	5/5/09	18,000	73,000	8/18/09	18,000	71,000
			Dichloroethene[1,1-]	11/14/08	21,000	83,000	3/10/09	2500	10,000	5/5/09	3100	12,000	8/18/09	6900	27,000
			Dichloropropane[1,2-]	11/14/08	480	2200	3/10/09	380	1800	5/5/09	540	2500	8/18/09	ND	ND
			Hexane	11/14/08	450	1600	3/10/09	ND	ND	5/5/09	ND	ND	8/18/09	ND	ND
			Methylene Chloride	11/14/08	7400	26,000	3/10/09	4600	16,000	5/5/09	6300	22,000	8/18/09	4800	17,000
			Tetrachloroethene	11/14/08	22,000	150,000	3/10/09	18,000	120,000	5/5/09	23,000	160,000	8/18/09	23,000	160,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/14/08	3900	30,000	3/10/09	3100	24,000	5/5/09	5700	43,000	8/18/09	6300	48,000
			Trichloroethane[1,1,1-]	11/14/08	180,000	980,000	3/10/09	190,000	1,000,000	5/5/09	240,000	1,300,000	8/18/09	220,000	1,200,000
			Trichloroethene	11/14/08	64,000	340,000	3/10/09	59,000	320,000	5/5/09	74,000	400,000	8/18/09	71,000	380,000
			Trichlorofluoromethane	11/14/08	1400	7900	3/10/09	920	5100	5/5/09	1300	7300	8/18/09	ND	ND
	80	77.5–82.5	Chloroform	11/14/08	980	4800	3/10/09	1100	5400	5/5/09	1000	4900	8/18/09	ND	ND
			Dichlorodifluoromethane	11/14/08	1500	7500	3/10/09	1600	8000	5/5/09	1100	5600	8/18/09	ND	ND
			Dichloroethane[1,1-]	11/14/08	7900	32,000	3/10/09	8100	33,000	5/5/09	7600	31,000	8/18/09	2300	9200
			Dichloroethane[1,2-]	11/14/08	16,000	64,000	3/10/09	16,000	65,000	5/5/09	15,000	61,000	8/18/09	4300	18,000
			Dichloroethene[1,1-]	11/14/08	22,000	89,000	3/10/09	4100	16,000	5/5/09	3900	16,000	8/18/09	2200	8700
			Dichloropropane[1,2-]	11/14/08	670	3100	3/10/09	720	3400	5/5/09	680	3200	8/18/09	ND	ND
			Methylene Chloride	11/14/08	12,000	40,000	3/10/09	11,000	38,000	5/5/09	9500	33,000	8/18/09	ND	ND
			Tetrachloroethene	11/14/08	21,000	140,000	3/10/09	22,000	150,000	5/5/09	21,000	140,000	8/18/09	5600	38,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/14/08	3300	26,000	3/10/09	3600	28,000	5/5/09	3800	30,000	8/18/09	1700	13,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02001	80	77.5–82.5	Trichloroethane[1,1,1-]	11/14/08	200,000	1,100,000	3/10/09	220,000	1,200,000	5/5/09	190,000	1,000,000	8/18/09	60,000	330,000
			Trichloroethene	11/14/08	43,000	230,000	3/10/09	50,000	270,000	5/5/09	47,000	250,000	8/18/09	24,000	130,000
			Trichlorofluoromethane	11/14/08	1400	7800	3/10/09	1200	6600	5/5/09	1100	6300	8/18/09	ND	ND
	120	117.5–122.5	Chloroform	11/14/08	960	4700	3/10/09	1000	5000	5/5/09	1100	5200	8/18/09	920	4500
			Dichlorodifluoromethane	11/14/08	1100	5200	3/10/09	1300	6600	5/5/09	1100	5400	8/18/09	900	4400
			Dichloroethane[1,1-]	11/14/08	6100	24,000	3/10/09	6300	25,000	5/5/09	6700	27,000	8/18/09	5800	24,000
			Dichloroethane[1,2-]	11/14/08	10,000	41,000	3/10/09	10,000	42,000	5/5/09	11,000	44,000	8/18/09	10,000	42,000
			Dichloroethene[1,1-]	11/14/08	23,000	90,000	3/10/09	5200	21,000	5/5/09	5900	23,000	8/18/09	9000	36,000
			Dichloropropane[1,2-]	11/14/08	750	3500	3/10/09	840	3900	5/5/09	900	4100	8/18/09	ND	ND
			Methylene Chloride	11/14/08	9300	32,000	3/10/09	9800	34,000	5/5/09	10,000	36,000	8/18/09	8700	30,000
			Tetrachloroethene	11/14/08	8200	56,000	3/10/09	9200	63,000	5/5/09	10,000	70,000	8/18/09	9200	63,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/14/08	2600	20,000	3/10/09	2800	21,000	5/5/09	3200	24,000	8/18/09	3100	24,000
			Trichloroethane[1,1,1-]	11/14/08	190,000	1,000,000	3/10/09	200,000	1,100,000	5/5/09	180,000	1,000,000	8/18/09	170,000	940,000
			Trichloroethene	11/14/08	34,000	180,000	3/10/09	37,000	200,000	5/5/09	39,000	210,000	8/18/09	34,000	180,000
			Trichlorofluoromethane	11/14/08	900	5100	3/10/09	850	4800	5/5/09	950	5300	8/18/09	850 (J)	4800 (J)
	140	137.5–142.5	Chloroform	11/14/08	980	4800	3/10/09	1000	5100	5/5/09	1100	5400	8/18/09	ND	ND
			Dichlorodifluoromethane	11/14/08	1200	5800	3/10/09	1400	7000	5/5/09	1200	5700	8/18/09	ND	ND
			Dichloroethane[1,1-]	11/14/08	6600	26,000	3/10/09	6800	28,000	5/5/09	7300	29,000	8/18/09	6300	25,000
			Dichloroethane[1,2-]	11/14/08	12,000	47,000	3/10/09	12,000	48,000	5/5/09	12,000	49,000	8/18/09	11,000	44,000
			Dichloroethene[1,1-]	11/14/08	20,000	80,000	3/10/09	5200	21,000	5/5/09	5700	23,000	8/18/09	6500	26,000
			Dichloropropane[1,2-]	11/14/08	690	3200	3/10/09	880	4000	5/5/09	900	4200	8/18/09	ND	ND
			Methylene Chloride	11/14/08	11,000	38,000	3/10/09	12,000	40,000	5/5/09	12,000	40,000	8/18/09	9600	33,000
			Tetrachloroethene	11/14/08	10,000	68,000	3/10/09	11,000	75,000	5/5/09	12,000	82,000	8/18/09	9600	65,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02001	140	137.5–142.5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/14/08	2600	20,000	3/10/09	3000	23,000	5/5/09	3300	25,000	8/18/09	3400	26,000
			Trichloroethane[1,1,1-]	11/14/08	210,000	1,100,000	3/10/09	210,000	1,100,000	5/5/09	190,000	1,000,000	8/18/09	170,000	940,000
			Trichloroethene	11/14/08	35,000	190,000	3/10/09	40,000	210,000	5/5/09	40,000	220,000	8/18/09	33,000	180,000
			Trichlorofluoromethane	11/14/08	940	5300	3/10/09	930	5200	5/5/09	1000	5700	8/18/09	ND	ND
54-02002	40	37.5–42.5	Benzene	11/17/08	860	2800	3/19/09	830	2700	5/19/09	860	2800	7/27/09	790	2500
			Carbon Tetrachloride	11/17/08	ND	ND	3/19/09	1000	6300	5/19/09	1000	6400	7/27/09	1000	6400
			Chlorobenzene	11/17/08	360	1700	3/19/09	360	1700	5/19/09	350	1600	7/27/09	ND	ND
			Chloroform	11/17/08	5800	28,000	3/19/09	5400	26,000	5/19/09	5700	28,000	7/27/09	5500	27,000
			Dichlorodifluoromethane	11/17/08	420	2100	3/19/09	460	2300	5/19/09	480	2300	7/27/09	480	2300
			Dichloroethane[1,1-]	11/17/08	3600	15,000	3/19/09	3500	14,000	5/19/09	3900	16,000	7/27/09	3500	14,000
			Dichloroethane[1,2-]	11/17/08	5200	21,000	3/19/09	4500	18,000	5/19/09	4900	20,000	7/27/09	4800	20,000
			Dichloroethene[1,1-]	11/17/08	20,000	81,000	3/19/09	10,000	39,000	5/19/09	12,000	47,000	7/27/09	11,000	43,000
			Dichloropropane[1,2-]	11/17/08	9700	45,000	3/19/09	8500	40,000	5/19/09	9800	45,000	7/27/09	9100	42,000
			Ethanol	11/17/08	3400	6400	3/19/09	2700 (J-)	5000 (J-)	5/19/09	2900 (J)	5500 (J)	7/27/09	ND	ND
			Hexane	11/17/08	ND	ND	3/19/09	ND	ND	5/19/09	320	1100	7/27/09	ND	ND
			Methylene Chloride	11/17/08	19,000	65,000	3/19/09	18,000	64,000	5/19/09	21,000	74,000	7/27/09	19,000	66,000
			Tetrachloroethene	11/17/08	5600	38,000	3/19/09	4600	32,000	5/19/09	5000	34,000	7/27/09	5300	36,000
			Tetrahydrofuran	11/17/08	ND	ND	3/19/09	ND	ND	5/19/09	370	1100	7/27/09	ND	ND
			Toluene	11/17/08	1600	6200	3/19/09	1300	5100	5/19/09	1400	5500	7/27/09	1700	6400
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/17/08	24,000	190,000	3/19/09	27,000	210,000	5/19/09	31,000	240,000	7/27/09	32,000	250,000
			Trichloroethane[1,1,1-]	11/17/08	200,000	1,100,000	3/19/09	170,000	940,000	5/19/09	180,000	960,000	7/27/09	180,000	980,000
			Trichloroethene	11/17/08	49,000	260,000	3/19/09	45,000	240,000	5/19/09	47,000	250,000	7/27/09	47,000	250,000
			Trichlorofluoromethane	11/17/08	4300	24,000	3/19/09	4000	23,000	5/19/09	4400	25,000	7/27/09	4000	23,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02002	40	37.5–42.5	Xylene[1,2-]	11/17/08	760	3300	3/19/09	620	2700	5/19/09	670	2900	7/27/09	710	3100
			Xylene[1,3-]+Xylene[1,4-]	11/17/08	580	2500	3/19/09	ND	ND	5/19/09	270	1200	7/27/09	ND	ND
	100	97.5–102.5	Benzene	11/17/08	570	1800	3/19/09	590	1900	5/19/09	590	1900	7/27/09	630	2000
			Carbon Tetrachloride	11/17/08	ND	ND	3/19/09	990	6200	5/19/09	980	6200	7/27/09	1100	7200
			Chlorobenzene	11/17/08	310	1400	3/19/09	ND	ND	5/19/09	ND	ND	7/27/09	470	2200
			Chloroform	11/17/08	6000	29,000	3/19/09	5300	26,000	5/19/09	5500	27,000	7/27/09	6500	32,000
			Dichlorodifluoromethane	11/17/08	320	1600	3/19/09	ND	ND	5/19/09	ND	ND	7/27/09	480	2400
			Dichloroethane[1,1-]	11/17/08	5200	21,000	3/19/09	4600	19,000	5/19/09	5100	20,000	7/27/09	5800	23,000
			Dichloroethane[1,2-]	11/17/08	5000	20,000	3/19/09	4400	18,000	5/19/09	4500	18,000	7/27/09	5500	22,000
			Dichloroethene[1,1-]	11/17/08	23,000	90,000	3/19/09	7800	31,000	5/19/09	9000	36,000	7/27/09	10,000	41,000
			Dichloropropane[1,2-]	11/17/08	13,000	58,000	3/19/09	12,000	56,000	5/19/09	13,000	60,000	7/27/09	15,000	70,000
			Ethanol	11/17/08	4000	7500	3/19/09	3000 (J-)	5800 (J-)	5/19/09	3200 (J)	6100 (J)	7/27/09	ND	ND
			Methylene Chloride	11/17/08	13,000	46,000	3/19/09	13,000	46,000	5/19/09	14,000	50,000	7/27/09	16,000	55,000
			Tetrachloroethene	11/17/08	6000	40,000	3/19/09	5300	36,000	5/19/09	5400	36,000	7/27/09	7300	50,000
			Tetrahydrofuran	11/17/08	7600	22,000	3/19/09	6800	20,000	5/19/09	8200	24,000	7/27/09	9200	27,000
			Toluene	11/17/08	1700	6400	3/19/09	1700	6300	5/19/09	1700	6300	7/27/09	2100	7800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/17/08	32,000	250,000	3/19/09	39,000	300,000	5/19/09	46,000	360,000	7/27/09	60,000	460,000
			Trichloroethane[1,1,1-]	11/17/08	260,000	1,400,000	3/19/09	210,000	1,100,000	5/19/09	210,000	1,200,000	7/27/09	260,000	1,400,000
			Trichloroethene	11/17/08	48,000	260,000	3/19/09	47,000	250,000	5/19/09	47,000	250,000	7/27/09	58,000	310,000
			Trichlorofluoromethane	11/17/08	3300	19,000	3/19/09	3000	17,000	5/19/09	3000	17,000	7/27/09	3500	20,000
			Xylene[1,2-]	11/17/08	650	2800	3/19/09	610	2600	5/19/09	590	2500	7/27/09	900	3900
			Xylene[1,3-]+Xylene[1,4-]	11/17/08	550	2400	3/19/09	560	2400	5/19/09	510	2200	7/27/09	740	3200
	120	117.5–122.5	Benzene	11/17/08	710	2300	3/19/09	710	2300	NS[b]	NS	NS	7/27/09	710	2300
			Carbon Tetrachloride	11/17/08	960	6000	3/19/09	1100	6700	NS	NS	NS	7/27/09	1000	6400
			Chlorobenzene	11/17/08	330	1500	3/19/09	360	1600	NS	NS	NS	7/27/09	440	2000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02002	120	117.5–122.5	Chloroform	11/17/08	5700	28,000	3/19/09	5400	26,000	NS	NS	NS	7/27/09	6000	29,000
			Dichlorodifluoromethane	11/17/08	360	1800	3/19/09	420	2100	NS	NS	NS	7/27/09	470	2300
			Dichloroethane[1,1-]	11/17/08	4000	16,000	3/19/09	4200	17,000	NS	NS	NS	7/27/09	4700	19,000
			Dichloroethane[1,2-]	11/17/08	5400	22,000	3/19/09	4800	20,000	NS	NS	NS	7/27/09	5600	22,000
			Dichloroethene[1,1-]	11/17/08	21,000	83,000	3/19/09	9100	36,000	NS	NS	NS	7/27/09	10,000	41,000
			Dichloropropane[1,2-]	11/17/08	10,000	48,000	3/19/09	11,000	50,000	NS	NS	NS	7/27/09	12,000	57,000
			Ethanol	11/17/08	3600	6800	3/19/09	3000 (J-)	5600 (J-)	NS	NS	NS	7/27/09	ND	ND
			Methylene Chloride	11/17/08	16,000	57,000	3/19/09	17,000	60,000	NS	NS	NS	7/27/09	18,000	64,000
			Tetrachloroethene	11/17/08	5600	38,000	3/19/09	5100	34,000	NS	NS	NS	7/27/09	6300	43,000
			Tetrahydrofuran	11/17/08	2000	5800	3/19/09	2300	6900	NS	NS	NS	7/27/09	2800	8300
			Toluene	11/17/08	1400	5300	3/19/09	1300	5100	NS	NS	NS	7/27/09	1500	5700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/17/08	25,000	190,000	3/19/09	31,000	240,000	NS	NS	NS	7/27/09	43,000	330,000
			Trichloroethane[1,1,1-]	11/17/08	220,000	1,200,000	3/19/09	200,000	1,100,000	NS	NS	NS	7/27/09	220,000	1,200,000
			Trichloroethene	11/17/08	46,000	240,000	3/19/09	47,000	250,000	NS	NS	NS	7/27/09	53,000	280,000
			Trichlorofluoromethane	11/17/08	3700	21,000	3/19/09	3600	20,000	NS	NS	NS	7/27/09	3700	21,000
			Xylene[1,2-]	11/17/08	710	3100	3/19/09	660	2900	NS	NS	NS	7/27/09	880	3800
			Xylene[1,3-]+Xylene[1,4-]	11/17/08	490	2100	3/19/09	440	1900	NS	NS	NS	7/27/09	500	2200
	140	137.5–142.5	Carbon Tetrachloride	NS	NS	NS	NS	NS	NS	5/19/09	380	2400	NS	NS	NS
			Chloroform	NS	NS	NS	NS	NS	NS	5/19/09	3100	15,000	NS	NS	NS
			Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	5/19/09	250	1200	NS	NS	NS
			Dichloroethane[1,1-]	NS	NS	NS	NS	NS	NS	5/19/09	4000	16,000	NS	NS	NS
			Dichloroethane[1,2-]	NS	NS	NS	NS	NS	NS	5/19/09	740	3000	NS	NS	NS
			Dichloroethene[1,1-]	NS	NS	NS	NS	NS	NS	5/19/09	3800	15,000	NS	NS	NS
			Dichloropropane[1,2-]	NS	NS	NS	NS	NS	NS	5/19/09	6800	32,000	NS	NS	NS
			Tetrachloroethene	NS	NS	NS	NS	NS	NS	5/19/09	3200	22,000	NS	NS	NS

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02002	140	137.5–142.5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	NS	NS	NS	5/19/09	43,000	330,000	NS	NS	NS
			Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	5/19/09	140,000	780,000	NS	NS	NS
			Trichloroethene	NS	NS	NS	NS	NS	NS	5/19/09	26,000	140,000	NS	NS	NS
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	5/19/09	1000	5800	NS	NS	NS
	180	177.5–182.5	Benzene	11/17/08	720	2300	3/19/09	720	2300	5/19/09	710	2300	7/27/09	750	2400
			Carbon Tetrachloride	11/17/08	ND	ND	3/19/09	910	5800	5/19/09	970	6100	7/27/09	1100	6800
			Chlorobenzene	11/17/08	330	1500	3/19/09	360	1700	5/19/09	ND	ND	7/27/09	460	2100
			Chloroform	11/17/08	5700	28,000	3/19/09	5600	27,000	5/19/09	5500	27,000	7/27/09	6300	31,000
			Dichlorodifluoromethane	11/17/08	400	2000	3/19/09	430	2100	5/19/09	ND	ND	7/27/09	510	2500
			Dichloroethane[1,1-]	11/17/08	4000	16,000	3/19/09	4200	17,000	5/19/09	4400	18,000	7/27/09	4800	19,000
			Dichloroethane[1,2-]	11/17/08	5100	21,000	3/19/09	5000	20,000	5/19/09	4900	20,000	7/27/09	5900	24,000
			Dichloroethene[1,1-]	11/17/08	22,000	86,000	3/19/09	9400	37,000	5/19/09	10,000	41,000	7/27/09	11,000	44,000
			Dichloropropane[1,2-]	11/17/08	10,000	46,000	3/19/09	11,000	52,000	5/19/09	11,000	52,000	7/27/09	13,000	59,000
			Ethanol	11/17/08	4100	7700	3/19/09	3400 (J-)	6500 (J-)	5/19/09	3400 (J)	6400 (J)	7/27/09	ND	ND
			Methylene Chloride	11/17/08	16,000	57,000	3/19/09	18,000	62,000	5/19/09	19,000	66,000	7/27/09	20,000	68,000
			Tetrachloroethene	11/17/08	5400	36,000	3/19/09	5100	35,000	5/19/09	5100	34,000	7/27/09	6600	45,000
			Tetrahydrofuran	11/17/08	1800	5200	3/19/09	2200	6600	5/19/09	2500	7300	7/27/09	2400	7100
			Toluene	11/17/08	1200	4600	3/19/09	1200	4500	5/19/09	1200	4500	7/27/09	1400	5300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/17/08	27,000	210,000	3/19/09	32,000	240,000	5/19/09	36,000	270,000	7/27/09	44,000	330,000
			Trichloroethane[1,1,1-]	11/17/08	220,000	1,200,000	3/19/09	200,000	1,100,000	5/19/09	190,000	1,000,000	7/27/09	230,000	1,200,000
			Trichloroethene	11/17/08	46,000	250,000	3/19/09	48,000	260,000	5/19/09	46,000	250,000	7/27/09	55,000	290,000
			Trichlorofluoromethane	11/17/08	4000	23,000	3/19/09	3700	21,000	5/19/09	3600	20,000	7/27/09	3900	22,000
			Xylene[1,2-]	11/17/08	660	2900	3/19/09	650	2800	5/19/09	600	2600	7/27/09	840	3600
			Xylene[1,3-]+Xylene[1,4-]	11/17/08	310	1400	3/19/09	330	1400	5/19/09	ND	ND	7/27/09	380	1600

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02016	31	28.5–33.5	Carbon Tetrachloride	11/4/08	ND	ND	3/12/09	ND	ND	5/13/09	880	5500	7/21/09	690	4300
			Chloroform	11/4/08	4500	22,000	3/12/09	3600	18,000	5/13/09	3600	17,000	7/21/09	3100	15,000
			Dichlorodifluoromethane	11/4/08	ND	ND	3/12/09	920	4500	5/13/09	660	3200	7/21/09	470	2300
			Dichloroethane[1,1-]	11/4/08	8800	35,000	3/12/09	6800	28,000	5/13/09	7200	29,000	7/21/09	6100	25,000
			Dichloroethane[1,2-]	11/4/08	50,000	200,000	3/12/09	54,000	220,000	5/13/09	62,000	250,000	7/21/09	50,000	200,000
			Dichloroethene[1,1-]	11/4/08	54,000	210,000	3/12/09	8500	34,000	5/13/09	10,000	39,000	7/21/09	8300	33,000
			Dichloropropane[1,2-]	11/4/08	12,000	55,000	3/12/09	9100	42,000	5/13/09	9800	45,000	7/21/09	8100	37,000
			Tetrachloroethene	11/4/08	5200	36,000	3/12/09	4000	27,000	5/13/09	4700	32,000	7/21/09	2600 (J)	18,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/4/08	63,000	480,000	3/12/09	88,000	670,000	5/13/09	110,000	830,000	7/21/09	98,000	750,000
			Trichloroethane[1,1,1-]	11/4/08	360,000	2,000,000	3/12/09	290,000	1,600,000	5/13/09	270,000	1,500,000	7/21/09	230,000	1,300,000
			Trichloroethene	11/4/08	68,000	360,000	3/12/09	56,000	300,000	5/13/09	56,000	300,000	7/21/09	49,000	260,000
			Trichlorofluoromethane	11/4/08	2300	13,000	3/12/09	1600	9300	5/13/09	1700	9600	7/21/09	1300	7400
	82	79.5–84.5	Carbon Tetrachloride	11/4/08	ND	ND	3/12/09	ND	ND	5/13/09	480	3000	7/21/09	410	2600
			Chloroform	11/4/08	2300	11,000	3/12/09	1500	7400	5/13/09	1100	5300	7/21/09	990	4800
			Dichlorodifluoromethane	11/4/08	470	2300	3/12/09	730	3600	5/13/09	390	1900	7/21/09	310	1500
			Dichloroethane[1,1-]	11/4/08	4600	19,000	3/12/09	3500	14,000	5/13/09	2700	11,000	7/21/09	2700	11,000
			Dichloroethane[1,2-]	11/4/08	4400	18,000	3/12/09	4400	18,000	5/13/09	3000	12,000	7/21/09	2600	10,000
			Dichloroethene[1,1-]	11/4/08	36,000	140,000	3/12/09	6900	28,000	5/13/09	5800	23,000	7/21/09	5500	22,000
			Dichloropropane[1,2-]	11/4/08	4200	19,000	3/12/09	2700	12,000	5/13/09	2100	9700	7/21/09	1800	8100
			Tetrachloroethene	11/4/08	3300	23,000	3/12/09	2600	18,000	5/13/09	2400	16,000	7/21/09	1900 (J)	13,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/4/08	60,000	460,000	3/12/09	75,000	570,000	5/13/09	68,000	520,000	7/21/09	64,000	490,000
			Trichloroethane[1,1,1-]	11/4/08	260,000	1,400,000	3/12/09	200,000	1,100,000	5/13/09	150,000	800,000	7/21/09	140,000	780,000
			Trichloroethene	11/4/08	40,000	220,000	3/12/09	32,000	170,000	5/13/09	25,000	130,000	7/21/09	26,000	140,000
			Trichlorofluoromethane	11/4/08	1500	8600	3/12/09	1400	7800	5/13/09	1000	5900	7/21/09	880	5000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02021	20	10–30	Carbon Tetrachloride	11/12/08	ND	ND	3/11/09	ND	ND	5/5/09	ND	ND	7/22/09	38	240
			Chloroform	11/12/08	87	420	3/11/09	100	510	5/5/09	86	420	7/22/09	85	410
			Dichlorodifluoromethane	11/12/08	110	560	3/11/09	160	780	5/5/09	110	520	7/22/09	89	440
			Dichloroethane[1,1-]	11/12/08	590	2400	3/11/09	660	2700	5/5/09	570	2300	7/22/09	560	2300
			Dichloroethane[1,2-]	11/12/08	400	1600	3/11/09	400	1600	5/5/09	340	1400	7/22/09	290	1200
			Dichloroethene[1,1-]	11/12/08	3200	13,000	3/11/09	780	3100	5/5/09	770	3000	7/22/09	680	2700
			Dichloropropane[1,2-]	11/12/08	80	370	3/11/09	78	360	5/5/09	63	290	7/22/09	63	290
			Tetrachloroethene	11/12/08	490	3300	3/11/09	530	3600	5/5/09	550	3700	7/22/09	350 (J)	2400 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/08	260	2000	3/11/09	320	2400	5/5/09	310	2400	7/22/09	310	2400
			Trichloroethane[1,1,1-]	11/12/08	19,000	100,000	3/11/09	22,000	120,000	5/5/09	18,000	96,000	7/22/09	16,000	90,000
			Trichloroethene	11/12/08	4000	22,000	3/11/09	4100	22,000	5/5/09	3600	19,000	7/22/09	3700	20,000
			Trichlorofluoromethane	11/12/08	83	460	3/11/09	100	590	5/5/09	89	500	7/22/09	77	440
	100	90–110	Chloroform	11/12/08	250	1200	3/11/09	250	1200	5/5/09	250	1200	7/22/09	200	970
			Dichlorodifluoromethane	11/12/08	280	1400	3/11/09	340	1700	5/5/09	280	1400	7/22/09	210	1000
			Dichloroethane[1,1-]	11/12/08	1400	5900	3/11/09	1500	6300	5/5/09	1600	6600	7/22/09	1300	5200
			Dichloroethane[1,2-]	11/12/08	1900	7800	3/11/09	1800	7200	5/5/09	1900	7500	7/22/09	1400	5500
			Dichloroethene[1,1-]	11/12/08	9000	36,000	3/11/09	1900	7400	5/5/09	2100	8200	7/22/09	1600	6500
			Dichloropropane[1,2-]	11/12/08	200	920	3/11/09	220	1000	5/5/09	220	1000	7/22/09	170	800
			Methylene Chloride	11/12/08	870	3000	3/11/09	910	3200	5/5/09	900	3100	7/22/09	660	2300
			Tetrachloroethene	11/12/08	1100	7600	3/11/09	1100	7300	5/5/09	1300	8800	7/22/09	680 (J)	4600 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/08	680	5200	3/11/09	800	6200	5/5/09	950	7300	7/22/09	870	6600
			Trichloroethane[1,1,1-]	11/12/08	54,000	290,000	3/11/09	58,000	320,000	5/5/09	53,000	290,000	7/22/09	41,000	220,000
			Trichloroethene	11/12/08	10,000	55,000	3/11/09	11,000	57,000	5/5/09	11,000	58,000	7/22/09	8800	47,000
			Trichlorofluoromethane	11/12/08	240	1300	3/11/09	250	1400	5/5/09	250	1400	7/22/09	190	1100

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02021	120	110–130	Chloroform	11/12/08	140	700	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichlorodifluoromethane	11/12/08	160	800	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	11/12/08	780	3200	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	11/12/08	800	3200	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	11/12/08	4600	18,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	11/12/08	76	350	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Methylene Chloride	11/12/08	600	2100	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	11/12/08	560	3800	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/08	490	3800	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	11/12/08	30,000	160,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethene	11/12/08	5500	30,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	11/12/08	150	850	NS	NS	NS	NS	NS	NS	NS	NS	NS
	140	130–150	Carbon Tetrachloride	11/12/08	53	330	3/11/09	ND	ND	5/5/09	ND	ND	7/22/09	ND	ND
			Chloroform	11/12/08	120	570	3/11/09	290	1400	5/5/09	210	1000	7/22/09	260	1200
			Dichlorodifluoromethane	11/12/08	120	570	3/11/09	420	2100	5/5/09	250	1200	7/22/09	300	1500
			Dichloroethane[1,1-]	11/12/08	690	2800	3/11/09	1600	6700	5/5/09	1300	5200	7/22/09	1400	5800
			Dichloroethane[1,2-]	11/12/08	630	2500	3/11/09	1500	6100	5/5/09	1200	4700	7/22/09	1400	5600
			Dichloroethene[1,1-]	11/12/08	3700	15,000	3/11/09	2400	9500	5/5/09	1900	7600	7/22/09	2200	8800
			Dichloropropane[1,2-]	11/12/08	83	380	3/11/09	180	820	5/5/09	140	670	7/22/09	170	770
			Methylene Chloride	11/12/08	ND	ND	3/11/09	1400	4800	5/5/09	1000	3500	7/22/09	1100	3800
			Tetrachloroethene	11/12/08	520	3500	3/11/09	1200	7900	5/5/09	980	6700	7/22/09	840 (J)	5700 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/08	320	2500	3/11/09	1100	8300	5/5/09	940	7200	7/22/09	1100	8800
			Trichloroethane[1,1,1-]	11/12/08	25,000	140,000	3/11/09	68,000	370,000	5/5/09	45,000	240,000	7/22/09	58,000	310,000
			Trichloroethene	11/12/08	4200	23,000	3/11/09	13,000	68,000	5/5/09	9300	50,000	7/22/09	11,000	58,000
			Trichlorofluoromethane	11/12/08	100	590	3/11/09	300	1700	5/5/09	240	1400	7/22/09	280	1600

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02021	160	150–170	Carbon Tetrachloride	NS	NS	NS	3/12/09	91	580	5/5/09	ND	ND	7/22/09	88	560
			Chloroform	NS	NS	NS	3/12/09	260	1300	5/5/09	190	920	7/22/09	190	920
			Dichlorodifluoromethane	NS	NS	NS	3/12/09	410	2000	5/5/09	250	1200	7/22/09	250	1200
			Dichloroethane[1,1-]	NS	NS	NS	3/12/09	1500	6000	5/5/09	1100	4400	7/22/09	1000	4000
			Dichloroethane[1,2-]	NS	NS	NS	3/12/09	1000	4100	5/5/09	760	3100	7/22/09	740	3000
			Dichloroethene[1,1-]	NS	NS	NS	3/12/09	2400	9700	5/5/09	2000	8000	7/22/09	1900	7400
			Dichloropropane[1,2-]	NS	NS	NS	3/12/09	130	620	5/5/09	100	480	7/22/09	95	440
			Methylene Chloride	NS	NS	NS	3/12/09	1500	5200	5/5/09	1100	4000	7/22/09	1000	3500
			Tetrachloroethene	NS	NS	NS	3/12/09	980	6600	5/5/09	860	5800	7/22/09	560 (J)	3800 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	3/12/09	1100	8500	5/5/09	950	7300	7/22/09	960	7400
			Trichloroethane[1,1,1-]	NS	NS	NS	3/12/09	62,000	340,000	5/5/09	41,000	220,000	7/22/09	42,000	230,000
			Trichloroethene	NS	NS	NS	3/12/09	12,000	63,000	5/5/09	8800	47,000	7/22/09	8000	43,000
			Trichlorofluoromethane	NS	NS	NS	3/12/09	310	1800	5/5/09	250	1400	7/22/09	240	1400
54-02022	20	17.5–22.5	Chloroform	11/13/08	200	990	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichlorodifluoromethane	11/13/08	210	1000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	11/13/08	1300	5300	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	11/13/08	1000	4200	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	11/13/08	4200	17,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	11/13/08	140	630	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	11/13/08	1700	11,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/08	430	3300	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	11/13/08	52,000	280,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethene	11/13/08	8100	43,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	11/13/08	170	950	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02022	40	37.5–42.5	Chloroform	11/13/08	270	1300	3/11/09	280	1400	5/4/09	280	1400	7/24/09	270	1300
			Dichlorodifluoromethane	11/13/08	320	1600	3/11/09	410	2000	5/4/09	310	1500	7/24/09	300	1500
			Dichloroethane[1,1-]	11/13/08	2000	7900	3/11/09	2000	8200	5/4/09	2100	8700	7/24/09	2000	8100
			Dichloroethane[1,2-]	11/13/08	2100	8600	3/11/09	2100	8600	5/4/09	2300	9200	7/24/09	2100	8400
			Dichloroethene[1,1-]	11/13/08	6700	26,000	3/11/09	1500	5800	5/4/09	1700	6700	7/24/09	1600	6400
			Dichloropropane[1,2-]	11/13/08	210	970	3/11/09	240	1100	5/4/09	240	1100	7/24/09	220	1000
			Methylene Chloride	11/13/08	ND	ND	3/11/09	130	440	5/4/09	170	590	7/24/09	110	380
			Tetrachloroethene	11/13/08	2100	14,000	3/11/09	2300	15,000	5/4/09	2600	18,000	7/24/09	1700 (J-)	11,000 (J-)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/08	690	5300	3/11/09	700	5400	5/4/09	820	6200	7/24/09	860	6600
			Trichloroethane[1,1,1-]	11/13/08	70,000	380,000	3/11/09	69,000	380,000	5/4/09	64,000	350,000	7/24/09	65,000	350,000
			Trichloroethene	11/13/08	11,000	60,000	3/11/09	12,000	66,000	5/4/09	13,000	69,000	7/24/09	12,000	64,000
			Trichlorofluoromethane	11/13/08	230	1300	3/11/09	240	1400	5/4/09	260	1400	7/24/09	250	1400
	80	77.5–82.5	Chloroform	11/13/08	340	1700	3/11/09	360	1800	5/4/09	360	1800	7/24/09	390	1900
			Dichlorodifluoromethane	11/13/08	400	2000	3/11/09	520	2600	5/4/09	400	2000	7/24/09	430	2100
			Dichloroethane[1,1-]	11/13/08	2300	9200	3/11/09	2600	10,000	5/4/09	2700	11,000	7/24/09	2600	11,000
			Dichloroethane[1,2-]	11/13/08	3300	13,000	3/11/09	3200	13,000	5/4/09	3200	13,000	7/24/09	3300	13,000
			Dichloroethene[1,1-]	11/13/08	8500	34,000	3/11/09	2100	8500	5/4/09	2400	9400	7/24/09	2400	9400
			Dichloropropane[1,2-]	11/13/08	300	1400	3/11/09	330	1500	5/4/09	360	1600	7/24/09	330	1500
			Methylene Chloride	11/13/08	960	3300	3/11/09	1000	3700	5/4/09	1100	3700	7/24/09	920	3200
			Tetrachloroethene	11/13/08	2300	16,000	3/11/09	2600	18,000	5/4/09	2800	19,000	7/24/09	1900 (J-)	13,000 (J-)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/08	850	6500	3/11/09	880	6700	5/4/09	1000	7800	7/24/09	1100	8800
			Trichloroethane[1,1,1-]	11/13/08	92,000	500,000	3/11/09	94,000	510,000	5/4/09	85,000	470,000	7/24/09	94,000	510,000
			Trichloroethene	11/13/08	14,000	77,000	3/11/09	16,000	86,000	5/4/09	16,000	84,000	7/24/09	16,000	87,000
			Trichlorofluoromethane	11/13/08	300	1700	3/11/09	300	1700	5/4/09	340	1900	7/24/09	340	1900

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02022	120	117.5–122.5	Chloroform	11/13/08	400	2000	3/11/09	420	2000	5/4/09	400	2000	7/24/09	430	2100
			Dichlorodifluoromethane	11/13/08	410	2000	3/11/09	540	2700	5/4/09	420	2100	7/24/09	490	2400
			Dichloroethane[1,1-]	11/13/08	2500	10,000	3/11/09	2500	10,000	5/4/09	2600	10,000	7/24/09	2700	11,000
			Dichloroethane[1,2-]	11/13/08	2800	11,000	3/11/09	2700	11,000	5/4/09	2800	11,000	7/24/09	3000	12,000
			Dichloroethene[1,1-]	11/13/08	11,000	43,000	3/11/09	2900	12,000	5/4/09	3100	12,000	7/24/09	3300	13,000
			Dichloropropane[1,2-]	11/13/08	280	1300	3/11/09	320	1500	5/4/09	340	1600	7/24/09	340	1600
			Methylene Chloride	11/13/08	1200	4200	3/11/09	1200	4400	5/4/09	1300	4400	7/24/09	1200	4300
			Tetrachloroethene	11/13/08	1900	13,000	3/11/09	1800	12,000	5/4/09	2100	14,000	7/24/09	1600 (J-)	10,000 (J-)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/08	970	7400	3/11/09	940	7200	5/4/09	1100	8300	7/24/09	1300	9700
			Trichloroethane[1,1,1-]	11/13/08	100,000	570,000	3/11/09	100,000	560,000	5/4/09	90,000	490,000	7/24/09	110,000	580,000
			Trichloroethene	11/13/08	16,000	86,000	3/11/09	17,000	92,000	5/4/09	17,000	91,000	7/24/09	18,000	98,000
			Trichlorofluoromethane	11/13/08	340	1900	3/11/09	350	2000	5/4/09	350	2000	7/24/09	400	2300
	140	137.5–142.5	Chloroform	11/13/08	380	1900	3/11/09	350	1700	5/4/09	360	1800	7/24/09	380	1800
			Dichlorodifluoromethane	11/13/08	430	2100	3/11/09	530	2600	5/4/09	450	2200	7/24/09	490	2400
			Dichloroethane[1,1-]	11/13/08	2100	8400	3/11/09	2200	8800	5/4/09	2200	9100	7/24/09	2200	9000
			Dichloroethane[1,2-]	11/13/08	1600	6600	3/11/09	1600	6400	5/4/09	1700	6900	7/24/09	1700	6900
			Dichloroethene[1,1-]	11/13/08	10,000	42,000	3/11/09	3300	13,000	5/4/09	3800	15,000	7/24/09	3700	15,000
			Dichloropropane[1,2-]	11/13/08	210	980	3/11/09	220	1000	5/4/09	250	1200	7/24/09	240	1100
			Methylene Chloride	11/13/08	1900	6600	3/11/09	2000	6800	5/4/09	2100	7300	7/24/09	2000	6800
			Tetrachloroethene	11/13/08	1600	11,000	3/11/09	1400	9200	5/4/09	1600	11,000	7/24/09	1000 (J-)	7000 (J-)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/08	1000	7700	3/11/09	960	7300	5/4/09	1200	9000	7/24/09	1300	9900
			Trichloroethane[1,1,1-]	11/13/08	100,000	550,000	3/11/09	94,000	510,000	5/4/09	86,000	470,000	7/24/09	96,000	520,000
			Trichloroethene	11/13/08	16,000	86,000	3/11/09	16,000	88,000	5/4/09	17,000	91,000	7/24/09	17,000	90,000
			Trichlorofluoromethane	11/13/08	370	2100	3/11/09	370	2100	5/4/09	360	2000	7/24/09	400	2200

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02023	40	30–50	Carbon Tetrachloride	11/18/08	33	210	3/24/09	43	270	5/19/09	38	240	7/30/09	ND	ND
			Chloroform	11/18/08	320	1600	3/24/09	330	1600	5/19/09	310	1500	7/30/09	240	1200
			Cyclohexane	11/18/08	160	570	3/24/09	ND	ND	5/19/09	ND	ND	7/30/09	ND	ND
			Dichlorodifluoromethane	11/18/08	52	260	3/24/09	58	290	5/19/09	52	260	7/30/09	36	180
			Dichloroethane[1,1-]	11/18/08	130	510	3/24/09	140	560	5/19/09	140	550	7/30/09	100	420
			Dichloroethane[1,2-]	11/18/08	20	82	3/24/09	22	88	5/19/09	23	93	7/30/09	ND	ND
			Dichloroethene[1,1-]	11/18/08	800	3200	3/24/09	700	2800	5/19/09	750	3000	7/30/09	580	2300
			Dichloropropane[1,2-]	11/18/08	87	400	3/24/09	100	480	5/19/09	110	490	7/30/09	70	320
			Methylene Chloride	11/18/08	ND	ND	3/24/09	18	62	5/19/09	37	130	7/30/09	ND	ND
			Tetrachloroethene	11/18/08	230	1600	3/24/09	230	1500	5/19/09	210	1400	7/30/09	170	1200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/18/08	1600	12,000	3/24/09	1700	13,000	5/19/09	1700	13,000	7/30/09	1400	11,000
			Trichloroethane[1,1,1-]	11/18/08	10,000	57,000	3/24/09	9500	52,000	5/19/09	8400	46,000	7/30/09	7100	39,000
			Trichloroethene	11/18/08	2400	13,000	3/24/09	2700	14,000	5/19/09	2400	13,000	7/30/09	1900	10,000
			Trichlorofluoromethane	11/18/08	330	1800	3/24/09	350	2000	5/19/09	330	1800	7/30/09	250	1400
	100	90–110	Benzene	11/18/08	34	110	3/24/09	38	120	5/19/09	39	120	7/31/09	ND	ND
			Carbon Tetrachloride	11/18/08	ND	ND	3/24/09	80	500	5/19/09	82	510	7/31/09	45	280
			Chloroform	11/18/08	550	2700	3/24/09	530	2600	5/19/09	540	2600	7/31/09	400	1900
			Dichlorodifluoromethane	11/18/08	98	480	3/24/09	96	480	5/19/09	98	480	7/31/09	54	270
			Dichloroethane[1,1-]	11/18/08	210	860	3/24/09	220	880	5/19/09	230	920	7/31/09	160	670
			Dichloroethane[1,2-]	11/18/08	55	220	3/24/09	55	220	5/19/09	60	240	7/31/09	46	190
			Dichloroethene[1,1-]	11/18/08	1500	6100	3/24/09	1200	4900	5/19/09	1400	5400	7/31/09	1000	4100
			Dichloropropane[1,2-]	11/18/08	140	640	3/24/09	150	700	5/19/09	160	740	7/31/09	110	520
			Methylene Chloride	11/18/08	170	600	3/24/09	200	700	5/19/09	210	720	7/31/09	120	430
			Tetrachloroethene	11/18/08	380	2600	3/24/09	340	2300	5/19/09	350	2400	7/31/09	270	1900
			Toluene	11/18/08	28	100	3/24/09	31	120	5/19/09	31	120	7/31/09	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02023	100	90–110	Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/18/08	2900	23,000	3/24/09	2800	22,000	5/19/09	3000	23,000	7/31/09	2500	19,000
			Trichloroethane[1,1,1-]	11/18/08	17,000	93,000	3/24/09	14,000	80,000	5/19/09	14,000	76,000	7/31/09	11,000	62,000
			Trichloroethene	11/18/08	4100	22,000	3/24/09	4400	24,000	5/19/09	4200	23,000	7/31/09	3300	18,000
			Trichlorofluoromethane	11/18/08	570	3200	3/24/09	560	3200	5/19/09	560	3200	7/31/09	410	2300
	120	110–130	Acetone	11/18/08	ND	ND	3/24/09	ND	ND	5/19/09	ND	ND	7/31/09	13	30[c]
			Benzene	11/18/08	ND	ND	3/24/09	52	160	5/19/09	49	160	7/31/09	ND	ND[c]
			Carbon Tetrachloride	11/18/08	ND	ND	3/24/09	97	610	5/19/09	100	660	7/31/09	ND	ND[c]
			Chloroform	11/18/08	540	2600	3/24/09	560	2700	5/19/09	550	2700	7/31/09	1.2	5.8[c]
			Dichlorodifluoromethane	11/18/08	110	550	3/24/09	120	580	5/19/09	110	530	7/31/09	ND	ND[c]
			Dichloroethane[1,1-]	11/18/08	210	850	3/24/09	220	900	5/19/09	230	920	7/31/09	ND	ND[c]
			Dichloroethane[1,2-]	11/18/08	35	140	3/24/09	48	190	5/19/09	50	200	7/31/09	ND	ND[c]
			Dichloroethene[1,1-]	11/18/08	1600	6300	3/24/09	1400	5700	5/19/09	1600	6300	7/31/09	2.7	11[c]
			Dichloropropane[1,2-]	11/18/08	120	550	3/24/09	140	660	5/19/09	140	660	7/31/09	ND	ND[c]
			Methylene Chloride	11/18/08	100	350	3/24/09	140	470	5/19/09	130	440	7/31/09	ND	ND[c]
			Tetrachloroethene	11/18/08	380	2600	3/24/09	370	2500	5/19/09	350	2400	7/31/09	2	14[c]
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/18/08	3200	24,000	3/24/09	3200	24,000	5/19/09	3300	25,000	7/31/09	6.8	52[c]
			Trichloroethane[1,1,1-]	11/18/08	17,000	95,000	3/24/09	16,000	85,000	5/19/09	14,000	79,000	7/31/09	33	180[c]
			Trichloroethene	11/18/08	4200	23,000	3/24/09	4800	26,000	5/19/09	4500	24,000	7/31/09	14	74[c]
			Trichlorofluoromethane	11/18/08	600	3400	3/24/09	630	3500	5/19/09	620	3500	7/31/09	1.3	7.5[c]
	159	149–169	Benzene	11/18/08	70	220	3/24/09	89	280	5/19/09	71	230	7/31/09	50	160
			Carbon Tetrachloride	11/18/08	150	930	3/24/09	170	1000	5/19/09	140	910	7/31/09	85	540
			Chloroform	11/18/08	510	2500	3/24/09	580	2800	5/19/09	560	2700	7/31/09	410	2000
			Dichlorodifluoromethane	11/18/08	150	730	3/24/09	180	890	5/19/09	150	730	7/31/09	80	390
			Dichloroethane[1,1-]	11/18/08	180	730	3/24/09	220	890	5/19/09	220	900	7/31/09	160	640

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02023	159	149–169	Dichloroethane[1,2-]	11/18/08	ND	ND	3/24/09	ND	ND	5/19/09	34	140	7/31/09	ND	ND
			Dichloroethene[1,1-]	11/18/08	2000	8100	3/24/09	2200	8600	5/19/09	2000	8000	7/31/09	1400	5800
			Dichloropropane[1,2-]	11/18/08	72	340	3/24/09	91	420	5/19/09	110	500	7/31/09	72	330
			Methylene Chloride	11/18/08	95	330	3/24/09	130	450	5/19/09	220	780	7/31/09	140	470
			Tetrachloroethene	11/18/08	380	2600	3/24/09	390	2700	5/19/09	360	2400	7/31/09	280	1900
			Toluene	11/18/08	24	90	3/24/09	37	140	5/19/09	33	120	7/31/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/18/08	3800	30,000	3/24/09	4500	34,000	5/19/09	4000	31,000	7/31/09	3300	25,000
			Trichloroethane[1,1,1-]	11/18/08	17,000	95,000	3/24/09	18,000	97,000	5/19/09	16,000	86,000	7/31/09	13,000	69,000
			Trichloroethene	11/18/08	4600	25,000	3/24/09	5700	30,000	5/19/09	5000	27,000	7/31/09	3800	20,000
			Trichlorofluoromethane	11/18/08	690	3900	3/24/09	840	4700	5/19/09	740	4100	7/31/09	530	3000
54-02024	40	30–50	Benzene	11/19/08	ND	ND	3/21/09	19	62	5/21/09	13	42	7/29/09	20	63
			Carbon Tetrachloride	11/19/08	51	320	3/21/09	68	430	5/21/09	51	320	7/29/09	71	440
			Chloroform	11/19/08	550	2700	3/21/09	500	2400	5/21/09	360	1800	7/29/09	520	2600
			Dichlorodifluoromethane	11/19/08	66	320	3/21/09	55	270	5/21/09	35	180	7/29/09	54	270
			Dichloroethane[1,1-]	11/19/08	230	940	3/21/09	220	900	5/21/09	160	650	7/29/09	240	960
			Dichloroethane[1,2-]	11/19/08	74	300	3/21/09	71	290	5/21/09	49	200	7/29/09	69	280
			Dichloroethene[1,1-]	11/19/08	2600	10,000	3/21/09	720	2800	5/21/09	560	2200	7/29/09	790	3100
			Dichloropropane[1,2-]	11/19/08	360	1700	3/21/09	360	1600	5/21/09	260	1200	7/29/09	370	1700
			Tetrachloroethene	11/19/08	370	2500	3/21/09	380	2600	5/21/09	290	2000	7/29/09	400	2700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/19/08	1400	11,000	3/21/09	2000	15,000	5/21/09	1700	13,000	7/29/09	2200	17,000
			Trichloroethane[1,1,1-]	11/19/08	13,000	73,000	3/21/09	13,000	70,000	5/21/09	8700	48,000	7/29/09	13,000	73,000
			Trichloroethene	11/19/08	3500	19,000	3/21/09	3400	18,000	5/21/09	2400	13,000	7/29/09	3400	18,000
			Trichlorofluoromethane	11/19/08	410	2300	3/21/09	430	2400	5/21/09	300	1700	7/29/09	440	2400

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02024	100	90–110	Benzene	11/19/08	86	270	3/21/09	75	240	5/21/09	60	190	7/29/09	72	230
			Carbon Tetrachloride	11/19/08	100	640	3/21/09	140	890	5/21/09	120	760	7/29/09	140	910
			Chloroform	11/19/08	890	4300	3/21/09	930	4600	5/21/09	760	3700	7/29/09	940	4600
			Dichlorodifluoromethane	11/19/08	130	630	3/21/09	110	550	5/21/09	86	420	7/29/09	100	510
			Dichloroethane[1,1-]	11/19/08	360	1400	3/21/09	370	1500	5/21/09	310	1200	7/29/09	380	1500
			Dichloroethane[1,2-]	11/19/08	200	820	3/21/09	210	860	5/21/09	170	700	7/29/09	220	880
			Dichloroethene[1,1-]	11/19/08	3100	12,000	3/21/09	1500	5900	5/21/09	1400	5600	7/29/09	1600	6500
			Dichloropropane[1,2-]	11/19/08	500	2300	3/21/09	580	2700	5/21/09	460	2200	7/29/09	600	2800
			Methylene Chloride	11/19/08	460	1600	3/21/09	520	1800	5/21/09	410	1400	7/29/09	480	1600
			Tetrachloroethene	11/19/08	550	3700	3/21/09	660	4400	5/21/09	580	4000	7/29/09	700	4700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/19/08	2800	22,000	3/21/09	4000	31,000	5/21/09	3900	30,000	7/29/09	4500	34,000
			Trichloroethane[1,1,1-]	11/19/08	22,000	120,000	3/21/09	23,000	120,000	5/21/09	19,000	100,000	7/29/09	24,000	130,000
			Trichloroethene	11/19/08	5500	30,000	3/21/09	6200	34,000	5/21/09	5000	27,000	7/29/09	6300	34,000
			Trichlorofluoromethane	11/19/08	620	3500	3/21/09	880	5000	5/21/09	700	3900	7/29/09	870	4900
	120	110–130	Benzene	11/19/08	83	260	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Carbon Tetrachloride	11/19/08	110	700	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Chloroform	11/19/08	950	4600	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichlorodifluoromethane	11/19/08	150	760	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	11/19/08	360	1400	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	11/19/08	200	800	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	11/19/08	4700	18,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	11/19/08	480	2200	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Methylene Chloride	11/19/08	300	1000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	11/19/08	550	3800	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02024	120	110–130	Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/19/08	3400	26,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	11/19/08	22,000	120,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethene	11/19/08	6100	33,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	11/19/08	670	3800	NS	NS	NS	NS	NS	NS	NS	NS	NS
	140	130–150	Benzene	NS	NS	NS	3/24/09	150	480	5/21/09	100	320	7/29/09	ND	ND
			Carbon Tetrachloride	NS	NS	NS	3/24/09	190	1200	5/21/09	150	950	7/29/09	140	850
			Chloroform	NS	NS	NS	3/24/09	1200	5900	5/21/09	890	4300	7/29/09	930	4500
			Dichlorodifluoromethane	NS	NS	NS	3/24/09	170	830	5/21/09	120	570	7/29/09	ND	ND
			Dichloroethane[1,1-]	NS	NS	NS	3/24/09	440	1800	5/21/09	310	1300	7/29/09	300	1200
			Dichloroethane[1,2-]	NS	NS	NS	3/24/09	280	1100	5/21/09	200	810	7/29/09	240	980
			Dichloroethene[1,1-]	NS	NS	NS	3/24/09	2300	9300	5/21/09	2000	7800	7/29/09	1900	7500
			Dichloropropane[1,2-]	NS	NS	NS	3/24/09	600	2800	5/21/09	420	1900	7/29/09	410	1900
			Methylene Chloride	NS	NS	NS	3/24/09	1600	5600	5/21/09	1100	3800	7/29/09	1100	3900
			Tetrachloroethene	NS	NS	NS	3/24/09	770	5200	5/21/09	610	4100	7/29/09	590	4000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	3/24/09	5600	43,000	5/21/09	4800	37,000	7/29/09	4800	37,000
			Trichloroethane[1,1,1-]	NS	NS	NS	3/24/09	28,000	150,000	5/21/09	20,000	110,000	7/29/09	22,000	120,000
			Trichloroethene	NS	NS	NS	3/24/09	8200	44,000	5/21/09	5700	31,000	7/29/09	6000	32,000
			Trichlorofluoromethane	NS	NS	NS	3/24/09	1200	6900	5/21/09	850	4800	7/29/09	1000	5700
	160	150–170	Benzene	11/19/08	180	580	3/21/09	170	550	5/21/09	130	430	7/29/09	120	400
			Carbon Tetrachloride	11/19/08	150	940	3/21/09	220	1400	5/21/09	180	1100	7/29/09	150	920
			Chloroform	11/19/08	1100	5500	3/21/09	1200	5800	5/21/09	980	4800	7/29/09	1000	4900
			Dichlorodifluoromethane	11/19/08	200	1000	3/21/09	180	890	5/21/09	140	690	7/29/09	140	710
			Dichloroethane[1,1-]	11/19/08	370	1500	3/21/09	400	1600	5/21/09	330	1300	7/29/09	310	1300
			Dichloroethane[1,2-]	11/19/08	250	1000	3/21/09	270	1100	5/21/09	220	910	7/29/09	250	1000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02024	160	150–170	Dichloroethene[1,1-]	11/19/08	5900	23,000	3/21/09	2500	9900	5/21/09	2300	9100	7/29/09	2300	9300
			Dichloropropane[1,2-]	11/19/08	470	2200	3/21/09	530	2400	5/21/09	ND	ND	7/29/09	420	1900
			Methylene Chloride	11/19/08	1700	6000	3/21/09	2100	7200	5/21/09	1600	5600	7/29/09	1600	5400
			Tetrachloroethene	11/19/08	610	4100	3/21/09	750	5100	5/21/09	670	4500	7/29/09	610	4200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/19/08	4300	33,000	3/21/09	5700	43,000	5/21/09	5400	42,000	7/29/09	5400	41,000
			Trichloroethane[1,1,1-]	11/19/08	24,000	130,000	3/21/09	26,000	140,000	5/21/09	21,000	120,000	7/29/09	24,000	130,000
			Trichloroethene	11/19/08	7100	38,000	3/21/09	7900	43,000	5/21/09	6400	34,000	7/29/09	6500	35,000
			Trichlorofluoromethane	11/19/08	940	5300	3/21/09	1200	6800	5/21/09	1000	5600	7/29/09	1100	6400
54-02025	20	20	Carbon Tetrachloride	11/20/08	140	910	3/20/09	230	1400	5/18/09	200	1200	7/27/09	240	1500
			Chloroform	11/20/08	1300	6300	3/20/09	1300	6200	5/18/09	1200	5800	7/27/09	1500	7200
			Dichlorodifluoromethane	11/20/08	94	460	3/20/09	93	460	5/18/09	80	400	7/27/09	93	460
			Dichloroethane[1,1-]	11/20/08	700	2800	3/20/09	740	3000	5/18/09	730	2900	7/27/09	840	3400
			Dichloroethane[1,2-]	11/20/08	270	1100	3/20/09	310	1200	5/18/09	250	1000	7/27/09	340	1400
			Dichloroethene[1,1-]	11/20/08	6300	25,000	3/20/09	1300	5200	5/18/09	1300	5200	7/27/09	1500	6000
			Dichloropropane[1,2-]	11/20/08	1900	8900	3/20/09	2000	9100	5/18/09	2000	9200	7/27/09	2400	11,000
			Methylene Chloride	11/20/08	ND	ND	3/20/09	130	450	5/18/09	ND	ND	7/27/09	71	250
			Tetrachloroethene	11/20/08	1200	8500	3/20/09	1400	9600	5/18/09	1400	9800	7/27/09	1800	12,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/20/08	3200	25,000	3/20/09	6200	48,000	5/18/09	6700	51,000	7/27/09	8400	65,000
			Trichloroethane[1,1,1-]	11/20/08	37,000	200,000	3/20/09	40,000	220,000	5/18/09	36,000	200,000	7/27/09	45,000	240,000
			Trichloroethene	11/20/08	7400	40,000	3/20/09	8000	43,000	5/18/09	7400	40,000	7/27/09	9000	48,000
			Trichlorofluoromethane	11/20/08	480	2700	3/20/09	820	4600	5/18/09	750	4200	7/27/09	870	4900
	100	100	Benzene	11/20/08	320	1000	3/20/09	280	900	5/18/09	280	900	7/27/09	280	900
			Carbon Tetrachloride	11/20/08	260	1600	3/20/09	430	2700	5/18/09	410	2600	7/27/09	470	3000
			Chlorobenzene	11/20/08	110	510	3/20/09	ND	ND	5/18/09	110	530	7/27/09	130	600

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02025	100	100	Chloroform	11/20/08	2700	13,000	3/20/09	2600	13,000	5/18/09	2600	13,000	7/27/09	2900	14,000
			Dichlorodifluoromethane	11/20/08	270	1300	3/20/09	200	1000	5/18/09	200	990	7/27/09	220	1100
			Dichloroethane[1,1-]	11/20/08	1300	5100	3/20/09	1200	4700	5/18/09	1200	5000	7/27/09	1300	5400
			Dichloroethane[1,2-]	11/20/08	1600	6500	3/20/09	1600	6300	5/18/09	1500	6200	7/27/09	1700	7000
			Dichloroethene[1,1-]	11/20/08	17,000	68,000	3/20/09	3400	14,000	5/18/09	3800	15,000	7/27/09	4000	16,000
			Dichloropropane[1,2-]	11/20/08	3600	16,000	3/20/09	3600	17,000	5/18/09	3800	17,000	7/27/09	4000	19,000
			Ethanol	11/20/08	900	1700	3/20/09	920 (J-)	1700 (J-)	5/18/09	ND	ND	7/27/09	ND	ND
			Methylene Chloride	11/20/08	2800	9800	3/20/09	2800	9700	5/18/09	3000	10,000	7/27/09	2900	10,000
			Tetrachloroethene	11/20/08	2100	14,000	3/20/09	2300	16,000	5/18/09	2300	16,000	7/27/09	2800	19,000
			Tetrahydrofuran	11/20/08	370	1100	3/20/09	430	1300	5/18/09	460	1300	7/27/09	480	1400
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/20/08	8200	63,000	3/20/09	9500	73,000	5/18/09	10,000	78,000	7/27/09	12,000	90,000
			Trichloroethane[1,1,1-]	11/20/08	62,000	340,000	3/20/09	66,000	360,000	5/18/09	63,000	340,000	7/27/09	74,000	410,000
			Trichloroethene	11/20/08	16,000	89,000	3/20/09	16,000	88,000	5/18/09	16,000	86,000	7/27/09	18,000	98,000
			Trichlorofluoromethane	11/20/08	1500	8400	3/20/09	2000	11,000	5/18/09	2000	11,000	7/27/09	2200	12,000
			Xylene[1,2-]	11/20/08	190	820	3/20/09	190	840	5/18/09	200	880	7/27/09	220	970
	160	160	Benzene	11/20/08	470	1500	3/20/09	420	1400	5/18/09	430	1400	7/27/09	440	1400
			Carbon Tetrachloride	11/20/08	350	2200	3/20/09	460	2900	5/18/09	500	3100	7/27/09	530	3300
			Chlorobenzene	11/20/08	ND	ND	3/20/09	100	460	5/18/09	100	480	7/27/09	120	550
			Chloroform	11/20/08	2900	14,000	3/20/09	2800	14,000	5/18/09	2900	14,000	7/27/09	3200	15,000
			Dichlorodifluoromethane	11/20/08	360	1800	3/20/09	290	1400	5/18/09	270	1300	7/27/09	290	1400
			Dichloroethane[1,1-]	11/20/08	1100	4500	3/20/09	1100	4400	5/18/09	1200	4800	7/27/09	1200	4900
			Dichloroethane[1,2-]	11/20/08	1300	5400	3/20/09	1400	5600	5/18/09	1400	5600	7/27/09	1600	6300
			Dichloroethene[1,1-]	11/20/08	18,000	70,000	3/20/09	5000	20,000	5/18/09	5600	22,000	7/27/09	5800	23,000
			Dichloropropane[1,2-]	11/20/08	2700	13,000	3/20/09	2900	13,000	5/18/09	3100	14,000	7/27/09	3200	15,000
			Ethanol	11/20/08	ND	ND	3/20/09	460 (J-)	860 (J-)	5/18/09	ND	ND	7/27/09	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02025	160	160	Hexane	11/20/08	110	400	3/20/09	120	410	5/18/09	130	440	7/27/09	130	460
			Methylene Chloride	11/20/08	6800	24,000	3/20/09	7000	24,000	5/18/09	7300	26,000	7/27/09	7300	25,000
			Tetrachloroethene	11/20/08	1900	13,000	3/20/09	2100	14,000	5/18/09	2200	15,000	7/27/09	2500	17,000
			Toluene	11/20/08	720	2700	3/20/09	660	2500	5/18/09	650	2500	7/27/09	720	2700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/20/08	9500	73,000	3/20/09	12,000	89,000	5/18/09	13,000	97,000	7/27/09	14,000	110,000
			Trichloroethane[1,1,1-]	11/20/08	58,000	320,000	3/20/09	65,000	350,000	5/18/09	63,000	350,000	7/27/09	72,000	390,000
			Trichloroethene	11/20/08	17,000	93,000	3/20/09	18,000	96,000	5/18/09	18,000	95,000	7/27/09	20,000	100,000
			Trichlorofluoromethane	11/20/08	1800	10,000	3/20/09	2500	14,000	5/18/09	2400	14,000	7/27/09	2600	15,000
			Xylene[1,2-]	11/20/08	220	960	3/20/09	220	950	5/18/09	210	930	7/27/09	260	1100
			Xylene[1,3-]+Xylene[1,4-]	11/20/08	110	470	3/20/09	99	430	5/18/09	ND	ND	7/27/09	110	490
54-02026	20	20	Carbon Disulfide	11/20/08	ND	ND	3/20/09	17	54	5/21/09	ND	ND	7/29/09	ND	ND
			Carbon Tetrachloride	11/20/08	ND	ND	3/20/09	ND	ND	5/21/09	ND	ND	7/29/09	6.4	40
			Chloroform	11/20/08	46	220	3/20/09	46	220	5/21/09	44	210	7/29/09	50	250
			Dichlorodifluoromethane	11/20/08	11	54	3/20/09	9.1	45	5/21/09	ND	ND	7/29/09	9.8	48
			Dichloroethane[1,1-]	11/20/08	10	42	3/20/09	9.7	39	5/21/09	10	41	7/29/09	11	43
			Dichloroethene[1,1-]	11/20/08	230	920	3/20/09	68	270	5/21/09	66	260	7/29/09	74	290
			Dichloropropane[1,2-]	11/20/08	ND	ND	3/20/09	ND	ND	5/21/09	ND	ND	7/29/09	7.7	36
			Propanol[2-]	11/20/08	45	110	3/20/09	ND	ND	5/21/09	ND	ND	7/29/09	ND	ND
			Tetrachloroethene	11/20/08	28	190	3/20/09	30	200	5/21/09	31	210	7/29/09	34	230
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/20/08	190	1500	3/20/09	220	1700	5/21/09	250	1900	7/29/09	260	2000
			Trichloroethane[1,1,1-]	11/20/08	960	5200	3/20/09	1000	5500	5/21/09	990	5400	7/29/09	1300	7000
			Trichloroethene	11/20/08	260	1400	3/20/09	280	1500	5/21/09	260	1400	7/29/09	290	1600
			Trichlorofluoromethane	11/20/08	34	190	3/20/09	44	250	5/21/09	40	220	7/29/09	53	300

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02026	100	100	Carbon Tetrachloride	11/20/08	15	92	3/20/09	17	100	5/21/09	19	120	7/29/09	19	120
			Chloroform	11/20/08	100	510	3/20/09	100	500	5/21/09	94	460	7/29/09	110	560
			Dichlorodifluoromethane	11/20/08	30	150	3/20/09	26	130	5/21/09	22	110	7/29/09	28	140
			Dichloroethane[1,1-]	11/20/08	25	100	3/20/09	24	96	5/21/09	22	91	7/29/09	25	100
			Dichloroethene[1,1-]	11/20/08	490	1900	3/20/09	200	780	5/21/09	200	800	7/29/09	240	940
			Dichloropropane[1,2-]	11/20/08	15	70	3/20/09	15	70	5/21/09	14	66	7/29/09	15	70
			Methylene Chloride	11/20/08	10	36	3/20/09	11	38	5/21/09	9.3	32	7/29/09	12	40
			Tetrachloroethene	11/20/08	62	420	3/20/09	65	440	5/21/09	67	450	7/29/09	73	500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/20/08	500	3800	3/20/09	560	4300	5/21/09	620	4800	7/29/09	700	5400
			Trichloroethane[1,1,1-]	11/20/08	2300	12,000	3/20/09	2200	12,000	5/21/09	2100	11,000	7/29/09	2900	16,000
			Trichloroethene	11/20/08	640	3400	3/20/09	640	3400	5/21/09	600	3200	7/29/09	700	3800
			Trichlorofluoromethane	11/20/08	78	440	3/20/09	100	590	5/21/09	95	530	7/29/09	140	800
	160	160	Carbon Tetrachloride	11/20/08	26	160	3/20/09	30	190	5/21/09	28	180	7/29/09	25	160
			Chloroform	11/20/08	120	570	3/20/09	120	570	5/21/09	100	510	7/29/09	100	510
			Dichlorodifluoromethane	11/20/08	50	250	3/20/09	41	200	5/21/09	35	170	7/29/09	36	180
			Dichloroethane[1,1-]	11/20/08	28	110	3/20/09	27	110	5/21/09	24	99	7/29/09	23	95
			Dichloroethene[1,1-]	11/20/08	760	3000	3/20/09	330	1300	5/21/09	320	1300	7/29/09	330	1300
			Dichloropropane[1,2-]	11/20/08	9.6	44	3/20/09	9.2	42	5/21/09	ND	ND	7/29/09	ND	ND
			Methylene Chloride	11/20/08	59	200	3/20/09	64	220	5/21/09	56	190	7/29/09	52	180
			Tetrachloroethene	11/20/08	86	580	3/20/09	85	580	5/21/09	84	570	7/29/09	78	520
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/20/08	750	5800	3/20/09	860	6600	5/21/09	870	6700	7/29/09	850	6500
			Trichloroethane[1,1,1-]	11/20/08	2700	15,000	3/20/09	2800	16,000	5/21/09	2500	14,000	7/29/09	2800	15,000
			Trichloroethene	11/20/08	840	4500	3/20/09	850	4600	5/21/09	740	4000	7/29/09	720	3900
			Trichlorofluoromethane	11/20/08	110	640	3/20/09	150	860	5/21/09	130	740	7/29/09	160	910

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02027	20	20	Carbon Tetrachloride	11/20/08	ND	ND	3/20/09	ND	ND	5/20/09	ND	ND	7/28/09	14	90
			Chloroform	11/20/08	200	1000	3/20/09	200	1000	5/20/09	230	1100	7/28/09	220	1100
			Dichlorodifluoromethane	11/20/08	27	130	3/20/09	26	130	5/20/09	28 (J+)	140 (J+)	7/28/09	26	130
			Dichloroethane[1,1-]	11/20/08	55	220	3/20/09	57	230	5/20/09	64	260	7/28/09	62	250
			Dichloroethene[1,1-]	11/20/08	780	3100	3/20/09	270	1000	5/20/09	370	1500	7/28/09	300	1200
			Dichloropropane[1,2-]	11/20/08	79	370	3/20/09	81	370	5/20/09	90	420	7/28/09	90	420
			Tetrachloroethene	11/20/08	120	840	3/20/09	120	850	5/20/09	160	1100	7/28/09	160	1000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/20/08	630	4800	3/20/09	800	6200	5/20/09	910	7000	7/28/09	920	7100
			Trichloroethane[1,1,1-]	11/20/08	4000	22,000	3/20/09	4200	23,000	5/20/09	5000	27,000	7/28/09	4700	26,000
			Trichloroethene	11/20/08	990	5300	3/20/09	1000	5700	5/20/09	1200	6400	7/28/09	1100	6100
			Trichlorofluoromethane	11/20/08	120	700	3/20/09	170	950	5/20/09	140	800	7/28/09	170	970
	100	100	Benzene	11/20/08	40	130	3/20/09	39	120	5/20/09	36	120	7/28/09	35	110
			Carbon Tetrachloride	11/20/08	50	320	3/20/09	75	470	5/20/09	ND	ND	7/28/09	69	440
			Chloroform	11/20/08	670	3300	3/20/09	650	3200	5/20/09	640	3200	7/28/09	640	3100
			Dichlorodifluoromethane	11/20/08	100	520	3/20/09	84	420	5/20/09	86 (J+)	430 (J+)	7/28/09	80	400
			Dichloroethane[1,1-]	11/20/08	180	720	3/20/09	160	670	5/20/09	160	660	7/28/09	170	680
			Dichloroethane[1,2-]	11/20/08	ND	ND	3/20/09	60	240	5/20/09	63	260	7/28/09	60	240
			Dichloroethene[1,1-]	11/20/08	2200	8800	3/20/09	970	3800	5/20/09	1000	4200	7/28/09	1000	4100
			Dichloropropane[1,2-]	11/20/08	260	1200	3/20/09	260	1200	5/20/09	250	1200	7/28/09	260	1200
			Methylene Chloride	11/20/08	250	860	3/20/09	250	880	5/20/09	250	860	7/28/09	240	830
			Tetrachloroethene	11/20/08	390	2600	3/20/09	390	2600	5/20/09	450	3000	7/28/09	420	2800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/20/08	2600	20,000	3/20/09	2700	21,000	5/20/09	2900	22,000	7/28/09	3000	23,000
			Trichloroethane[1,1,1-]	11/20/08	14,000	78,000	3/20/09	13,000	71,000	5/20/09	14,000	75,000	7/28/09	13,000	71,000
			Trichloroethene	11/20/08	3400	18,000	3/20/09	3400	18,000	5/20/09	3400	18,000	7/28/09	3300	18,000
			Trichlorofluoromethane	11/20/08	460	2600	3/20/09	540	3000	5/20/09	400	2200	7/28/09	530	3000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02027	200	200	Benzene	11/20/08	110	340	3/20/09	110	340	5/20/09	110	350	7/28/09	110	340
			Butanone[2-]	11/20/08	ND	ND	3/20/09	ND	ND	5/20/09	ND	ND	7/28/09	41	120
			Carbon Tetrachloride	11/20/08	100	670	3/20/09	130	830	5/20/09	160	1000	7/28/09	140	910
			Chloroform	11/20/08	600	3000	3/20/09	620	3000	5/20/09	660	3200	7/28/09	670	3300
			Dichlorodifluoromethane	11/20/08	170	860	3/20/09	150	730	5/20/09	160 (J+)	810 (J+)	7/28/09	150	760
			Dichloroethane[1,1-]	11/20/08	140	560	3/20/09	130	540	5/20/09	130	520	7/28/09	150	610
			Dichloroethane[1,2-]	11/20/08	32	130	3/20/09	35	140	5/20/09	39	160	7/28/09	35	140
			Dichloroethene[1,1-]	11/20/08	2800	11,000	3/20/09	1700	6800	5/20/09	2000	7800	7/28/09	2000	7800
			Dichloropropane[1,2-]	11/20/08	98	450	3/20/09	100	470	5/20/09	110	500	7/28/09	110	520
			Methylene Chloride	11/20/08	940	3300	3/20/09	1100	3800	5/20/09	1200	4000	7/28/09	1200	4000
			Tetrachloroethene	11/20/08	400	2700	3/20/09	410	2800	5/20/09	480	3300	7/28/09	460	3100
			Toluene	11/20/08	240	900	3/20/09	240	890	5/20/09	250	940	7/28/09	260	960
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/20/08	3300	25,000	3/20/09	3700	28,000	5/20/09	4100	32,000	7/28/09	4400	34,000
			Trichloroethane[1,1,1-]	11/20/08	13,000	71,000	3/20/09	12,000	68,000	5/20/09	14,000	77,000	7/28/09	14,000	75,000
			Trichloroethene	11/20/08	3600	20,000	3/20/09	3700	20,000	5/20/09	3900	21,000	7/28/09	3900	21,000
			Trichlorofluoromethane	11/20/08	580	3300	3/20/09	650	3700	5/20/09	570	3200	7/28/09	710	4000
54-02028	20	20	Carbon Tetrachloride	11/26/08	ND	ND	3/21/09	ND	ND	5/21/09	ND	ND	7/30/09	5.8	37
			Chloroform	11/26/08	46	230	3/21/09	55	270	5/21/09	50	240	7/30/09	50	240
			Dichlorodifluoromethane	11/26/08	9	45	3/21/09	ND	ND	5/21/09	ND	ND	7/30/09	6	30
			Dichloroethane[1,1-]	11/26/08	16	65	3/21/09	19	78	5/21/09	17	70	7/30/09	17	68
			Dichloroethene[1,1-]	11/26/08	240	970	3/21/09	84	330	5/21/09	74	290	7/30/09	74	290
			Dichloropropane[1,2-]	11/26/08	15	70	3/21/09	17	80	5/21/09	15	72	7/30/09	16	75
			Tetrachloroethene	11/26/08	38	260	3/21/09	41	280	5/21/09	44	300	7/30/09	43	290
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/26/08	200	1600	3/21/09	260	2000	5/21/09	280	2100	7/30/09	260	2000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02028	20	20	Trichloroethane[1,1,1-]	11/26/08	1200	6300	3/21/09	1400	7800	5/21/09	1300	7100	7/30/09	1400	7800
			Trichloroethene	11/26/08	340	1800	3/21/09	410	2200	5/21/09	360	2000	7/30/09	370	2000
			Trichlorofluoromethane	11/26/08	31	180	3/21/09	50	280	5/21/09	43	240	7/30/09	46	260
	100	100	Carbon Tetrachloride	11/26/08	13	83	3/21/09	18	110	5/21/09	16	100	7/30/09	ND	ND
			Chloroform	11/26/08	100	500	3/21/09	100	520	5/21/09	99	480	7/30/09	85	420
			Dichlorodifluoromethane	11/26/08	27	130	3/21/09	22	110	5/21/09	21	100	7/30/09	13	63
			Dichloroethane[1,1-]	11/26/08	33	130	3/21/09	35	140	5/21/09	31	130	7/30/09	26	100
			Dichloroethene[1,1-]	11/26/08	530	2100	3/21/09	210	840	5/21/09	220	890	7/30/09	190	740
			Dichloropropane[1,2-]	11/26/08	ND	ND	3/21/09	23	110	5/21/09	21	99	7/30/09	17	80
			Methylene Chloride	11/26/08	26	90	3/21/09	30	100	5/21/09	26	89	7/30/09	20	68
			Tetrachloroethene	11/26/08	68	460	3/21/09	69	470	5/21/09	67	460	7/30/09	57	380
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/26/08	530	4100	3/21/09	580	4400	5/21/09	630	4900	7/30/09	530	4100
			Trichloroethane[1,1,1-]	11/26/08	2500	14,000	3/21/09	2600	14,000	5/21/09	2400	13,000	7/30/09	2100	12,000
			Trichloroethene	11/26/08	760	4000	3/21/09	800	4300	5/21/09	730	3900	7/30/09	630	3400
			Trichlorofluoromethane	11/26/08	89	500	3/21/09	120	650	5/21/09	110	600	7/30/09	87	490
	160	160	Carbon Tetrachloride	11/26/08	24	150	3/21/09	26	170	5/21/09	28	170	7/30/09	19	120
			Chloroform	11/26/08	110	550	3/21/09	110	560	5/21/09	100	500	7/30/09	89	440
			Dichlorodifluoromethane	11/26/08	49	240	3/21/09	42	210	5/21/09	35	170	7/30/09	23	120
			Dichloroethane[1,1-]	11/26/08	34	140	3/21/09	34	140	5/21/09	30	120	7/30/09	27	110
			Dichloroethene[1,1-]	11/26/08	690	2700	3/21/09	340	1300	5/21/09	340	1400	7/30/09	300	1200
			Dichloropropane[1,2-]	11/26/08	11	51	3/21/09	12	57	5/21/09	10	48	7/30/09	ND	ND
			Methylene Chloride	11/26/08	74	260	3/21/09	85	300	5/21/09	73	250	7/30/09	58	200
			Tetrachloroethene	11/26/08	79	540	3/21/09	77	520	5/21/09	77	520	7/30/09	65	440
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/26/08	800	6100	3/21/09	860	6600	5/21/09	900	6900	7/30/09	790	6100

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02028	160	160	Trichloroethane[1,1,1-]	11/26/08	3100	17,000	3/21/09	3000	16,000	5/21/09	2700	15,000	7/30/09	2500	14,000
			Trichloroethene	11/26/08	950	5100	3/21/09	970	5200	5/21/09	860	4600	7/30/09	780	4200
			Trichlorofluoromethane	11/26/08	140	770	3/21/09	160	910	5/21/09	140	790	7/30/09	130	710
54-02031	20	20	Carbon Tetrachloride	11/12/08	ND	ND	3/12/09	ND	ND	5/7/09	41	260	8/17/09	ND	ND
			Chloroform	11/12/08	140	690	3/12/09	170	810	5/7/09	150	720	8/17/09	110	560
			Dichlorodifluoromethane	11/12/08	67	330	3/12/09	100	490	5/7/09	71	350	8/17/09	51	250
			Dichloroethane[1,1-]	11/12/08	300	1200	3/12/09	350	1400	5/7/09	340	1400	8/17/09	250	1000
			Dichloroethane[1,2-]	11/12/08	ND	ND	3/12/09	ND	ND	5/7/09	66	260	8/17/09	46	180
			Dichloroethene[1,1-]	11/12/08	2100	8200	3/12/09	780	3100	5/7/09	820	3200	8/17/09	580	2300
			Dichloropropane[1,2-]	11/12/08	ND	ND	3/12/09	ND	ND	5/7/09	30	140	8/17/09	ND	ND
			Tetrachloroethene	11/12/08	440	3000	3/12/09	480	3200	5/7/09	480	3300	8/17/09	450	3000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/08	480	3700	3/12/09	ND	ND	5/7/09	630	4800	8/17/09	590	4500
			Trichloroethane[1,1,1-]	11/12/08	12,000	64,000	3/12/09	14,000	79,000	5/7/09	12,000	67,000	8/17/09	10,000	55,000
			Trichloroethene	11/12/08	2600	14,000	3/12/09	3200	17,000	5/7/09	2900	16,000	8/17/09	2400	13,000
			Trichlorofluoromethane	11/12/08	120	670	3/12/09	130	730	5/7/09	120	660	8/17/09	92	520
	100	100	Carbon Tetrachloride	11/12/08	ND	ND	3/12/09	97	610	5/7/09	140	870	8/17/09	ND	ND
			Chloroform	11/12/08	300	1500	3/12/09	350	1700	5/7/09	310	1500	8/17/09	250	1200
			Dichlorodifluoromethane	11/12/08	180	900	3/12/09	230	1100	5/7/09	180	880	8/17/09	130	630
			Dichloroethane[1,1-]	11/12/08	700	2800	3/12/09	760	3100	5/7/09	750	3000	8/17/09	560	2200
			Dichloroethane[1,2-]	11/12/08	330	1300	3/12/09	350	1400	5/7/09	400	1600	8/17/09	290	1200
			Dichloroethene[1,1-]	11/12/08	5200	21,000	3/12/09	1800	7400	5/7/09	2000	7800	8/17/09	1400	5800
			Dichloropropane[1,2-]	11/12/08	54	250	3/12/09	ND	ND	5/7/09	88	400	8/17/09	ND	ND
			Methylene Chloride	11/12/08	280	980	3/12/09	330	1100	5/7/09	320	1100	8/17/09	200	710
			Tetrachloroethene	11/12/08	1000	7000	3/12/09	1100	7600	5/7/09	1200	8100	8/17/09	1000	6900

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02031	100	100	Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/08	1500	11,000	3/12/09	ND	ND	5/7/09	2000	16,000	8/17/09	1800	14,000
			Trichloroethane[1,1,1-]	11/12/08	28,000	150,000	3/12/09	33,000	180,000	5/7/09	29,000	160,000	8/17/09	24,000	130,000
			Trichloroethene	11/12/08	6700	36,000	3/12/09	7900	43,000	5/7/09	7400	40,000	8/17/09	6100	33,000
			Trichlorofluoromethane	11/12/08	330	1800	3/12/09	330	1800	5/7/09	320	1800	8/17/09	250	1400
	160	160	Carbon Tetrachloride	11/12/08	ND	ND	3/12/09	120	760	5/7/09	170	1000	8/17/09	85	540
			Chloroform	11/12/08	270	1300	3/12/09	340	1600	5/7/09	320	1600	8/17/09	240	1100
			Dichlorodifluoromethane	11/12/08	210	1000	3/12/09	310	1600	5/7/09	240	1200	8/17/09	140	700
			Dichloroethane[1,1-]	11/12/08	530	2200	3/12/09	710	2900	5/7/09	720	2900	8/17/09	500	2000
			Dichloroethane[1,2-]	11/12/08	210	860	3/12/09	ND	ND	5/7/09	260	1100	8/17/09	210	840
			Dichloroethene[1,1-]	11/12/08	5100	20,000	3/12/09	2200	8800	5/7/09	2500	9900	8/17/09	1700	6900
			Dichloropropane[1,2-]	11/12/08	ND	ND	3/12/09	ND	ND	5/7/09	63	290	8/17/09	ND	ND
			Methylene Chloride	11/12/08	400	1400	3/12/09	550	1900	5/7/09	550	1900	8/17/09	350	1200
			Tetrachloroethene	11/12/08	1000	6800	3/12/09	1100	7400	5/7/09	1200	8500	8/17/09	1100	7200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/08	1800	14,000	3/12/09	ND	ND	5/7/09	2700	20,000	8/17/09	2200	17,000
			Trichloroethane[1,1,1-]	11/12/08	24,000	130,000	3/12/09	35,000	190,000	5/7/09	30,000	170,000	8/17/09	24,000	130,000
			Trichloroethene	11/12/08	6400	35,000	3/12/09	8400	45,000	5/7/09	8100	44,000	8/17/09	6500	35,000
			Trichlorofluoromethane	11/12/08	340	1900	3/12/09	420	2400	5/7/09	420	2400	8/17/09	300	1700
	260	260	Carbon Tetrachloride	11/12/08	ND	ND	3/12/09	130	820	5/7/09	130	830	8/17/09	69	430
			Chloroform	11/12/08	180	900	3/12/09	220	1100	5/7/09	190	920	8/17/09	120	580
			Dichlorodifluoromethane	11/12/08	260	1300	3/12/09	340	1700	5/7/09	240	1200	8/17/09	110	540
			Dichloroethane[1,1-]	11/12/08	330	1300	3/12/09	390	1600	5/7/09	370	1500	8/17/09	210	870
			Dichloroethane[1,2-]	11/12/08	ND	ND	3/12/09	ND	ND	5/7/09	65	260	8/17/09	ND	ND
			Dichloroethene[1,1-]	11/12/08	2500	9900	3/12/09	2500	9900	5/7/09	2400	9500	8/17/09	1500	5800
			Methylene Chloride	11/12/08	310	1100	3/12/09	370	1300	5/7/09	340	1200	8/17/09	190	660

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02031	260	260	Tetrachloroethene	11/12/08	830	5600	3/12/09	860	5800	5/7/09	860	5800	8/17/09	620	4200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/08	2400	18,000	3/12/09	ND	ND	5/7/09	2600	20,000	8/17/09	1900	15,000
			Trichloroethane[1,1,1-]	11/12/08	22,000	120,000	3/12/09	24,000	130,000	5/7/09	19,000	100,000	8/17/09	13,000	72,000
			Trichloroethene	11/12/08	5500	30,000	3/12/09	6400	34,000	5/7/09	5500	30,000	8/17/09	3800	21,000
			Trichlorofluoromethane	11/12/08	390	2200	3/12/09	460	2600	5/7/09	400	2300	8/17/09	250	1400
54-02034	20	20	Chloroform	11/13/08	26	120	3/10/09	26	120	5/4/09	24	120	7/22/09	25	120
			Dichlorodifluoromethane	11/13/08	36	180	3/10/09	42	210	5/4/09	34	170	7/22/09	34	170
			Dichloroethane[1,1-]	11/13/08	89	360	3/10/09	89	360	5/4/09	89	360	7/22/09	84	340
			Dichloroethene[1,1-]	11/13/08	450	1800	3/10/09	180	700	5/4/09	180	720	7/22/09	190	750
			Tetrachloroethene	11/13/08	72	490	3/10/09	70	480	5/4/09	75	510	7/22/09	49 (J)	330 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/08	60	460	3/10/09	62	480	5/4/09	68	520	7/22/09	73	560
			Trichloroethane[1,1,1-]	11/13/08	6400	35,000	3/10/09	6200	34,000	5/4/09	5700	31,000	7/22/09	6000	33,000
			Trichloroethene	11/13/08	860	4600	3/10/09	920	5000	5/4/09	900	4800	7/22/09	870	4700
			Trichlorofluoromethane	11/13/08	28	160	3/10/09	27	150	5/4/09	28	160	7/22/09	27	150
	60	60	Chloroform	11/13/08	35	170	3/10/09	37	180	5/4/09	24	120	7/22/09	38	190
			Dichlorodifluoromethane	11/13/08	56	280	3/10/09	70	350	5/4/09	33	160	7/22/09	60	300
			Dichloroethane[1,1-]	11/13/08	170	710	3/10/09	180	740	5/4/09	90	360	7/22/09	180	750
			Dichloroethane[1,2-]	11/13/08	63	250	3/10/09	55	220	5/4/09	ND	ND	7/22/09	57	230
			Dichloroethene[1,1-]	11/13/08	520	2100	3/10/09	330	1300	5/4/09	200	800	7/22/09	370	1400
			Dichloropropane[1,2-]	11/13/08	ND	ND	3/10/09	ND	ND	5/4/09	ND	ND	7/22/09	12	56
			Methylene Chloride	11/13/08	20	71	3/10/09	29	100	5/4/09	ND	ND	7/22/09	26	90
			Tetrachloroethene	11/13/08	110	750	3/10/09	110	720	5/4/09	74	500	7/22/09	75 (J)	510 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/08	100	760	3/10/09	110	810	5/4/09	68	520	7/22/09	120	950

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
			Trichloroethane[1,1,1-]	11/13/08	10,000	55,000	3/10/09	10,000	54,000	5/4/09	5700	31,000	7/22/09	10,000	55,000
54-02034	60	60	Trichloroethene	11/13/08	1600	8600	3/10/09	1700	9100	5/4/09	900	4800	7/22/09	1600	8800
			Trichlorofluoromethane	11/13/08	40	220	3/10/09	47	260	5/4/09	29	160	7/22/09	50	280
	160	160	Carbon Tetrachloride	11/13/08	ND	ND	3/10/09	ND	ND	5/4/09	ND	ND	7/22/09	18	110
			Chloroform	11/13/08	23	110	3/10/09	23	110	5/4/09	24	120	7/22/09	23	110
			Dichlorodifluoromethane	11/13/08	77	380	3/10/09	110	530	5/4/09	89	440	7/22/09	91	450
			Dichloroethane[1,1-]	11/13/08	98	400	3/10/09	120	480	5/4/09	120	510	7/22/09	120	490
			Dichloroethane[1,2-]	11/13/08	ND	ND	3/10/09	12	47	5/4/09	13	52	7/22/09	13	53
			Dichloroethene[1,1-]	11/13/08	600	2400	3/10/09	530	2100	5/4/09	590	2300	7/22/09	560	2200
			Methylene Chloride	11/13/08	51	180	3/10/09	60	210	5/4/09	59	210	7/22/09	54	190
			Tetrachloroethene	11/13/08	66	450	3/10/09	73	500	5/4/09	78	530	7/22/09	51 (J)	350 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/08	140	1100	3/10/09	160	1200	5/4/09	190	1500	7/22/09	190	1400
			Trichloroethane[1,1,1-]	11/13/08	7200	39,000	3/10/09	7600	41,000	5/4/09	7000	38,000	7/22/09	7600	41,000
			Trichloroethene	11/13/08	1200	6600	3/10/09	1400	7600	5/4/09	1400	7600	7/22/09	1300	7200
			Trichlorofluoromethane	11/13/08	67	370	3/10/09	83	470	5/4/09	84	470	7/22/09	84	470
	260	260	Dichlorodifluoromethane	11/13/08	40	200	3/10/09	50	250	5/4/09	38	190	7/22/09	45	220
			Dichloroethene[1,1-]	11/13/08	160	640	3/10/09	150	580	5/4/09	160	640	7/22/09	170	670
			Methanol	11/13/08	1400 (J)	1900 (J)	3/10/09	ND	ND	5/4/09	ND	ND	7/22/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/08	66	510	3/10/09	66	510	5/4/09	69	530	7/22/09	78	600
			Trichloroethane[1,1,1-]	11/13/08	730	4000	3/10/09	780	4300	5/4/09	720	3900	7/22/09	830	4500
			Trichloroethene	11/13/08	35	190	3/10/09	48	260	5/4/09	50	270	7/22/09	57	310
			Trichlorofluoromethane	11/13/08	56	310	3/10/09	58	330	5/4/09	54	300	7/22/09	59	330
	300	300	Acetone	11/13/08	ND	ND	3/10/09	4	9.6	5/4/09	ND	ND	7/22/09	ND	ND
			Carbon Disulfide	11/13/08	ND	ND	3/10/09	1.5	4.6	5/4/09	ND	ND	7/22/09	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
			Carbon Tetrachloride	11/13/08	ND	ND	3/10/09	0.98	6.2	5/4/09	ND	ND	7/22/09	ND	ND
54-02034	300	300	Dichlorodifluoromethane	11/13/08	ND	ND	3/10/09	7.4	36	5/4/09	3	15	7/22/09	10	51
			Dichloroethene[1,1-]	11/13/08	24	94	3/10/09	24	96	5/4/09	11	45	7/22/09	28	110
			Tetrachloroethene	11/13/08	ND	ND	3/10/09	0.94	6.4	5/4/09	ND	ND	7/22/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/08	9.2	70	3/10/09	15	120	5/4/09	4.8	36	7/22/09	17	130
			Trichloroethane[1,1,1-]	11/13/08	51	280	3/10/09	63	340	5/4/09	19	100	7/22/09	75	410
			Trichloroethene	11/13/08	ND	ND	3/10/09	2.4	13	5/4/09	1	5.4	7/22/09	ND	ND
			Trichlorofluoromethane	11/13/08	15	82	3/10/09	14	78	5/4/09	5	28	7/22/09	16	93
54-02089	31	31	Carbon Tetrachloride	11/7/08	ND	ND	3/16/09	1700	11,000	5/6/09	1600	10,000	7/21/09	860	5400
			Chloroform	11/7/08	9000	44,000	3/16/09	7400	36,000	5/6/09	7100	34,000	7/21/09	4000	20,000
			Dichlorodifluoromethane	11/7/08	870	4300	3/16/09	930	4600	5/6/09	ND	ND	7/21/09	450	2200
			Dichloroethane[1,1-]	11/7/08	20,000	80,000	3/16/09	17,000	69,000	5/6/09	16,000	67,000	7/21/09	9400	38,000
			Dichloroethane[1,2-]	11/7/08	84,000	340,000	3/16/09	86,000	350,000	5/6/09	91,000	370,000	7/21/09	57,000	230,000
			Dichloroethene[1,1-]	11/7/08	83,000	330,000	3/16/09	9800	39,000	5/6/09	9100	36,000	7/21/09	5600	22,000
			Dichloropropane[1,2-]	11/7/08	53,000	240,000	3/16/09	41,000	190,000	5/6/09	39,000	180,000	7/21/09	23,000	100,000
			Hexane	11/7/08	ND	ND	3/16/09	ND	ND	5/6/09	ND	ND	7/21/09	290	1000
			Tetrachloroethene	11/7/08	9800	66,000	3/16/09	7500	51,000	5/6/09	7100	48,000	7/21/09	3100 (J)	21,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/7/08	69,000	530,000	3/16/09	71,000	550,000	5/6/09	81,000	620,000	7/21/09	54,000	410,000
			Trichloroethane[1,1,1-]	11/7/08	450,000	2,500,000	3/16/09	380,000	2,100,000	5/6/09	350,000	1,900,000	7/21/09	190,000	1,000,000
			Trichloroethene	11/7/08	180,000	1,000,000	3/16/09	140,000	740,000	5/6/09	130,000	690,000	7/21/09	73,000	390,000
			Trichlorofluoromethane	11/7/08	3600	20,000	3/16/09	3400	19,000	5/6/09	3300	18,000	7/21/09	1700	9800
	46	46	Carbon Tetrachloride	11/7/08	1800	12,000	3/16/09	1800	12,000	5/6/09	1700	11,000	7/21/09	2300	14,000
			Chloroform	11/7/08	9500	46,000	3/16/09	9100	44,000	5/6/09	7200	35,000	7/21/09	8700	42,000
			Dichlorodifluoromethane	11/7/08	1100	5500	3/16/09	1200	5700	5/6/09	920	4500	7/21/09	980	4800

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
			Dichloroethane[1,1-]	11/7/08	19,000	77,000	3/16/09	18,000	71,000	5/6/09	14,000	57,000	7/21/09	17,000	69,000
54-02089	46	46	Dichloroethane[1,2-]	11/7/08	28,000	120,000	3/16/09	42,000	170,000	5/6/09	37,000	150,000	7/21/09	51,000	200,000
			Dichloroethene[1,1-]	11/7/08	99,000	390,000	3/16/09	11,000	45,000	5/6/09	9000	36,000	7/21/09	10,000	41,000
			Dichloropropane[1,2-]	11/7/08	61,000	280,000	3/16/09	59,000	270,000	5/6/09	47,000	220,000	7/21/09	59,000	270,000
			Hexane	11/7/08	ND	ND	3/16/09	ND	ND	5/6/09	ND	ND	7/21/09	600	2100
			Tetrachloroethene	11/7/08	8200	56,000	3/16/09	8600	58,000	5/6/09	7000	48,000	7/21/09	5800 (J)	39,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/7/08	79,000	610,000	3/16/09	92,000	700,000	5/6/09	87,000	660,000	7/21/09	110,000	870,000
			Trichloroethane[1,1,1-]	11/7/08	510,000	2,800,000	3/16/09	490,000	2,700,000	5/6/09	380,000	2,100,000	7/21/09	440,000	2,400,000
			Trichloroethene	11/7/08	150,000	800,000	3/16/09	150,000	800,000	5/6/09	120,000	640,000	7/21/09	140,000	780,000
			Trichlorofluoromethane	11/7/08	4300	24,000	3/16/09	3700	21,000	5/6/09	3000	17,000	7/21/09	3100	17,000
54-24238	64	63–65	Benzene	11/7/08	ND	ND	3/16/09	ND	ND	5/13/09	820	2600	7/21/09	700	2200
			Carbon Tetrachloride	11/7/08	ND	ND	3/16/09	ND	ND	5/13/09	1800	12,000	7/21/09	1500	9600
			Chloroform	11/7/08	9900	48,000	3/16/09	10,000	50,000	5/13/09	11,000	55,000	7/21/09	9500	47,000
			Dichlorodifluoromethane	11/7/08	1300	6300	3/16/09	1400	7000	5/13/09	1400	6800	7/21/09	1200	5900
			Dichloroethane[1,1-]	11/7/08	13,000	54,000	3/16/09	14,000	57,000	5/13/09	15,000	62,000	7/21/09	13,000	54,000
			Dichloroethane[1,2-]	11/7/08	42,000	170,000	3/16/09	74,000	300,000	5/13/09	64,000	260,000	7/21/09	62,000	250,000
			Dichloroethene[1,1-]	11/7/08	75,000	300,000	3/16/09	14,000	57,000	5/13/09	19,000	74,000	7/21/09	14,000	56,000
			Dichloropropane[1,2-]	11/7/08	79,000	370,000	3/16/09	77,000	350,000	5/13/09	85,000	390,000	7/21/09	72,000	330,000
			Hexane	11/7/08	ND	ND	3/16/09	ND	ND	5/13/09	630	2200	7/21/09	600	2100
			Methylene Chloride	11/7/08	130,000	460,000	3/16/09	120,000	430,000	5/13/09	120,000	430,000	7/21/09	98,000	340,000
			Tetrachloroethene	11/7/08	9400	64,000	3/16/09	11,000	75,000	5/13/09	12,000	84,000	7/21/09	6600 (J)	45,000 (J)
			Tetrahydrofuran	11/7/08	ND	ND	3/16/09	1500	4300	5/13/09	1300	3900	7/21/09	790	2300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/7/08	80,000	610,000	3/16/09	96,000	730,000	5/13/09	120,000	940,000	7/21/09	130,000	1,000,000
			Trichloroethane[1,1,1-]	11/7/08	420,000	2,300,000	3/16/09	440,000	2,400,000	5/13/09	460,000	2,500,000	7/21/09	390,000	2,100,000
			Trichloroethene	11/7/08	120,000	640,000	3/16/09	140,000	720,000	5/13/09	140,000	740,000	7/21/09	120,000	660,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
			Trichlorofluoromethane	11/7/08	4000	23,000	3/16/09	3800	21,000	5/13/09	3900	22,000	7/21/09	3200	18,000
54-24239	25	24–26	Carbon Tetrachloride	11/12/08	550	3500	3/17/09	700	4400	5/6/09	340	2100	7/17/09	630	4000
			Chloroform	11/12/08	3000	14,000	3/17/09	2900	14,000	5/6/09	1400	6600	7/17/09	2600	13,000
			Dichlorodifluoromethane	11/12/08	310	1500	3/17/09	270	1400	5/6/09	120	570	7/17/09	250	1200
			Dichloroethane[1,1-]	11/12/08	3500	14,000	3/17/09	3500	14,000	5/6/09	1700	7000	7/17/09	3200	13,000
			Dichloroethane[1,2-]	11/12/08	1300	5500	3/17/09	1200	5000	5/6/09	630	2600	7/17/09	1200	4900
			Dichloroethene[1,1-]	11/12/08	19,000	75,000	3/17/09	4800	19,000	5/6/09	2600	10,000	7/17/09	5000	20,000
			Dichloropropane[1,2-]	11/12/08	1600	7200	3/17/09	1500	7000	5/6/09	780	3600	7/17/09	1400	6500
			Tetrachloroethene	11/12/08	37,000	250,000	3/17/09	35,000	240,000	5/6/09	16,000	110,000	7/17/09	20,000 (J)	140,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/08	6200	48,000	3/17/09	6900	53,000	5/6/09	3600	28,000	7/17/09	6700	51,000
			Trichloroethane[1,1,1-]	11/12/08	100,000	560,000	3/17/09	96,000	520,000	5/6/09	44,000	240,000	7/17/09	92,000	500,000
			Trichloroethene	11/12/08	30,000	160,000	3/17/09	29,000	160,000	5/6/09	14,000	76,000	7/17/09	28,000	150,000
			Trichlorofluoromethane	11/12/08	870	4900	3/17/09	740	4200	5/6/09	350	2000	7/17/09	690	3900
	75	74–76	Benzene	11/12/08	ND	ND	3/17/09	ND	ND	5/6/09	240	770	7/17/09	200	640
			Carbon Tetrachloride	11/12/08	ND	ND	3/17/09	900	5600	5/6/09	900	5600	7/17/09	840	5300
			Chloroform	11/12/08	3600	18,000	3/17/09	3600	17,000	5/6/09	3700	18,000	7/17/09	3600	18,000
			Dichlorodifluoromethane	11/12/08	420	2100	3/17/09	390	1900	5/6/09	390	1900	7/17/09	380	1900
			Dichloroethane[1,1-]	11/12/08	4300	17,000	3/17/09	4200	17,000	5/6/09	4500	18,000	7/17/09	4300	18,000
			Dichloroethane[1,2-]	11/12/08	2600	10,000	3/17/09	2400	9900	5/6/09	2600	10,000	7/17/09	2400	9700
			Dichloroethene[1,1-]	11/12/08	23,000	92,000	3/17/09	6900	28,000	5/6/09	8100	32,000	7/17/09	7500	30,000
			Dichloropropane[1,2-]	11/12/08	1700	8000	3/17/09	2000	9000	5/6/09	2100	9600	7/17/09	1900	8700
			Tetrachloroethene	11/12/08	36,000	240,000	3/17/09	44,000	300,000	5/6/09	42,000	280,000	7/17/09	23,000 (J)	160,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/08	8600	66,000	3/17/09	9700	74,000	5/6/09	11,000	86,000	7/17/09	10,000	80,000
			Trichloroethane[1,1,1-]	11/12/08	140,000	760,000	3/17/09	130,000	720,000	5/6/09	130,000	720,000	7/17/09	130,000	740,000
			Trichloroethene	11/12/08	37,000	200,000	3/17/09	41,000	220,000	5/6/09	41,000	220,000	7/17/09	38,000	210,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
			Trichlorofluoromethane	11/12/08	1200	6900	3/17/09	1100	6100	5/6/09	1100	6400	7/17/09	1100	6300
54-24240	28	27–29	Carbon Tetrachloride	11/10/08	ND	ND	3/14/09	1200	7800	5/14/09	ND	ND	7/17/09	930	5800
			Chloroform	11/10/08	4100	20,000	3/14/09	ND	ND	5/14/09	2500	12,000	7/17/09	2700	13,000
			Dichlorodifluoromethane	11/10/08	4500	22,000	3/14/09	3100	15,000	5/14/09	1200	6000	7/17/09	1100	5600
			Dichloroethane[1,1-]	11/10/08	22,000	91,000	3/14/09	21,000	85,000	5/14/09	14,000	59,000	7/17/09	15,000	61,000
			Dichloroethane[1,2-]	11/10/08	180,000	750,000	3/14/09	160,000	630,000	5/14/09	100,000	420,000	7/17/09	100,000	410,000
			Dichloroethene[1,1-]	11/10/08	74,000	290,000	3/14/09	ND	ND	5/14/09	3100	12,000	7/17/09	4000	16,000
			Dichloropropane[1,2-]	11/10/08	680	3100	3/14/09	ND	ND	5/14/09	450	2100	7/17/09	430	2000
			Methylene Chloride	11/10/08	12,000	41,000	3/14/09	4300	15,000	5/14/09	1800	6400	7/17/09	970	3400
			Tetrachloroethene	11/10/08	60,000	410,000	3/14/09	47,000	320,000	5/14/09	35,000	240,000	7/17/09	25,000 (J)	170,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	10,000	80,000	3/14/09	10,000	79,000	5/14/09	10,000	81,000	7/17/09	15,000	110,000
			Trichloroethane[1,1,1-]	11/10/08	410,000	2,300,000	3/14/09	ND	ND	5/14/09	270,000	1,500,000	7/17/09	320,000	1,800,000
			Trichloroethene	11/10/08	220,000	1,200,000	3/14/09	190,000	1,000,000	5/14/09	130,000	680,000	7/17/09	150,000	800,000
			Trichlorofluoromethane	11/10/08	5800	33,000	3/14/09	4200	24,000	5/14/09	2400	14,000	7/17/09	2800	16,000
	53	52–54	Benzene	11/10/08	ND	ND	3/14/09	680	2200	5/14/09	730	2300	7/17/09	690	2200
			Carbon Tetrachloride	11/10/08	1200	7800	3/14/09	1400	9100	5/14/09	1500	9600	7/17/09	1500	9200
			Chloroform	11/10/08	6700	32,000	3/14/09	7800	38,000	5/14/09	6900	34,000	7/17/09	6900	34,000
			Dichlorodifluoromethane	11/10/08	4700	23,000	3/14/09	4200	21,000	5/14/09	2900	14,000	7/17/09	2800	14,000
			Dichloroethane[1,1-]	11/10/08	16,000	66,000	3/14/09	20,000	81,000	5/14/09	20,000	79,000	7/17/09	18,000	71,000
			Dichloroethane[1,2-]	11/10/08	120,000	470,000	3/14/09	ND	ND	5/14/09	150,000	610,000	7/17/09	150,000	590,000
			Dichloroethene[1,1-]	11/10/08	52,000	200,000	3/14/09	ND	ND	5/14/09	5000	20,000	7/17/09	5500	22,000
			Dichloropropane[1,2-]	11/10/08	1000	4700	3/14/09	970	4500	5/14/09	840	3900	7/17/09	720	3300
			Hexane	11/10/08	ND	ND	3/14/09	ND	ND	5/14/09	710	2500	7/17/09	710	2500
			Methylene Chloride	11/10/08	29,000	100,000	3/14/09	23,000	79,000	5/14/09	20,000	70,000	7/17/09	14,000	50,000
			Tetrachloroethene	11/10/08	37,000	250,000	3/14/09	36,000	240,000	5/14/09	38,000	260,000	7/17/09	22,000 (J)	150,000 (J)

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-24240	53	52–54	Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	9400	72,000	3/14/09	12,000	92,000	5/14/09	14,000	110,000	7/17/09	17,000	130,000
			Trichloroethane[1,1,1-]	11/10/08	320,000	1,700,000	3/14/09	430,000	2,300,000	5/14/09	370,000	2,000,000	7/17/09	390,000	2,100,000
			Trichloroethene	11/10/08	130,000	710,000	3/14/09	160,000	850,000	5/14/09	160,000	860,000	7/17/09	160,000	840,000
			Trichlorofluoromethane	11/10/08	5300	30,000	3/14/09	5100	29,000	5/14/09	4700	26,000	7/17/09	4700	27,000
	128	127–129	Carbon Tetrachloride	11/10/08	ND	ND	3/14/09	630	3900	5/14/09	ND	ND	7/17/09	540	3400
			Chloroform	11/10/08	1300	6600	3/14/09	ND	ND	5/14/09	2000	9500	7/17/09	1800	8700
			Dichlorodifluoromethane	11/10/08	1200	6000	3/14/09	ND	ND	5/14/09	1300	6400	7/17/09	1100	5400
			Dichloroethane[1,1-]	11/10/08	6000	24,000	3/14/09	ND	ND	5/14/09	8100	33,000	7/17/09	6500	26,000
			Dichloroethane[1,2-]	11/10/08	7800	32,000	3/14/09	ND	ND	5/14/09	14,000	58,000	7/17/09	12,000	50,000
			Dichloroethene[1,1-]	11/10/08	33,000	130,000	3/14/09	ND	ND	5/14/09	6600	26,000	7/17/09	5200	21,000
			Dichloropropane[1,2-]	11/10/08	600	2800	3/14/09	900	4200	5/14/09	850	3900	7/17/09	740	3400
			Methylene Chloride	11/10/08	1500	5200	3/14/09	3900	13,000	5/14/09	4300	15,000	7/17/09	3300	11,000
			Tetrachloroethene	11/10/08	8800	60,000	3/14/09	ND	ND	5/14/09	14,000	94,000	7/17/09	8100 (J)	55,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	4300	33,000	3/14/09	4700	36,000	5/14/09	5800	44,000	7/17/09	5400	41,000
			Trichloroethane[1,1,1-]	11/10/08	170,000	950,000	3/14/09	ND	ND	5/14/09	200,000	1,100,000	7/17/09	180,000	980,000
			Trichloroethene	11/10/08	45,000	240,000	3/14/09	ND	ND	5/14/09	50,000	270,000	7/17/09	41,000	220,000
			Trichlorofluoromethane	11/10/08	1100	6400	3/14/09	ND	ND	5/14/09	1400	7700	7/17/09	1100	6400
	153	152–154	Carbon Tetrachloride	11/10/08	ND	ND	3/14/09	480	3000	5/14/09	ND	ND	7/17/09	420	2600
			Chloroform	11/10/08	1000	5200	3/14/09	ND	ND	5/14/09	1600	7800	7/17/09	1400	6800
			Dichlorodifluoromethane	11/10/08	1000	5000	3/14/09	ND	ND	5/14/09	1200	5800	7/17/09	1000	4900
			Dichloroethane[1,1-]	11/10/08	4800	19,000	3/14/09	ND	ND	5/14/09	7100	29,000	7/17/09	5700	23,000
			Dichloroethane[1,2-]	11/10/08	3600	14,000	3/14/09	ND	ND	5/14/09	9100	37,000	7/17/09	8700	35,000
			Dichloroethene[1,1-]	11/10/08	29,000	120,000	3/14/09	ND	ND	5/14/09	6700	26,000	7/17/09	5500	22,000
			Dichloropropane[1,2-]	11/10/08	420	1900	3/14/09	580	2700	5/14/09	780	3600	7/17/09	600	2700

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-24240	153	152–154	Methylene Chloride	11/10/08	320	1100	3/14/09	ND	ND	5/14/09	1600	5600	7/17/09	1300	4400
			Tetrachloroethene	11/10/08	6400	44,000	3/14/09	ND	ND	5/14/09	11,000	72,000	7/17/09	6200 (J)	42,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	3800	30,000	3/14/09	4100	32,000	5/14/09	5200	40,000	7/17/09	4800	37,000
			Trichloroethane[1,1,1-]	11/10/08	140,000	790,000	3/14/09	ND	ND	5/14/09	180,000	1,000,000	7/17/09	160,000	890,000
			Trichloroethene	11/10/08	36,000	190,000	3/14/09	ND	ND	5/14/09	45,000	240,000	7/17/09	38,000	200,000
			Trichlorofluoromethane	11/10/08	980	5500	3/14/09	ND	ND	5/14/09	1200	6800	7/17/09	1000	5800
54-24241	73	71–74	Benzene	11/10/08	ND	ND	3/16/09	500	1600	5/14/09	ND	ND	7/20/09	560	1800
			Carbon Tetrachloride	11/10/08	3800	24,000	3/16/09	4200	26,000	5/14/09	3900	25,000	7/20/09	3700	24,000
			Chloroform	11/10/08	8100	39,000	3/16/09	7000	34,000	5/14/09	6600	32,000	7/20/09	7500	37,000
			Dichlorodifluoromethane	11/10/08	ND	ND	3/16/09	ND	ND	5/14/09	ND	ND	7/20/09	380	1900
			Dichloroethane[1,1-]	11/10/08	11,000	46,000	3/16/09	11,000	46,000	5/14/09	11,000	45,000	7/20/09	12,000	49,000
			Dichloroethane[1,2-]	11/10/08	7600	31,000	3/16/09	7600	31,000	5/14/09	7200	29,000	7/20/09	7300	30,000
			Dichloroethene[1,1-]	11/10/08	46,000	180,000	3/16/09	7400	29,000	5/14/09	8300	33,000	7/20/09	8400	33,000
			Dichloroethene[trans-1,2-]	11/10/08	ND	ND	3/16/09	ND	ND	5/14/09	ND	ND	7/20/09	400 (J)	1600 (J)
			Dichloropropane[1,2-]	11/10/08	7000	32,000	3/16/09	6700	31,000	5/14/09	6400	29,000	7/20/09	7600	35,000
			Methylene Chloride	11/10/08	ND	ND	3/16/09	1300	4400	5/14/09	1200	4100	7/20/09	1100	4000
			Tetrachloroethene	11/10/08	23,000	160,000	3/16/09	19,000	130,000	5/14/09	19,000	130,000	7/20/09	16,000 (J)	110,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	23,000	180,000	3/16/09	24,000	180,000	5/14/09	25,000	190,000	7/20/09	30,000	230,000
			Trichloroethane[1,1,1-]	11/10/08	300,000	1,700,000	3/16/09	250,000	1,400,000	5/14/09	230,000	1,300,000	7/20/09	250,000	1,400,000
			Trichloroethene	11/10/08	69,000	370,000	3/16/09	60,000	320,000	5/14/09	59,000	320,000	7/20/09	70,000	380,000
			Trichlorofluoromethane	11/10/08	2100	12,000	3/16/09	1600	8800	5/14/09	1600	9000	7/20/09	1600	9300
	113	112–114	Benzene	11/10/08	ND	ND	3/16/09	ND	ND	5/14/09	ND	ND	7/20/09	240	760
			Carbon Tetrachloride	11/10/08	1200	7300	3/16/09	1400	9000	5/14/09	1700	11,000	7/20/09	1700	10,000
			Chloroform	11/10/08	5500	27,000	3/16/09	4400	21,000	5/14/09	4900	24,000	7/20/09	4800	23,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-24241	113	112–114	Dichlorodifluoromethane	11/10/08	460	2300	3/16/09	330	1600	5/14/09	370	1800	7/20/09	360	1800
			Dichloroethane[1,1-]	11/10/08	6900	28,000	3/16/09	5800	23,000	5/14/09	6800	27,000	7/20/09	6800	28,000
			Dichloroethane[1,2-]	11/10/08	5000	20,000	3/16/09	4300	17,000	5/14/09	4600	18,000	7/20/09	4200	17,000
			Dichloroethene[1,1-]	11/10/08	33,000	130,000	3/16/09	7000	28,000	5/14/09	9400	37,000	7/20/09	8600	34,000
			Dichloropropane[1,2-]	11/10/08	4800	22,000	3/16/09	4500	21,000	5/14/09	5000	23,000	7/20/09	5000	23,000
			Methylene Chloride	11/10/08	ND	ND	3/16/09	320	1100	5/14/09	ND	ND	7/20/09	ND	ND
			Tetrachloroethene	11/10/08	19,000	130,000	3/16/09	15,000	100,000	5/14/09	17,000	120,000	7/20/09	12,000 (J)	82,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	19,000	140,000	3/16/09	16,000	120,000	5/14/09	20,000	150,000	7/20/09	22,000	170,000
			Trichloroethane[1,1,1-]	11/10/08	210,000	1,100,000	3/16/09	160,000	860,000	5/14/09	170,000	940,000	7/20/09	170,000	920,000
			Trichloroethene	11/10/08	55,000	300,000	3/16/09	44,000	240,000	5/14/09	49,000	260,000	7/20/09	51,000	270,000
			Trichlorofluoromethane	11/10/08	2200	12,000	3/16/09	1500	8600	5/14/09	1700	9700	7/20/09	1600	9100
	133	132–134	Benzene	11/10/08	300	970	3/16/09	260	820	5/14/09	240	750	7/20/09	270	870
			Carbon Tetrachloride	11/10/08	1300	8400	3/16/09	1100	7200	5/14/09	1200	7700	7/20/09	1200	7800
			Chloroform	11/10/08	4400	22,000	3/16/09	4000	20,000	5/14/09	3800	19,000	7/20/09	4000	20,000
			Dichlorodifluoromethane	11/10/08	560	2700	3/16/09	380	1900	5/14/09	380	1800	7/20/09	380	1900
			Dichloroethane[1,1-]	11/10/08	4400	18,000	3/16/09	4400	18,000	5/14/09	4500	18,000	7/20/09	4900	20,000
			Dichloroethane[1,2-]	11/10/08	3500	14,000	3/16/09	3500	14,000	5/14/09	3200	13,000	7/20/09	3100	12,000
			Dichloroethene[1,1-]	11/10/08	30,000	120,000	3/16/09	8300	33,000	5/14/09	9500	38,000	7/20/09	9000	36,000
			Dichloropropane[1,2-]	11/10/08	3000	14,000	3/16/09	3300	15,000	5/14/09	3200	15,000	7/20/09	3400	16,000
			Methylene Chloride	11/10/08	ND	ND	3/16/09	ND	ND	5/14/09	270	940	7/20/09	160	550
			Tetrachloroethene	11/10/08	15,000	99,000	3/16/09	14,000	96,000	5/14/09	13,000	87,000	7/20/09	9700 (J)	66,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	16,000	120,000	3/16/09	15,000	120,000	5/14/09	17,000	130,000	7/20/09	19,000	140,000
			Trichloroethane[1,1,1-]	11/10/08	160,000	860,000	3/16/09	140,000	780,000	5/14/09	130,000	730,000	7/20/09	140,000	750,000
			Trichloroethene	11/10/08	45,000	240,000	3/16/09	42,000	230,000	5/14/09	39,000	210,000	7/20/09	44,000	230,000
			Trichlorofluoromethane	11/10/08	2500	14,000	3/16/09	1800	10,000	5/14/09	1800	10,000	7/20/09	1800	10,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-24242	25	24–26	Carbon Tetrachloride	11/10/08	520	3300	3/17/09	520	3200	5/11/09	570	3600	7/16/09	460	2900
			Chloroform	11/10/08	2500	12,000	3/17/09	2100	10,000	5/11/09	2200	11,000	7/16/09	2100	10,000
			Dichlorodifluoromethane	11/10/08	180	900	3/17/09	130	640	5/11/09	ND	ND	7/16/09	150	740
			Dichloroethane[1,1-]	11/10/08	3000	12,000	3/17/09	2600	10,000	5/11/09	2900	12,000	7/16/09	2600	10,000
			Dichloroethane[1,2-]	11/10/08	1000	4200	3/17/09	770	3100	5/11/09	810	3300	7/16/09	770	3100
			Dichloroethene[1,1-]	11/10/08	15,000	61,000	3/17/09	2900	11,000	5/11/09	3800	15,000	7/16/09	3600	14,000
			Dichloropropane[1,2-]	11/10/08	1700	7900	3/17/09	1400	6300	5/11/09	1500	6900	7/16/09	1300	5900
			Tetrachloroethene	11/10/08	89,000	600,000	3/17/09	56,000	380,000	5/11/09	68,000	460,000	7/16/09	64,000 (J)	430,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	4900	38,000	3/17/09	4400	34,000	5/11/09	5900	46,000	7/16/09	5200	40,000
			Trichloroethane[1,1,1-]	11/10/08	84,000	460,000	3/17/09	65,000	350,000	5/11/09	72,000	390,000	7/16/09	74,000	410,000
			Trichloroethene	11/10/08	37,000	200,000	3/17/09	27,000	140,000	5/11/09	29,000	160,000	7/16/09	30,000	160,000
			Trichlorofluoromethane	11/10/08	630	3600	3/17/09	450	2500	5/11/09	550	3100	7/16/09	530	3000
	50	49–51	Benzene	11/10/08	400	1300	3/17/09	360	1200	5/11/09	360	1200	7/16/09	300	950
			Carbon Tetrachloride	11/10/08	1000	6500	3/17/09	1100	7000	5/11/09	1000	6400	7/16/09	980	6200
			Chloroform	11/10/08	4800	23,000	3/17/09	4400	22,000	5/11/09	4400	21,000	7/16/09	4200	21,000
			Dichlorodifluoromethane	11/10/08	460	2300	3/17/09	410	2000	5/11/09	400	2000	7/16/09	430	2100
			Dichloroethane[1,1-]	11/10/08	5300	21,000	3/17/09	5000	20,000	5/11/09	5000	20,000	7/16/09	4600	18,000
			Dichloroethane[1,2-]	11/10/08	4000	16,000	3/17/09	3600	14,000	5/11/09	3500	14,000	7/16/09	3300	14,000
			Dichloroethene[1,1-]	11/10/08	34,000	130,000	3/17/09	8200	32,000	5/11/09	9100	36,000	7/16/09	8300	33,000
			Dichloropropane[1,2-]	11/10/08	2700	12,000	3/17/09	2700	13,000	5/11/09	2800	13,000	7/16/09	2400	11,000
			Methylene Chloride	11/10/08	1600	5700	3/17/09	1000	3600	5/11/09	1100	3900	7/16/09	710	2500
			Tetrachloroethene	11/10/08	50,000	340,000	3/17/09	51,000	340,000	5/11/09	48,000	330,000	7/16/09	27,000 (J)	180,000 (J)
			Tetrahydrofuran	11/10/08	ND	ND	3/17/09	ND	ND	5/11/09	220	660	7/16/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	13,000	99,000	3/17/09	13,000	100,000	5/11/09	14,000	110,000	7/16/09	14,000	110,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-24242	50	49–51	Trichloroethane[1,1,1-]	11/10/08	170,000	910,000	3/17/09	160,000	900,000	5/11/09	150,000	830,000	7/16/09	160,000	850,000
			Trichloroethene	11/10/08	50,000	270,000	3/17/09	50,000	270,000	5/11/09	48,000	260,000	7/16/09	43,000	230,000
			Trichlorofluoromethane	11/10/08	1700	9600	3/17/09	1400	8200	5/11/09	1500	8300	7/16/09	1400	8000
54-24243	25	24–26	Carbon Tetrachloride	11/14/08	570	3600	3/19/09	900	5600	5/15/09	850	5300	7/23/09	720	4600
			Chloroform	11/14/08	4900	24,000	3/19/09	4400	21,000	5/15/09	4700	23,000	7/23/09	4300	21,000
			Dichlorodifluoromethane	11/14/08	350	1700	3/19/09	410	2000	5/15/09	ND	ND	7/23/09	360	1800
			Dichloroethane[1,1-]	11/14/08	6000	24,000	3/19/09	6000	24,000	5/15/09	6800	28,000	7/23/09	5600	23,000
			Dichloroethane[1,2-]	11/14/08	2900	12,000	3/19/09	3300	13,000	5/15/09	3900	16,000	7/23/09	3800	15,000
			Dichloroethene[1,1-]	11/14/08	19,000	76,000	3/19/09	4900	19,000	5/15/09	5700	23,000	7/23/09	4800	19,000
			Dichloropropane[1,2-]	11/14/08	12,000	55,000	3/19/09	11,000	50,000	5/15/09	12,000	56,000	7/23/09	9900	46,000
			Tetrachloroethene	11/14/08	4100	28,000	3/19/09	3600	24,000	5/15/09	4000	27,000	7/23/09	2000 (J-)	13,000 (J-)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/14/08	33,000	250,000	3/19/09	39,000	300,000	5/15/09	54,000	420,000	7/23/09	61,000	470,000
			Trichloroethane[1,1,1-]	11/14/08	210,000	1,100,000	3/19/09	170,000	940,000	5/15/09	170,000	950,000	7/23/09	160,000	900,000
			Trichloroethene	11/14/08	49,000	260,000	3/19/09	48,000	260,000	5/15/09	49,000	260,000	7/23/09	42,000	230,000
			Trichlorofluoromethane	11/14/08	1600	8800	3/19/09	1400	7800	5/15/09	1400	7900	7/23/09	1200	7000
	75	74–76	Carbon Tetrachloride	11/14/08	ND	ND	3/19/09	1300	8200	5/15/09	ND	ND	7/23/09	1200	7800
			Chloroform	11/14/08	7300	36,000	3/19/09	7300	36,000	5/15/09	6600	32,000	7/23/09	7000	34,000
			Dichlorodifluoromethane	11/14/08	500	2500	3/19/09	650	3200	5/15/09	580	2900	7/23/09	610	3000
			Dichloroethane[1,1-]	11/14/08	7200	29,000	3/19/09	8100	33,000	5/15/09	7800	31,000	7/23/09	7900	32,000
			Dichloroethane[1,2-]	11/14/08	3500	14,000	3/19/09	3100	12,000	5/15/09	2900	12,000	7/23/09	3000	12,000
			Dichloroethene[1,1-]	11/14/08	30,000	120,000	3/19/09	10,000	40,000	5/15/09	10,000	40,000	7/23/09	10,000	40,000
			Dichloropropane[1,2-]	11/14/08	24,000	110,000	3/19/09	26,000	120,000	5/15/09	24,000	110,000	7/23/09	24,000	110,000
			Methylene Chloride	11/14/08	1500	5300	3/19/09	1600	5700	5/15/09	1700	5800	7/23/09	1000	3500
			Tetrachloroethene	11/14/08	5200	35,000	3/19/09	5000	34,000	5/15/09	4600	31,000	7/23/09	3000 (J-)	20,000 (J-)

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-24243	75	74–76	Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/14/08	51,000	390,000	3/19/09	62,000	470,000	5/15/09	67,000	510,000	7/23/09	83,000	640,000
			Trichloroethane[1,1,1-]	11/14/08	300,000	1,600,000	3/19/09	290,000	1,600,000	5/15/09	250,000	1,400,000	7/23/09	290,000	1,600,000
			Trichloroethene	11/14/08	72,000	390,000	3/19/09	77,000	420,000	5/15/09	68,000	360,000	7/23/09	72,000	390,000
			Trichlorofluoromethane	11/14/08	2800	16,000	3/19/09	2700	15,000	5/15/09	2600	14,000	7/23/09	2600	14,000
	125	124–126	Benzene	11/14/08	570	1800	3/19/09	680	2200	5/15/09	700	2200	7/23/09	560	1800
			Carbon Tetrachloride	11/14/08	1000	6300	3/19/09	1100	7200	5/15/09	1300	7900	7/23/09	1100	7100
			Chloroform	11/14/08	6200	30,000	3/19/09	6600	32,000	5/15/09	7000	34,000	7/23/09	6300	31,000
			Dichlorodifluoromethane	11/14/08	470	2300	3/19/09	560	2800	5/15/09	ND	ND	7/23/09	540	2700
			Dichloroethane[1,1-]	11/14/08	5200	21,000	3/19/09	6000	24,000	5/15/09	6700	27,000	7/23/09	5700	23,000
			Dichloroethane[1,2-]	11/14/08	7000	28,000	3/19/09	7200	29,000	5/15/09	7700	31,000	7/23/09	6700	27,000
			Dichloroethene[1,1-]	11/14/08	29,000	110,000	3/19/09	13,000	50,000	5/15/09	15,000	59,000	7/23/09	12,000	48,000
			Dichloropropane[1,2-]	11/14/08	15,000	68,000	3/19/09	18,000	85,000	5/15/09	21,000	98,000	7/23/09	17,000	78,000
			Methylene Chloride	11/14/08	12,000	42,000	3/19/09	14,000	48,000	5/15/09	16,000	54,000	7/23/09	12,000	41,000
			Tetrachloroethene	11/14/08	5600	38,000	3/19/09	5900	40,000	5/15/09	6700	45,000	7/23/09	3300 (J-)	22,000 (J-)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/14/08	30,000	230,000	3/19/09	40,000	300,000	5/15/09	43,000	330,000	7/23/09	42,000	320,000
			Trichloroethane[1,1,1-]	11/14/08	240,000	1,300,000	3/19/09	240,000	1,300,000	5/15/09	240,000	1,300,000	7/23/09	230,000	1,300,000
			Trichloroethene	11/14/08	59,000	320,000	3/19/09	70,000	370,000	5/15/09	73,000	390,000	7/23/09	61,000	330,000
			Trichlorofluoromethane	11/14/08	3900	22,000	3/19/09	3700	21,000	5/15/09	3900	22,000	7/23/09	3500	20,000
54-24399	550[d]	550–608[e]	Acetone	12/2/08	ND	ND	3/22/09	ND	ND	5/12/09	31	74	8/12/09	38	91
			Butanone[2-]	12/2/08	ND	ND	3/22/09	ND	ND	5/12/09	9.7	28	8/12/09	11	34
			Carbon Tetrachloride	12/2/08	ND	ND	3/22/09	ND	ND	5/12/09	5	32	8/12/09	ND	ND
			Chloroform	12/2/08	33	160	3/22/09	ND	ND	5/12/09	14	69	8/12/09	2.2	11
			Dichlorodifluoromethane	12/2/08	9.2	46	3/22/09	ND	ND	5/12/09	3.6	18	8/12/09	ND	ND
			Dichloroethane[1,1-]	12/2/08	52	210	3/22/09	10	41	5/12/09	24	98	8/12/09	1.7	6.8

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-24399	550[d]	550–608[e]	Dichloroethane[1,2-]	12/2/08	18	74	3/22/09	ND	ND	5/12/09	8.2	33	8/12/09	0.98	4
			Dichloroethene[1,1-]	12/2/08	ND	ND	3/22/09	19	74	5/12/09	63	250	8/12/09	ND	ND
			Dichloropropane[1,2-]	12/2/08	18	84	3/22/09	ND	ND	5/12/09	7.5	34	8/12/09	2	9
			Methylene Chloride	12/2/08	10	35	3/22/09	8.4	29	5/12/09	3.7	13	8/12/09	ND	ND
			Tetrachloroethene	12/2/08	ND	ND	3/22/09	24	160	5/12/09	68	460	8/12/09	62	420
			Toluene	12/2/08	ND	ND	3/22/09	24	91	5/12/09	ND	ND	8/12/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	12/2/08	110	820	3/22/09	23	180	5/12/09	65	500	8/12/09	1.2	9.5
			Trichloroethane[1,1,1-]	12/2/08	ND	ND	3/22/09	180	990	5/12/09	500	2700	8/12/09	45	240
			Trichloroethene	12/2/08	ND	ND	3/22/09	62	330	5/12/09	150	800	8/12/09	45	240
			Trichlorofluoromethane	12/2/08	ND	ND	3/22/09	ND	ND	5/12/09	6.8	38	8/12/09	ND	ND
54-27641	32	29.5–34.5	Chloroform	11/10/08	1200	6000	3/13/09	1400	6900	5/13/09	1500	7400	8/17/09	ND	ND
			Dichlorodifluoromethane	11/10/08	1900	9300	3/13/09	1800	8900	5/13/09	1400	7000	8/17/09	ND	ND
			Dichloroethane[1,1-]	11/10/08	11,000	43,000	3/13/09	14,000	58,000	5/13/09	16,000	64,000	8/17/09	12,000	48,000
			Dichloroethane[1,2-]	11/10/08	30,000	120,000	3/13/09	32,000	130,000	5/13/09	36,000	150,000	8/17/09	34,000	140,000
			Dichloroethene[1,1-]	11/10/08	37,000	150,000	3/13/09	4300	17,000	5/13/09	4700	19,000	8/17/09	11,000	45,000
			Dichloropropane[1,2-]	11/10/08	500	2300	3/13/09	ND	ND	5/13/09	680	3200	8/17/09	ND	ND
			Methylene Chloride	11/10/08	5400	19,000	3/13/09	3900	14,000	5/13/09	3600	12,000	8/17/09	ND	ND
			Tetrachloroethene	11/10/08	25,000	170,000	3/13/09	2,5000	170,000	5/13/09	34,000	230,000	8/17/09	29,000	200,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	5200	40,000	3/13/09	6600	51,000	5/13/09	9600	74,000	8/17/09	11,000	87,000
			Trichloroethane[1,1,1-]	11/10/08	200,000	1,100,000	3/13/09	380,000	2,100,000	5/13/09	380,000	2,100,000	8/17/09	330,000	1,800,000
			Trichloroethene	11/10/08	100,000	550,000	3/13/09	120,000	620,000	5/13/09	130,000	680,000	8/17/09	120,000	620,000
			Trichlorofluoromethane	11/10/08	1900	11,000	3/13/09	1800	9900	5/13/09	2000	11,000	8/17/09	ND	ND
	82	79.5–84.5	Chloroform	11/10/08	1200	6100	3/13/09	1200	5800	5/13/09	1500	7400	8/17/09	ND	ND
			Dichlorodifluoromethane	11/10/08	1700	8400	3/13/09	1800	9200	5/13/09	1400	7000	8/17/09	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-27641	82	79.5–84.5	Dichloroethane[1,1-]	11/10/08	8100	33,000	3/13/09	7800	31,000	5/13/09	9700	39,000	8/17/09	9100	37,000
			Dichloroethane[1,2-]	11/10/08	21,000	84,000	3/13/09	17,000	71,000	5/13/09	23,000	93,000	8/17/09	24,000	95,000
			Dichloroethene[1,1-]	11/10/08	30,000	120,000	3/13/09	3700	15,000	5/13/09	5200	21,000	8/17/09	8000	32,000
			Dichloropropane[1,2-]	11/10/08	750	3500	3/13/09	590	2700	5/13/09	850	3900	8/17/09	ND	ND
			Hexane	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	520	1800	8/17/09	ND	ND
			Methylene Chloride	11/10/08	14,000	50,000	3/13/09	12,000	43,000	5/13/09	14,000	49,000	8/17/09	11,000	37,000
			Tetrachloroethene	11/10/08	23,000	160,000	3/13/09	18,000	120,000	5/13/09	28,000	190,000	8/17/09	25,000	170,000
			Tetrahydrofuran	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	420	1200	8/17/09	ND	ND
			Toluene	11/10/08	510	1900	3/13/09	ND	ND	5/13/09	430	1600	8/17/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	3500	27,000	3/13/09	3800	29,000	5/13/09	5400	42,000	8/17/09	6500	50,000
			Trichloroethane[1,1,1-]	11/10/08	190,000	1,000,000	3/13/09	200,000	1,100,000	5/13/09	230,000	1,300,000	8/17/09	240,000	1,300,000
			Trichloroethene	11/10/08	47,000	250,000	3/13/09	43,000	230,000	5/13/09	56,000	300,000	8/17/09	52,000	280,000
			Trichlorofluoromethane	11/10/08	1500	8400	3/13/09	1500	8500	5/13/09	1600	9100	8/17/09	ND	ND
	115	112.5–117.5	Benzene	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	220	700	8/17/09	ND	ND
			Chloroform	11/10/08	1100	5500	3/13/09	1300	6500	5/13/09	1400	7000	8/17/09	ND	ND
			Dichlorodifluoromethane	11/10/08	1400	6700	3/13/09	1700	8600	5/13/09	1400	6800	8/17/09	ND	ND
			Dichloroethane[1,1-]	11/10/08	6900	28,000	3/13/09	7700	31,000	5/13/09	8700	35,000	8/17/09	7200	29,000
			Dichloroethane[1,2-]	11/10/08	14,000	56,000	3/13/09	14,000	58,000	5/13/09	16,000	65,000	8/17/09	14,000	59,000
			Dichloroethene[1,1-]	11/10/08	27,000	110,000	3/13/09	5100	20,000	5/13/09	5500	22,000	8/17/09	7500	30,000
			Dichloropropane[1,2-]	11/10/08	800	3700	3/13/09	ND	ND	5/13/09	960	4400	8/17/09	ND	ND
			Hexane	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	240	850	8/17/09	ND	ND
			Methylene Chloride	11/10/08	8200	28,000	3/13/09	8300	29,000	5/13/09	8600	30,000	8/17/09	6400	22,000
			Tetrachloroethene	11/10/08	12,000	84,000	3/13/09	14,000	95,000	5/13/09	17,000	120,000	8/17/09	14,000	97,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	2800	21,000	3/13/09	3600	28,000	5/13/09	4500	35,000	8/17/09	4600	35,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-27641	115	112.5–117.5	Trichloroethane[1,1,1-]	11/10/08	180,000	970,000	3/13/09	210,000	1,200,000	5/13/09	210,000	1,100,000	8/17/09	190,000	1,000,000
			Trichloroethene	11/10/08	37,000	200,000	3/13/09	44,000	240,000	5/13/09	47,000	250,000	8/17/09	40,000	210,000
			Trichlorofluoromethane	11/10/08	1100	6100	3/13/09	1200	6900	5/13/09	1300	7400	8/17/09	ND	ND
	182	179.5–184.5	Carbon Tetrachloride	11/10/08	250	1600	3/13/09	ND	ND	5/13/09	ND	ND	8/17/09	ND	ND
			Chloroform	11/10/08	820	4000	3/13/09	850	4200	5/13/09	760	3700	8/17/09	ND	ND
			Dichlorodifluoromethane	11/10/08	850	4200	3/13/09	1200	5700	5/13/09	830	4100	8/17/09	ND	ND
			Dichloroethane[1,1-]	11/10/08	3800	15,000	3/13/09	4300	18,000	5/13/09	4200	17,000	8/17/09	3700	15,000
			Dichloroethane[1,2-]	11/10/08	2600	10,000	3/13/09	3100	12,000	5/13/09	2900	12,000	8/17/09	2900	12,000
			Dichloroethene[1,1-]	11/10/08	24,000	95,000	3/13/09	7200	28,000	5/13/09	7500	30,000	8/17/09	9200	37,000
			Dichloropropane[1,2-]	11/10/08	300	1400	3/13/09	410	1900	5/13/09	360	1700	8/17/09	ND	ND
			Methylene Chloride	11/10/08	6100	21,000	3/13/09	7200	25,000	5/13/09	6700	23,000	8/17/09	6200	21,000
			Tetrachloroethene	11/10/08	3400	23,000	3/13/09	3600	24,000	5/13/09	4100	28,000	8/17/09	3800	26,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	2900	22,000	3/13/09	3200	24,000	5/13/09	3300	25,000	8/17/09	3600	27,000
			Trichloroethane[1,1,1-]	11/10/08	140,000	770,000	3/13/09	160,000	880,000	5/13/09	140,000	740,000	8/17/09	140,000	740,000
			Trichloroethene	11/10/08	28,000	150,000	3/13/09	33,000	180,000	5/13/09	31,000	160,000	8/17/09	28,000	150,000
			Trichlorofluoromethane	11/10/08	850	4800	3/13/09	870	4900	5/13/09	790	4400	8/17/09	ND	ND
	271	268.5–273.5	Carbon Tetrachloride	11/10/08	120	760	3/13/09	110	670	5/13/09	160	1000	8/17/09	100	650
			Chloroform	11/10/08	ND	ND	3/13/09	140	670	5/13/09	150	710	8/17/09	130	630
			Dichlorodifluoromethane	11/10/08	430	2100	3/13/09	570	2800	5/13/09	450	2200	8/17/09	300	1500
			Dichloroethane[1,1-]	11/10/08	530	2100	3/13/09	580	2300	5/13/09	610	2500	8/17/09	490	2000
			Dichloroethene[1,1-]	11/10/08	6500	26,000	3/13/09	3900	16,000	5/13/09	4400	17,000	8/17/09	3500	14,000
			Methylene Chloride	11/10/08	580	2000	3/13/09	640	2200	5/13/09	680	2400	8/17/09	460	1600
			Tetrachloroethene	11/10/08	860	5800	3/13/09	790	5300	5/13/09	980	6600	8/17/09	930	6300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	1600	12,000	3/13/09	1800	14,000	5/13/09	2300	18,000	8/17/09	2200	17,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-27641	271	268.5–273.5	Trichloroethane[1,1,1-]	11/10/08	25,000	140,000	3/13/09	30,000	170,000	5/13/09	28,000	150,000	8/17/09	26,000	140,000
			Trichloroethene	11/10/08	7100	38,000	3/13/09	7700	41,000	5/13/09	8000	43,000	8/17/09	7200	39,000
			Trichlorofluoromethane	11/10/08	450	2500	3/13/09	450	2500	5/13/09	460	2600	8/17/09	380	2100
	332.5	330–335	Carbon Tetrachloride	11/10/08	24	150	3/13/09	25	160	5/13/09	19	120	8/17/09	26	160
			Chloroform	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	9.1 (J)	44 (J)	8/17/09	11	52
			Dichlorodifluoromethane	11/10/08	93	460	3/13/09	120	600	5/13/09	63	310	8/17/09	70	350
			Dichloroethane[1,1-]	11/10/08	28	120	3/13/09	30	120	5/13/09	24	96	8/17/09	27	110
			Dichloroethene[1,1-]	11/10/08	760	3000	3/13/09	770	3000	5/13/09	890	3500	8/17/09	720	2900
			Methylene Chloride	11/10/08	21	73	3/13/09	23	81	5/13/09	20	70	8/17/09	19	67
			Tetrachloroethene	11/10/08	110	750	3/13/09	110	740	5/13/09	95	650	8/17/09	130	860
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/08	550	4200	3/13/09	540	4200	5/13/09	520	4000	8/17/09	660	5100
			Trichloroethane[1,1,1-]	11/10/08	2200	12,000	3/13/09	2300	12,000	5/13/09	1700	9400	8/17/09	2200	12,000
			Trichloroethene	11/10/08	760	4100	3/13/09	840	4500	5/13/09	650	3500	8/17/09	800	4300
			Trichlorofluoromethane	11/10/08	120	700	3/13/09	140	790	5/13/09	110	630	8/17/09	130	720
54-27642	30	27.5–32.5	Carbon Tetrachloride	11/6/08	ND	ND	3/15/09	1300	8300	5/7/09	ND	ND	7/21/09	1100	7200
			Chloroform	11/6/08	6400	31,000	3/15/09	8100	40,000	5/7/09	6500	32,000	7/21/09	5700	28,000
			Dichlorodifluoromethane	11/6/08	ND	ND	3/15/09	1000	5100	5/7/09	ND	ND	7/21/09	560	2800
			Dichloroethane[1,1-]	11/6/08	13,000	53,000	3/15/09	16,000	65,000	5/7/09	13,000	53,000	7/21/09	11,000	44,000
			Dichloroethane[1,2-]	11/6/08	2600	10,000	3/15/09	4200	17,000	5/7/09	3400	14,000	7/21/09	3600	15,000
			Dichloroethene[1,1-]	11/6/08	130,000	520,000	3/15/09	17,000	68,000	5/7/09	15,000	58,000	7/21/09	12,000	46,000
			Dichloropropane[1,2-]	11/6/08	21,000	97,000	3/15/09	24,000	110,000	5/7/09	21,000	96,000	7/21/09	19,000	86,000
			Tetrachloroethene	11/6/08	7200	49,000	3/15/09	8200	56,000	5/7/09	7500	51,000	7/21/09	4800 (J)	32,000 (J)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/6/08	200,000	1,500,000	3/15/09	220,000	1,700,000	5/7/09	200,000	1,500,000	7/21/09	180,000	1,300,000
			Trichloroethane[1,1,1-]	11/6/08	630,000	3,400,000	3/15/09	800,000	4,400,000	5/7/09	560,000	310,0000	7/21/09	440,000	2,400,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-27642	30	27.5–32.5	Trichloroethene	11/6/08	53,000	280,000	3/15/09	67,000	360,000	5/7/09	55,000	300,000	7/21/09	53,000	280,000
			Trichlorofluoromethane	11/6/08	2300	13,000	3/15/09	2200	12,000	5/7/09	1900	11,000	7/21/09	1500	8600
	75	71.5–76.5	Benzene	11/6/08	1100	3400	3/15/09	760	2400	5/7/09	810	2600	7/21/09	760	2400
			Carbon Tetrachloride	11/6/08	1700	11,000	3/15/09	1500	9200	5/7/09	1400	9100	7/21/09	1300	8500
			Chloroform	11/6/08	11,000	52,000	3/15/09	7600	37,000	5/7/09	8400	41,000	7/21/09	7800	38,000
			Dichlorodifluoromethane	11/6/08	590	2900	3/15/09	560	2800	5/7/09	550	2700	7/21/09	510	2500
			Dichloroethane[1,1-]	11/6/08	7900	32,000	3/15/09	6100	25,000	5/7/09	7100	29,000	7/21/09	6600	27,000
			Dichloroethane[1,2-]	11/6/08	11,000	46,000	3/15/09	6300	26,000	5/7/09	7000	28,000	7/21/09	6000	24,000
			Dichloroethene[1,1-]	11/6/08	66,000	260,000	3/15/09	14,000	56,000	5/7/09	17,000	68,000	7/21/09	14,000	57,000
			Dichloropropane[1,2-]	11/6/08	32,000	150,000	3/15/09	22,000	100,000	5/7/09	25,000	110,000	7/21/09	24,000	110,000
			Methylene Chloride	11/6/08	5500	19,000	3/15/09	3200	11,000	5/7/09	3800	13,000	7/21/09	2900	10,000
			Tetrachloroethene	11/6/08	12,000	83,000	3/15/09	7800	53,000	5/7/09	8300	56,000	7/21/09	5800 (J)	40,000 (J)
			Tetrahydrofuran	11/6/08	ND	ND	3/15/09	9800	29,000	5/7/09	12,000	34,000	7/21/09	10,000	30,000
			Toluene	11/6/08	1000	3900	3/15/09	ND	ND	5/7/09	ND	ND	7/21/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/6/08	42,000	320,000	3/15/09	43,000	330,000	5/7/09	54,000	410,000	7/21/09	55,000	420,000
			Trichloroethane[1,1,1-]	11/6/08	370,000	2,000,000	3/15/09	280,000	1,500,000	5/7/09	300,000	1,600,000	7/21/09	270,000	1,500,000
			Trichloroethene	11/6/08	100,000	550,000	3/15/09	69,000	370,000	5/7/09	73,000	390,000	7/21/09	72,000	390,000
			Trichlorofluoromethane	11/6/08	5900	33,000	3/15/09	4700	26,000	5/7/09	4800	27,000	7/21/09	4100	23,000
	116	114.5–119.5	Carbon Tetrachloride	11/6/08	ND	ND	3/15/09	2000	13,000	5/7/09	1900	12,000	7/21/09	1500	9700
			Chloroform	11/6/08	10,000	49,000	3/15/09	9400	46,000	5/7/09	9800	48,000	7/21/09	9000	44,000
			Dichlorodifluoromethane	11/6/08	ND	ND	3/15/09	ND	ND	5/7/09	720	3600	7/21/09	690	3400
			Dichloroethane[1,1-]	11/6/08	11,000	45,000	3/15/09	11,000	44,000	5/7/09	12,000	49,000	7/21/09	11,000	43,000
			Dichloroethane[1,2-]	11/6/08	6800	28,000	3/15/09	5600	23,000	5/7/09	5800	23,000	7/21/09	5300	21,000
			Dichloroethene[1,1-]	11/6/08	86,000	340,000	3/15/09	15,000	61,000	5/7/09	18,000	70,000	7/21/09	14,000	58,000
			Dichloropropane[1,2-]	11/6/08	36,000	170,000	3/15/09	37,000	170,000	5/7/09	40,000	180,000	7/21/09	38,000	170,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-27642	116	114.5–119.5	Methylene Chloride	11/6/08	1000	3500	3/15/09	960	3400	5/7/09	890	3100	7/21/09	1200	4100
			Tetrachloroethene	11/6/08	10,000	68,000	3/15/09	10,000	71,000	5/7/09	11,000	73,000	7/21/09	6900 (J)	46,000 (J)
			Tetrahydrofuran	11/6/08	ND	ND	3/15/09	3200	9500	5/7/09	3200	9500	7/21/09	2200	6600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/6/08	82,000	630,000	3/15/09	120,000	950,000	5/7/09	130,000	1,000,000	7/21/09	130,000	990,000
			Trichloroethane[1,1,1-]	11/6/08	540,000	3,000,000	3/15/09	490,000	2,700,000	5/7/09	480,000	2,600,000	7/21/09	420,000	2,300,000
			Trichloroethene	11/6/08	84,000	450,000	3/15/09	85,000	460,000	5/7/09	86,000	460,000	7/21/09	84,000	450,000
			Trichlorofluoromethane	11/6/08	4600	26,000	3/15/09	3900	22,000	5/7/09	3800	21,000	7/21/09	3200	18,000
	175	172.5–177.5	Benzene	11/6/08	1200	4000	3/15/09	1500	4700	5/7/09	1300	4200	7/21/09	1300	4300
			Carbon Tetrachloride	11/6/08	ND	ND	3/15/09	1500	9300	5/7/09	1400	8900	7/21/09	1300	8000
			Chlorobenzene	11/6/08	ND	ND	3/15/09	360	1700	5/7/09	320	1500	7/21/09	370	1700
			Chloroform	11/6/08	6900	34,000	3/15/09	7300	36,000	5/7/09	6500	32,000	7/21/09	6400	31,000
			Dichlorodifluoromethane	11/6/08	820	4000	3/15/09	800	4000	5/7/09	660	3300	7/21/09	620	3000
			Dichloroethane[1,1-]	11/6/08	3400	14,000	3/15/09	3800	15,000	5/7/09	3400	14,000	7/21/09	3400	14,000
			Dichloroethane[1,2-]	11/6/08	4800	20,000	3/15/09	4800	20,000	5/7/09	4400	18,000	7/21/09	4300	17,000
			Dichloroethene[1,1-]	11/6/08	39,000	150,000	3/15/09	18,000	74,000	5/7/09	18,000	72,000	7/21/09	17,000	66,000
			Dichloropropane[1,2-]	11/6/08	8000	37,000	3/15/09	9400	43,000	5/7/09	8600	40,000	7/21/09	8900	41,000
			Ethanol	11/6/08	1900	3600	3/15/09	1600	3100	5/7/09	ND	ND	7/21/09	ND	ND
			Ethylbenzene	11/6/08	ND	ND	3/15/09	310	1300	5/7/09	ND	ND	7/21/09	ND	ND
			Hexane	11/6/08	740	2600	3/15/09	740	2600	5/7/09	720	2500	7/21/09	670	2400
			Methylene Chloride	11/6/08	28,000	98,000	3/15/09	29,000	100,000	5/7/09	27,000	94,000	7/21/09	25,000	87,000
			Tetrachloroethene	11/6/08	4600	31,000	3/15/09	6500	44,000	5/7/09	5800	39,000	7/21/09	4000 (J)	27,000 (J)
			Toluene	11/6/08	6200	23,000	3/15/09	6100	23,000	5/7/09	5300	20,000	7/21/09	5500	21,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/6/08	26,000	200,000	3/15/09	36,000	280,000	5/7/09	33,000	250,000	7/21/09	34,000	260,000
			Trichloroethane[1,1,1-]	11/6/08	210,000	1,100,000	3/15/09	210,000	1,200,000	5/7/09	180,000	980,000	7/21/09	180,000	960,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-27642	175	172.5–177.5	Trichloroethene	11/6/08	51,000	280,000	3/15/09	64,000	340,000	5/7/09	56,000	300,000	7/21/09	58,000	310,000
			Trichlorofluoromethane	11/6/08	7000	40,000	3/15/09	6800	38,000	5/7/09	5900	33,000	7/21/09	5300	30,000
			Xylene[1,2-]	11/6/08	580	2500	3/15/09	880	3800	5/7/09	760	3300	7/21/09	910	4000
			Xylene[1,3-]+Xylene[1,4-]	11/6/08	430	1900	3/15/09	580	2500	5/7/09	520	2200	7/21/09	530	2300
	275	272.5–277.5	Benzene	11/6/08	700	2200	3/15/09	720	2300	5/7/09	760	2400	7/21/09	700	2200
			Carbon Tetrachloride	11/6/08	820	5200	3/15/09	850	5400	5/7/09	880	5500	7/21/09	720	4500
			Chloroform	11/6/08	2800	14,000	3/15/09	2400	12,000	5/7/09	2500	12,000	7/21/09	2200	11,000
			Dichlorodifluoromethane	11/6/08	730	3600	3/15/09	670	3300	5/7/09	650	3200	7/21/09	540	2700
			Dichloroethane[1,1-]	11/6/08	1800	7300	3/15/09	910	3700	5/7/09	920	3700	7/21/09	840	3400
			Dichloroethane[1,2-]	11/6/08	3700	15,000	3/15/09	200	790	5/7/09	150	630	7/21/09	150	590
			Dichloroethene[1,1-]	11/6/08	25,000	100,000	3/15/09	14,000	57,000	5/7/09	16,000	63,000	7/21/09	14,000	54,000
			Dichloropropane[1,2-]	11/6/08	2900	13,000	3/15/09	880	4100	5/7/09	820	3800	7/21/09	780	3600
			Hexane	11/6/08	760	2700	3/15/09	710	2500	5/7/09	790	2800	7/21/09	700	2500
			Methylene Chloride	11/6/08	9300	32,000	3/15/09	9500	33,000	5/7/09	10,000	35,000	7/21/09	8600	30,000
			Tetrachloroethene	11/6/08	2400	16,000	3/15/09	2200	15,000	5/7/09	2200	15,000	7/21/09	1500 (J)	10,000 (J)
			Toluene	11/6/08	1200	4500	3/15/09	1100	4100	5/7/09	1200	4400	7/21/09	1000	3900
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/6/08	20,000	160,000	3/15/09	21,000	160,000	5/7/09	22,000	170,000	7/21/09	21,000	160,000
			Trichloroethane[1,1,1-]	11/6/08	87,000	480,000	3/15/09	71,000	390,000	5/7/09	67,000	360,000	7/21/09	61,000	330,000
			Trichloroethene	11/6/08	33,000	180,000	3/15/09	27,000	140,000	5/7/09	27,000	150,000	7/21/09	26,000	140,000
			Trichlorofluoromethane	11/6/08	4300	24,000	3/15/09	3900	22,000	5/7/09	3900	22,000	7/21/09	3400	19,000
	338	335.5–340.5	Benzene	11/6/08	170	550	3/15/09	200	640	5/7/09	170	550	7/21/09	180	570
			Carbon Tetrachloride	11/6/08	320	2000	3/15/09	320	2000	5/7/09	270	1700	7/21/09	270	1700
			Chloroform	11/6/08	380	1900	3/15/09	360	1800	5/7/09	300	1500	7/21/09	320	1600
			Dichlorodifluoromethane	11/6/08	330	1600	3/15/09	330	1600	5/7/09	280	1400	7/21/09	260	1300
			Dichloroethane[1,1-]	11/6/08	120	480	3/15/09	130	530	5/7/09	110	450	7/21/09	120	480

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-27642	338	335.5–340.5	Dichloroethene[1,1-]	11/6/08	6100	24,000	3/15/09	6200	24,000	5/7/09	5800	23,000	7/21/09	5500	22,000
			Dichloropropane[1,2-]	11/6/08	33	150	3/15/09	33	150	5/7/09	28	130	7/21/09	ND	ND
			Hexane	11/6/08	280	1000	3/15/09	310	1100	5/7/09	240	850	7/21/09	270	960
			Methylene Chloride	11/6/08	1100	3800	3/15/09	1100	3900	5/7/09	990	3400	7/21/09	940	3300
			Tetrachloroethene	11/6/08	410	2800	3/15/09	440	3000	5/7/09	380	2600	7/21/09	270 (J)	1800 (J)
			Toluene	11/6/08	160	590	3/15/09	130	480	5/7/09	100	380	7/21/09	110	430
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/6/08	5600	43,000	3/15/09	6400	49,000	5/7/09	5700	44,000	7/21/09	6100	47,000
			Trichloroethane[1,1,1-]	11/6/08	17,000	92,000	3/15/09	15,000	84,000	5/7/09	12,000	67,000	7/21/09	12,000	68,000
			Trichloroethene	11/6/08	6500	35,000	3/15/09	6900	37,000	5/7/09	5700	31,000	7/21/09	6000	32,000
			Trichlorofluoromethane	11/6/08	970	5400	3/15/09	1100	6200	5/7/09	920	5200	7/21/09	910	5100
54-27643	30	27.5–32.5	Carbon Tetrachloride	11/21/08	340	2200	3/17/09	460	2900	5/15/09	460	2900	7/23/09	420	2600
			Chloroform	11/21/08	2400	12,000	3/17/09	2200	11,000	5/15/09	2200	11,000	7/23/09	2200	11,000
			Dichlorodifluoromethane	11/21/08	150	730	3/17/09	ND	ND	5/15/09	ND	ND	7/23/09	140	670
			Dichloroethane[1,1-]	11/21/08	1600	6400	3/17/09	1500	6000	5/15/09	1600	6300	7/23/09	1500	6100
			Dichloroethane[1,2-]	11/21/08	1000	4200	3/17/09	1000	4200	5/15/09	1000	4200	7/23/09	1000	4200
			Dichloroethene[1,1-]	11/21/08	14,000	55,000	3/17/09	1900	7700	5/15/09	2000	7800	7/23/09	2000	8000
			Dichloropropane[1,2-]	11/21/08	5600	26,000	3/17/09	5600	26,000	5/15/09	5800	27,000	7/23/09	5600	26,000
			Tetrachloroethene	11/21/08	3000	20,000	3/17/09	3600	24,000	5/15/09	3100	21,000	7/23/09	2200 (J-)	15,000 (J-)
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/21/08	7400	57,000	3/17/09	12,000	93,000	5/15/09	14,000	110,000	7/23/09	15,000	120,000
			Trichloroethane[1,1,1-]	11/21/08	76,000	420,000	3/17/09	76,000	420,000	5/15/09	71,000	390,000	7/23/09	78,000	430,000
			Trichloroethene	11/21/08	14,000	76,000	3/17/09	14,000	75,000	5/15/09	14,000	74,000	7/23/09	14,000	74,000
			Trichlorofluoromethane	11/21/08	860	4800	3/17/09	1200	6600	5/15/09	1100	6400	7/23/09	1100	6400
	74	71.5–76.5	Benzene	11/21/08	330	1000	3/17/09	300	960	5/15/09	320	1000	7/23/09	280	900
			Carbon Tetrachloride	11/21/08	440	2800	3/17/09	640	4000	5/15/09	660	4200	7/23/09	660	4100

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-27643	74	71.5–76.5	Chlorobenzene	11/21/08	190	900	3/17/09	210	950	5/15/09	ND	ND	7/23/09	230	1000
			Chloroform	11/21/08	3100	15,000	3/17/09	3400	16,000	5/15/09	3600	18,000	7/23/09	3500	17,000
			Dichlorodifluoromethane	11/21/08	220	1100	3/17/09	200	980	5/15/09	200	1000	7/23/09	220	1100
			Dichloroethane[1,1-]	11/21/08	1900	7600	3/17/09	1900	7700	5/15/09	2300	9200	7/23/09	2100	8400
			Dichloroethane[1,2-]	11/21/08	2300	9300	3/17/09	2500	10,000	5/15/09	2700	11,000	7/23/09	2600	10,000
			Dichloroethene[1,1-]	11/21/08	19,000	75,000	3/17/09	3600	14,000	5/15/09	4400	17,000	7/23/09	3900	15,000
			Dichloropropane[1,2-]	11/21/08	6800	31,000	3/17/09	7700	35,000	5/15/09	8700	40,000	7/23/09	7900	36,000
			Ethanol	11/21/08	1300	2400	3/17/09	ND	ND	5/15/09	ND	ND	7/23/09	ND	ND
			Methylene Chloride	11/21/08	1900	6600	3/17/09	2000	7100	5/15/09	2500	8500	7/23/09	1900	6700
			Tetrachloroethene	11/21/08	3400	23,000	3/17/09	4400	30,000	5/15/09	4400	30,000	7/23/09	3000 (J-)	20,000 (J-)
			Tetrahydrofuran	11/21/08	6400	19,000	3/17/09	6900	20,000	5/15/09	8400	25,000	7/23/09	6500	19,000
			Toluene	11/21/08	420	1600	3/17/09	420	1600	5/15/09	460	1700	7/23/09	430	1600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/21/08	8800	68,000	3/17/09	12,000	94,000	5/15/09	15,000	120,000	7/23/09	16,000	120,000
			Trichloroethane[1,1,1-]	11/21/08	88,000	480,000	3/17/09	100,000	550,000	5/15/09	100,000	570,000	7/23/09	110,000	590,000
			Trichloroethene	11/21/08	20,000	110,000	3/17/09	22,000	120,000	5/15/09	23,000	120,000	7/23/09	22,000	120,000
			Trichlorofluoromethane	11/21/08	1900	10,000	3/17/09	2100	12,000	5/15/09	2200	13,000	7/23/09	2200	12,000
			Xylene[1,2-]	11/21/08	360	1500	3/17/09	370	1600	5/15/09	410	1800	7/23/09	410	1800
	117	114.5–119.5	Benzene	11/21/08	640	2000	3/17/09	500	1600	5/15/09	540	1700	7/23/09	490	1600
			Carbon Tetrachloride	11/21/08	460	2900	3/17/09	720	4500	5/15/09	690	4300	7/23/09	720	4500
			Chlorobenzene	11/21/08	220	1000	3/17/09	250	1100	5/15/09	ND	ND	7/23/09	240	1100
			Chloroform	11/21/08	3600	17,000	3/17/09	3900	19,000	5/15/09	4300	21,000	7/23/09	4100	20,000
			Dichlorodifluoromethane	11/21/08	320	1600	3/17/09	270	1400	5/15/09	300	1500	7/23/09	290	1400
			Dichloroethane[1,1-]	11/21/08	1800	7200	3/17/09	1900	7700	5/15/09	2200	9100	7/23/09	2000	8200
			Dichloroethane[1,2-]	11/21/08	2800	11,000	3/17/09	3000	12,000	5/15/09	3400	14,000	7/23/09	3200	13,000
			Dichloroethene[1,1-]	11/21/08	21,000	85,000	3/17/09	5400	21,000	5/15/09	6800	27,000	7/23/09	6000	24,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-27643	117	114.5–119.5	Dichloropropane[1,2-]	11/21/08	6000	28,000	3/17/09	6900	32,000	5/15/09	8200	38,000	7/23/09	7200	33,000
			Ethanol	11/21/08	1700	3300	3/17/09	ND	ND	5/15/09	ND	ND	7/23/09	ND	ND
			Methylene Chloride	11/21/08	5200	18,000	3/17/09	5700	20,000	5/15/09	6900	24,000	7/23/09	5500	19,000
			Tetrachloroethene	11/21/08	3100	21,000	3/17/09	3800	26,000	5/15/09	4100	28,000	7/23/09	2500 (J-)	17,000 (J-)
			Tetrahydrofuran	11/21/08	570	1700	3/17/09	750	2200	5/15/09	900	2600	7/23/09	710	2100
			Toluene	11/21/08	1200	4400	3/17/09	1100	4100	5/15/09	1200	4400	7/23/09	1000	4000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/21/08	10,000	77,000	3/17/09	14,000	110,000	5/15/09	16,000	120,000	7/23/09	16,000	120,000
			Trichloroethane[1,1,1-]	11/21/08	88,000	480,000	3/17/09	100,000	550,000	5/15/09	110,000	590,000	7/23/09	110,000	600,000
			Trichloroethene	11/21/08	23,000	120,000	3/17/09	25,000	140,000	5/15/09	28,000	150,000	7/23/09	26,000	140,000
			Trichlorofluoromethane	11/21/08	2400	14,000	3/17/09	2900	16,000	5/15/09	3200	18,000	7/23/09	3000	17,000
			Xylene[1,2-]	11/21/08	540	2400	3/17/09	550	2400	5/15/09	530	2300	7/23/09	580	2500
	167	164.5–169.5	Benzene	11/21/08	820	2600	3/17/09	780	2500	5/15/09	810	2600	7/23/09	770	2400
			Carbon Tetrachloride	11/21/08	500	3100	3/17/09	760	4800	5/15/09	730	4600	7/23/09	800	5000
			Chlorobenzene	11/21/08	150	700	3/17/09	180	850	5/15/09	ND	ND	7/23/09	200	950
			Chloroform	11/21/08	3800	19,000	3/17/09	4300	21,000	5/15/09	4500	22,000	7/23/09	4700	23,000
			Dichlorodifluoromethane	11/21/08	460	2300	3/17/09	420	2100	5/15/09	410	2000	7/23/09	430	2100
			Dichloroethane[1,1-]	11/21/08	1500	6000	3/17/09	1600	6600	5/15/09	1800	7300	7/23/09	1800	7200
			Dichloroethane[1,2-]	11/21/08	2100	8600	3/17/09	2500	10,000	5/15/09	2500	10,000	7/23/09	2700	11,000
			Dichloroethene[1,1-]	11/21/08	20,000	81,000	3/17/09	8400	33,000	5/15/09	9700	38,000	7/23/09	9600	38,000
			Dichloropropane[1,2-]	11/21/08	4000	18,000	3/17/09	4800	22,000	5/15/09	5100	24,000	7/23/09	5200	24,000
			Hexane	11/21/08	250	900	3/17/09	300	1100	5/15/09	360	1200	7/23/09	350	1200
			Methanol	11/21/08	ND	ND	3/17/09	ND	ND	5/15/09	ND	ND	7/23/09	29,000	38,000
			Methylene Chloride	11/21/08	10,000	35,000	3/17/09	12,000	42,000	5/15/09	14,000	48,000	7/23/09	13,000	44,000
			Tetrachloroethene	11/21/08	2400	16,000	3/17/09	3200	21,000	5/15/09	3100	21,000	7/23/09	3500	24,000
			Toluene	11/21/08	1800	6900	3/17/09	1800	6700	5/15/09	1900	7100	7/23/09	2000	7700

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-27643	167	164.5–169.5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/21/08	12,000	96,000	3/17/09	17,000	130,000	5/15/09	20,000	150,000	7/23/09	20,000	160,000
			Trichloroethane[1,1,1-]	11/21/08	82,000	450,000	3/17/09	97,000	530,000	5/15/09	95,000	520,000	7/23/09	100,000	560,000
			Trichloroethene	11/21/08	24,000	130,000	3/17/09	28,000	150,000	5/15/09	28,000	150,000	7/23/09	30,000	160,000
			Trichlorofluoromethane	11/21/08	3200	18,000	3/17/09	3800	21,000	5/15/09	3900	22,000	7/23/09	4000	22,000
			Xylene[1,2-]	11/21/08	410	1800	3/17/09	480	2100	5/15/09	490	2100	7/23/09	540	2400
	275	272.5–277.5	Benzene	11/21/08	490	1600	3/17/09	470	1500	5/15/09	470	1500	7/23/09	500	1600
			Carbon Tetrachloride	11/21/08	390	2400	3/17/09	530	3300	5/15/09	530	3300	7/23/09	590	3700
			Chloroform	11/21/08	1700	8300	3/17/09	1900	9300	5/15/09	1900	9200	7/23/09	2100	10,000
			Dichlorodifluoromethane	11/21/08	490	2400	3/17/09	450	2200	5/15/09	440	2200	7/23/09	460	2300
			Dichloroethane[1,1-]	11/21/08	480	2000	3/17/09	540	2200	5/15/09	580	2400	7/23/09	590	2400
			Dichloroethane[1,2-]	11/21/08	85	340	3/17/09	110	440	5/15/09	100	420	7/23/09	120	470
			Dichloroethene[1,1-]	11/21/08	14,000	58,000	3/17/09	9100	36,000	5/15/09	10,000	40,000	7/23/09	11,000	42,000
			Dichloropropane[1,2-]	11/21/08	460	2100	3/17/09	550	2600	5/15/09	580	2700	7/23/09	600	2800
			Hexane	11/21/08	340	1200	3/17/09	400	1400	5/15/09	420	1500	7/23/09	440	1500
			Methanol	11/21/08	ND	ND	3/17/09	ND	ND	5/15/09	ND	ND	7/23/09	10,000	13,000
			Methylene Chloride	11/21/08	5400	19,000	3/17/09	6600	23,000	5/15/09	7200	25,000	7/23/09	7200	25,000
			Tetrachloroethene	11/21/08	1100	7600	3/17/09	1400	9600	5/15/09	1300	9000	7/23/09	1600	11,000
			Toluene	11/21/08	540	2000	3/17/09	600	2200	5/15/09	470	1800	7/23/09	580	2200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/21/08	9900	76,000	3/17/09	14,000	100,000	5/15/09	14,000	110,000	7/23/09	16,000	120,000
			Trichloroethane[1,1,1-]	11/21/08	34,000	190,000	3/17/09	42,000	230,000	5/15/09	40,000	220,000	7/23/09	46,000	250,000
			Trichloroethene	11/21/08	14,000	77,000	3/17/09	16,000	87,000	5/15/09	16,000	84,000	7/23/09	18,000	94,000
			Trichlorofluoromethane	11/21/08	2200	12,000	3/17/09	2600	15,000	5/15/09	2600	14,000	7/23/09	2800	16,000
	354	351.5–356.5	Benzene	11/21/08	95	300	3/17/09	140	450	5/15/09	95	300	7/23/09	150	470
			Carbon Tetrachloride	11/21/08	130	820	3/17/09	210	1300	5/15/09	130	830	7/23/09	220	1400

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2009			2nd Quarter FY2009			3rd Quarter FY2009			4th Quarter FY2009		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-27643	354	351.5–356.5	Chloroform	11/21/08	140	700	3/17/09	220	1000	5/15/09	150	720	7/23/09	240	1200
			Dichlorodifluoromethane	11/21/08	200	960	3/17/09	230	1100	5/15/09	ND	ND	7/23/09	240	1200
			Dichloroethane[1,1-]	11/21/08	47	190	3/17/09	69	280	5/15/09	50	200	7/23/09	80	320
			Dichloroethene[1,1-]	11/21/08	3000	12,000	3/17/09	3800	15,000	5/15/09	2700	11,000	7/23/09	4400	17,000
			Dichloropropane[1,2-]	11/21/08	ND	ND	3/17/09	ND	ND	5/15/09	10	46	7/23/09	15	70
			Ethanol	11/21/08	ND	ND	3/17/09	ND	ND	5/15/09	100 (J)	190 (J)	7/23/09	ND	ND
			Hexane	11/21/08	120	440	3/17/09	200	700	5/15/09	130	470	7/23/09	200	700
			Methylene Chloride	11/21/08	340	1200	3/17/09	550	1900	5/15/09	420	1400	7/23/09	630	2200
			Propylene	11/21/08	41	70	3/17/09	ND	ND	5/15/09	ND	ND	7/23/09	ND	ND
			Tetrachloroethene	11/21/08	180	1200	3/17/09	290	2000	5/15/09	190	1300	7/23/09	330	2300
			Toluene	11/21/08	56	210	3/17/09	75	280	5/15/09	46	170	7/23/09	63	240
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/21/08	2700	21,000	3/17/09	4300	33,000	5/15/09	3000	23,000	7/23/09	5200	40,000
			Trichloroethane[1,1,1-]	11/21/08	6300	34,000	3/17/09	8600	47,000	5/15/09	5500	30,000	7/23/09	9500	52,000
			Trichloroethene	11/21/08	2400	13,000	3/17/09	3600	20,000	5/15/09	2400	13,000	7/23/09	4000	21,000
			Trichlorofluoromethane	11/21/08	480	2700	3/17/09	740	4100	5/15/09	500	2800	7/23/09	810	4600

Note: See Appendix A for data qualifier definitions.

[a] ND = Nondetect.

[b] NS = Not sampled.

[c] Partially blocked port. Results may not be representative of sample depth.

[d] Location 54-24399 is an open borehole from 550 to 608 ft.

[e] Packer sample interval.

Table 5.0-2
Tritium Pore-Vapor Results at MDA L

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02001	40	37.5–42.5	11/24/08	3135	3/15/09	340.14	5/12/09	972.073	8/19/09	6007.46
	80	77.5–82.5	11/24/08	445.119	3/15/09	361.117	5/12/09	632.496	8/19/09	21279.9
	120	117.5–122.5	11/24/08	ND[a]	3/15/09	ND	5/12/09	636.843	8/19/09	5329.83
	140	137.5–142.5	11/24/08	ND	3/15/09	960.982	5/12/09	713.915	8/19/09	11290.3
54-02002	20	17.5–22.5	11/26/08	3734.24	NS[b]	NS	NS	NS	NS	NS
	40	37.5–42.5	NS	NS	3/26/09	7665.92	5/28/09	1310.75	7/29/09	944.114
	100	97.5–102.5	11/26/08	9630.34	3/26/09	3309.47	5/28/09	1986.34	7/29/09	1935.91
	120	117.5–122.5	11/26/08	2554	3/26/09	7912.72	NS	NS	7/29/09	1084.95
	140	137.5–142.5	NS	NS	NS	NS	5/28/09	8946.61	NS	NS
	180	177.5–182.5	11/26/08	2171.01	3/26/09	1782.55	5/28/09	1741.88	7/29/09	1015.22
54-02016	31	28.5–33.5	11/12/08	2597.01 (J)	3/21/09	1265	5/14/09	920.61	7/24/09	428.182
	82	79.5–84.5	11/12/08	8134.94 (J)	3/21/09	424.436	5/15/09	ND	7/23/09	ND
54-02021	20	10–30	11/19/08	1102.8	3/14/09	2385.25	5/12/09	3185.3	7/28/09	152.519 (R)
	100	90–110	11/19/08	3610.15	3/14/09	547.522	5/12/09	ND	7/28/09	276.255 (R)
	120	110–130	11/19/08	485.826	3/14/09	ND	NS	NS	NS	NS
	140	130–150	11/19/08	919.764	3/14/09	ND	5/12/09	1119.82	7/28/09	68.5902 (R)
	160	150–170	NS	NS	NS	NS	5/12/09	ND	7/29/09	ND
54-02022	40	37.5–42.5	11/21/08	413.282	3/13/09	ND	5/11/09	2103.29	7/28/09	151.988 (R)
	80	77.5–82.5	11/21/08	881.236	3/13/09	615.866	5/11/09	15257.5	7/28/09	131.541 (R)
	120	117.5–122.5	11/21/08	ND	3/13/09	ND	5/11/09	876.43	7/28/09	3.15289 (R)
	140	137.5–142.5	11/21/08	590.816	3/13/09	ND	5/11/09	409.275	7/28/09	111.061 (R)
54-02023	40	30–50	12/9/08	1473.47	4/2/09	ND	ND	ND	8/5/09	ND
	100	90–110	12/9/08	371.033	4/2/09	ND	6/2/09	ND	8/5/09	21345.2 (J)

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02023	120	110–130	12/9/08	352.348	ND	ND	6/2/09	308.807	8/5/09	ND[c]
	159	149–169	12/9/08	567.479	4/2/09	ND	6/2/09	ND	8/5/09	ND
54-02024	40	30–50	12/1/08	ND	3/30/09	ND	5/29/09	ND	8/3/09	593.346
	100	90–110	12/1/08	ND	3/29/09	438.965	5/29/09	ND	8/3/09	ND
	120	110–130	12/1/08	245.102	NS	NS	NS	NS	NS	NS
	140	130–150	NS	NS	3/29/09	493.193	5/29/09	1941	8/3/09	344.746
	160	150–170	12/1/08	ND	3/29/09	443.535	5/29/09	ND	8/3/09	1702.42
54-02025	20	20	12/3/08	645.968	3/28/09	ND	5/28/09	ND	7/31/09	ND
	100	100	12/3/08	403.428	3/28/09	ND	5/28/09	ND	7/31/09	ND
	160	160	12/3/08	962.586	3/28/09	ND	5/29/09	ND	7/31/09	7169.76
54-02026	20	20	12/5/08	ND	4/1/09	ND	6/1/09	ND	8/4/09	ND
	100	100	12/5/08	ND	4/1/09	ND	6/1/09	ND	8/3/09	ND
	160	160	12/5/08	ND	4/1/09	ND	6/1/09	641.355	8/3/09	ND
54-02027	20	20	12/4/08	318.914	3/30/09	390.011	5/29/09	ND	7/31/09	554.172
	100	100	12/4/08	ND	3/30/09	909.1	5/29/09	ND	7/31/09	999.626
	200	200	12/4/08	546.396	3/30/09	ND	5/29/09	ND	7/31/09	350.176
54-02028	20	20	12/8/08	315.884	3/31/09	ND	6/1/09	ND	8/5/09	ND
	100	100	12/8/08	260.465	3/31/09	ND	6/1/09	35760.7	8/5/09	35187.7
	160	160	12/8/08	448.792	3/31/09	ND	6/1/09	ND	8/5/09	ND
54-02031	20	20	11/18/08	ND	3/16/09	21595.5	5/13/09	ND	8/18/09	ND
	100	100	11/18/08	ND	3/16/09	ND	5/13/09	ND	8/18/09	ND
	160	160	11/18/08	ND	3/16/09	ND	5/13/09	ND	8/18/09	ND
	260	260	11/18/08	ND	3/16/09	ND	5/13/09	ND	8/18/09	627.913
54-02034	20	20	11/20/08	316.568	3/12/09	ND	5/5/09	29077.6	7/27/09	0 (R)
	60	60	11/20/08	274.608	3/12/09	2508.63	5/5/09	831.685	7/27/09	429.269 (R)

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02034	160	160	11/20/08	ND	3/12/09	2823.14	5/5/09	8207.77	7/27/09	60.4133 (R)
	260	260	11/20/08	565.079	3/12/09	21,725.9	5/5/09	119069	7/27/09	-21.8644 (R)
	300	300	11/20/08	641.271	3/12/09	27,303	5/5/09	2621.76	7/27/09	455.968 (R)
54-02089	31	31	11/13/08	6898.95 (J)	3/23/09	8209.44	5/15/09	16640.1	7/22/09	488.43
	46	46	11/13/08	20,797.4	3/23/09	8172.25	5/15/09	4875.88	7/21/09	7034.8
54-24238	64	63–65	11/12/08	3082.31 (J)	3/22/09	ND	5/18/09	3103.87	7/22/09	1867.1
54-24239	25	24–26	11/17/08	429.258	4/2/09	ND	5/13/09	ND	7/20/09	1259.35
	75	74–76	11/17/08	ND	4/2/09	ND	5/13/09	ND	7/20/09	1111.41
54-24240	28	27–29	11/7/08	355.975	3/17/09	679.034	5/21/09	ND	7/20/09	626.275
	53	52–54	11/7/08	502.451	3/17/09	388.352	5/21/09	ND	7/20/09	580.898
	128	127–129	11/7/08	1218.78	3/17/09	2104.96	5/21/09	ND	7/27/09	645.182 (R)
	153	152–154	11/7/08	3608.16	3/17/09	ND	5/21/09	ND	7/27/09	508.804 (R)
54-24241	73	71–74	11/13/08	5150.43	3/19/09	3491.54	5/19/09	2773.52	7/21/09	2810.4
	113	112–114	11/13/08	5314.76	3/19/09	ND	5/21/09	ND	7/21/09	ND
	133	132–134	11/13/08	1135.19	3/19/09	ND	5/19/09	778.211	7/21/09	ND
54-24242	25	24–26	11/14/08	326.824	3/24/09	575.769	5/21/09	ND	7/17/09	457.04
	50	49–51	11/14/08	987.541	3/24/09	1994.2	5/21/09	ND	7/17/09	414.674
54-24243	25	24–26	11/25/08	4721.43	3/25/09	4292.27	5/27/09	4765.12	7/30/09	11723.2
	75	74–76	11/25/08	309,607	3/25/09	38,5591	5/27/09	396,776	7/30/09	379494
	125	124–126	11/25/08	20,757.7	3/25/09	ND	5/27/09	33,000.1	7/30/09	37573.3
54-24399	550	550–608	12/2/08	ND	3/23/09	ND	5/12/09	ND	8/12/09	1747.84
54-27641	32	29.5–34.5	11/10/08	488.512	3/18/09	ND	5/18/09	541.034	8/18/09	1204.3
	82	79.5–84.5	11/10/08	225.481	3/18/09	1325.73	5/19/09	10,099.7	8/18/09	843.2
	115	112.5–117.5	11/10/08	ND	3/18/09	ND	5/18/09	ND	8/18/09	805.673
	182	179.5–184.5	11/10/08	233.04	3/18/09	350.804	5/18/09	ND	8/18/09	339.301

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	1st Quarter FY2009		2nd Quarter FY2009		3rd Quarter FY2009		4th Quarter FY2009	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-27641	271	268.5–273.5	11/10/08	396.355	3/18/09	516.723	5/20/09	ND	8/19/09	ND
	332.5	330–335	11/10/08	825.541	3/18/09	ND	5/20/09	566.865	8/19/09	ND
54-27642	30	27.5–32.5	11/10/08	6116.63 (J)	3/20/09	2163.08	5/14/09	ND	7/23/09	298.466
	75	71.5–76.5	11/10/08	10,895.1 (J)	3/20/09	10604.5	5/14/09	ND	7/23/09	1729.68
	116	114.5–119.5	11/10/08	39636	3/20/09	6610.83	5/14/09	ND	7/23/09	3017.31
	175	172.5–177.5	11/10/08	5143.36 (J)	3/20/09	1888.69	5/14/09	ND	7/23/09	960.636
	275	272.5–277.5	11/10/08	5286.46 (J)	3/20/09	1303.7	5/14/09	ND	7/24/09	335.889
	338	335.5–340.5	11/10/08	3606.74 (J)	3/20/09	447.234	5/14/09	ND	7/23/09	ND
54-27643	30	27.5–32.5	12/2/08	970.19	3/28/09	840.751	5/28/09	1031.31	7/30/09	281.64
	74	71.5–76.5	12/2/08	780.489	3/28/09	708.616	5/28/09	471.435	7/30/09	747.098
	117	114.5–119.5	12/2/08	683.488	3/28/09	825.77	5/28/09	3957.82	7/30/09	254.007
	167	164.5–169.5	12/2/08	1272.33	3/28/09	ND	5/28/09	376.124	7/30/09	308.832
	275	272.5–277.5	12/2/08	1336.17	3/28/09	1964.69	5/28/09	355.292	7/30/09	300.153
	354	351.5–356.5	12/2/08	642.334	3/28/09	2582.05	5/28/09	1947.99	7/30/09	ND

[a] ND = Nondetect.

[b] NS = Not sampled.

[c] Partially blocked port. Results may not be representative of sample depth.

Appendix A

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

A-1.0 ACRONYMS AND ABBREVIATIONS

B&K	Brüel and Kjær
bgs	below ground surface
Consent Order	Compliance Order on Consent
COPC	chemical of potential concern
DCE	1,1-dichloroethylene
DER	duplicate error ratio
EPA	Environmental Protection Agency (U.S.)
ER ID	Environmental Remediation and Surveillance Program identification number
FLUTe	Flexible Liner Underground Technology
FY	fiscal year
kPa	pressure differential
LANL	Los Alamos National Laboratory
LCS	laboratory control sample
MCL	maximum contaminant level
MDA	material disposal area
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NOD	notice of disapproval
PCE	tetrachloroethene
pCi/L	picocurie(s) per liter
PD	percent difference
PID	photoionization detector
QA	quality assurance
QC	quality control
RPF	Records Processing Facility
SL	screening level
SOP	standard operating procedure
SOW	statement of work
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 (µm)	0.0000394	inches (in.)
square kilometers (km^2)	0.3861	square miles (mi^2)
hectares (ha)	2.5	acres
square meters (m^2)	10.764	square feet (ft^2)
cubic meters (m^3)	35.31	cubic feet (ft^3)
kilograms (kg)	2.2046	pounds (lb)
grams (g)	0.0353	ounces (oz)
grams per cubic centimeter (g/cm^3)	62.422	pounds per cubic foot (lb/ft^3)
milligrams per kilogram (mg/kg)	1	parts per million (ppm)
micrograms per gram (µg/g)	1	parts per million (ppm)
liters (L)	0.26	gallons (gal.)
milligrams per liter (mg/L)	1	parts per million (ppm)
degrees Celsius (°C)	9/5 + 32	degrees Fahrenheit (°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

Quality Assurance/Quality Control Program

B-1.0 INTRODUCTION

This appendix presents the analytical methods and data quality review, and summarizes the data quality of the field and laboratory 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 (SOW) 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, 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 SOW (LANL 2000, 071233). Other QC factors, such as sample preservation and holding times, were also assessed. The requirements for sample preservation and holding times are presented in the Standard Operating Procedure (SOP) EP-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. The SOPs used for data validation are presented in Table B-1.0-1. Copies of the analytical data, laboratory logbooks, and instrument printouts are provided in Appendix C (on CD).

A systematic low bias in previously-reported tritium pore-vapor measurements was identified (Whicker et al. 2009, 106429), and all tritium data presented in this report are corrected for this bias (Marczak 2009, 106500). The tritium results were corrected using the percent moisture value determined by the analytical laboratory. Details are discussed in section B-4.0.

Analytical data were reviewed and evaluated based on U.S. Environmental Protection Agency (EPA) National Functional Guidelines for 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 the appropriate analytical records. Definitions of the data qualifiers are presented in Appendix A.

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. The chain-of-custody forms are provided in Appendix C (on CD).

B-1.2 Sample Documentation

Establishing sample documentation acceptability, as described in EP-ERSS-SOP-5058, is the first step toward verifying that 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 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 potential unacceptable changes in analyte concentrations, is described in EP-ERSS-SOP-5056. 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 and 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 chemical results are not detected if reported results are less than or equal to the method detection limit adjusted by sample-specific dilution or concentration factors.

Tritium results reported at less than the minimum detectable activity are not detected. Each tritium 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).

Uncertainty and minimum detectable activity results for tritium have been modified in the same manner as the analytical results to account for the bound water found in silica gel used for sample collection (section B-4.0).

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 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 Matrix Spike Recoveries

A matrix spike is an aliquot of a sample spiked with a known concentration of the target analyte(s). Matrix spike 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 matrix spikes vary by method, but should generally be greater than 10% for an analytical result to be usable (LANL 2000, 071233).

B-1.10 Surrogate

Surrogates (an organic chemical compound) are similar in composition and behavior to target analytes but are not typically found in environmental samples. Surrogates 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 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 are chemical compounds 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 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 from $\geq$50% to $\leq$200% (LANL 2000, 071233).

B-1.12 Laboratory Control Sample Recoveries

A Laboratory Control Sample (LCS) is a known matrix that has been spiked with compound(s) 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 determine the long-term precision of an analytical method on various matrices. All percent differences (PDs) between samples and field duplicates should be $\pm$35% (LANL 2000, 071233). The PD is defined by the equation $PD = [|D1 - D2|/(D1 + D2)] \times 100\%$, where D1 and D2 represent analytical measurements on duplicate samples.

For radionuclides, the duplicate error ratio (DER) is also 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 2σS and 2σD represent the 2-sigma uncertainties surrounding the original and duplicate samples, respectively. A DER below 3 indicates sample-to-field duplicate precision that is in control.

Field duplicates 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.

B-1.14 Field Blanks, Equipment Blanks, and Performance Evaluations

A field blank is a sample of analyte-free medium 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.

An equipment blank is a sample used to verify cleanliness of the sampling equipment. It is collected after completion of decontamination and before sampling.

A performance evaluation is a sample of the field-screening instrument (Brüel and Kjær [B&K]) operational check gas. The operational check gas is of known quantities of mixed organic analytes in nitrogen.

B-2.0 LABORATORY ANALYSIS SUMMARY

During the third quarter of fiscal year (FY) 2009, 83 volatile organic compound (VOC) pore-gas samples, 8 field blank samples, 8 field duplicate samples, and 3 VOC performance evaluation samples were collected at Solid Waste Management Unit 54-006, also known as Material Disposal Area (MDA) L. Additionally, 83 tritium samples, 8 field blank samples, and 8 field duplicate samples were collected. Analysis of pore gas was conducted for VOCs using EPA Method TO-15, and analysis for tritium was conducted using EPA Method 906.0. Table B-2.0-1 lists the analytical methods used for VOC and tritium analyses. All QC procedures were followed, as required by the analytical services SOW (LANL 2000, 071233). Validated analytical results have been corrected for tritium underreporting.

Sample locations, sampling ports, and validated analytical results are presented in Tables 5.0-1 and 5.0-2 of this periodic monitoring 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 tritium and VOC analyses are summarized in the following sections. The required minimum detectable activity or estimated quantitation limit is prescribed in the analytical services SOW (LANL 2000, 071233).

B-3.0 ORGANIC CHEMICAL ANALYSES

No VOC data were rejected.

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

The initial calibration verification and/or the multipoint calibration coefficient did not meet the appropriate criteria for 181 VOC results. One affected result was qualified as estimated (J), 180 results were qualified as estimated not detected (UJ).

Initial or continuing calibration verification was recovered outside method-specific limits for 167 results. Twenty-nine results were qualified as estimated (J) and 138 results were qualified as estimated not detected (UJ).

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

Analyte identification criteria were met for all VOC results.

B-3.7 Method Blank

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 Laboratory Control Sample Recoveries

The Laboratory Control Sample (LCS) recoveries were less than the lower allowable limit but greater than 10% for 10 VOC results. Affected results were qualified as estimated biased low (J-).

B-3.11 Laboratory and Field Duplicates

Laboratory duplicates indicate acceptable precision. Five field duplicate results and their associated sample results had percent differences that were greater than 35%. These include the methylene chloride result collected on July 24, 2009 from borehole 54-02022 at 40 ft bgs as well as results for acetone, butanone (2-), trichloroethane (1,1,1-), and trichloroethene collected on August 12, 2009, from borehole 54-24399 at 550 ft bgs. Field duplicate results are presented in Table 3.11-1.

B-3.12 Field Blanks

One result for dichloropropane(1,2-), collected from borehole 54-27642 at 337 ft bgs was qualified as not detected (U) because the sample result was ≤5 times the concentration of the related analyte in the field blank.

B-4.0 RADIONUCLIDE ANALYSES

Fourteen tritium results were rejected because the associated laboratory duplicate sample has a DER greater than the acceptance limits. The rejected results are from the following boreholes and depths: 54-02021 at 20, 100, and 140 ft bgs; 54-02022 at 40, 80, 120, and 140 ft bgs; 54-02034 at 20, 60, 160, 260, and 300 ft bgs and 54-24240 at 128 and 153 ft bgs.

During a technical review of EP-ERSS-SOP-5074, Sampling Sub-Atmospheric Air, the Laboratory determined that analytical results were not being corrected for water bound in the silica gel used to collect vapor samples, thereby identifying a systematic low bias in previously-reported tritium results (Whicker et al. 2009, 106429). The low bias resulted from the properties of silica gel, the sample medium used to collect water vapor from pore-gas samples. Silica gel contains nontritiated water vapor bound to the silica gel molecules that cannot be completely removed by drying before its use in sampling, without degrading the silica gel properties. Thus, when water vapor is collected from pore space, the tritiated sample water vapor is mixed/diluted into the clean water bound to the silica gel molecules. The amount of dilution is proportional to the amount of silica gel-bound water in the original sample and the amount of moisture collected in the sample. The tritium results were corrected using the percent moisture value determined by the analytical laboratory (Marczak 2009, 106500). The corrected tritium results are reported in Table 5.0-2 of this periodic monitoring report and in Appendix C (on CD).

B-4.1 Maintenance of Chain of Custody

Chain of custody was properly maintained for all samples.

B-4.2 Sample Documentation

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 Analyte Quantitation

Nine tritium sample results were qualified as not detected (U) because the associated sample concentration was less than or equal to the method detection concentration. These samples include one sample each from borehole locations 54-02016, 54-02021, 54-02024, 54-02026, 54-27642, and 54-27643 and three samples from borehole location 54-02031.

B-4.6 Method Blanks

Nine tritium results were ≤5 times the concentration of tritium in the method blank and were qualified as not detected (U). These results were from samples collected at three depths for borehole 54-02023 and at two depths each for boreholes 54-02026, 54-02028, and 54-27641.

One tritium result from a sample collected at borehole 54-02023 was qualified as estimated (J) because the analyte was identified in the method blank but at >5 times the concentration detected in the method blank.

B-4.7 Laboratory Control Sample Recoveries

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

B-4.8 Laboratory and Field Duplicates

Fourteen detected tritium results and the associated laboratory duplicate results had a DER greater than 3 and were qualified as rejected (R). Two detected tritium results and the associated field duplicate results had a DER greater than 3. These were from samples collected at 54-02024 on August 3, 2009, at 160 ft bgs and from borehole 54-24243 collected on July 31, 2009, at 75 ft bgs. The sample records potentially affected by a larger-than-expected field duplicate DER are listed in Table B-4.8-1. Sampling results are not qualified based on field duplicate precision.

B-4.9 Field Blanks

Four sample results were qualified as not detected (U) because the sample result is ≤5 times the concentration of the related analyte in the trip blank.

B-5.0 FIELD-MONITORING SUMMARY

B-5.1 Volatile Organic Compounds

Field-monitoring data are less costly to generate than analytical 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 analytical laboratory analyses. Field-monitoring data provide analyte (or at least chemical class) identification and often some degree of quantification.

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

The B&K is maintained through calibration and changing or cleaning of filters as needed. The B&K is calibrated before use each quarter by a certified calibration laboratory. The B&K is adjusted before each day's use to compensate for ambient pressure and temperature. An operational check is conducted before each day's use through the analysis of ambient air readings and triplicate readings of known quantities of organic analytes in nitrogen. These verification check analyses confirm analytical stability, the instrument zero point for each analyte is correctly set, and the stored calibration curve remains applicable to current instrument response to the presence of organic chemicals. Concentrations of gas standards analyzed before each day's use are within ±20% of their known values. Additionally, during each sample analysis, a low-sample flow condition triggers an alarm on the B&K, and the VOC measurement is not completed.

The presence of nontarget VOCs 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 µm proportional to its concentration. Other VOCs generating an acoustic signal in response to light at this wavelength include 1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon-114) and dichlorofluoromethane (Freon-21), neither of which is reported by EPA Method TO-15. PCE generates an acoustic signal in response to light with a wavelength of 11.1 µm. Other VOCs responding to light at this wavelength include styrene and 1,1,2-trichloro-1,2,2-trifluoroethane (Freon-113), neither of which is reported by EPA Method TO-15, and dichlorodifluoromethane (Freon-12), ethanol, and 1,1-dichloroethylene (DCE). Results indicate that DCE and Freon-113 are detected in most samples at MDA L at concentrations that generate a measurable acoustic signal in response to light with a wavelength that is included in the acoustic signal interpreted as PCE that may bias the PCE readings high using the B&K. Table B-5.1-1 presents VOCs that interfere with each of the four B&K target analytes.

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

- On June 15, 2009, the B&K with serial number 1732805 was calibrated before the fourth-quarter monitoring event. The zero points were set for TCA, TCE, Freon-11, PCE, carbon dioxide (CO_2), and water vapor. Span concentrations of TCA at 10.4 ppm, TCE at 19.46 ppm, Freon-11 at 3.8 ppm, PCE at 21.4 ppm, and CO_2 at 2.5 ppm were used to generate calibration response curves.
- After the fourth-quarter monitoring event, the B&K with serial number 1732805 was calibrated.

The Landtec GEM 500 PID is calibrated by a certified calibration laboratory. During calibration, methane (CH_4), oxygen (O_2), and CO_2 zero points are set, and each analyte's calibration response curve is developed. The CH_4 reading is filtered to an infrared absorption frequency of 3.41 mm (nominal), the frequency specific to hydrocarbon bonds. Landtec instruments are calibrated using certified 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 CH_4 reading will be higher (never lower) than the actual CH_4 concentration being monitored. The extent to which the CH_4 reading is affected depends upon the concentration of the CH_4 in the sample and the concentration of the other hydrocarbons. The effect of other hydrocarbons is nonlinear and difficult to predict. The CO_2 reading is filtered to an infrared absorption frequency of 4.29 µm (nominal), the frequency specific to CO_2. Therefore, any other gases usually found on landfill sites will not affect the CO_2 reading. The O_2 sensor is a galvanic cell type and suffers no influence from 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 CH_4 and CO_2 are expected. O_2 is expected to read 20.9%. O_2 readings within ±25% of 20.9% are acceptable.

Data generated using the Landtec GEM-500 PID are supported by calibration records that arrive with the rented instrument before the period of analyses. Calibration is performed by Geotech's Colorado Service Center in Denver, Colorado. Calibration information is reported below for the Landtec PID used to generate results presented in this periodic monitoring report.

- Unit 915 was calibrated on June 26, 2009. The zero points were set for CH_4, CO_2, and O_2. Calibration was performed so that CH_4 and CO_2 reached ±15% of a known concentration, and O_2 was set to read ambient air at 20.9%. Pump flow was confirmed to be 500 cc/min.

B-5.2 Tritium

Silica gel is the medium used at the Laboratory to collect moisture from pore-vapor samples. This moisture is analyzed for tritium using liquid scintillation counting. Dry silica gel contains bound water, which dilutes the tritium in the pore-vapor moisture sample. A correction factor for this dilution is developed for each sample based on the percent moisture determined by the analytical laboratory (Marczak 2009, 106500; Whicker et al. 2009, 106429).

Silica gel is prepared for sampling by drying it at a temperature above 100°C. This drying does not remove bound water. The amount of silica gel used in each sample is weighed before sample collection (typically about 135 g). The sample canister with silica gel is weighed before sampling. The sampling procedure, EP-ERSS-SOP-5074, Sampling of Sub-Atmospheric Air, requires that at least 5 g of moisture be collected. Following sampling, the sample canister with silica gel is weighed again.

The sample (canister plus silica gel) is shipped to the analytical laboratory where the canister with silica gel is weighed again. The silica gel is emptied into a distillation apparatus and heated to 110°C, driving moisture off the silica gel. This moisture is collected and analyzed for tritium by liquid scintillation. The laboratory also weighs the empty canister. The laboratory calculates the percent moisture of the sample as the amount of moisture collected divided by the calculated weight of the wet silica gel. The value of the tritium concentration and the calculated percent moisture are reported to the Laboratory in the analytical data package and the electronic data deliverable.

The correction factor for the impact of bound water is determined for each sample using the percent moisture value determined by the analytical laboratory (Marczak 2009, 106500). Tritium results presented in this report have been corrected for bound-water dilution.

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)

LANL (Los Alamos National Laboratory), December 2000. "University of California, Los Alamos National Laboratory (LANL), I8980SOW0-8S, Statement of Work for Analytical Laboratories," Rev. 1, Los Alamos National Laboratory, Los Alamos, New Mexico. (LANL 2000, 071233)

Marczak, S., July 2009. "Technical Implementation of the Correction Factor Calculation for Tritium in Pore-Gas Data," Los Alamos National Laboratory document LA-UR-09-4629, Los Alamos, New Mexico. (Marczak 2009, 106500)

Whicker, J.J., J.M. Dewart, S.P. Allen, W.F. Eisele, M.C. McNaughton, and A.A. Green, June 17, 2009. "Corrections for Measurement of Tritium in Subterranean Vapor Using Silica Gel," Los Alamos National Laboratory document LA-UR-09-03837, Los Alamos, New Mexico. (Whicker et al. 2009, 106429)

Table B-1.0-1
Data Validation Procedures

Procedure	Title	Effective Date
SOP-5161, Rev. 0	Routine Validation of Volatile Organic Compound (VOC) Analytical Data	6/10/2008
SOP-5166, Rev. 0	Routine Validation of Gamma Spectroscopy, Chemical Separation Alpha Spectrometry, Gas Proportional Counting, and Liquid Scintillation Analytical Data	6/30/2008

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

Analytical Method	Analytical Description	Target Compound List
EPA Method TO-15	VOCs in pore gas	See analytical services statement of work (LANL 2000, 071233)
EPA Method 906.0	Tritium in pore gas	Tritium

Table B-3.11-1
VOC Sample Record with Field Duplicate Percent Difference Above 35%

Borehole ID	Depth (ft)	Analyte	Sample Standard Result (µg/m^3)	Field Duplicate Result (µg/m^3)	Percent Difference
54-02022	40	Methylene Chloride	380	4400	84.1%
54-24399	550	Acetone	91	40	38.9%
54-24399	550	Butanone (2-)	34	11	51.1%
54-24399	550	Trichloroethane (1,1,1-)	477.833	2200	5.42%
54-24399	550	Trichloroethene	477.833	730	5.42%

Table B-4.8-1
Tritium Sample Record with Field Duplicate Duplicate Error Radio (DER) Above 3

Borehole ID	Depth (ft)	Analyte	Field Duplicate Uncertainty (pCi/L)	Field Duplicate Result (pCi/L)	Std Uncertainty (pCi/L)	Sample Result (pCi/L)	DER
54-02024	160	Tritium	92.5054	549.594	129.718	1702.42	3.618
54-24243	75	Tritium	10571.7	201927	19862.9	679494	3.946

Table B-5.1-1
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	Dipropylnitrosamine
PCE	1,1-Dimethylhydrazine
PCE	1,4-Diethylene dioxide
PCE	Cyclohexene
PCE	tert-Butyl alcohol
PCE	m-Vinyltoluene
PCE	Vinyl chloride
PCE	Tetrahydrofurane
PCE	Silicium tetrafluoride
PCE	Nitromethane
PCE	Nitrogen trifluoride
PCE	α-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 sulfide
Freon-11	Methyl acetate
Freon-11	Chloropicrine
Freon-11	Cyclohexane
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

Table B-5.1-1 (continued)

Target	Potential Interfering Analyte
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	Dinitrogendifluoride
TCE	2-Pentanone
TCE	2-Propanol
TCE	Sulfur hexafluoride
TCE	Vinyl chloride

Appendix C

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