LA-UR-09-5861
September 2009
EP2009-0466

Periodic Monitoring Report for Vapor-Sampling Activities at Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54, Third Quarter Fiscal Year 2009

Los Alamos
NATIONAL LABORATORY
EST.1943

Prepared by the Environmental Programs Directorate

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Responsible project leader:

Steve Paris		Project Leader	Environmental Programs	9/22/09
Printed Name	Signature	Title	Organization	Date

Responsible LANS representative:

Michael J. Graham		Associate Director	Environmental Programs	9/23/09
Printed Name	Signature	Title	Organization	Date

Responsible DOE representative:

David R. Gregory	Nancy Werdel for	Project Director	DOE-LASO	9/24/09
Printed Name	Signature	Title	Organization	Date

EXECUTIVE SUMMARY

This periodic monitoring report summarizes vapor-monitoring activities conducted during the third 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 third 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.

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 increase from the surface to depths between 32 and 160 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 125 and 200 ft bgs. In the two deeper eastern borehole locations, VOC concentrations decreased 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 or tritium source areas.

The sampling results for this periodic monitoring report were consistent with the last three quarters of sampling reports.

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1.0 INTRODUCTION

This periodic monitoring report presents the results of vapor-monitoring activities conducted during the third quarter of fiscal year (FY) 2009 at Material Disposal Area (MDA) L, Solid Waste Management Unit (SWMU) 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).

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). 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 (i.e., removed from service).

One 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. After they were decommissioned, the pit and impoundments were filled and covered with clean, crushed consolidated tuff. The bottom of each shaft was covered with 3 ft of crushed tuff to seal cracks and joints, and a steel cap was placed over the opening. When the shafts were filled 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).

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). The vapor-monitoring plan also requires the collection of volatile organic compound (VOC) 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 at MDA L 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 Resource Conservation and Recovery Act 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 subsurface L 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 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 (shaft fields 1 to 28) and the western source area (shaft fields 29 to 34). Both source areas are dominated by 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 over time in area, contaminant concentration, or composition (LANL 2008, 101718).

2.0 SCOPE OF ACTIVITIES

Vapor-sampling activities are 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 are 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.

Third quarter FY2009 vapor-monitoring activities were conducted from May 4 to June 2, 2009. Vapor-monitoring borehole locations, port depths, and corresponding sampling intervals that were field screened and sampled are presented in Table 2.0-1.

- 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 intervals in SUMMA canisters for laboratory analyses of VOCs using EPA Method TO-15.
- Tritium samples were collected in silica gel columns from selected 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.
- A total of 82 VOC samples were collected from 82 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 82 tritium samples were collected from 82 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 Third Quarter Deviations

Approved vapor-monitoring locations, port depths, and corresponding sampling intervals for MDA L are shown in Table 1.0-1. The following deviations occurred during third quarter FY2009 sampling activities.

- Tritium and VOC samples were not collected from the 120-ft port depth at borehole location 54-02002 because this port is blocked. A tritium sample and a 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 180 ft) at this location.
- Tritium and VOC samples were not collected from the 120-ft port depth at borehole location 54-02021 because this port is 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 the port is blocked and cannot be cleared. 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 borehole location 54-02001 at 160 and 180 ft bgs, borehole location 54-02002 at 80 and 120 ft bgs, borehole location 54-02016 at 18 ft bgs, borehole location 54-02021 at 80 and 120 ft bgs, borehole location 54-02023 at 140 and 180 ft bgs, borehole location 54-02024 at 120 ft bgs, borehole location 54-02031 at 220 ft bgs, and borehole location 54-01016 at 414.3 and 459.5 ft bgs. These blocked ports cannot be cleared.
- Low CO_2 was observed in borehole location 54-02025 at 60 ft bgs and in borehole location 54-02022 at 100 ft bgs, indicating blocked or partially blocked ports.

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 will be in equilibrium with the maximum concentrations of VOCs detected at MDA L 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 constant has changed since the last quarter leading to changes in the calculated concentrations in pore gas corresponding to the groundwater standard. 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 was in contact with groundwater. Table 3.0-1 presents the calculated concentrations of contaminants in pore gas corresponding to groundwater SLs.

4.0 FIELD-SCREENING RESULTS

Third quarter FY2009 vapor-monitoring, field-screening activities were conducted at MDA L from May 4 to May 21, 2009. Vapor-monitoring borehole locations, port depths, and corresponding sampling intervals sampled during this quarter are provided in Table 2.0-1. 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 third 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 third 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 borehole location 54-02001 at 160 and 180 ft bgs, borehole location 54-02002 at 80 and 120 ft bgs, borehole location 54-02016 at 18 ft bgs, borehole location 54-02021 at 80 and 120 ft bgs, borehole location 54-02023 at 140 and 180 ft bgs, borehole location 54-02024 at 120 ft bgs, borehole location 54-02031 at 220 ft bgs, and borehole location 54-01016 at 414.3 and 459.5 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 borehole location 54-02025 at 60 ft bgs and in borehole location 54-02022 at 100 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 subatmospheric air conditions (versus ambient surface air conditions). This is because of the blocked ports in relation to the B&K airflow or the low airflow while purging. Blocked ports and ports presenting low B&K CO_2 readings are identified in Table 2.0-1. According to the NMED-approved 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 at the 80-ft port depth; and 54-02016, 54-02023, 54-02031, and 54-02021 at the 80-ft port depth. VOC and tritium samples were to be collected in borehole locations 54-02002 at 120 ft bgs, 54-02021 at 120 ft bgs, and in 54-02024 at 120 ft bgs. As noted in the third quarter deviations (section 2.1), VOC and tritium samples were collected at alternate port depths in these three borehole locations.

5.0 ANALYTICAL DATA RESULTS

Third quarter FY2009 vapor-sampling activities were conducted at MDA L from May 4 to June 2, 2009. Borehole sampling locations and port depths are provided in Table 2.0-1. 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 third quarter of FY2009 and the three previous quarters. Detected VOC concentrations for all third 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 third quarter of FY2009 and the three previous quarters. Detected tritium activity levels for all third 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 third 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-vapor measurements has been identified (Whicker et al. 2009, 106429); tritium data presented in Table 5.0-2 and Appendix C have been corrected for this bias (Marczak 2009, 106500). The bias resulted from the properties of silica gel, the medium used to collect water vapor from pore-gas samples. Silica gel contains water bound to the silica gel molecules that cannot be completely removed by drying before it is used in sampling 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 bound to the silica gel molecules. The tritium results were corrected using the percent moisture value determined by the analytical laboratory.

5.1 Data Summary

During the third quarter of FY2009, 23 VOCs were detected at least once in laboratory-analyzed vapor samples collected from MDA L. TCA, TCE, Freon-11, 1,1-dichloroethene, and 1,1,2-trichloro-1,2,2,-trifluoroethane were detected in all 83 samples analyzed for VOCs. TCA was the VOC detected at the highest concentration. TCA was detected at a maximum concentration of 3,100,000 µg/m^3 (560,000 ppbv) in borehole location 54-27642 at the 30-ft port depth, which is consistent with concentrations detected at this location during previous sampling events (Table 5.0-1). Also detected in at least 90% of third quarter FY2009 samples analyzed were PCE, 1,1-dichloroethane, and chloroform. Third 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 are found at depths ranging from 25 to 175 ft bgs. Within most western borehole locations, concentrations of the most common VOCs listed above increase to a certain depth then decrease to the total depth (TD) of the borehole. In these five western borehole locations (borehole locations 54-02021, 54-02022, 54-02031, 54-02034, and 54-24240), the depth of maximum VOC concentrations occurred between 53 and 160 ft bgs. In the other two western borehole locations (borehole locations 54-02001 and 54-27641), most of the highest VOC concentrations were in the shallowest interval sampled at 40 or 32 ft bgs.

The highest VOC concentrations in seven of the eastern boreholes (borehole locations 54-02023, 54-02024, 54-02025, 54-02026, 54-02027, 54-02028, and 54-24243) occurred in the deepest interval sampled between 125 and 200 ft bgs. VOC concentrations increased to maximums between 117 and 175 ft bgs in the two deeper eastern borehole locations (54-27642 and 54-27643) sampled then decreased with depth 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. Eastern borehole location 54-02002 also diverged from this trend, with highest concentrations of 16 detected VOCs in the two shallowest intervals at 40 and 100 ft bgs, which then decreased with depth.

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 location 54-24399 and borehole location 54-24238, where only one depth was required to be sampled. The Otowi Member (Qbo) interval was sampled at borehole locations 54-02034, 54-27641, 54-27642, and 54-24673. The lowest detected concentrations of six of the most common VOCs (TCA; TCE; Freon-11; 1,1,2-trichloro-1,2,2,-trifluoroethane; 1,1-dichloroethene, and chloroform) and dichlorodifluoromethane were in the samples collected from the Qbo interval just above the basalt. The lowest concentrations for the other two common VOCs, 1,1-dichloroethane and PCE, were in samples collected from the Qbt 2 interval at borehole location 54-02026.

Tritium was detected in 41 of the 83 samples analyzed at activity levels ranging from 309 to 396,776 pCi/L. The maximum tritium activity level (396,776 pCi/L) detected during the third quarter FY2009 sampling event was collected from the 75-ft port depth in borehole location 54-24243. This activity level is similar to the second quarter FY2009 result at the same depth in this borehole but is about half of the tritium activity reported in the fourth quarter of FY2008. 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 (119,069 pCi/L), measured during the third quarter FY2009 from the 260-ft port depth in borehole location 54-02034, is about one-third of the maximum tritium activity. Of the remaining 39 tritium detections, 6 were greater than 10,000 pCI/L, 17 were between 1000 and 10,000 pCi/L, and 16 were less than 1000 pCi/L. Tritium results were generally consistent with results from the previous three quarters.

5.2 Data Evaluation

A screening evaluation was performed to evaluate if the VOC concentrations detected during the third 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 third quarter of FY2009. The screening evaluated 21 detected VOCs for which there are MCLs, NMWQCC standards, or EPA regional tap water SLs. Table 5.2-1 shows the SVs calculated for the relevant VOCs. Eleven VOCs had SVs greater than 1.0, including benzene; carbon tetrachloride; chloroform; 1,1-dichloroethane; 1,2-dichloroethane; 1,1-dichloroethene; 1,2-dichloropropane; methylene chloride; PCE; TCA; and TCE. The highest SV was found in 1,2-dichloroethane. Because some SVs exceeded 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). Fifteen VOCs were detected in the deepest sample (depth interval from 505 to 608 ft) from borehole location 54-24399. Screening of these 15 VOCs resulted in SVs below 1.0 (Table 5.2-2). 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.

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 third quarter FY2009 monitoring event are summarized as follows.

- VOCs were detected in all 83 pore-gas samples analyzed during the third quarter of FY2009.
- VOC concentrations are consistent with concentrations reported during the previous three quarters of sampling.
- VOC concentrations increase from the ground surface to a maximum concentration between 32 and 160 ft bgs in the western borehole locations and primarily between 117 and 200 ft bgs in the eastern borehole locations.

- VOC concentrations 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 increased with depth to a maximum concentration at the deepest interval between 125 and 200 ft bgs in eight eastern borehole locations. In the two eastern borehole locations that were drilled into deeper formations, VOC concentrations increased to maximum concentrations in that same interval then decreased with depth. One eastern borehole location 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.
- 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 41 of the 83 samples analyzed during the third quarter of FY2009.
- Tritium activities are consistent with activities reported during the previous three quarters of sampling.
- Tritium activities ranged from 309 to 396,776 pCi/L and varied with depth and location.

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)

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)

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 & Project Initiation Group, Infrastructure Planning Office; September19, 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.
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 & Project Initiation Group, Infrastructure Planning Office; September 2007; as published December 4, 2008.

Legend Item	Data Source
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.

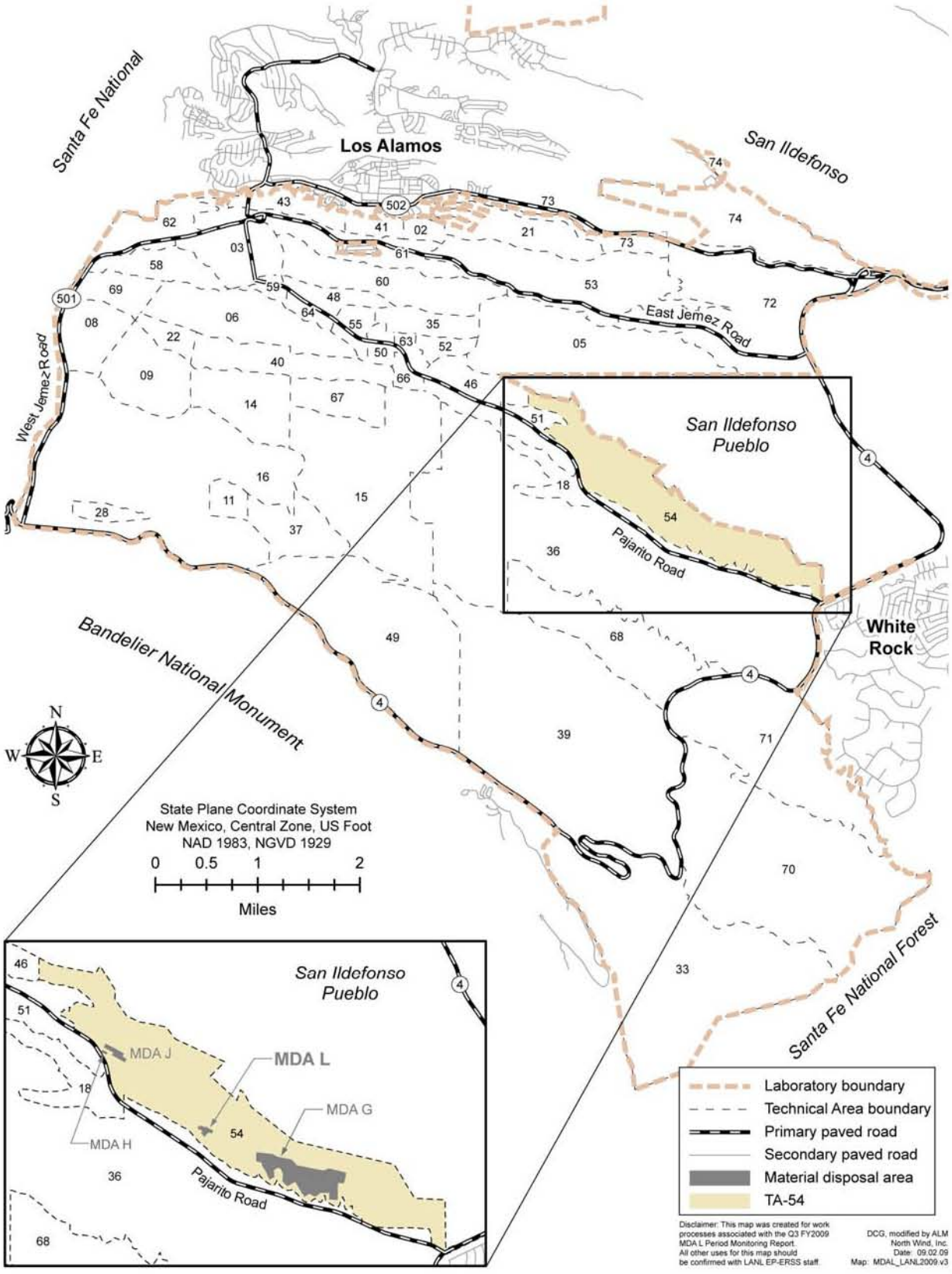

Figure 1.0-1 MDA L in TA-54 with respect to Laboratory TAs and surrounding land holdings

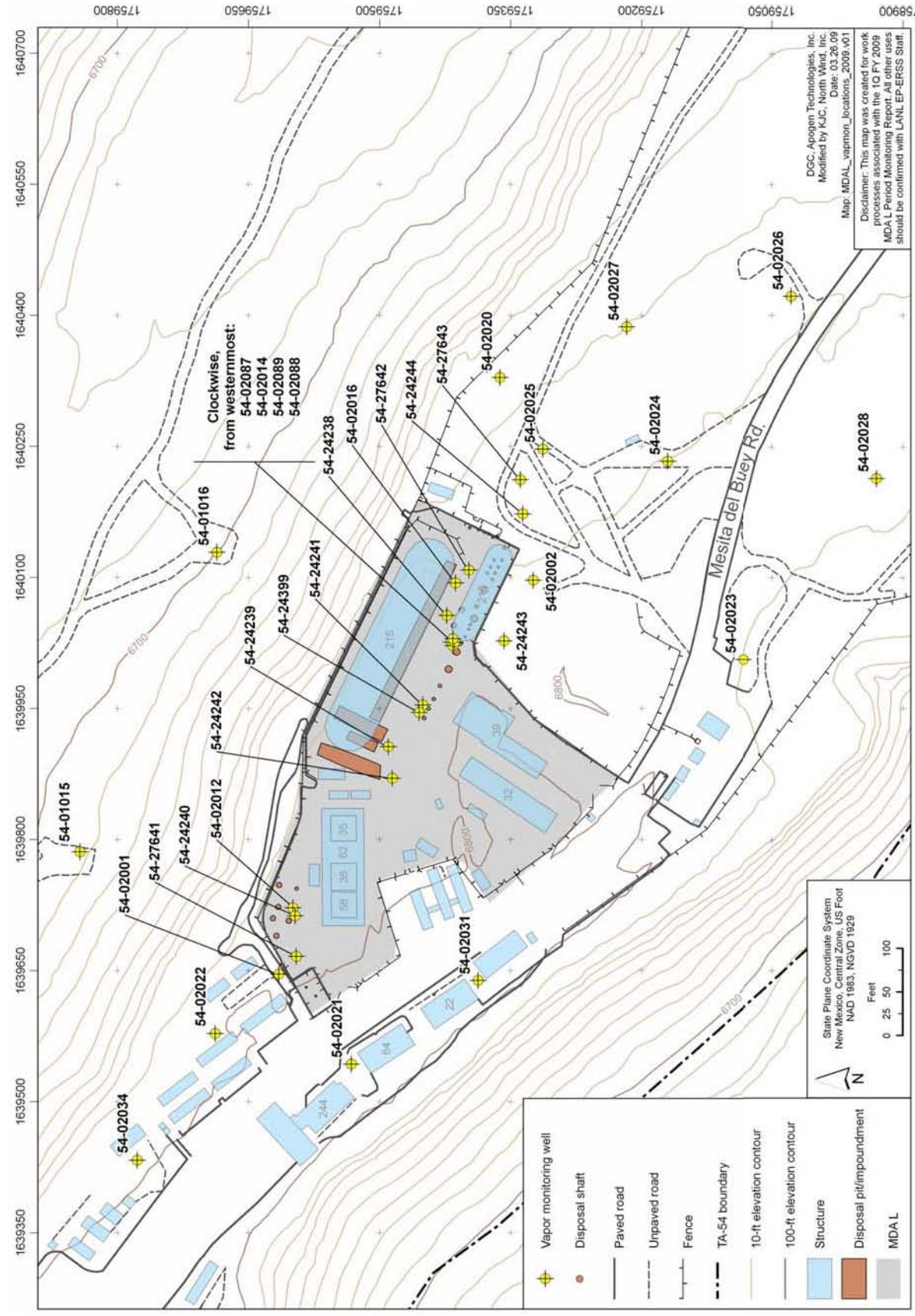

Figure 1.0-2 MDA L pore-gas monitoring boreholes

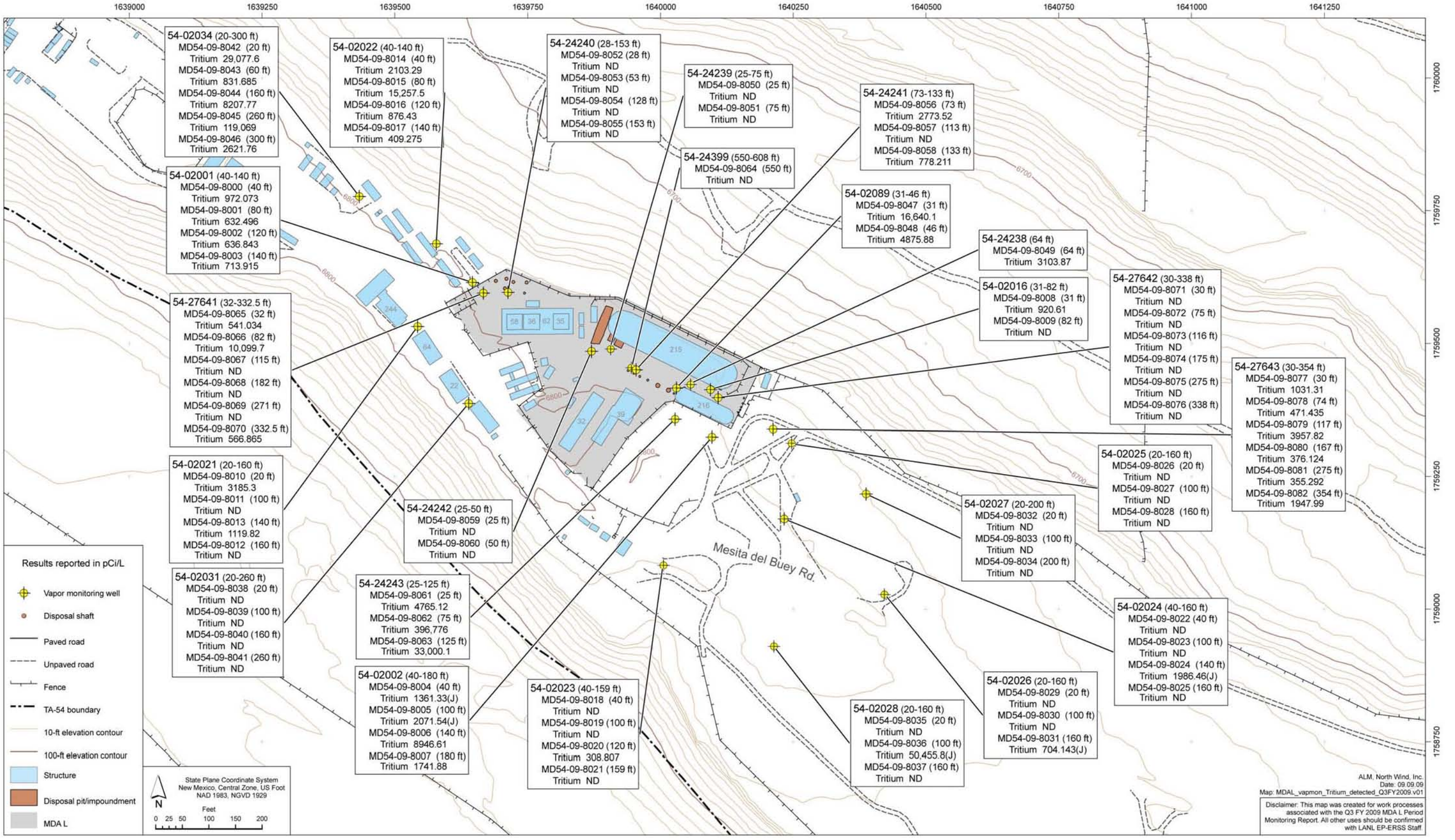

Figure 5.0-1 Tritium detected in vapor samples at MDA L

Table 1.0-1
MDA L Subsurface Vapor-Monitoring Locations

Borehole ID	VOC and Tritium Sampling Port Depths 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 Depths (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)**

Note: Depths highlighted in bold denote intervals where VOC and tritium samples are to be collected.

[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
Third Quarter FY2009 MDA L Subsurface Vapor-Monitoring Locations

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 (386–396), 414.3[a] (473–483), 459.5[a] (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[a] (157.5–162.5), 180[a] (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[a] (77.5–82.5), **100 (97.5–102.5)**, 120[a] (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[a] (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[a] (70–90), **100 (90–110),** 120[a] (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[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[a] (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)

Table 2.0-1 (continued)

Borehole ID	VOC and Tritium Sampling Port Depths Intervals (ft bgs)
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[a] (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[b]	25 (25), 50 (50), 75 (75), 100 (100), 118.5 (118.5)
54-24399[c]	**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)**

Note: Depths highlighted in bold denote intervals where both VOC and tritium samples were collected.

[a] Blocked ports.

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

[c] Open borehole.

Table 3.0-1
Henry's Law Constant, Groundwater SLs, and
Calculated Concentrations Corresponding to Groundwater SLs for Selected VOCs

VOC	Henry's Law Constant[a] (dimensionless)	Groundwater SL (µg/L)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m^3)
Acetone	0.0016	22,000[b]	35,200
Benzene	0.228	5[c]	1140
Butanone[2-]	0.0023	7100[b]	16,330
Carbon Tetrachloride	1.1	5[c]	5500
Chlorobenzene	0.13	100[c]	13,000
Chloroform	0.15	100[d]	15,000
Dichlorodifluoromethane	14	390[b]	5,460,000
Dichloroethane[1,1-]	0.23	25[d]	5750
Dichloroethane[1,2-]	0.048	5[c]	240
Dichloroethene[1,1-]	1.1	5[d]	5500
Dichloropropane[1,2-]	0.12	5[c]	600
Ethanol	na[e]	na[e]	na[e]
Hexane	74	880[b]	65,120,000
Methylene Chloride	0.13	5[c]	650
Tetrachloroethene	0.72	5[c]	3600
Tetrahydrofuran	na[e]	na[e]	na[e]
Toluene	0.272	750[d]	204,000
Trichloro-1,2,2-trifluoroethane[1,1,2-]	22	59,000[b]	1,298,000,000
Trichloroethane[1,1,1-]	0.705	60[d]	42,300
Trichloroethene	0.4	5[c]	2000
Trichlorofluoromethane	4	1300[b]	5,200,000
Xylene[1,2-]	0.213	1400[b]	298,200
Xylene[1,3-]+Xylene[1,4-]	0.27	10,000[c,f]	2,700,000

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

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

[b] EPA regional screening level table (http://www.epa.gov/region06/6pd/rcra_c/pd-n/screen.htm).

[c] EPA MCL (40 Code of Federal Regulations 141.61).

[d] NMWQCC groundwater standard (20.6.2.3103 New Mexico Administrative Code).

[e] na = Not available.

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

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	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-01015	Ambient	Ambient	CO_2	NS[a]	NS	11/25/08	0	3/26/09	0	5/27/09	0
			O_2	NS	NS	11/25/08	21.2	3/26/09	21.2	5/27/09	20.6
	37.6	36–46	CO_2	NS	NS	11/25/08	0.3	3/26/09	0	5/27/09	0
			O_2	NS	NS	11/25/08	20.9	3/26/09	21.2	5/27/09	20.7
	165.4	182–192	CO_2	NS	NS	11/25/08	0.3	3/26/09	0	5/27/09	0
			O_2	NS	NS	11/25/08	20.7	3/26/09	20.9	5/27/09	20.8
	308.3	340–352	CO_2	NS	NS	11/25/08	0.2	3/26/09	0	5/27/09	0
			O_2	NS	NS	11/25/08	20.6	3/26/09	21	5/27/09	20.7
	333.3	375–385	CO_2	NS	NS	11/25/08	0	3/26/09	0	5/27/09	0
			O_2	NS	NS	11/25/08	21	3/26/09	21	5/27/09	20.7
	377.7	425–435	CO_2	NS	NS	11/25/08	0	3/26/09	0	5/27/09	0
			O_2	NS	NS	11/25/08	20.7	3/26/09	20.8	5/27/09	20.6
	426.5	480–490	CO_2	NS	NS	11/25/08	0	3/26/09	0	5/27/09	0
			O_2	NS	NS	11/25/08	21	3/26/09	20.7	5/27/09	20.5
	462.1	520–530	CO_2	NS	NS	11/25/08	0	3/26/09	0	5/27/09	0
			O_2	NS	NS	11/25/08	21.2	3/26/09	20.7	5/27/09	20.6
54-01016	Ambient	Ambient	CO_2	NS	NS	11/25/08	0	3/26/09	0	5/27/09	0
			O_2	NS	NS	11/25/08	21.3	3/26/09	20.9	5/27/09	20.5
	30.8	30–40	CO_2	NS	NS	11/25/08	0	3/26/09	0	5/27/09	0.1
			O_2	NS	NS	11/25/08	21.5	3/26/09	21.2	5/27/09	20.1
	162.2	178–190	CO_2	NS	NS	11/25/08	0	3/26/09	0	5/27/09	0.3
			O_2	NS	NS	11/25/08	21.4	3/26/09	21.2	5/27/09	20

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-01016	274.7	318–324	CO_2	NS	NS	11/25/08	0	3/26/09	0	5/27/09	0
			O_2	NS	NS	11/25/08	21.4	3/26/09	21.1	5/27/09	20.2
	336.3	386–396	CO_2	NS	NS	11/25/08	0	3/26/09	0	5/27/09	0
			O_2	NS	NS	11/25/08	21.4	3/26/09	21.1	5/27/09	20
	414.3	473–483	CO_2	NS	NS	11/25/08	0	3/26/09	0[b]	5/27/09	0[c]
			O_2	NS	NS	11/25/08	21.4	3/26/09	21.1[b]	5/27/09	20[c]
	459.5	530–540	CO_2	NS	NS	11/25/08	0	3/26/09	0[b]	5/27/09	0[c]
			O_2	NS	NS	11/25/08	21.2	3/26/09	20.7[b]	5/27/09	19.9[c]
	517.6	592–602	CO_2	NS	NS	11/25/08	0	3/26/09	0[b]	5/27/09	0
			O_2	NS	NS	11/25/08	20.8	3/26/09	20.1[b]	5/27/09	20
54-02001	Ambient	Ambient	CO_2	8/27/08	0	11/14/08	0	3/10/09	0	5/5/09	0
			O_2	8/27/08	21.1	11/14/08	21.3	3/10/09	21.2	5/5/09	21.1
	20	17.5–22.5	CO_2	8/27/08	1.1	11/14/08	1.7	3/10/09	1.4	5/5/09	0.9
			O_2	8/27/08	20	11/14/08	19.8	3/10/09	20.8	5/5/09	20.1
	40	37.5–42.5	CO_2	8/27/08	0.8	11/14/08	1.5	3/10/09	0.7	5/5/09	1
			O_2	8/27/08	20	11/14/08	19.5	3/10/09	21.1	5/5/09	20.1
	60	57.5–62.5	CO_2	8/27/08	0.6	11/14/08	0.9	3/10/09	0.7[c]	5/5/09	0.8
			O_2	8/27/08	20	11/14/08	19.8	3/10/09	20.9[c]	5/5/09	19.8
	80	77.5–82.5	CO_2	8/27/08	0.7	11/14/08	1.2	3/10/09	1	5/5/09	0.6
			O_2	8/27/08	20	11/14/08	19.6	3/10/09	20.3	5/5/09	20.3
	100	97.5–102.5	CO_2	8/27/08	0.6	11/14/08	1	3/10/09	1.7	5/5/09	0.9
			O_2	8/27/08	20	11/14/08	19.6	3/10/09	20.2	5/5/09	20.2
	120	117.5–122.5	CO_2	8/27/08	0.6	11/14/08	0.9	3/10/09	1.4	5/5/09	0.8
			O_2	8/27/08	20	11/14/08	19.6	3/10/09	20.2	5/5/09	20.2

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02001	140	137.5–142.5	CO_2	8/27/08	0.6	11/14/08	1	3/10/09	1.4	5/5/09	0.8
			O_2	8/27/08	20	11/14/08	19.7	3/10/09	20.3	5/5/09	20.1
	160	157.5–162.5	CO_2	8/27/08	0.5	11/14/08	0.1	3/10/09	1.4[b]	5/5/09	0.6[c]
			O_2	8/27/08	20	11/14/08	20.4	3/10/09	20.3[b]	5/5/09	20.5[c]
	180	177.5–182.5	CO_2	8/27/08	0.4	11/14/08	1	3/10/09	0.8[b]	5/5/09	0.6[c]
			O_2	8/27/08	20	11/14/08	19.7	3/10/09	20.9[b]	5/5/09	20.4[c]
	200	197.5–202.5	CO_2	8/27/08	0.4	11/14/08	0.9	3/10/09	1.3	5/5/09	0.7
			O_2	8/27/08	20	11/14/08	19.8	3/10/09	20.2	5/5/09	20.2
54-02002	Ambient	Ambient	CO_2	8/7/08	0	11/17/08	0	3/19/09	0.1	5/19/09	0
			O_2	8/7/08	20.9	11/17/08	21.7	3/19/09	21.2	5/19/09	21
	20	17.5–22.5	CO_2	8/7/08	0	11/17/08	1.4	3/19/09	1.4	5/19/09	0.9
			O_2	8/7/08	20.9	11/17/08	20.3	3/19/09	19.9	5/19/09	19.8
	40	37.5–42.5	CO_2	8/7/08	0	11/17/08	1.7	3/19/09	1.5	5/19/09	1.1
			O_2	8/7/08	20.9	11/17/08	19.6	3/19/09	19.7	5/19/09	19.3
	60	57.5–62.5	CO_2	8/7/08	0	11/17/08	2.2	3/19/09	1.8	5/19/09	1.4
			O_2	8/7/08	20.8	11/17/08	19.2	3/19/09	19.3	5/19/09	19
	80	77.5–82.5	CO_2	8/7/08	1.4	11/17/08	2.1	3/19/09	2[c]	5/19/09	1.2[c]
			O_2	8/7/08	19.5	11/17/08	19.3	3/19/09	19.1[c]	5/19/09	19[c]
	100	97.5–102.5	CO_2	8/7/08	1.4	11/17/08	2.1	3/19/09	0	5/19/09	1.3
			O_2	8/7/08	19.5	11/17/08	19.3	3/19/09	21	5/19/09	18.9
	120	117.5–122.5	CO_2	8/7/08	1.1	11/17/08	1.8	3/19/09	1.7	5/19/09	1.1[c]
			O_2	8/7/08	19.5	11/17/08	19.7	3/19/09	19.8	5/19/09	19.1[c]
	140	137.5–142.5	CO_2	8/7/08	1.2	11/17/08	1.7	3/19/09	1.6	5/19/09	1.1
			O_2	8/7/08	19.5	11/17/08	19.5	3/19/09	19.7	5/19/09	19.2

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02002	157	154.5–159.5	CO_2	8/7/08	0.9	11/17/08	1.6	3/19/09	0	5/19/09	0.9
			O_2	8/7/08	19.8	11/17/08	19.6	3/19/09	21.3	5/19/09	19.3
	180	177.5–182.5	CO_2	8/7/08	1.2	11/17/08	1.8	3/19/09	1.6	5/19/09	1.1
			O_2	8/7/08	19.5	11/17/08	19.4	3/19/09	19.7	5/19/09	18.9
	200	197.5–202.5	CO_2	8/7/08	0.7	11/17/08	0.9	3/19/09	0.5	5/19/09	0.7
			O_2	8/7/08	19.9	11/17/08	20	3/19/09	20.8	5/19/09	19.3
54-02016	Ambient	Ambient	CO_2	8/20/08	0	11/4/08	0.3	3/12/09	0.4	5/13/09	0
			O_2	8/20/08	20.9	11/4/08	20.4	3/12/09	21.6	5/13/09	20.9
	18	15.5–20.5	CO_2	8/20/08	1.7	11/4/08	1	3/12/09	0.4[c]	5/13/09	1.8[c]
			O_2	8/20/08	19.2	11/4/08	19.1	3/12/09	21.7[c]	5/13/09	18.1[c]
	31	28.5–33.5	CO_2	8/20/08	2.5	11/4/08	3.8	3/12/09	0.5	5/13/09	2
			O_2	8/20/08	18.1	11/4/08	8.6	3/12/09	20.5	5/13/09	17.4
	82	79.5–84.5	CO_2	8/20/08	2.1	11/4/08	3.6	3/12/09	0.8	5/13/09	2.1
			O_2	8/20/08	18.5	11/4/08	8.8	3/12/09	21.3	5/13/09	18.1
54-02020	Ambient	Ambient	CO_2	NS	NS	11/24/08	0	3/24/09	0	5/26/09	0
			O_2	NS	NS	11/24/08	21.4	3/24/09	21.7	5/26/09	20.9
	20	10–30	CO_2	NS	NS	11/24/08	0.8	3/24/09	0.1	5/26/09	0.3
			O_2	NS	NS	11/24/08	20.7	3/24/09	21.6	5/26/09	20.6
	40	30–50	CO_2	NS	NS	11/24/08	0.8	3/24/09	0.1	5/26/09	0.4
			O_2	NS	NS	11/24/08	20.6	3/24/09	21.6	5/26/09	20.4
	60	50–70	CO_2	NS	NS	11/24/08	0.8	3/24/09	0	5/26/09	0.4
			O_2	NS	NS	11/24/08	20.5	3/24/09	21.4	5/26/09	20.3
	80	70–90	CO_2	NS	NS	11/24/08	0.7	3/24/09	0.1	5/26/09	0.4
			O_2	NS	NS	11/24/08	20.4	3/24/09	20.5	5/26/09	20.3

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02020	95	90–110	CO_2	NS	NS	11/24/08	0.7	3/24/09	0.1	5/26/09	0.4
			O_2	NS	NS	11/24/08	20.3	3/24/09	21.3	5/26/09	20.2
	120	110–130	CO_2	NS	NS	11/24/08	0.7	3/24/09	0	5/26/09	0.4
			O_2	NS	NS	11/24/08	20.3	3/24/09	21.2	5/26/09	20
	140	130–150	CO_2	NS	NS	11/24/08	0.7	3/24/09	0	5/26/09	0.4
			O_2	NS	NS	11/24/08	20.3	3/24/09	21.2	5/26/09	19.9
	160	150–170	CO_2	NS	NS	11/24/08	0.7	3/24/09	0	5/26/09	0.3
			O_2	NS	NS	11/24/08	20.3	3/24/09	21.7	5/26/09	19.9
	180	170–190	CO_2	NS	NS	11/24/08	0.7	3/24/09	0	5/26/09	0.4
			O_2	NS	NS	11/24/08	20.3	3/24/09	21.3	5/26/09	19.8
	200	190–210	CO_2	NS	NS	11/24/08	0.6	3/24/09	0	5/26/09	0.3
			O_2	NS	NS	11/24/08	20.3	3/24/09	21.1	5/26/09	19.5
54-02021	Ambient	Ambient	CO_2	8/25/08	0	11/12/08	0	3/11/09	0.6	5/5/09	0
			O_2	8/25/08	21.1	11/12/08	21.5	3/11/09	21.1	5/5/09	20.7
	20	10–30	CO_2	8/25/08	0.2	11/12/08	0.8	3/11/09	0.9	5/5/09	0.6
			O_2	8/25/08	20.8	11/12/08	20.4	3/11/09	20.7	5/5/09	19.2
	40	30–50	CO_2	8/25/08	0.4	11/12/08	0.7	3/11/09	0.6	5/5/09	0.6
			O_2	8/25/08	20.4	11/12/08	20.6	3/11/09	20.9	5/5/09	20.5
	60	50–70	CO_2	8/25/08	0.4	11/12/08	0.7	3/11/09	0.5	5/5/09	0.6
			O_2	8/25/08	20.4	11/12/08	20.6	3/11/09	20.9	5/5/09	20.4
	80	70–90	CO_2	8/25/08	0.4	11/12/08	0.6	3/11/09	0.5[c]	5/5/09	0.7[c]
			O_2	8/25/08	20.4	11/12/08	20.7	3/11/09	21[c]	5/5/09	20.4[c]
	100	90–110	CO_2	8/25/08	0.5	11/12/08	0.7	3/11/09	0.7	5/5/09	0.6
			O_2	8/25/08	20.3	11/12/08	20.4	3/11/09	20.6	5/5/09	20.4

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02021	120	110–130	CO_2	8/25/08	0.4	11/12/08	0.6	3/11/09	0.9[c]	5/5/09	0.6[c]
			O_2	8/25/08	20.3	11/12/08	20.6	3/11/09	20.6[c]	5/5/09	20.5[c]
	140	130–150	CO_2	8/25/08	0.4	11/12/08	0.7	3/11/09	0.5	5/5/09	0.6
			O_2	8/25/08	20.3	11/12/08	20.6	3/11/09	21.1	5/5/09	20.4
	160	150–170	CO_2	8/25/08	0.2	11/12/08	0.7	3/11/09	0.4	5/5/09	0.6
			O_2	8/25/08	20.4	11/12/08	20.6	3/11/09	21.4	5/5/09	20.5
	180	170–190	CO_2	8/25/08	0.4	11/12/08	0.7	3/11/09	0.7	5/5/09	0.6
			O_2	8/25/08	20.3	11/12/08	20.7	3/11/09	21.1	5/5/09	20.7
	198	190–210	CO_2	8/25/08	0.4	11/12/08	0.6	3/11/09	0.4	5/5/09	0.6
			O_2	8/25/08	20.3	11/12/08	20.7	3/11/09	21.4	5/5/09	20.6
54-02022	Ambient	Ambient	CO_2	8/28/08	0	11/13/08	0	3/11/09	0.6	5/4/09	0
			O_2	8/28/08	20.8	11/13/08	21.4	3/11/09	21.3	5/4/09	21.2
	20	17.5–22.5	CO_2	8/28/08	0.8	11/13/08	1.4	3/11/09	1.5	5/4/09	0.8
			O_2	8/28/08	20	11/13/08	20	3/11/09	20.8	5/4/09	20.3
	40	37.5–42.5	CO_2	8/28/08	0.7	11/13/08	1	3/11/09	1.5	5/4/09	0.8
			O_2	8/28/08	20.2	11/13/08	19.9	3/11/09	20.5	5/4/09	17.4
	60	57.5–62.5	CO_2	8/28/08	0.7	11/13/08	0.7	3/11/09	0.9	5/4/09	0.8
			O_2	8/28/08	20.1	11/13/08	20.3	3/11/09	21.1	5/4/09	20.3
	80	77.5–82.5	CO_2	8/28/08	0.7	11/13/08	0.9	3/11/09	1.4	5/4/09	0.8
			O_2	8/28/08	20.1	11/13/08	20.1	3/11/09	20.7	5/4/09	20.1
	100	97.5–102.5	CO_2	8/28/08	0.6	11/13/08	0.9	3/11/09	1.5	5/4/09	0.7[b]
			O_2	8/28/08	20.3	11/13/08	20.2	3/11/09	20.6	5/4/09	20.6[b]
	120	117.5–122.5	CO_2	8/28/08	0.6	11/13/08	0.9	3/11/09	1.3	5/4/09	0.8
			O_2	8/28/08	20.1	11/13/08	19.9	3/11/09	20.7	5/4/09	20.5

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02022	140	137.5–142.5	CO_2	8/28/08	0.5	11/13/08	0.8	3/11/09	1.8	5/4/09	0.7
			O_2	8/28/08	20.2	11/13/08	20.2	3/11/09	20.8	5/4/09	20.3
	160	157.5–162.5	CO_2	8/28/08	0.5	11/13/08	0.8	3/11/09	1	5/4/09	0.7
			O_2	8/28/08	20.2	11/13/08	20.3	3/11/09	20.7	5/4/09	20.5
	180	177.5–182.5	CO_2	8/28/08	0.5	11/13/08	0.7	3/11/09	0.9	5/4/09	0.7
			O_2	8/28/08	20.4	11/13/08	20.3	3/11/09	20.8	5/4/09	20.5
	200	197.5–202.5	CO_2	8/28/08	0.4	11/13/08	0.7	3/11/09	0.6	5/4/09	0.6
			O_2	8/28/08	20.4	11/13/08	20.3	3/11/09	21.2	5/4/09	20.5
54-02023	Ambient	Ambient	CO_2	8/15/08	NS	11/18/08	0.1	3/24/09	0	5/19/09	0
			O_2	8/15/08	NS	11/18/08	21.4	3/24/09	20.7	5/19/09	20.6
	20	10–30	CO_2	8/15/08	1.5	11/18/08	2.1	3/24/09	1.4	5/19/09	1.2
			O_2	8/15/08	19.7	11/18/08	19.7	3/24/09	19.8	5/19/09	19.3
	40	30–50	CO_2	8/15/08	1.2	11/18/08	2	3/24/09	0.4	5/19/09	1.1
			O_2	8/15/08	19.8	11/18/08	19.7	3/24/09	20.6	5/19/09	19.4
	60	50–70	CO_2	8/15/08	0.6	11/18/08	0.9	3/24/09	0.8	5/19/09	0.5
			O_2	8/15/08	20.3	11/18/08	20.3	3/24/09	20.1	5/19/09	19.6
	80	70–90	CO_2	8/15/08	0.8	11/18/08	1.3	3/24/09	0.1	5/19/09	0.9
			O_2	8/15/08	20.2	11/18/08	20.1	3/24/09	21	5/19/09	19.6
	100	90–110	CO_2	8/15/08	0.8	11/18/08	1.2	3/24/09	0	5/19/09	0.9
			O_2	8/15/08	20.2	11/18/08	20.2	3/24/09	21.2	5/19/09	19.6
	120	110–130	CO_2	8/15/08	0.7	11/18/08	0.9	3/24/09	0	5/19/09	0.7
			O_2	8/15/08	20.2	11/18/08	20.2	3/24/09	20.9	5/19/09	19.6
	140	130–149	CO_2	8/15/08	0.6	11/18/08	0.8	3/24/09	0[b]	5/19/09	0.6[c]
			O_2	8/15/08	20.2	11/18/08	20.2	3/24/09	20.9[b]	5/19/09	20[c]

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02023	159	149–169	CO_2	8/15/08	0.5	11/18/08	0.7	3/24/09	0	5/19/09	0.5
			O_2	8/15/08	20.4	11/18/08	20.2	3/24/09	20.9	5/19/09	20.2
	180	170–190	CO_2	8/15/08	0.7	11/18/08	1.1	3/24/09	0.9[c]	5/19/09	0.7[c]
			O_2	8/15/08	20.3	11/18/08	19.9	3/24/09	20.2[c]	5/19/09	20[c]
	200	190–210	CO_2	8/15/08	0.5	11/18/08	0.6	3/24/09	0	5/19/09	0.4
			O_2	8/15/08	20.3	11/18/08	20.2	3/24/09	21	5/19/09	20.6
54-02024	Ambient	Ambient	CO_2	8/6/08	0	11/18/08	0	3/21/09	0.1	5/21/09	0
			O_2	8/6/08	20.7	11/18/08	21.4	3/21/09	20.9	5/21/09	20.6
	20	10–30	CO_2	8/6/08	0.6	11/18/08	0.8	3/21/09	0.4	5/21/09	0.6
			O_2	8/6/08	20.7	11/18/08	20.5	3/21/09	20.6	5/21/09	19.9
	40	30–50	CO_2	8/6/08	0.4	11/18/08	0.8	3/21/09	0.3	5/21/09	0.4
			O_2	8/6/08	20.7	11/18/08	20.4	3/21/09	20.7	5/21/09	20
	60	50–70	CO_2	8/6/08	0.5	11/18/08	0.8	3/21/09	0	5/21/09	0.5
			O_2	8/6/08	20.7	11/18/08	20.3	3/21/09	20.9	5/21/09	19.9
	80	70–90	CO_2	8/6/08	0.4	11/18/08	0.8	3/21/09	0.3	5/21/09	0.5
			O_2	8/6/08	20.6	11/18/08	20.4	3/21/09	20.7	5/21/09	19.8
	100	90–110	CO_2	8/6/08	0.4	11/18/08	0.8	3/21/09	0.6	5/21/09	0.5
			O_2	8/6/08	20.6	11/18/08	20.2	3/21/09	20.5	5/21/09	19.8
	120	110–130	CO_2	NS	NS	11/18/08	0.8	3/21/09	0[c]	5/21/09	0.2[c]
			O_2	NS	NS	11/18/08	20.2	3/21/09	20.7[c]	5/21/09	20.1[c]
	140	130–150	CO_2	8/6/08	0.4	11/18/08	0.8	3/21/09	0	5/21/09	0.5
			O_2	8/6/08	20.7	11/18/08	20.2	3/21/09	21.1	5/21/09	20
	160	150–170	CO_2	8/6/08	0.3	11/18/08	0.8	3/21/09	0	5/21/09	0.4
			O_2	8/6/08	20.6	11/18/08	20.2	3/21/09	21.2	5/21/09	19.8

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02024	180	170–190	CO_2	8/6/08	0.3	11/18/08	0.8	3/21/09	0	5/21/09	0.4
			O_2	8/6/08	20.7	11/18/08	20.2	3/21/09	20.9	5/21/09	20
	200	190–210	CO_2	8/6/08	0.3	11/18/08	0.7	3/21/09	0.2	5/21/09	0.3
			O_2	8/6/08	20.8	11/18/08	20.2	3/21/09	21.1	5/21/09	19.7
54-02025	Ambient	Ambient	CO_2	8/13/08	0	11/20/08	0	3/20/09	0.2	5/18/09	0
			O_2	8/13/08	21.1	11/20/08	21.3	3/20/09	21	5/18/09	21.3
	20	20	CO_2	8/13/08	0.6	11/20/08	0.7	3/20/09	0.3	5/18/09	0.5
			O_2	8/13/08	20.6	11/20/08	20.7	3/20/09	20.6	5/18/09	20.4
	60	60	CO_2	8/13/08	0.1	11/20/08	0.1	3/20/09	0.2	5/18/09	0.2[b]
			O_2	8/13/08	20.8	11/20/08	21.3	3/20/09	20.7	5/18/09	20.5[b]
	100	100	CO_2	8/13/08	0.6	11/20/08	1	3/20/09	0.2	5/18/09	0.5
			O_2	8/13/08	20.2	11/20/08	20.1	3/20/09	20.7	5/18/09	20.2
	160	160	CO_2	8/13/08	0.5	11/20/08	1	3/20/09	0.1	5/18/09	0.4
			O_2	8/13/08	20.2	11/20/08	20.1	3/20/09	20.9	5/18/09	20.1
	190	190	CO_2	8/13/08	0.4	11/20/08	0.8	3/20/09	0.4	5/18/09	0.2
			O_2	8/13/08	20.3	11/20/08	20.2	3/20/09	20.6	5/18/09	20.4
54-02026	Ambient	Ambient	CO_2	8/13/08	0	11/20/08	0	3/20/09	0.1	5/21/09	0
			O_2	8/13/08	21.2	11/20/08	21.5	3/20/09	20.9	5/21/09	20.9
	20	20	CO_2	8/13/08	0.6	11/20/08	0.8	3/20/09	0.3	5/21/09	0.4
			O_2	8/13/08	20.7	11/20/08	21.1	3/20/09	20.7	5/21/09	20.1
	60	60	CO_2	8/13/08	0.5	11/20/08	0.9	3/20/09	0.5	5/21/09	0.4
			O_2	8/13/08	20.5	11/20/08	21	3/20/09	20.6	5/21/09	20.1
	100	100	CO_2	8/13/08	0.5	11/20/08	0.8	3/20/09	0.1	5/21/09	0.4
			O_2	8/13/08	20.5	11/20/08	21	3/20/09	20.8	5/21/09	20.1

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02026	160	160	CO_2	8/13/08	0.4	11/20/08	0.6	3/20/09	0.1	5/21/09	0.3
			O_2	8/13/08	20.6	11/20/08	21.2	3/20/09	20.8	5/21/09	20.1
	200	200	CO_2	8/13/08	0.2	11/20/08	0.6	3/20/09	0.3	5/21/09	0.3
			O_2	8/13/08	20.9	11/20/08	21.1	3/20/09	20.7	5/21/09	20.4
	215	215	CO_2	8/13/08	0.1	11/20/08	0.6	3/20/09	0.1	5/21/09	0.2
			O_2	8/13/08	20.9	11/20/08	21.5	3/20/09	20.8	5/21/09	20.4
54-02027	Ambient	Ambient	CO_2	8/14/08	0	11/20/08	0	3/20/09	0	5/20/09	0
			O_2	8/14/08	21	11/20/08	21.5	3/20/09	21.2	5/20/09	21.3
	20	20	CO_2	8/14/08	0.5	11/20/08	0.8	3/20/09	0.5	5/20/09	0.4
			O_2	8/14/08	20.8	11/20/08	20.6	3/20/09	20.8	5/20/09	20.5
	60	60	CO_2	8/14/08	0.5	11/20/08	0.8	3/20/09	0.6	5/20/09	0.3
			O_2	8/14/08	20.6	11/20/08	20.5	3/20/09	20.7	5/20/09	20.4
	100	100	CO_2	8/14/08	0.4	11/20/08	0.6	3/20/09	0.5	5/20/09	0.3
			O_2	8/14/08	20.5	11/20/08	20.3	3/20/09	21	5/20/09	20.5
	160	160	CO_2	8/14/08	0.3	11/20/08	0.7	3/20/09	0.1	5/20/09	0.3
			O_2	8/14/08	20.5	11/20/08	20.4	3/20/09	21.4	5/20/09	20.5
	200	200	CO_2	8/14/08	0.2	11/20/08	0.6	3/20/09	0	5/20/09	0.2
			O_2	8/14/08	20.5	11/20/08	20.4	3/20/09	21.3	5/20/09	20.5
	220	220	CO_2	8/14/08	0.2	11/20/08	0.6	3/20/09	0	5/20/09	0.2
			O_2	8/14/08	20.5	11/20/08	20.3	3/20/09	21.4	5/20/09	20.5
	250	250	CO_2	8/14/08	0.1	11/20/08	0.4	3/20/09	0	5/20/09	0.1
			O_2	8/14/08	20.5	11/20/08	20.5	3/20/09	21.4	5/20/09	20.5
54-02028	Ambient	Ambient	CO_2	8/14/08	0	11/26/08	0	3/21/09	0	5/21/09	0
			O_2	8/14/08	21	11/26/08	20.6	3/21/09	21	5/21/09	20.8

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02028	20	20	CO_2	8/14/08	0.3	11/26/08	0.4	3/21/09	0.3	5/21/09	0.3
			O_2	8/14/08	20.8	11/26/08	20.5	3/21/09	20.9	5/21/09	20.1
	60	60	CO_2	8/14/08	0.2	11/26/08	0.5	3/21/09	0.3	5/21/09	0.3
			O_2	8/14/08	20.7	11/26/08	20.5	3/21/09	20.8	5/21/09	20
	100	100	CO_2	8/14/08	0.2	11/26/08	0.5	3/21/09	0	5/21/09	0.3
			O_2	8/14/08	20.5	11/26/08	20.7	3/21/09	21	5/21/09	20
	160	160	CO_2	8/14/08	0.1	11/26/08	0.4	3/21/09	0	5/21/09	0.2
			O_2	8/14/08	20.7	11/26/08	20.5	3/21/09	20.8	5/21/09	20.1
	200	200	CO_2	8/14/08	0.7	11/26/08	0.4	3/21/09	0.2	5/21/09	0.2
			O_2	8/14/08	20.7	11/26/08	20.6	3/21/09	20.8	5/21/09	20.1
	220	220	CO_2	8/14/08	0.1	11/26/08	0.4	3/21/09	0.2	5/21/09	0.1
			O_2	8/14/08	20.8	11/26/08	20.7	3/21/09	20.9	5/21/09	20.1
	250	250	CO_2	8/14/08	0	11/26/08	0.4	3/21/09	0	5/21/09	0.1
			O_2	8/14/08	20.7	11/26/08	20.7	3/21/09	21	5/21/09	20.3
54-02031	Ambient	Ambient	CO_2	8/27/08	0	11/12/08	0	3/12/09	0.5	5/7/09	0
			O_2	8/27/08	21.1	11/12/08	21.3	3/12/09	21.1	5/7/09	21.2
	20	20	CO_2	8/27/08	1.5	11/12/08	2	3/12/09	0.9	5/7/09	1.1
			O_2	8/27/08	19.8	11/12/08	19.6	3/12/09	20.7	5/7/09	20.1
	60	60	CO_2	8/27/08	0.7	11/12/08	1	3/12/09	0.9	5/7/09	0.8
			O_2	8/27/08	20.4	11/12/08	20.2	3/12/09	20.8	5/7/09	20.2
	100	100	CO_2	8/27/08	0.6	11/12/08	0.8	3/12/09	0.5	5/7/09	0.7
			O_2	8/27/08	20.2	11/12/08	20.4	3/12/09	21.1	5/7/09	20.4
	160	160	CO_2	8/27/08	0.5	11/12/08	0.7	3/12/09	0.7	5/7/09	0.7
			O_2	8/27/08	20.3	11/12/08	20.4	3/12/09	20.9	5/7/09	20.3

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02031	200	200	CO_2	8/27/08	0.8	11/12/08	0.6	3/12/09	0.6	5/7/09	0.6
			O_2	8/27/08	20.3	11/12/08	20.4	3/12/09	21.1	5/7/09	20.4
	220	220	CO_2	8/27/08	0.6	11/12/08	0.8	3/12/09	0.4[c]	5/7/09	0.2[c]
			O_2	8/27/08	20.2	11/12/08	20.4	3/12/09	21.4[c]	5/7/09	21.1[c]
	260	260	CO_2	8/27/08	0.4	11/12/08	0.6	3/12/09	0.4	5/7/09	0.6
			O_2	8/27/08	20.5	11/12/08	20.2	3/12/09	21.4	5/7/09	20.3
54-02034	Ambient	Ambient	CO_2	8/29/08	0	11/13/08	0	3/10/09	0.6	5/4/09	0
			O_2	8/29/08	21.1	11/13/08	21	3/10/09	21.6	5/4/09	20.8
	20	20	CO_2	8/29/08	1.6	11/13/08	2.4	3/10/09	2	5/4/09	1.5
			O_2	8/29/08	19.5	11/13/08	19.5	3/10/09	20.6	5/4/09	19.6
	60	60	CO_2	8/29/08	0.8	11/13/08	1.4	3/10/09	1.5	5/4/09	0.9
			O_2	8/29/08	20.1	11/13/08	20	3/10/09	21.1	5/4/09	20.2
	100	100	CO_2	8/29/08	0.7	11/13/08	1	3/10/09	1.3	5/4/09	0.9
			O_2	8/29/08	20.2	11/13/08	20.1	3/10/09	21.1	5/4/09	20.2
	160	160	CO_2	8/29/08	0.5	11/13/08	0.7	3/10/09	1.2	5/4/09	0
			O_2	8/29/08	20.7	11/13/08	20.4	3/10/09	21.1	5/4/09	21
	200	200	CO_2	8/29/08	0.4	11/13/08	0.7	3/10/09	1	5/4/09	0.6
			O_2	8/29/08	20.5	11/13/08	20.4	3/10/09	21	5/4/09	20.4
	220	220	CO_2	8/29/08	0.4	11/13/08	0.6	3/10/09	0.6	5/4/09	0.6
			O_2	8/29/08	20.5	11/13/08	20.5	3/10/09	21.7	5/4/09	20.5
	260	260	CO_2	8/29/08	0.2	11/13/08	0.4	3/10/09	0.9	5/4/09	0.5
			O_2	8/29/08	20.7	11/13/08	20.6	3/10/09	21.1	5/4/09	20.6
	300	300	CO_2	8/29/08	0	11/13/08	0.2	3/10/09	0.8	5/4/09	0.3
			O_2	8/29/08	20.8	11/13/08	20.9	3/10/09	21.2	5/4/09	20.7

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02089	Ambient	Ambient	CO_2	8/21/08	0	11/7/08	0	3/16/09	0.2	5/6/09	0
			O_2	8/21/08	21.1	11/7/08	21.3	3/16/09	21.3	5/6/09	21
	13	13	CO_2	8/21/08	3	11/7/08	4.2	3/16/09	1.7	5/6/09	2.9
			O_2	8/21/08	17.4	11/7/08	8.5	3/16/09	20.1	5/6/09	17.4
	31	31	CO_2	8/21/08	3.4	11/7/08	4.8	3/16/09	0.3	5/6/09	3.6
			O_2	8/21/08	16.5	11/7/08	7.9	3/16/09	21.3	5/6/09	16.4
	46	46	CO_2	8/21/08	3.5	11/7/08	4.4	3/16/09	0.9	5/6/09	3.3
			O_2	8/21/08	16.2	11/7/08	8	3/16/09	20.5	5/6/09	16.6
	86	86	CO_2	8/21/08	2.9	11/7/08	3.7	3/16/09	2.2	5/6/09	3
			O_2	8/21/08	17.1	11/7/08	8.7	3/16/09	19.3	5/6/09	16.7
54-24238	Ambient	Ambient	CO_2	8/20/08	0	11/7/08	0	3/16/09	0.3	5/13/09	0
			O_2	8/20/08	20.9	11/7/08	21.2	3/16/09	21.2	5/13/09	21
	44	43–45	CO_2	8/20/08	3.1	11/7/08	4.9	3/16/09	3.2	5/13/09	3.7
			O_2	8/20/08	16.5	11/7/08	7.9	3/16/09	18.2	5/13/09	16.1
	64	63–65	CO_2	8/20/08	2.7	11/7/08	3.9	3/16/09	2.9	5/13/09	3
			O_2	8/20/08	17.2	11/7/08	8.5	3/16/09	18.3	5/13/09	16.8
	84	83–85	CO_2	8/20/08	1.6	11/7/08	3.7	3/16/09	2.5	5/13/09	2.5
			O_2	8/20/08	18.9	11/7/08	16.8	3/16/09	18.7	5/13/09	17.1
54-24239	Ambient	Ambient	CO_2	8/21/08	0	11/12/08	0	3/17/09	0.2	5/6/09	0
			O_2	8/21/08	21.1	11/12/08	20.9	3/17/09	20.7	5/6/09	21.2
	25	24–26	CO_2	8/21/08	1.2	11/12/08	1.8	3/17/09	1.5	5/6/09	1.2
			O_2	8/21/08	19.6	11/12/08	19.4	3/17/09	19.9	5/6/09	19.5
	50	49–51	CO_2	8/21/08	1.2	11/12/08	1.8	3/17/09	1.6	5/6/09	1.2
			O_2	8/21/08	19.7	11/12/08	19.4	3/17/09	19.7	5/6/09	19.2

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24239	75	74–76	CO_2	8/21/08	1.2	11/12/08	1.7	3/17/09	1.6	5/6/09	1.2
			O_2	8/21/08	19.7	11/12/08	19.4	3/17/09	19.6	5/6/09	18.9
	99.5	98.5–100.5	CO_2	8/21/08	1.1	11/12/08	1.7	3/17/09	1.5	5/6/09	1.2
			O_2	8/21/08	19.7	11/12/08	19.6	3/17/09	19.5	5/6/09	18.7
54-24240	Ambient	Ambient	CO_2	8/22/08	0	11/10/08	0	3/14/09	0.4	5/14/09	0
			O_2	8/22/08	21	11/10/08	21	3/14/09	21	5/14/09	21
	28	27–29	CO_2	8/22/08	2.3	11/10/08	3.1	3/14/09	1.7	5/14/09	1.8
			O_2	8/22/08	17.9	11/10/08	18.2	3/14/09	20.1	5/14/09	18.5
	53	52–54	CO_2	8/22/08	1.8	11/10/08	2.5	3/14/09	1.7	5/14/09	1.8
			O_2	8/22/08	18.7	11/10/08	18.6	3/14/09	19.8	5/14/09	18.3
	78	77–79	CO_2	8/22/08	1.1	11/10/08	1.6	3/14/09	1.4	5/14/09	1.3
			O_2	8/22/08	19.5	11/10/08	19.6	3/14/09	20.1	5/14/09	19.1
	103	102–104	CO_2	8/22/08	0.8	11/10/08	1	3/14/09	0.9	5/14/09	1
			O_2	8/22/08	19.9	11/10/08	20.1	3/14/09	20.4	5/14/09	19.5
	128	127–129	CO_2	8/22/08	0.7	11/10/08	1	3/14/09	0.8	5/14/09	0.8
			O_2	8/22/08	20	11/10/08	20.1	3/14/09	20.6	5/14/09	19.6
	153	152–154	CO_2	8/22/08	0.6	11/10/08	0.9	3/14/09	0.8	5/14/09	0.8
			O_2	8/22/08	20.2	11/10/08	20.2	3/14/09	20.5	5/14/09	19.5
54-24241	Ambient	Ambient	CO_2	8/15/08	0	11/10/08	0	3/16/09	0.2	5/14/09	0
			O_2	8/15/08	21.1	11/10/08	21.1	3/16/09	21	5/14/09	20.6
	73	71–74	CO_2	8/15/08	1.8	11/10/08	2.4	3/16/09	1.8	5/14/09	1.9
			O_2	8/15/08	18.6	11/10/08	18.8	3/16/09	19.3	5/14/09	18
	93	92–94	CO_2	8/15/08	1.6	11/10/08	2.3	3/16/09	1.7	5/14/09	1.6
			O_2	8/15/08	18.9	11/10/08	18.7	3/16/09	19.4	5/14/09	18.4

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24241	113	112–114	CO_2	8/15/08	1.3	11/10/08	2.1	3/16/09	1.5	5/14/09	1.4
			O_2	8/15/08	19.1	11/10/08	19.4	3/16/09	19.8	5/14/09	18.7
	133	132–134	CO_2	8/15/08	1.1	11/10/08	1.7	3/16/09	1.3	5/14/09	1
			O_2	8/15/08	19.3	11/10/08	19.6	3/16/09	19.8	5/14/09	19.2
	153	152–154	CO_2	8/15/08	0.9	11/10/08	1.5	3/16/09	1.2	5/14/09	1
			O_2	8/15/08	19.5	11/10/08	19.6	3/16/09	19.8	5/14/09	19
	173	172–174	CO_2	8/15/08	0.9	11/10/08	1.5	3/16/09	1	5/14/09	0.9
			O_2	8/15/08	19.6	11/10/08	19.8	3/16/09	20.1	5/14/09	19.2
	193	192–194	CO_2	8/15/08	0.9	11/10/08	1.4	3/16/09	1.2	5/14/09	0.9
			O_2	8/15/08	19.6	11/10/08	19.6	3/16/09	20.2	5/14/09	19.3
54-24242	Ambient	Ambient	CO_2	8/21/08	0	11/7/08	0	3/17/09	0.3	5/11/09	0
			O_2	8/21/08	20.9	11/7/08	21.6	3/17/09	20.9	5/11/09	20.9
	25	24–26	CO_2	8/21/08	1.3	11/7/08	1.9	3/17/09	1	5/11/09	1
			O_2	8/21/08	19.2	11/7/08	19.7	3/17/09	20	5/11/09	19.6
	50	49–51	CO_2	8/21/08	1.3	11/7/08	1.8	3/17/09	1	5/11/09	1
			O_2	8/21/08	19.4	11/7/08	19.7	3/17/09	20.1	5/11/09	19.2
	75	74–76	CO_2	8/21/08	1.3	11/7/08	1.8	3/17/09	0.3	5/11/09	1.1
			O_2	8/21/08	19.3	11/7/08	19.4	3/17/09	20.7	5/11/09	19.3
	100	99–101	CO_2	8/21/08	1.3	11/7/08	1.5	3/17/09	1.3	5/11/09	1
			O_2	8/21/08	19.4	11/7/08	19.5	3/17/09	19.9	5/11/09	19.3
	110.5	109.5–111.5	CO_2	8/21/08	1.3	11/7/08	1.7	3/17/09	1.5	5/11/09	0.9
			O_2	8/21/08	19.6	11/7/08	19.6	3/17/09	19.7	5/11/09	19.2
54-24243	Ambient	Ambient	CO_2	8/6/08	0	11/14/08	0	3/19/09	0.2	5/15/09	0
			O_2	8/6/08	21	11/14/08	21.4	3/19/09	21.1	5/15/09	21.3

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24243	25	24–26	CO_2	8/6/08	1.5	11/14/08	2.3	3/19/09	1.6	5/15/09	1.2
			O_2	8/6/08	19.3	11/14/08	19.2	3/19/09	19.7	5/15/09	19.2
	50	49–51	CO_2	8/6/08	1.8	11/14/08	2.6	3/19/09	2.3	5/15/09	1.7
			O_2	8/6/08	18.7	11/14/08	18.1	3/19/09	18.7	5/15/09	18.6
	75	74–76	CO_2	8/6/08	1.7	11/14/08	2.5	3/19/09	2.3	5/15/09	1.7
			O_2	8/6/08	18.3	11/14/08	18.3	3/19/09	18.7	5/15/09	18.3
	100	99–101	CO_2	8/6/08	1.5	11/14/08	2	3/19/09	2	5/15/09	1.4
			O_2	8/6/08	18.9	11/14/08	18.7	3/19/09	19.1	5/15/09	18.6
	125	124–126	CO_2	8/6/08	1.2	11/14/08	1.8	3/19/09	1.9	5/15/09	1.2
			O_2	8/6/08	19.2	11/14/08	19.1	3/19/09	19.1	5/15/09	18.9
54-24399	Ambient	Ambient	CO_2	9/2/08	0	12/2/08	0	3/22/09	0.1	5/11/09	0
			O_2	9/2/08	21.2	12/2/08	21.2	3/22/09	21.1	5/11/09	21.1
	550	550–608	CO_2	9/2/08	0	12/2/08	0	3/22/09	0.2	5/11/09	0
			O_2	9/2/08	20.9	12/2/08	20.7	3/22/09	20.7	5/11/09	20.5
54-27641	Ambient	Ambient	CO_2	8/22/08	0	11/10/08	0	3/13/09	0.4	5/13/09	0
			O_2	8/22/08	21.1	11/10/08	20.9	3/13/09	21.1	5/13/09	20.6
	32	29.5–34.5	CO_2	8/22/08	1.3	11/10/08	2.1	3/13/09	0.1	5/13/09	1
			O_2	8/22/08	19.5	11/10/08	19.6	3/13/09	20.6	5/13/09	19.6
	82	79.5–84.5	CO_2	8/22/08	0.8	11/10/08	1.4	3/13/09	0.8	5/13/09	0.8
			O_2	8/22/08	20.1	11/10/08	19.9	3/13/09	20.7	5/13/09	19.4
	115	112.5–117.5	CO_2	8/22/08	0.8	11/10/08	1.2	3/13/09	0.8	5/13/09	0.7
			O_2	8/22/08	20	11/10/08	20.2	3/13/09	20.6	5/13/09	19.5
	182	179.5–184.5	CO_2	8/22/08	0.6	11/10/08	0.9	3/13/09	0.8	5/13/09	0.5
			O_2	8/22/08	20.2	11/10/08	20.2	3/13/09	20.6	5/13/09	19.6

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-27641	232	229.5–234.5	CO_2	8/22/08	0.5	11/10/08	0.8	3/13/09	0.7	5/13/09	0.4
			O_2	8/22/08	20.2	11/10/08	20.5	3/13/09	20.7	5/13/09	19.7
	271	268.5–273.5	CO_2	8/22/08	0.3	11/10/08	0.6	3/13/09	0.6	5/13/09	0.2
			O_2	8/22/08	20.4	11/10/08	20.6	3/13/09	20.7	5/13/09	19.7
	332.5	330–335	CO_2	8/22/08	0.1	11/10/08	0.3	3/13/09	0.5	5/13/09	0
			O_2	8/22/08	20.5	11/10/08	20.8	3/13/09	21.1	5/13/09	20.2
54-27642	Ambient	Ambient	CO_2	8/20/08	0	11/6/08	0	3/15/09	0.4	5/7/09	0
			O_2	8/20/08	21.1	11/6/08	21.3	3/15/09	21.1	5/7/09	21.3
	30	27.5–32.5	CO_2	8/20/08	2.1	11/6/08	3.2	3/15/09	2.4	5/7/09	2.2
			O_2	8/20/08	18.6	11/6/08	17.7	3/15/09	19.3	5/7/09	18.5
	75	71.5–76.5	CO_2	8/20/08	1.8	11/6/08	2.4	3/15/09	2.3	5/7/09	1.8
			O_2	8/20/08	19	11/6/08	18.5	3/15/09	19.3	5/7/09	18.9
	116	114.5–119.5	CO_2	8/20/08	2.4	11/6/08	3.2	3/15/09	2.7	5/7/09	2.3
			O_2	8/20/08	18.1	11/6/08	17.5	3/15/09	18.8	5/7/09	18.2
	175	172.5–177.5	CO_2	8/20/08	0.9	11/6/08	1.7	3/15/09	1.5	5/7/09	1.1
			O_2	8/20/08	19.6	11/6/08	19.4	3/15/09	19.9	5/7/09	19.6
	235	232.5–237.5	CO_2	8/20/08	0.7	11/6/08	1.2	3/15/09	1	5/7/09	0.8
			O_2	8/20/08	19.8	11/6/08	19.8	3/15/09	19.9	5/7/09	19.7
	275	272.5–277.5	CO_2	8/20/08	0.5	11/6/08	0.9	3/15/09	0.9	5/7/09	0.7
			O_2	8/20/08	20	11/6/08	20	3/15/09	20.1	5/7/09	20.9
	338	335.5–340.5	CO_2	8/20/08	0.1	11/6/08	0.5	3/15/09	0.7	5/7/09	0.5
			O_2	8/20/08	20.5	11/6/08	20.6	3/15/09	20.3	5/7/09	20.3
54-27643	Ambient	Ambient	CO_2	8/12/08	0	11/21/08	0	3/17/09	0.1	5/15/09	0
			O_2	8/12/08	21.2	11/21/08	21.2	3/17/09	21.3	5/15/09	21.1

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-27643	30	27.5–32.5	CO_2	8/12/08	0.8	11/21/08	1.3	3/17/09	0.9	5/15/09	0.8
			O_2	8/12/08	20.2	11/21/08	20	3/17/09	20.7	5/15/09	19.7
	74	71.5–76.5	CO_2	8/12/08	0.8	11/21/08	1.3	3/17/09	1	5/15/09	0.9
			O_2	8/12/08	19.9	11/21/08	19.7	3/17/09	20.6	5/15/09	19.6
	117	114.5–119.5	CO_2	8/12/08	0.7	11/21/08	1.3	3/17/09	1	5/15/09	0.8
			O_2	8/12/08	20	11/21/08	19.7	3/17/09	20.6	5/15/09	19.6
	167	164.5–169.5	CO_2	8/12/08	0.6	11/21/08	0.9	3/17/09	0.9	5/15/09	0.6
			O_2	8/12/08	20.4	11/21/08	20	3/17/09	20.8	5/15/09	19.7
	235	232.5–237.5	CO_2	8/12/08	0.5	11/21/08	0.7	3/17/09	0.8	5/15/09	0.4
			O_2	8/12/08	20.3	11/21/08	19.9	3/17/09	20.8	5/15/09	19.7
	275	272.5–277.5	CO_2	8/12/08	0.3	11/21/08	0.6	3/17/09	0.7	5/15/09	0.3
			O_2	8/12/08	20.3	11/21/08	20.4	3/17/09	20.9	5/15/09	19.9
	354	351.5–356.5	CO_2	8/12/08	0.1	11/21/08	0.3	3/17/09	0.5	5/15/09	0.1
			O_2	8/12/08	20.5	11/21/08	20.3	3/17/09	21.1	5/15/09	20.2

[a] NS = Not sampled.

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

[c] 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	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015	Ambient	Ambient	CO_2 (µg/m^3)	NS[a]	NS	11/25/08	562,000	3/26/09	911,000	5/27/09	803,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	-103	3/26/09	-171	5/27/09	533
			H_2O (µg/m^3)	NS	NS	11/25/08	2,650,000	3/26/09	36,000	5/27/09	56.6[b]
			PCE (µg/m^3)	NS	NS	11/25/08	640	3/26/09	572	5/27/09	2200
			Pressure Differential (kPa)	NS	NS	11/25/08	0	3/26/09	0	5/27/09	0
			TCA (µg/m^3)	NS	NS	11/25/08	-1610	3/26/09	-3400	5/27/09	-4700
			TCE (µg/m^3)	NS	NS	11/25/08	1630	3/26/09	496	5/27/09	-925
	37.6	36–46	CO_2 (µg/m^3)	NS	NS	11/25/08	3,810,000	3/26/09	3,900,000	5/27/09	1,420,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	252	3/26/09	-515	5/27/09	360
			H_2O (µg/m^3)	NS	NS	11/25/08	5,610,000	3/26/09	-9200	5/27/09	11[b]
			PCE (µg/m^3)	NS	NS	11/25/08	3840	3/26/09	46	5/27/09	-1200
			Pressure Differential (kPa)	NS	NS	11/25/08	-0.22	3/26/09	0	5/27/09	-0.06
			TCA (µg/m^3)	NS	NS	11/25/08	-1770	3/26/09	1380	5/27/09	-819
			TCE (µg/m^3)	NS	NS	11/25/08	6000	3/26/09	1070	5/27/09	-2600
	165.4	182–192	CO_2 (µg/m^3)	NS	NS	11/25/08	2,880,000	3/26/09	3,410,000	5/27/09	2,070,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	458	3/26/09	-65	5/27/09	44
			H_2O (µg/m^3)	NS	NS	11/25/08	5,390,000	3/26/09	-16000	5/27/09	3.23[b]
			PCE (µg/m^3)	NS	NS	11/25/08	5850	3/26/09	391	5/27/09	-1400
			Pressure Differential (kPa)	NS	NS	11/25/08	-0.01	3/26/09	0.75	5/27/09	-0.1
			TCA (µg/m^3)	NS	NS	11/25/08	-707	3/26/09	3070	5/27/09	1240
			TCE (µg/m^3)	NS	NS	11/25/08	6540	3/26/09	957	5/27/09	-1800

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015	308.3	340–352	CO_2 (µg/m^3)	NS	NS	11/25/08	2,680,000	3/26/09	3,100,000	5/27/09	1,580,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	-223	3/26/09	-1100	5/27/09	-462
			H_2O (µg/m^3)	NS	NS	11/25/08	7,190,000	3/26/09	-18,000	5/27/09	0.234[b]
			PCE (µg/m^3)	NS	NS	11/25/08	5790	3/26/09	143	5/27/09	-1500
			Pressure Differential (kPa)	NS	NS	11/25/08	0.02	3/26/09	0	5/27/09	0
			TCA (µg/m^3)	NS	NS	11/25/08	-7440	3/26/09	8210	5/27/09	2870
			TCE (µg/m^3)	NS	NS	11/25/08	9590	3/26/09	3870	5/27/09	4
	333.3	375–385	CO_2 (µg/m^3)	NS	NS	11/25/08	2,070,000	3/26/09	2,280,000	5/27/09	1,300,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	-275	3/26/09	-81	5/27/09	107
			H_2O (µg/m^3)	NS	NS	11/25/08	6,650,000	3/26/09	-24000	5/27/09	-3.8[b]
			PCE (µg/m^3)	NS	NS	11/25/08	1740	3/26/09	1370	5/27/09	-951
			Pressure Differential (kPa)	NS	NS	11/25/08	0.1	3/26/09	0.19	5/27/09	-0.05
			TCA (µg/m^3)	NS	NS	11/25/08	-7440	3/26/09	9950	5/27/09	2810
			TCE (µg/m^3)	NS	NS	11/25/08	3100	3/26/09	1770	5/27/09	-2000
	377.7	425–435	CO_2 (µg/m^3)	NS	NS	11/25/08	2,140,000	3/26/09	1,730,000	5/27/09	1,800,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	-258	3/26/09	-992	5/27/09	238
			H_2O (µg/m^3)	NS	NS	11/25/08	6,700,000	3/26/09	-24,000	5/27/09	1.81[b]
			PCE (µg/m^3)	NS	NS	11/25/08	1910	3/26/09	-624	5/27/09	-1400
			Pressure Differential (kPa)	NS	NS	11/25/08	0.1	3/26/09	0.32	5/27/09	-0.05
			TCA (µg/m^3)	NS	NS	11/25/08	-6380	3/26/09	15,700	5/27/09	-103
			TCE (µg/m^3)	NS	NS	11/25/08	2970	3/26/09	2810	5/27/09	-2500
	426.5	480–490	CO_2 (µg/m^3)	NS	NS	11/25/08	1,980,000	3/26/09	1,310,000	5/27/09	1,840,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	-286	3/26/09	-622	5/27/09	-64

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015	426.5	480–490	H_2O (µg/m^3)	NS	NS	11/25/08	6,990,000	3/26/09	-29000	5/27/09	-2.5[b]
			PCE (µg/m^3)	NS	NS	11/25/08	897	3/26/09	2110	5/27/09	-1200
			Pressure Differential (kPa)	NS	NS	11/25/08	0.1	3/26/09	0.15	5/27/09	-0.04
			TCA (µg/m^3)	NS	NS	11/25/08	-5320	3/26/09	16,600	5/27/09	2340
			TCE (µg/m^3)	NS	NS	11/25/08	3570	3/26/09	1150	5/27/09	-1800
	462.1	520–530	CO_2 (µg/m^3)	NS	NS	11/25/08	2,030,000	3/26/09	1,220,000	5/27/09	1,040,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	-3030	3/26/09	209	5/27/09	316
			H_2O (µg/m^3)	NS	NS	11/25/08	7,020,000	3/26/09	-26,000	5/27/09	-6.3[b]
			PCE (µg/m^3)	NS	NS	11/25/08	1810	3/26/09	844	5/27/09	-1200
			Pressure Differential (kPa)	NS	NS	11/25/08	1.01	3/26/09	0	5/27/09	0
			TCA (µg/m^3)	NS	NS	11/25/08	-6380	3/26/09	16,500	5/27/09	5580
			TCE (µg/m^3)	NS	NS	11/25/08	3210	3/26/09	-2000	5/27/09	-2600
54-01016	Ambient	Ambient	CO_2 (µg/m^3)	NS	NS	11/25/08	558,000	3/26/09	740,000	5/27/09	1,170,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	-8650	3/26/09	-1700	5/27/09	1050
			H_2O (µg/m^3)	NS	NS	11/25/08	3,290,000	3/26/09	3,230,000	5/27/09	-11[b]
			PCE (µg/m^3)	NS	NS	11/25/08	9460	3/26/09	4440	5/27/09	-721
			Pressure Differential (kPa)	NS	NS	11/25/08	0	3/26/09	0	5/27/09	0
			TCA (µg/m^3)	NS	NS	11/25/08	-5850	3/26/09	-2000	5/27/09	7200
			TCE (µg/m^3)	NS	NS	11/25/08	-1540	3/26/09	4890	5/27/09	-5100
	30.8	30–40	CO_2 (µg/m^3)	NS	NS	11/25/08	5,670,000	3/26/09	2,330,000	5/27/09	2,620,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	1600	3/26/09	-4000	5/27/09	1580
			H_2O (µg/m^3)	NS	NS	11/25/08	7,440,000	3/26/09	4,870,000	5/27/09	17.8[b]
			PCE (µg/m^3)	NS	NS	11/25/08	12,500	3/26/09	227	5/27/09	-2800

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01016	30.8	30–40	Pressure Differential (kPa)	NS	NS	11/25/08	0.09	3/26/09	0.4	5/27/09	0.02
			TCA (µg/m^3)	NS	NS	11/25/08	17,200	3/26/09	281	5/27/09	-8600
			TCE (µg/m^3)	NS	NS	11/25/08	15,200	3/26/09	10,700	5/27/09	-4300
	162.2	178–190	CO_2 (µg/m^3)	NS	NS	11/25/08	6,340,000	3/26/09	4,190,000	5/27/09	2,990,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	12,400	3/26/09	-433	5/27/09	-191
			H_2O (µg/m^3)	NS	NS	11/25/08	9,880,000	3/26/09	-1100	5/27/09	33.7[b]
			PCE (µg/m^3)	NS	NS	11/25/08	87,600	3/26/09	-661	5/27/09	-806,000
			Pressure Differential (kPa)	NS	NS	11/25/08	0	3/26/09	0.27	5/27/09	0
			TCA (µg/m^3)	NS	NS	11/25/08	112,000	3/26/09	537	5/27/09	-8900
			TCE (µg/m^3)	NS	NS	11/25/08	45,300	3/26/09	13	5/27/09	-1800
	274.7	318–324	CO_2 (µg/m^3)	NS	NS	11/25/08	3,100,000	3/26/09	3,620,000	5/27/09	2,570,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	1270	3/26/09	156	5/27/09	719
			H_2O (µg/m^3)	NS	NS	11/25/08	10,700,000	3/26/09	-2300	5/27/09	36.3[b]
			PCE (µg/m^3)	NS	NS	11/25/08	12,300	3/26/09	-1300	5/27/09	1850
			Pressure Differential (kPa)	NS	NS	11/25/08	0.02	3/26/09	0	5/27/09	-0.02
			TCA (µg/m^3)	NS	NS	11/25/08	4,710,000	3/26/09	-1200	5/27/09	-13,000
			TCE (µg/m^3)	NS	NS	11/25/08	6380	3/26/09	-127	5/27/09	-4800
	336.3	386–396	CO_2 (µg/m^3)	NS	NS	11/25/08	1,940,000	3/26/09	3,040,000	5/27/09	1,170,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	316	3/26/09	-1500	5/27/09	2450
			H_2O (µg/m^3)	NS	NS	11/25/08	10,400,000	3/26/09	-3500	5/27/09	26[b]
			PCE (µg/m^3)	NS	NS	11/25/08	3650	3/26/09	-535	5/27/09	2560
			Pressure Differential (kPa)	NS	NS	11/25/08	0.01	3/26/09	0	5/27/09	-0.03

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01016	336.3	386–396	TCA (µg/m^3)	NS	NS	11/25/08	-4990	3/26/09	-748,000	5/27/09	-4500
			TCE (µg/m^3)	NS	NS	11/25/08	-1000	3/26/09	3600	5/27/09	-8000
	414.3	473–483	CO_2 (µg/m^3)	NS	NS	11/25/08	580,000	3/26/09	2400[c]	NS	NS
			Freon-11 (µg/m^3)	NS	NS	11/25/08	-613	3/26/09	-561[c]	NS	NS
			H_2O (µg/m^3)	NS	NS	11/25/08	4,700,000	3/26/09	893,000[c]	NS	NS
			PCE (µg/m^3)	NS	NS	11/25/08	-598	3/26/09	431[c]	NS	NS
			Pressure Differential (kPa)	NS	NS	11/25/08	0	3/26/09	0[c]	5/27/09	0[d]
			TCA (µg/m^3)	NS	NS	11/25/08	2820	3/26/09	-5800[c]	NS	NS
			TCE (µg/m^3)	NS	NS	11/25/08	1840	3/26/09	-4800[c]	NS	NS
	459.5	530–540	CO_2 (µg/m^3)	NS	NS	11/25/08	589,000	3/26/09	1,900,000[c]	NS	NS
			Freon-11 (µg/m^3)	NS	NS	11/25/08	-338	3/26/09	-1800[c]	NS	NS
			H_2O (µg/m^3)	NS	NS	11/25/08	3,980,000	3/26/09	3970[c]	NS	NS
			PCE (µg/m^3)	NS	NS	11/25/08	6950	3/26/09	-336,000[c]	NS	NS
			Pressure Differential (kPa)	NS	NS	11/25/08	0	3/26/09	0[c]	5/27/09	-0.02[d]
			TCA (µg/m^3)	NS	NS	11/25/08	702	3/26/09	1740[c]	NS	NS
			TCE (µg/m^3)	NS	NS	11/25/08	1440	3/26/09	4860[c]	NS	NS
	517.6	592–602	CO_2 (µg/m^3)	NS	NS	11/25/08	684,000	3/26/09	1,540,000[c]	5/27/09	2,000,000
			Freon-11 (µg/m^3)	NS	NS	11/25/08	-401	3/26/09	-1100[c]	5/27/09	-727
			H_2O (µg/m^3)	NS	NS	11/25/08	5,750,000	3/26/09	6,790,000[c]	5/27/09	11.1[b]
			PCE (µg/m^3)	NS	NS	11/25/08	5440	3/26/09	3480[c]	5/27/09	-6200
			Pressure Differential (kPa)	NS	NS	11/25/08	0	3/26/09	0[c]	5/27/09	-0.01
			TCA (µg/m^3)	NS	NS	11/25/08	-5,160,000	3/26/09	-3200[c]	5/27/09	5550
			TCE (µg/m^3)	NS	NS	11/25/08	2300	3/26/09	5960[c]	5/27/09	349

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001	Ambient	Ambient	CO_2 (µg/m^3)	8/27/08	603,000	11/14/08	587,000	3/10/09	882,000	5/5/09	765,000
			Freon-11 (µg/m^3)	8/27/08	113	11/14/08	269	3/10/09	87	5/5/09	-348
			H_2O (µg/m^3)	8/27/08	12,200,000	11/14/08	4,400,000	3/10/09	3,300,000	5/5/09	38[b]
			PCE (µg/m^3)	8/27/08	1240	11/14/08	3980	3/10/09	4680	5/5/09	-2000
			Pressure Differential (kPa)	8/27/08	0	11/14/08	0	3/10/09	0	5/5/09	0
			TCA (µg/m^3)	8/27/08	-2210	11/14/08	2130	3/10/09	3280	5/5/09	-3000
			TCE (µg/m^3)	8/27/08	-943	11/14/08	3070	3/10/09	5390	5/5/09	-1000
	20	17.5–22.5	CO_2 (µg/m^3)	8/27/08	16,700,000	11/14/08	15,800,000	3/10/09	19,300,000	5/5/09	13,700,000
			Freon-11 (µg/m^3)	8/27/08	10,200	11/14/08	10,900	3/10/09	10,900	5/5/09	379
			H_2O (µg/m^3)	8/27/08	14,200,000	11/14/08	10,100,000	3/10/09	8,880,000	5/5/09	57.8[b]
			PCE (µg/m^3)	8/27/08	196,000	11/14/08	222,000	3/10/09	175,000	5/5/09	156,000
			Pressure Differential (kPa)	8/27/08	-0.02	11/14/08	-0.04	3/10/09	-0.1	5/5/09	0.02
			TCA (µg/m^3)	8/27/08	968,000	11/14/08	840,000	3/10/09	1340	5/5/09	1,040,000
			TCE (µg/m^3)	8/27/08	491,000	11/14/08	464,000	3/10/09	461,000	5/5/09	520,000
	40	37.5–42.5	CO_2 (µg/m^3)	8/27/08	13,700,000	11/14/08	14,400,000	3/10/09	1,680,000	5/5/09	15,700,000
			Freon-11 (µg/m^3)	8/27/08	15,300	11/14/08	16,300	3/10/09	675	5/5/09	9630
			H_2O (µg/m^3)	8/27/08	13,600,000	11/14/08	10,800,000	3/10/09	9,760,000	5/5/09	59.2[b]
			PCE (µg/m^3)	8/27/08	304,000	11/14/08	316,000	3/10/09	29,600	5/5/09	269,000
			Pressure Differential (kPa)	8/27/08	-0.01	11/14/08	-0.06	3/10/09	-0.04	5/5/09	0
			TCA (µg/m^3)	8/27/08	1,360,000	11/14/08	1,220,000	3/10/09	78,700	5/5/09	1,520,000
			TCE (µg/m^3)	8/27/08	393,000	11/14/08	403,000	3/10/09	30,100	5/5/09	522,000
	60	57.5–62.5	CO_2 (µg/m^3)	8/27/08	3,640,000	11/14/08	3,260,000	NS	NS	5/5/09	37,800,000
			Freon-11 (µg/m^3)	8/27/08	3800	11/14/08	2550	NS	NS	5/5/09	2360

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001	60	57.5–62.5	H_2O (µg/m^3)	8/27/08	15,400,000	11/14/08	8,250,000	NS	NS	5/5/09	63.2[b]
			PCE (µg/m^3)	8/27/08	75,800	11/14/08	80,700	NS	NS	5/5/09	66,900
			Pressure Differential (kPa)	8/27/08	-0.01	11/14/08	0.02	3/10/09	-0.06[d]	5/5/09	0
			TCA (µg/m^3)	8/27/08	334,000	11/14/08	279,000	NS	NS	5/5/09	285,000
			TCE (µg/m^3)	8/27/08	82,000	11/14/08	86,300	NS	NS	5/5/09	95,500
	80	77.5–82.5	CO_2 (µg/m^3)	8/27/08	10,700,000	11/14/08	12,300,000	3/10/09	18,000,000	5/5/09	13,400,000
			Freon-11 (µg/m^3)	8/27/08	11,300	11/14/08	15,100	3/10/09	10,300	5/5/09	9610
			H_2O (µg/m^3)	8/27/08	12,400,000	11/14/08	10,200,000	3/10/09	11,400,000	5/5/09	60.8[b]
			PCE (µg/m^3)	8/27/08	227,000	11/14/08	280,000	3/10/09	231,000	5/5/09	177,000
			Pressure Differential (kPa)	8/27/08	-0.01	11/14/08	-0.12	3/10/09	-0.19	5/5/09	0.02
			TCA (µg/m^3)	8/27/08	1,210,000	11/14/08	1,300,000	3/10/09	1,460,000	5/5/09	1020
			TCE (µg/m^3)	8/27/08	236,000	11/14/08	251,000	3/10/09	249,000	5/5/09	259,000
	100	97.5–102.5	CO_2 (µg/m^3)	8/27/08	7,540,000	11/14/08	4,720,000	3/10/09	14,800,000	5/5/09	8,570,000
			Freon-11 (µg/m^3)	8/27/08	7500	11/14/08	4800	3/10/09	7980	5/5/09	6410
			H_2O (µg/m^3)	8/27/08	10,700,000	11/14/08	8,550,000	3/10/09	9,340,000	5/5/09	55.7[b]
			PCE (µg/m^3)	8/27/08	139,000	11/14/08	107,000	3/10/09	159,000	5/5/09	117,000
			Pressure Differential (kPa)	8/27/08	-0.02	11/14/08	-0.19	3/10/09	-0.15	5/5/09	0
			TCA (µg/m^3)	8/27/08	856,000	11/14/08	513,000	3/10/09	1,200,000	5/5/09	699,000
			TCE (µg/m^3)	8/27/08	156,000	11/14/08	104,000	3/10/09	187,000	5/5/09	176,000
	120	117.5–122.5	CO_2 (µg/m^3)	8/27/08	9,760,000	11/14/08	6,890,000	3/10/09	13,500,000	5/5/09	12,400,000
			Freon-11 (µg/m^3)	8/27/08	9730	11/14/08	7210	3/10/09	6420	5/5/09	98,500
			H_2O (µg/m^3)	8/27/08	11,100,000	11/14/08	9,950,000	3/10/09	9,970,000	5/5/09	58.8[b]
			PCE (µg/m^3)	8/27/08	120,000	11/14/08	100,000	3/10/09	116,000	5/5/09	116,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001	120	117.5–122.5	Pressure Differential (kPa)	8/27/08	-0.01	11/14/08	-0.26	3/10/09	-0.2	5/5/09	0.02
			TCA (µg/m^3)	8/27/08	1,170,000	11/14/08	803,000	3/10/09	1,110,000	5/5/09	1,060,000
			TCE (µg/m^3)	8/27/08	196,000	11/14/08	140,000	3/10/09	167,000	5/5/09	234,000
	140	137.5–142.5	CO_2 (µg/m^3)	8/27/08	11,100,000	11/14/08	10,500,000	3/10/09	15,300,000	5/5/09	13,400,000
			Freon-11 (µg/m^3)	8/27/08	11,300	11/14/08	11,300	3/10/09	7720	5/5/09	11,700
			H_2O (µg/m^3)	8/27/08	14,400,000	11/14/08	10,900,000	3/10/09	11,100,000	5/5/09	61.2[b]
			PCE (µg/m^3)	8/27/08	147,000	11/14/08	154,000	3/10/09	125,000	5/5/09	135,000
			Pressure Differential (kPa)	8/27/08	-0.01	11/14/08	-0.26	3/10/09	-0.2	5/5/09	0.02
			TCA (µg/m^3)	8/27/08	1,350,000	11/14/08	1,220,000	3/10/09	1,340,000	5/5/09	1,140,000
			TCE (µg/m^3)	8/27/08	225,000	11/14/08	207,000	3/10/09	194,000	5/5/09	249,000
	160	157.5–162.5	CO_2 (µg/m^3)	8/27/08	3,800,000	11/14/08	1,870,000	3/10/09	11,100,000[c]	NS	NS
			Freon-11 (µg/m^3)	8/27/08	3670	11/14/08	1630	3/10/09	6040[c]	NS	NS
			H_2O (µg/m^3)	8/27/08	14,400,000	11/14/08	8,250,000	3/10/09	9,970,000[c]	NS	NS
			PCE (µg/m^3)	8/27/08	40,000	11/14/08	21,900	3/10/09	64,700[c]	NS	NS
			Pressure Differential (kPa)	8/27/08	-0.04	11/14/08	-0.18	3/10/09	-0.02[c]	5/5/09	0.02[d]
			TCA (µg/m^3)	8/27/08	393,000	11/14/08	171,000	3/10/09	953,000[c]	NS	NS
			TCE (µg/m^3)	8/27/08	75,000	11/14/08	38,800	3/10/09	143,000[c]	NS	NS
	180	177.5–182.5	CO_2 (µg/m^3)	8/27/08	1,650,000	11/14/08	2,320,000	3/10/09	2,340,000[c]	NS	NS
			Freon-11 (µg/m^3)	8/27/08	1360	11/14/08	2320	3/10/09	353[c]	NS	NS
			H_2O (µg/m^3)	8/27/08	12,500,000	11/14/08	7,810,000	3/10/09	7,510,000[c]	NS	NS
			PCE (µg/m^3)	8/27/08	21,300	11/14/08	38,700	3/10/09	18,000[c]	NS	NS
			Pressure Differential (kPa)	8/27/08	-0.01	11/14/08	0.03	3/10/09	0[c]	5/5/09	0.02[d]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001	180	177.5–182.5	TCA (µg/m^3)	8/27/08	94,100	11/14/08	164,000	3/10/09	116,000[c]	NS	NS
			TCE (µg/m^3)	8/27/08	38,700	11/14/08	63,800	3/10/09	40,600[c]	NS	NS
	200	197.5–202.5	CO_2 (µg/m^3)	8/27/08	8,690,000	11/14/08	8,820,000	3/10/09	13,200,000	5/5/09	11,900,000
			Freon-11 (µg/m^3)	8/27/08	9450	11/14/08	10,600	3/10/09	6930	5/5/09	12,700
			H_2O (µg/m^3)	8/27/08	14,800,000	11/14/08	11,400,000	3/10/09	10,900,000	5/5/09	61.2[b]
			PCE (µg/m^3)	8/27/08	66,700	11/14/08	78,600	3/10/09	63,800	5/5/09	76,200
			Pressure Differential (kPa)	8/27/08	-0.04	11/14/08	-0.18	3/10/09	0	5/5/09	0.05
			TCA (µg/m^3)	8/27/08	665,000	11/14/08	675,000	3/10/09	826,000	5/5/09	749,000
			TCE (µg/m^3)	8/27/08	138,000	11/14/08	139,000	3/10/09	146,000	5/5/09	185,000
54-02002	Ambient	Ambient	CO_2 (µg/m^3)	8/7/08	571,000	11/17/08	616,000	3/19/09	1,110,000	5/19/09	892,000
			Freon-11 (µg/m^3)	8/7/08	-252	11/17/08	693	3/19/09	1200	5/19/09	489
			H_2O (µg/m^3)	8/7/08	12,700,000	11/17/08	3,830,000	3/19/09	8,240,000	5/19/09	44.5[b]
			PCE (µg/m^3)	8/7/08	5720	11/17/08	7440	3/19/09	7010	5/19/09	228
			Pressure Differential (kPa)	8/7/08	0	11/17/08	0	3/19/09	0	5/19/09	0
			TCA (µg/m^3)	8/7/08	-2130	11/17/08	2780	3/19/09	-9800	5/19/09	-760
			TCE (µg/m^3)	8/7/08	-263	11/17/08	12,200	3/19/09	4300	5/19/09	-2400
	20	17.5–22.5	CO_2 (µg/m^3)	8/7/08	1,580,000	11/17/08	5,170,000	3/19/09	7540	5/19/09	8,120,000
			Freon-11 (µg/m^3)	8/7/08	1490	11/17/08	11,100	3/19/09	1420	5/19/09	25,500
			H_2O (µg/m^3)	8/7/08	12,800,000	11/17/08	8,110,000	3/19/09	10,200,000	5/19/09	56.8[b]
			PCE (µg/m^3)	8/7/08	10,500	11/17/08	118,000	3/19/09	144,000	5/19/09	159,000
			Pressure Differential (kPa)	8/7/08	0	11/17/08	0.07	3/19/09	0	5/19/09	0.02
			TCA (µg/m^3)	8/7/08	36,200	11/17/08	247,000	3/19/09	268,000	5/19/09	280,000
			TCE (µg/m^3)	8/7/08	3940	11/17/08	36,800	3/19/09	16,700	5/19/09	43,100

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002	40	37.5–42.5	CO_2 (µg/m^3)	8/7/08	15,200,000	11/17/08	15,300,000	3/19/09	23,200,000	5/19/09	19,500,000
			Freon-11 (µg/m^3)	8/7/08	60,700	11/17/08	61,800	3/19/09	50,200	5/19/09	79,300
			H_2O (µg/m^3)	8/7/08	12,000,000	11/17/08	10,900,000	3/19/09	11,300,000	5/19/09	61[b]
			PCE (µg/m^3)	8/7/08	374,000	11/17/08	422,000	3/19/09	359,000	5/19/09	355,000
			Pressure Differential (kPa)	8/7/08	-0.05	11/17/08	-0.26	3/19/09	0	5/19/09	0.08
			TCA (µg/m^3)	8/7/08	1,190,000	11/17/08	1,190,000	3/19/09	1,250,000	5/19/09	1,190,000
			TCE (µg/m^3)	8/7/08	199,000	11/17/08	215,000	3/19/09	189,000	5/19/09	270,000
	60	57.5–62.5	CO_2 (µg/m^3)	8/7/08	20,500,000	11/17/08	20,300,000	3/19/09	29,400,000	5/19/09	25,700,000
			Freon-11 (µg/m^3)	8/7/08	51,500	11/17/08	72,700	3/19/09	74,300	5/19/09	124,000
			H_2O (µg/m^3)	8/7/08	13,300,000	11/17/08	11,200,000	3/19/09	11,200,000	5/19/09	61.2[b]
			PCE (µg/m^3)	8/7/08	432,000	11/17/08	657,000	3/19/09	713,000	5/19/09	727,000
			Pressure Differential (kPa)	8/7/08	0	11/17/08	0	3/19/09	0.05	5/19/09	0.06
			TCA (µg/m^3)	8/7/08	1,430,000	11/17/08	1,330,000	3/19/09	1,470,000	5/19/09	1,380,000
			TCE (µg/m^3)	8/7/08	212,000	11/17/08	170,000	3/19/09	102,000	5/19/09	226,000
	80	77.5–82.5	CO_2 (µg/m^3)	8/7/08	6,340,000	11/17/08	4,050,000	NS	NS	NS	NS
			Freon-11 (µg/m^3)	8/7/08	14,600	11/17/08	11,200	NS	NS	NS	NS
			H_2O (µg/m^3)	8/7/08	12,800,000	11/17/08	8,330,000	NS	NS	NS	NS
			PCE (µg/m^3)	8/7/08	124,000	11/17/08	104,000	NS	NS	NS	NS
			Pressure Differential (kPa)	8/7/08	0	11/17/08	0	3/19/09	0.02[d]	5/19/09	0.02[d]
			TCA (µg/m^3)	8/7/08	408,000	11/17/08	287,000	NS	NS	NS	NS
			TCE (µg/m^3)	8/7/08	72,300	11/17/08	56,300	NS	NS	NS	NS
	100	97.5–102.5	CO_2 (µg/m^3)	8/7/08	19,300,000	11/17/08	1,910,000	3/19/09	28,100,000	5/19/09	23,300,000
			Freon-11 (µg/m^3)	8/7/08	59,600	11/17/08	60,700	3/19/09	58,200	5/19/09	93,300

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002	100	97.5–102.5	H_2O (µg/m^3)	8/7/08	11,500,000	11/17/08	11,300,000	3/19/09	11,200,000	5/19/09	61[b]
			PCE (µg/m^3)	8/7/08	470,000	11/17/08	526,000	3/19/09	523,000	5/19/09	520,000
			Pressure Differential (kPa)	8/7/08	-0.03	11/17/08	-0.13	3/19/09	0	5/19/09	0
			TCA (µg/m^3)	8/7/08	1,490,000	11/17/08	1,440,000	3/19/09	1,520,000	5/19/09	1,370,000
			TCE (µg/m^3)	8/7/08	259,000	11/17/08	249,000	3/19/09	188,000	5/19/09	282,000
	120	117.5–122.5	CO_2 (µg/m^3)	8/7/08	17,200,000	11/17/08	16,300,000	3/19/09	19,100,000	NS	NS
			Freon-11 (µg/m^3)	8/7/08	56,300	11/17/08	53,700	3/19/09	36,100	NS	NS
			H_2O (µg/m^3)	8/7/08	11,800,000	11/17/08	11,000,000	3/19/09	10,200,000	NS	NS
			PCE (µg/m^3)	8/7/08	396,000	11/17/08	400,000	3/19/09	285,000	NS	NS
			Pressure Differential (kPa)	8/7/08	-0.04	11/17/08	-0.16	3/19/09	0	5/19/09	0[d]
			TCA (µg/m^3)	8/7/08	1,280,000	11/17/08	1,140,000	3/19/09	1,000,000	NS	NS
			TCE (µg/m^3)	8/7/08	230,000	11/17/08	209,000	3/19/09	143,000	NS	NS
	140	137.5–142.5	CO_2 (µg/m^3)	8/7/08	9,990,000	11/17/08	7,600,000	3/19/09	15,500,000	5/19/09	10,300,000
			Freon-11 (µg/m^3)	8/7/08	12,500	11/17/08	17,700	3/19/09	32,100	5/19/09	37,200
			H_2O (µg/m^3)	8/7/08	12,500,000	11/17/08	9,580,000	3/19/09	10,100,000	5/19/09	54.1[b]
			PCE (µg/m^3)	8/7/08	143,000	11/17/08	159,000	3/19/09	314,000	5/19/09	213,000
			Pressure Differential (kPa)	8/7/08	-0.05	11/17/08	0.02	3/19/09	0.04	5/19/09	0.04
			TCA (µg/m^3)	8/7/08	504,000	11/17/08	372,000	3/19/09	649,000	5/19/09	396,000
			TCE (µg/m^3)	8/7/08	83,000	11/17/08	61,600	3/19/09	37,600	5/19/09	58,000
	157	154.5–159.5	CO_2 (µg/m^3)	8/7/08	8,420,000	11/17/08	4,950,000	3/19/09	10,800,000	5/19/09	6,690,000
			Freon-11 (µg/m^3)	8/7/08	32,000	11/17/08	13,600	3/19/09	23,500	5/19/09	25,700
			H_2O (µg/m^3)	8/7/08	11,900,000	11/17/08	8,770,000	3/19/09	9,240,000	5/19/09	50.9[b]
			PCE (µg/m^3)	8/7/08	195,000	11/17/08	120,000	3/19/09	163,000	5/19/09	114,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002	157	154.5–159.5	Pressure Differential (kPa)	8/7/08	0	11/17/08	-0.39	3/19/09	-0.08	5/19/09	0
			TCA (µg/m^3)	8/7/08	601,000	11/17/08	316,000	3/19/09	570,000	5/19/09	382,000
			TCE (µg/m^3)	8/7/08	114,000	11/17/08	73,900	3/19/09	95,800	5/19/09	104,000
	180	177.5–182.5	CO_2 (µg/m^3)	8/7/08	17,700,000	11/17/08	16,700,000	3/19/09	24,200,000	5/19/09	20,400,000
			Freon-11 (µg/m^3)	8/7/08	60,100	11/17/08	53,400	3/19/09	48,200	5/19/09	78,500
			H_2O (µg/m^3)	8/7/08	12,300,000	11/17/08	11,200,000	3/19/09	11,200,000	5/19/09	62.3[b]
			PCE (µg/m^3)	8/7/08	415,000	11/17/08	393,000	3/19/09	371,000	5/19/09	384,000
			Pressure Differential (kPa)	8/7/08	-0.03	11/17/08	-0.16	3/19/09	0.02	5/19/09	0
			TCA (µg/m^3)	8/7/08	1,340,000	11/17/08	1,210,000	3/19/09	1,320,000	5/19/09	1,230,000
			TCE (µg/m^3)	8/7/08	245,000	11/17/08	225,000	3/19/09	187,000	5/19/09	267,000
	200	197.5–202.5	CO_2 (µg/m^3)	8/7/08	12,400,000	11/17/08	10,600,000	3/19/09	17,900,000	5/19/09	15,800,000
			Freon-11 (µg/m^3)	8/7/08	63,600	11/17/08	50,800	3/19/09	48,900	5/19/09	836,000
			H_2O (µg/m^3)	8/7/08	13,400,000	11/17/08	11,300,000	3/19/09	11,100,000	5/19/09	61.5[b]
			PCE (µg/m^3)	8/7/08	353,000	11/17/08	286,000	3/19/09	303,000	5/19/09	304,000
			Pressure Differential (kPa)	8/7/08	-0.11	11/17/08	-0.54	3/19/09	-0.13	5/19/09	0
			TCA (µg/m^3)	8/7/08	952,000	11/17/08	728,000	3/19/09	934,000	5/19/09	936,000
			TCE (µg/m^3)	8/7/08	205,000	11/17/08	156,000	3/19/09	168,000	5/19/09	250,000
54-02016	Ambient	Ambient	CO_2 (µg/m^3)	8/20/08	830,000	11/4/08	562,000	3/12/09	866,000	5/13/09	778,000
			Freon-11 (µg/m^3)	8/20/08	155	11/4/08	899	3/12/09	27	5/13/09	-191
			H_2O (µg/m^3)	8/20/08	11,600,000	11/4/08	6,340,000	3/12/09	5,190,000	5/13/09	32.8[b]
			PCE (µg/m^3)	8/20/08	1150	11/4/08	6720	3/12/09	3640	5/13/09	-608
			Pressure Differential (kPa)	8/20/08	0	11/4/08	0	3/12/09	0	5/13/09	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02016	Ambient	Ambient	TCA (µg/m^3)	8/20/08	-1770	11/4/08	-978	3/12/09	-221	5/13/09	-4600
			TCE (µg/m^3)	8/20/08	3830	11/4/08	-5890	3/12/09	2130	5/13/09	-1100
	18	15.5–20.5	CO_2 (µg/m^3)	8/20/08	752,000	11/4/08	3,260,000	NS	NS	NS	NS
			Freon-11 (µg/m^3)	8/20/08	693	11/4/08	8020	NS	NS	NS	NS
			H_2O (µg/m^3)	8/20/08	11,400,000	11/4/08	8,180,000	NS	NS	NS	NS
			PCE (µg/m^3)	8/20/08	6740	11/4/08	102,000	NS	NS	NS	NS
			Pressure Differential (kPa)	8/20/08	0	11/4/08	0.56	3/12/09	0[d]	5/13/09	0[d]
			TCA (µg/m^3)	8/20/08	2460	11/4/08	339,000	NS	NS	NS	NS
			TCE (µg/m^3)	8/20/08	6380	11/4/08	68,000	NS	NS	NS	NS
	31	28.5–33.5	CO_2 (µg/m^3)	8/20/08	740,000	11/4/08	35,500,000	3/12/09	48,800,000	5/13/09	38,100,000
			Freon-11 (µg/m^3)	8/20/08	618	11/4/08	92,200	3/12/09	112,000	5/13/09	199,000
			H_2O (µg/m^3)	8/20/08	13,700,000	11/4/08	14,600,000	3/12/09	13,100,000	5/13/09	71.5[b]
			PCE (µg/m^3)	8/20/08	6380	11/4/08	862,000	3/12/09	1,100,000	5/13/09	1,190,000
			Pressure Differential (kPa)	8/20/08	0	11/4/08	0.05	3/12/09	0.07	5/13/09	0
			TCA (µg/m^3)	8/20/08	1890	11/4/08	1,900,000	3/12/09	1,900,000	5/13/09	1,640,000
			TCE (µg/m^3)	8/20/08	5410	11/4/08	270,000	3/12/09	125,000	5/13/09	238,000
	82	79.5–84.5	CO_2 (µg/m^3)	8/20/08	290,000	11/4/08	32,800,000	3/12/09	36,300,000	5/13/09	27,500,000
			Freon-11 (µg/m^3)	8/20/08	47,500	11/4/08	88,200	3/12/09	81,800	5/13/09	137,000
			H_2O (µg/m^3)	8/20/08	18,100,000	11/4/08	16,100,000	3/12/09	10,500,000	5/13/09	58.1[b]
			PCE (µg/m^3)	8/20/08	424,000	11/4/08	827,000	3/12/09	806,000	5/13/09	808,000
			Pressure Differential (kPa)	8/20/08	0	11/4/08	0.06	3/12/09	0	5/13/09	0.03
			TCA (µg/m^3)	8/20/08	1,220,000	11/4/08	1,390,000	3/12/09	1,040,000	5/13/09	873,000
			TCE (µg/m^3)	8/20/08	176,000	11/4/08	168,000	3/12/09	5320	5/13/09	81,700

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020	Ambient	Ambient	CO_2 (µg/m^3)	NS	NS	11/24/08	583,000	3/24/09	957,000	5/26/09	793,000
			Freon-11 (µg/m^3)	NS	NS	11/24/08	-418	3/24/09	598	5/26/09	-1500
			H_2O (µg/m^3)	NS	NS	11/24/08	3,220,000	3/24/09	4,230,000	5/26/09	53.1[b]
			PCE (µg/m^3)	NS	NS	11/24/08	1720	3/24/09	5310	5/26/09	-9100
			Pressure Differential (kPa)	NS	NS	11/24/08	0	3/24/09	0	5/26/09	0
			TCA (µg/m^3)	NS	NS	11/24/08	-697	3/24/09	-2800	5/26/09	-2600
			TCE (µg/m^3)	NS	NS	11/24/08	4470	3/24/09	470	5/26/09	8750
	20	10–30	CO_2 (µg/m^3)	NS	NS	11/24/08	7,630,000	3/24/09	9,630,000	5/26/09	9,130,000
			Freon-11 (µg/m^3)	NS	NS	11/24/08	6700	3/24/09	4660	5/26/09	9110
			H_2O (µg/m^3)	NS	NS	11/24/08	8,110,000	3/24/09	10,600,000	5/26/09	60.3[b]
			PCE (µg/m^3)	NS	NS	11/24/08	4,050,000	3/24/09	30,800	5/26/09	38,500
			Pressure Differential (kPa)	NS	NS	11/24/08	-0.04	3/24/09	0.04	5/26/09	0
			TCA (µg/m^3)	NS	NS	11/24/08	76,000	3/24/09	87,500	5/26/09	89,900
			TCE (µg/m^3)	NS	NS	11/24/08	20,000	3/24/09	12,300	5/26/09	16,800
	40	30–50	CO_2 (µg/m^3)	NS	NS	11/24/08	8,050,000	3/24/09	10,800,000	5/26/09	9,620,000
			Freon-11 (µg/m^3)	NS	NS	11/24/08	9730	3/24/09	6920	5/26/09	14,000
			H_2O (µg/m^3)	NS	NS	11/24/08	8,480,000	3/24/09	11,100,000	5/26/09	60.5[b]
			PCE (µg/m^3)	NS	NS	11/24/08	59,300	3/24/09	45,700	5/26/09	53,500
			Pressure Differential (kPa)	NS	NS	11/24/08	-0.12	3/24/09	0.03	5/26/09	-0.02
			TCA (µg/m^3)	NS	NS	11/24/08	129,000	3/24/09	138,000	5/26/09	147,000
			TCE (µg/m^3)	NS	NS	11/24/08	31,700	3/24/09	22,000	5/26/09	31,700
	60	50–70	CO_2 (µg/m^3)	NS	NS	11/24/08	7,740,000	3/24/09	11,100,000	5/26/09	1,000,000
			Freon-11 (µg/m^3)	NS	NS	11/24/08	11,300	3/24/09	8470	5/26/09	15,400

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020	60	50–70	H_2O (µg/m^3)	NS	NS	11/24/08	8,400,000	3/24/09	11,100,000	5/26/09	60.9[b]
			PCE (µg/m^3)	NS	NS	11/24/08	70,200	3/24/09	55,200	5/26/09	64,600
			Pressure Differential (kPa)	NS	NS	11/24/08	-0.25	3/24/09	0.6	5/26/09	-0.03
			TCA (µg/m^3)	NS	NS	11/24/08	155,000	3/24/09	177,000	5/26/09	183,000
			TCE (µg/m^3)	NS	NS	11/24/08	31,800	3/24/09	27,700	5/26/09	40,400
	80	70–90	CO_2 (µg/m^3)	NS	NS	11/24/08	7,780,000	3/24/09	11,400,000	5/26/09	10,300,000
			Freon-11 (µg/m^3)	NS	NS	11/24/08	13,700	3/24/09	10,300	5/26/09	17,800
			H_2O (µg/m^3)	NS	NS	11/24/08	8,770,000	3/24/09	11,200,000	5/26/09	60.2[b]
			PCE (µg/m^3)	NS	NS	11/24/08	78,600	3/24/09	66,600	5/26/09	72,200
			Pressure Differential (kPa)	NS	NS	11/24/08	-0.37	3/24/09	0	5/26/09	0
			TCA (µg/m^3)	NS	NS	11/24/08	196,000	3/24/09	205,000	5/26/09	214,000
			TCE (µg/m^3)	NS	NS	11/24/08	38,600	3/24/09	30,900	5/26/09	50,200
	95	90–110	CO_2 (µg/m^3)	NS	NS	11/24/08	6,080,000	3/24/09	10,700,000	5/26/09	9,670,000
			Freon-11 (µg/m^3)	NS	NS	11/24/08	11,300	3/24/09	11,000	5/26/09	20,200
			H_2O (µg/m^3)	NS	NS	11/24/08	8,400,000	3/24/09	10,700,000	5/26/09	58.4[b]
			PCE (µg/m^3)	NS	NS	11/24/08	70,900	3/24/09	68,000	5/26/09	75,400
			Pressure Differential (kPa)	NS	NS	11/24/08	-0.44	3/24/09	0	5/26/09	0.06
			TCA (µg/m^3)	NS	NS	11/24/08	156,000	3/24/09	209,000	5/26/09	217,000
			TCE (µg/m^3)	NS	NS	11/24/08	31,900	3/24/09	30,300	5/26/09	47,400
	120	110–130	CO_2 (µg/m^3)	NS	NS	11/24/08	4,790,000	3/24/09	9,370,000	5/26/09	9,260,000
			Freon-11 (µg/m^3)	NS	NS	11/24/08	9910	3/24/09	10,200	5/26/09	21,400
			H_2O (µg/m^3)	NS	NS	11/24/08	8,110,000	3/24/09	10,100,000	5/26/09	57.8[b]
			PCE (µg/m^3)	NS	NS	11/24/08	68,600	3/24/09	69,600	5/26/09	83,500

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020	120	110–130	Pressure Differential (kPa)	NS	NS	11/24/08	-0.43	3/24/09	0	5/26/09	0
			TCA ($\mu g/m^3$)	NS	NS	11/24/08	144,000	3/24/09	209,000	5/26/09	235,000
			TCE ($\mu g/m^3$)	NS	NS	11/24/08	31,800	3/24/09	36,600	5/26/09	52,700
	140	130–150	CO_2 ($\mu g/m^3$)	NS	NS	11/24/08	4,140,000	3/24/09	8,490,000	5/26/09	7,890,000
			Freon-11 ($\mu g/m^3$)	NS	NS	11/24/08	9680	3/24/09	11,800	5/26/09	22,300
			H_2O ($\mu g/m^3$)	NS	NS	11/24/08	8,030,000	3/24/09	9,980,000	5/26/09	55.6[b]
			PCE ($\mu g/m^3$)	NS	NS	11/24/08	65,200	3/24/09	78,700	5/26/09	84,800
			Pressure Differential (kPa)	NS	NS	11/24/08	-0.45	3/24/09	1.1	5/26/09	0.03
			TCA ($\mu g/m^3$)	NS	NS	11/24/08	136,000	3/24/09	210,000	5/26/09	216,000
			TCE ($\mu g/m^3$)	NS	NS	11/24/08	32,500	3/24/09	32,200	5/26/09	47,900
	160	150–170	CO_2 ($\mu g/m^3$)	NS	NS	11/24/08	3,850,000	3/24/09	6,560,000	5/26/09	4,320,000
			Freon-11 ($\mu g/m^3$)	NS	NS	11/24/08	9280	3/24/09	9410	5/26/09	11,800
			H_2O ($\mu g/m^3$)	NS	NS	11/24/08	7,590,000	3/24/09	9,730,000	5/26/09	54.9[b]
			PCE ($\mu g/m^3$)	NS	NS	11/24/08	61,700	3/24/09	66,400	5/26/09	47,800
			Pressure Differential (kPa)	NS	NS	11/24/08	-0.44	3/24/09	0	5/26/09	0
			TCA ($\mu g/m^3$)	NS	NS	11/24/08	136,000	3/24/09	159,000	5/26/09	114,000
			TCE ($\mu g/m^3$)	NS	NS	11/24/08	32,800	3/24/09	27,200	5/26/09	29,900
	180	170–190	CO_2 ($\mu g/m^3$)	NS	NS	11/24/08	5,710,000	3/24/09	10,000,000	5/26/09	8,900,000
			Freon-11 ($\mu g/m^3$)	NS	NS	11/24/08	17,600	3/24/09	16,400	5/26/09	29,900
			H_2O ($\mu g/m^3$)	NS	NS	11/24/08	8,620,000	3/24/09	10,700,000	5/26/09	55.7[b]
			PCE ($\mu g/m^3$)	NS	NS	11/24/08	115,000	3/24/09	110,000	5/26/09	112,000
			Pressure Differential (kPa)	NS	NS	11/24/08	-0.45	3/24/09	0.14	5/26/09	0.09

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020	180	170–190	TCA (µg/m^3)	NS	NS	11/24/08	207,000	3/24/09	263,000	5/26/09	251,000
			TCE (µg/m^3)	NS	NS	11/24/08	44,600	3/24/09	42,600	5/26/09	58,300
	200	190–210	CO_2 (µg/m^3)	NS	NS	11/24/08	5,690,000	3/24/09	9,560,000	5/26/09	8,700,000
			Freon-11 (µg/m^3)	NS	NS	11/24/08	18,900	3/24/09	17,100	5/26/09	30,600
			H_2O (µg/m^3)	NS	NS	11/24/08	8,840,000	3/24/09	10,700,000	5/26/09	56.7[b]
			PCE (µg/m^3)	NS	NS	11/24/08	111,000	3/24/09	112,000	5/26/09	116,000
			Pressure Differential (kPa)	NS	NS	11/24/08	-0.35	3/24/09	0.17	5/26/09	0.1
			TCA (µg/m^3)	NS	NS	11/24/08	191,000	3/24/09	237,000	5/26/09	237,000
			TCE (µg/m^3)	NS	NS	11/24/08	37,000	3/24/09	34,200	5/26/09	56,400
54-02021	Ambient	Ambient	CO_2 (µg/m^3)	8/25/08	644,000	11/12/08	621,000	3/11/09	899,000	5/5/09	1090
			Freon-11 (µg/m^3)	8/25/08	-504	11/12/08	-435	3/11/09	32	5/5/09	-662
			H_2O (µg/m^3)	8/25/08	11,100,000	11/12/08	108,000	3/11/09	3,780,000	5/5/09	40.1[b]
			PCE (µg/m^3)	8/25/08	-362	11/12/08	1060	3/11/09	2710	5/5/09	-2000
			Pressure Differential (kPa)	8/25/08	0	11/12/08	0	3/11/09	0	5/5/09	0
			TCA (µg/m^3)	8/25/08	-463	11/12/08	-1810	3/11/09	-1400	5/5/09	-3800
			TCE (µg/m^3)	8/25/08	1060	11/12/08	1970	3/11/09	1900	5/5/09	4110
	20	10–30	CO_2 (µg/m^3)	8/25/08	7,420,000	11/12/08	10,200,000	3/11/09	11,600,000	5/5/09	9,650,000
			Freon-11 (µg/m^3)	8/25/08	4580	11/12/08	1230	3/11/09	201	5/5/09	1350
			H_2O (µg/m^3)	8/25/08	13,300,000	11/12/08	9,800,000	3/11/09	10,800,000	5/5/09	59.6[b]
			PCE (µg/m^3)	8/25/08	32,900	11/12/08	11,900	3/11/09	4790	5/5/09	7680
			Pressure Differential (kPa)	8/25/08	0	11/12/08	0.02	3/11/09	0.03	5/5/09	0.05
			TCA (µg/m^3)	8/25/08	263,000	11/12/08	112,000	3/11/09	89,500	5/5/09	99,700
			TCE (µg/m^3)	8/25/08	53,400	11/12/08	24,200	3/11/09	16,900	5/5/09	17,200

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021	40	30–50	CO_2 (µg/m^3)	8/25/08	3,870,000	11/12/08	4,210,000	3/11/09	5,770,000	5/5/09	4,740,000
			Freon-11 (µg/m^3)	8/25/08	991	11/12/08	-166	3/11/09	178	5/5/09	-899
			H_2O (µg/m^3)	8/25/08	12,800,000	11/12/08	8,330,000	3/11/09	8,480,000	5/5/09	54.3[b]
			PCE (µg/m^3)	8/25/08	5940	11/12/08	4480	3/11/09	4950	5/5/09	-951
			Pressure Differential (kPa)	8/25/08	0	11/12/08	0.02	3/11/09	0.03	5/5/09	0.02
			TCA (µg/m^3)	8/25/08	71,800	11/12/08	65,900	3/11/09	62,800	5/5/09	65,900
			TCE (µg/m^3)	8/25/08	14,900	11/12/08	16,000	3/11/09	13,900	5/5/09	19,600
	60	50–70	CO_2 (µg/m^3)	8/25/08	6,170,000	11/12/08	6,820,000	3/11/09	11,200,000	5/5/09	9,170,000
			Freon-11 (µg/m^3)	8/25/08	1240	11/12/08	-2250	3/11/09	906	5/5/09	79
			H_2O (µg/m^3)	8/25/08	13,700,000	11/12/08	8,700,000	3/11/09	10,300,000	5/5/09	59.6[b]
			PCE (µg/m^3)	8/25/08	12,500	11/12/08	17,500	3/11/09	11,800	5/5/09	12,000
			Pressure Differential (kPa)	8/25/08	0	11/12/08	0.04	3/11/09	0.02	5/5/09	0.07
			TCA (µg/m^3)	8/25/08	187,000	11/12/08	189,000	3/11/09	212,000	5/5/09	199,000
			TCE (µg/m^3)	8/25/08	36,300	11/12/08	34,500	3/11/09	34,300	5/5/09	45,800
	80	70–90	CO_2 (µg/m^3)	8/25/08	2,250,000	11/12/08	2,560,000	NS	NS	NS	NS
			Freon-11 (µg/m^3)	8/25/08	578	11/12/08	1550	NS	NS	NS	NS
			H_2O (µg/m^3)	8/25/08	12,500,000	11/12/08	7,520,000	NS	NS	NS	NS
			PCE (µg/m^3)	8/25/08	6490	11/12/08	8410	NS	NS	NS	NS
			Pressure Differential (kPa)	8/25/08	0	11/12/08	0.01	3/11/09	0[d]	5/5/09	0.02[d]
			TCA (µg/m^3)	8/25/08	72,300	11/12/08	78,200	NS	NS	NS	NS
			TCE (µg/m^3)	8/25/08	14,600	11/12/08	11,600	NS	NS	NS	NS
	100	90–110	CO_2 (µg/m^3)	8/25/08	7,600,000	11/12/08	7,430,000	3/11/09	12,000,000	5/5/09	9,700,000
			Freon-11 (µg/m^3)	8/25/08	2820	11/12/08	1900	3/11/09	1740	5/5/09	4240

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021	100	90–110	H_2O (µg/m^3)	8/25/08	12,100,000	11/12/08	9,070,000	3/11/09	10,700,000	5/5/09	59[b]
			PCE (µg/m^3)	8/25/08	25,000	11/12/08	22,600	3/11/09	19,600	5/5/09	21,500
			Pressure Differential (kPa)	8/25/08	0	11/12/08	0.03	3/11/09	-0.05	5/5/09	0.13
			TCA (µg/m^3)	8/25/08	326,000	11/12/08	298,000	3/11/09	347,000	5/5/09	305,000
			TCE (µg/m^3)	8/25/08	57,300	11/12/08	58,900	3/11/09	53,300	5/5/09	59,800
	120	110–130	CO_2 (µg/m^3)	8/25/08	1,110,000	11/12/08	1,430,000	NS	NS	NS	NS
			Freon-11 (µg/m^3)	8/25/08	813	11/12/08	-1190	NS	NS	NS	NS
			H_2O (µg/m^3)	8/25/08	11,400,000	11/12/08	6,710,000	NS	NS	NS	NS
			PCE (µg/m^3)	8/25/08	1980	11/12/08	5190	NS	NS	NS	NS
			Pressure Differential (kPa)	8/25/08	0	11/12/08	0.01	3/11/09	0[d]	5/5/09	0.03[d]
			TCA (µg/m^3)	8/25/08	26,500	11/12/08	30,700	NS	NS	NS	NS
			TCE (µg/m^3)	8/25/08	4360	11/12/08	10,900	NS	NS	NS	NS
	140	130–150	CO_2 (µg/m^3)	8/25/08	8,500,000	11/12/08	3,460,000	3/11/09	12,400,000	5/5/09	10,200,000
			Freon-11 (µg/m^3)	8/25/08	3950	11/12/08	-544	3/11/09	2440	5/5/09	4200
			H_2O (µg/m^3)	8/25/08	11,400,000	11/12/08	7,660,000	3/11/09	11,500,000	5/5/09	59.8[b]
			PCE (µg/m^3)	8/25/08	31,600	11/12/08	5420	3/11/09	23,400	5/5/09	26,300
			Pressure Differential (kPa)	8/25/08	0	11/12/08	0.02	3/11/09	-0.14	5/5/09	0.16
			TCA (µg/m^3)	8/25/08	393,000	11/12/08	52,200	3/11/09	388,000	5/5/09	346,000
			TCE (µg/m^3)	8/25/08	70,700	11/12/08	15,100	3/11/09	60,800	5/5/09	76,500
	160	150–170	CO_2 (µg/m^3)	8/25/08	3,240,000	11/12/08	2,470,000	3/11/09	5,850,000	5/5/09	4820
			Freon-11 (µg/m^3)	8/25/08	1500	11/12/08	-126	3/11/09	1070	5/5/09	1140
			H_2O (µg/m^3)	8/25/08	10,900,000	11/12/08	7,300,000	3/11/09	7,800,000	5/5/09	55[b]
			PCE (µg/m^3)	8/25/08	13,100	11/12/08	8340	3/11/09	13,000	5/5/09	11,600

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021	160	150–170	Pressure Differential (kPa)	8/25/08	0	11/12/08	0	3/11/09	-0.07	5/5/09	0.19
			TCA (µg/m^3)	8/25/08	135,000	11/12/08	84,500	3/11/09	164,000	5/5/09	143,000
			TCE (µg/m^3)	8/25/08	27,500	11/12/08	22,100	3/11/09	28,800	5/5/09	35,700
	180	170–190	CO_2 (µg/m^3)	8/25/08	8,410,000	11/12/08	8,300,000	3/11/09	12,100,000	5/5/09	10,800,000
			Freon-11 (µg/m^3)	8/25/08	4100	11/12/08	3020	3/11/09	2570	5/5/09	4260
			H_2O (µg/m^3)	8/25/08	10,500,000	11/12/08	9,140,000	3/11/09	9,910,000	5/5/09	58.2[b]
			PCE (µg/m^3)	8/25/08	29,900	11/12/08	29,400	3/11/09	23,200	5/5/09	29,800
			Pressure Differential (kPa)	8/25/08	0	11/12/08	0.02	3/11/09	-0.12	5/5/09	0.13
			TCA (µg/m^3)	8/25/08	388,000	11/12/08	373,000	3/11/09	385,000	5/5/09	361,000
			TCE (µg/m^3)	8/25/08	70,700	11/12/08	72,300	3/11/09	60,600	5/5/09	84,500
	198	190–210	CO_2 (µg/m^3)	8/25/08	7,580,000	11/12/08	7,580,000	3/11/09	10,600,000	5/5/09	9,740,000
			Freon-11 (µg/m^3)	8/25/08	5100	11/12/08	4480	3/11/09	2620	5/5/09	4330
			H_2O (µg/m^3)	8/25/08	11,400,000	11/12/08	9,070,000	3/11/09	9,900,000	5/5/09	60.2[b]
			PCE (µg/m^3)	8/25/08	30,300	11/12/08	29,100	3/11/09	21,500	5/5/09	27,900
			Pressure Differential (kPa)	8/25/08	-0.04	11/12/08	0	3/11/09	-0.31	5/5/09	0.2
			TCA (µg/m^3)	8/25/08	283,000	11/12/08	274,000	3/11/09	272,000	5/5/09	278,000
			TCE (µg/m^3)	8/25/08	56,800	11/12/08	57,900	3/11/09	48,100	5/5/09	70,300
54-02022	Ambient	Ambient	CO_2 (µg/m^3)	8/28/08	670,000	11/13/08	670,000	3/11/09	990,000	5/4/09	789,000
			Freon-11 (µg/m^3)	8/28/08	-166	11/13/08	-533	3/11/09	-66	5/4/09	-61
			H_2O (µg/m^3)	8/28/08	9,880,000	11/13/08	5,840,000	3/11/09	9,980,000	5/4/09	38.6[b]
			PCE (µg/m^3)	8/28/08	883	11/13/08	1200	3/11/09	3180	5/4/09	-885
			Pressure Differential (kPa)	8/28/08	0	11/13/08	0	3/11/09	0	5/4/09	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022	Ambient	Ambient	TCA (µg/m^3)	8/28/08	-144	11/13/08	-2910	3/11/09	-4400	5/4/09	-3400
			TCE (µg/m^3)	8/28/08	1210	11/13/08	2850	3/11/09	2930	5/4/09	-743
	20	17.5–22.5	CO_2 (µg/m^3)	8/28/08	11,100,000	11/13/08	13,400,000	3/11/09	17,300,000	5/4/09	13,900,000
			Freon-11 (µg/m^3)	8/28/08	1430	11/13/08	1710	3/11/09	617	5/4/09	811
			H_2O (µg/m^3)	8/28/08	13,700,000	11/13/08	8,990,000	3/11/09	10,100,000	5/4/09	55.8[b]
			PCE (µg/m^3)	8/28/08	20,200	11/13/08	27,300	3/11/09	14,900	5/4/09	19,700
			Pressure Differential (kPa)	8/28/08	0	11/13/08	0.07	3/11/09	0	5/4/09	0
			TCA (µg/m^3)	8/28/08	237,000	11/13/08	247,000	3/11/09	210,000	5/4/09	233,000
			TCE (µg/m^3)	8/28/08	40,000	11/13/08	47,000	3/11/09	36,100	5/4/09	50,900
	40	37.5–42.5	CO_2 (µg/m^3)	8/28/08	10,900,000	11/13/08	12,200,000	3/11/09	17,800,000	5/4/09	14,700,000
			Freon-11 (µg/m^3)	8/28/08	2440	11/13/08	2980	3/11/09	1640	5/4/09	1760
			H_2O (µg/m^3)	8/28/08	10,100,000	11/13/08	9,510,000	3/11/09	10,100,000	5/4/09	52.2[b]
			PCE (µg/m^3)	8/28/08	34,500	11/13/08	40,000	3/11/09	28,300	5/4/09	34,400
			Pressure Differential (kPa)	8/28/08	0	11/13/08	0.13	3/11/09	-0.02	5/4/09	0.01
			TCA (µg/m^3)	8/28/08	421,000	11/13/08	440,000	3/11/09	417,000	5/4/09	408,000
			TCE (µg/m^3)	8/28/08	69,700	11/13/08	75,000	3/11/09	64,800	5/4/09	91,800
	60	57.5–62.5	CO_2 (µg/m^3)	8/28/08	10,300,000	11/13/08	11,400,000	3/11/09	17,000,000	5/4/09	14,600,000
			Freon-11 (µg/m^3)	8/28/08	3090	11/13/08	3380	3/11/09	2060	5/4/09	2450
			H_2O (µg/m^3)	8/28/08	11,400,000	11/13/08	9,510,000	3/11/09	9,980,000	5/4/09	54.6[b]
			PCE (µg/m^3)	8/28/08	37,200	11/13/08	42,300	3/11/09	30,700	5/4/09	38,900
			Pressure Differential (kPa)	8/28/08	0	11/13/08	0.19	3/11/09	-0.07	5/4/09	0.03
			TCA (µg/m^3)	8/28/08	497,000	11/13/08	514,000	3/11/09	510,000	5/4/09	503,000
			TCE (µg/m^3)	8/28/08	79,800	11/13/08	86,800	3/11/09	74,300	5/4/09	107,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022	80	77.5–82.5	CO_2 (µg/m^3)	8/28/08	9,990,000	11/13/08	10,600,000	3/11/09	16,000,000	5/4/09	13,600,000
			Freon-11 (µg/m^3)	8/28/08	3470	11/13/08	3600	3/11/09	2310	5/4/09	2930
			H_2O (µg/m^3)	8/28/08	12,500,000	11/13/08	9,580,000	3/11/09	9,940,000	5/4/09	65.6[b]
			PCE (µg/m^3)	8/28/08	38,200	11/13/08	44,400	3/11/09	32,000	5/4/09	39,200
			Pressure Differential (kPa)	8/28/08	0.01	11/13/08	0.25	3/11/09	-0.13	5/4/09	0.05
			TCA (µg/m^3)	8/28/08	548,000	11/13/08	537,000	3/11/09	563,000	5/4/09	526,000
			TCE (µg/m^3)	8/28/08	85,200	11/13/08	87,300	3/11/09	78,900	5/4/09	108,000
	100	97.5–102.5	CO_2 (µg/m^3)	8/28/08	6,930,000	11/13/08	3,370,000	3/11/09	4,680,000	5/4/09	3,720,000[c]
			Freon-11 (µg/m^3)	8/28/08	2540	11/13/08	968	3/11/09	563	5/4/09	557[c]
			H_2O (µg/m^3)	8/28/08	10,500,000	11/13/08	7,810,000	3/11/09	7,650,000	5/4/09	47.7[b, c]
			PCE (µg/m^3)	8/28/08	23,400	11/13/08	13,200	3/11/09	11,700	5/4/09	9600[c]
			Pressure Differential (kPa)	8/28/08	0	11/13/08	0.29	3/11/09	-0.21	5/4/09	0.06[c]
			TCA (µg/m^3)	8/28/08	381,000	11/13/08	175,000	3/11/09	157,000	5/4/09	135,000[c]
			TCE (µg/m^3)	8/28/08	57,300	11/13/08	33,900	3/11/09	25,900	5/4/09	32,700[c]
	120	117.5–122.5	CO_2 (µg/m^3)	8/28/08	9,760,000	11/13/08	10,200,000	3/11/09	14,600,000	5/4/09	13,100,000
			Freon-11 (µg/m^3)	8/28/08	4200	11/13/08	4780	3/11/09	2580	5/4/09	4270
			H_2O (µg/m^3)	8/28/08	12,300,000	11/13/08	9,580,000	3/11/09	9,540,000	5/4/09	55.8[b]
			PCE (µg/m^3)	8/28/08	35,600	11/13/08	42,700	3/11/09	28,900	5/4/09	36,000
			Pressure Differential (kPa)	8/28/08	0.02	11/13/08	0.31	3/11/09	-0.31	5/4/09	0.09
			TCA (µg/m^3)	8/28/08	617,000	11/13/08	611,000	3/11/09	618,000	5/4/09	594,000
			TCE (µg/m^3)	8/28/08	97,000	11/13/08	100,000	3/11/09	86,200	5/4/09	119,000
	140	137.5–142.5	CO_2 (µg/m^3)	8/28/08	8,890,000	11/13/08	9,520,000	3/11/09	12,900,000	5/4/09	12,300,000
			Freon-11 (µg/m^3)	8/28/08	4830	11/13/08	4830	3/11/09	2900	5/4/09	5530

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022	140	137.5–142.5	H_2O (µg/m^3)	8/28/08	12,600,000	11/13/08	9,580,000	3/11/09	9,420,000	5/4/09	56.1[b]
			PCE (µg/m^3)	8/28/08	31,600	11/13/08	40,000	3/11/09	25,300	5/4/09	33,500
			Pressure Differential (kPa)	8/28/08	0.03	11/13/08	0.3	3/11/09	-0.33	5/4/09	0.09
			TCA (µg/m^3)	8/28/08	521,000	11/13/08	548,000	3/11/09	540,000	5/4/09	543,000
			TCE (µg/m^3)	8/28/08	85,200	11/13/08	95,900	3/11/09	78,500	5/4/09	112,000
	160	157.5–162.5	CO_2 (µg/m^3)	8/28/08	9,270,000	11/13/08	9,310,000	3/11/09	12,500,000	5/4/09	11,800,000
			Freon-11 (µg/m^3)	8/28/08	4940	11/13/08	4980	3/11/09	3170	5/4/09	5590
			H_2O (µg/m^3)	8/28/08	10,500,000	11/13/08	9,650,000	3/11/09	9,380,000	5/4/09	55.1[b]
			PCE (µg/m^3)	8/28/08	34,000	11/13/08	37,800	3/11/09	25,000	5/4/09	32,200
			Pressure Differential (kPa)	8/28/08	0.07	11/13/08	0.32	3/11/09	-47	5/4/09	0.13
			TCA (µg/m^3)	8/28/08	519,000	11/13/08	493,000	3/11/09	489,000	5/4/09	484,000
			TCE (µg/m^3)	8/28/08	90,500	11/13/08	89,500	3/11/09	73,800	5/4/09	103,000
	180	177.5–182.5	CO_2 (µg/m^3)	8/28/08	8,680,000	11/13/08	8,140,000	3/11/09	11,500,000	5/4/09	9,030,000
			Freon-11 (µg/m^3)	8/28/08	4890	11/13/08	4500	3/11/09	2990	5/4/09	4270
			H_2O (µg/m^3)	8/28/08	10,000,000	11/13/08	9,360,000	3/11/09	9,090,000	5/4/09	53.8[b]
			PCE (µg/m^3)	8/28/08	30,900	11/13/08	32,100	3/11/09	22,700	5/4/09	21,900
			Pressure Differential (kPa)	8/28/08	0.08	11/13/08	0.32	3/11/09	-0.44	5/4/09	0.1
			TCA (µg/m^3)	8/28/08	409,000	11/13/08	354,000	3/11/09	378,000	5/4/09	303,000
			TCE (µg/m^3)	8/28/08	75,000	11/13/08	68,000	3/11/09	60,000	5/4/09	69,800
	200	197.5–202.5	CO_2 (µg/m^3)	8/28/08	8,420,000	11/13/08	8,390,000	3/11/09	11,100,000	5/4/09	10,400,000
			Freon-11 (µg/m^3)	8/28/08	4720	11/13/08	4830	3/11/09	2790	5/4/09	5420
			H_2O (µg/m^3)	8/28/08	12,200,000	11/13/08	9,730,000	3/11/09	9,070,000	5/4/09	57.7[b]
			PCE (µg/m^3)	8/28/08	26,600	11/13/08	31,800	3/11/09	20,000	5/4/09	23,500

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022	200	197.5–202.5	Pressure Differential (kPa)	8/28/08	0.09	11/13/08	0.33	3/11/09	-0.4	5/4/09	0.08
			TCA (µg/m^3)	8/28/08	318,000	11/13/08	298,000	3/11/09	274,000	5/4/09	292,000
			TCE (µg/m^3)	8/28/08	61,100	11/13/08	58,900	3/11/09	46,100	5/4/09	68,300
54-02023	Ambient	Ambient	CO_2 (µg/m^3)	8/15/08	641,000	11/18/08	590,000	3/24/09	10,700,000	5/19/09	1,130,000
			Freon-11 (µg/m^3)	8/15/08	-68.7	11/18/08	-103	3/24/09	-84	5/19/09	105
			H_2O (µg/m^3)	8/15/08	13,700,000	11/18/08	3,730,000	3/24/09	3,420,000	5/19/09	45.6[b]
			PCE (µg/m^3)	8/15/08	-1130	11/18/08	403	3/24/09	1990	5/19/09	-775
			Pressure Differential (kPa)	8/15/08	0	11/18/08	0	3/24/09	0	5/19/09	0
			TCA (µg/m^3)	8/15/08	137	11/18/08	-3090	3/24/09	-398	5/19/09	-3900
			TCE (µg/m^3)	8/15/08	357	11/18/08	1290	3/24/09	2380	5/19/09	-744
	20	10–30	CO_2 (µg/m^3)	8/15/08	17,000,000	11/18/08	18,000,000	3/24/09	20,300,000	5/19/09	20,000,000
			Freon-11 (µg/m^3)	8/15/08	2750	11/18/08	2030	3/24/09	827	5/19/09	4580
			H_2O (µg/m^3)	8/15/08	13,500,000	11/18/08	10,700,000	3/24/09	10,500,000	5/19/09	64[b]
			PCE (µg/m^3)	8/15/08	17,900	11/18/08	17,100	3/24/09	5410	5/19/09	12,500
			Pressure Differential (kPa)	8/15/08	0	11/18/08	0.05	3/24/09	0	5/19/09	0.02
			TCA (µg/m^3)	8/15/08	28,800	11/18/08	25,900	3/24/09	-34000	5/19/09	38,200
			TCE (µg/m^3)	8/15/08	12,000	11/18/08	15,200	3/24/09	-263	5/19/09	851
	40	30–50	CO_2 (µg/m^3)	8/15/08	14,500,000	11/18/08	17,300,000	3/24/09	22,800,000	5/19/09	18,000,000
			Freon-11 (µg/m^3)	8/15/08	3140	11/18/08	3320	3/24/09	1700	5/19/09	2860
			H_2O (µg/m^3)	8/15/08	14,200,000	11/18/08	11,500,000	3/24/09	12,200,000	5/19/09	62.4[b]
			PCE (µg/m^3)	8/15/08	20,900	11/18/08	23,500	3/24/09	7470	5/19/09	11,600
			Pressure Differential (kPa)	8/15/08	0	11/18/08	0.04	3/24/09	-0.06	5/19/09	0.02

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023	40	30–50	TCA (µg/m^3)	8/15/08	33,900	11/18/08	39,900	3/24/09	-11000	5/19/09	47,400
			TCE (µg/m^3)	8/15/08	15,100	11/18/08	17,700	3/24/09	5450	5/19/09	12,900
	60	50–70	CO_2 (µg/m^3)	8/15/08	8,820,000	11/18/08	8,730,000	3/24/09	13,800,000	5/19/09	7,830,000
			Freon-11 (µg/m^3)	8/15/08	8700	11/18/08	8470	3/24/09	7310	5/19/09	8240
			H_2O (µg/m^3)	8/15/08	12,600,000	11/18/08	11,600,000	3/24/09	12,700,000	5/19/09	60.7[b]
			PCE (µg/m^3)	8/15/08	47,900	11/18/08	51,600	3/24/09	44,500	5/19/09	32,100
			Pressure Differential (kPa)	8/15/08	-0.09	11/18/08	-0.46	3/24/09	-0.02	5/19/09	-0.03
			TCA (µg/m^3)	8/15/08	78,200	11/18/08	70,200	3/24/09	58,300	5/19/09	53,500
			TCE (µg/m^3)	8/15/08	26,200	11/18/08	25,100	3/24/09	15,900	5/19/09	20,300
	80	70–90	CO_2 (µg/m^3)	8/15/08	8,870,000	11/18/08	8,710,000	3/24/09	14,200,000	5/19/09	13,100,000
			Freon-11 (µg/m^3)	8/15/08	4600	11/18/08	3470	3/24/09	2330	5/19/09	3810
			H_2O (µg/m^3)	8/15/08	12,600,000	11/18/08	10,800,000	3/24/09	11,600,000	5/19/09	60.4[b]
			PCE (µg/m^3)	8/15/08	27,200	11/18/08	22,000	3/24/09	15,000	5/19/09	17,500
			Pressure Differential (kPa)	8/15/08	-0.07	11/18/08	-0.04	3/24/09	-0.13	5/19/09	0
			TCA (µg/m^3)	8/15/08	39,400	11/18/08	33,700	3/24/09	13,200	5/19/09	56,000
			TCE (µg/m^3)	8/15/08	10,700	11/18/08	15,200	3/24/09	9660	5/19/09	17,800
	100	90–110	CO_2 (µg/m^3)	8/15/08	12,100,000	11/18/08	11,200,000	3/24/09	18,000,000	5/19/09	15,000,000
			Freon-11 (µg/m^3)	8/15/08	7390	11/18/08	5900	3/24/09	4100	5/19/09	7530
			H_2O (µg/m^3)	8/15/08	13,000,000	11/18/08	12,200,000	3/24/09	13,300,000	5/19/09	63.5[b]
			PCE (µg/m^3)	8/15/08	39,400	11/18/08	38,600	3/24/09	25,100	5/19/09	23,800
			Pressure Differential (kPa)	8/15/08	-0.1	11/18/08	-0.15	3/24/09	-0.19	5/19/09	0
			TCA (µg/m^3)	8/15/08	76,000	11/18/08	63,300	3/24/09	36,800	5/19/09	84,000
			TCE (µg/m^3)	8/15/08	22,400	11/18/08	22,000	3/24/09	13,000	5/19/09	23,100

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023	120	110–130	CO_2 (µg/m^3)	8/15/08	9,770,000	11/18/08	10,800,000	3/24/09	16,600,000	5/19/09	13,900,000
			Freon-11 (µg/m^3)	8/15/08	6810	11/18/08	6870	3/24/09	4820	5/19/09	7840
			H_2O (µg/m^3)	8/15/08	12,500,000	11/18/08	12,200,000	3/24/09	13,200,000	5/19/09	63[b]
			PCE (µg/m^3)	8/15/08	38,400	11/18/08	43,100	3/24/09	28,700	5/19/09	29,200
			Pressure Differential (kPa)	8/15/08	-0.1	11/18/08	-0.18	3/24/09	-0.19	5/19/09	-0.07
			TCA (µg/m^3)	8/15/08	73,900	11/18/08	75,000	3/24/09	46,400	5/19/09	90,900
			TCE (µg/m^3)	8/15/08	20,400	11/18/08	24,200	3/24/09	15,900	5/19/09	26,600
	140	130–149	CO_2 (µg/m^3)	8/15/08	1,710,000	11/18/08	1,580,000	3/24/09	3,150,000[c]	NS	NS
			Freon-11 (µg/m^3)	8/15/08	876	11/18/08	555	3/24/09	585[c]	NS	NS
			H_2O (µg/m^3)	8/15/08	11,600,000	11/18/08	7,810,000	3/24/09	8,260,000[c]	NS	NS
			PCE (µg/m^3)	8/15/08	3270	11/18/08	5580	3/24/09	7140[c]	NS	NS
			Pressure Differential (kPa)	8/15/08	0	11/18/08	0	3/24/09	0[c]	5/19/09	-0.1[d]
			TCA (µg/m^3)	8/15/08	10,100	11/18/08	5260	3/24/09	4100[c]	NS	NS
			TCE (µg/m^3)	8/15/08	7230	11/18/08	4720	3/24/09	7230[c]	NS	NS
	159	149–169	CO_2 (µg/m^3)	8/15/08	5,170,000	11/18/08	4,300,000	3/24/09	11,500,000	5/19/09	11,400,000
			Freon-11 (µg/m^3)	8/15/08	4600	11/18/08	3720	3/24/09	6370	5/19/09	8270
			H_2O (µg/m^3)	8/15/08	11,800,000	11/18/08	9,430,000	3/24/09	12,600,000	5/19/09	59.1[b]
			PCE (µg/m^3)	8/15/08	33,100	11/18/08	24,400	3/24/09	40,900	5/19/09	43,300
			Pressure Differential (kPa)	8/15/08	-0.01	11/18/08	0.7	3/24/09	0	5/19/09	-0.06
			TCA (µg/m^3)	8/15/08	53,700	11/18/08	33,800	3/24/09	62,100	5/19/09	92,100
			TCE (µg/m^3)	8/15/08	16,900	11/18/08	13,800	3/24/09	16,300	5/19/09	35,200
	180	170–190	CO_2 (µg/m^3)	8/15/08	2,320,000	11/18/08	2,990,000	NS	NS	NS	NS
			Freon-11 (µg/m^3)	8/15/08	1270	11/18/08	481	NS	NS	NS	NS

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023	180	170–190	H_2O (µg/m^3)	8/15/08	11,600,000	11/18/08	8,180,000	NS	NS	NS	NS
			PCE (µg/m^3)	8/15/08	3660	11/18/08	5280	NS	NS	NS	NS
			Pressure Differential (kPa)	8/15/08	0	11/18/08	0.04	3/24/09	0[d]	5/19/09	0[d]
			TCA (µg/m^3)	8/15/08	5240	11/18/08	8190	NS	NS	NS	NS
			TCE (µg/m^3)	8/15/08	3510	11/18/08	7180	NS	NS	NS	NS
	200	190–210	CO_2 (µg/m^3)	8/15/08	2,380,000	11/18/08	6,170,000	3/24/09	11,700,000	5/19/09	10,300,000
			Freon-11 (µg/m^3)	8/15/08	9050	11/18/08	6810	3/24/09	7690	5/19/09	12,400
			H_2O (µg/m^3)	8/15/08	14,700,000	11/18/08	12,500,000	3/24/09	13,900,000	5/19/09	59.7[b]
			PCE (µg/m^3)	8/15/08	55,600	11/18/08	40,500	3/24/09	49,300	5/19/09	43,500
			Pressure Differential (kPa)	8/15/08	0.02	11/18/08	-0.62	3/24/09	0.04	5/19/09	-0.13
			TCA (µg/m^3)	8/15/08	92,500	11/18/08	59,000	3/24/09	67,200	5/19/09	97,400
			TCE (µg/m^3)	8/15/08	25,300	11/18/08	18,200	3/24/09	16,500	5/19/09	33,400
54-02024	Ambient	Ambient	CO_2 (µg/m^3)	8/6/08	610,000	11/18/08	495,000	3/21/09	1,270,000	5/21/09	792,000
			Freon-11 (µg/m^3)	8/6/08	295	11/18/08	435	3/21/09	95.5	5/21/09	881
			H_2O (µg/m^3)	8/6/08	14,300,000	11/18/08	3,170,000	3/21/09	7,650,000	5/21/09	51.9[b]
			PCE (µg/m^3)	8/6/08	453	11/18/08	7370	3/21/09	3420	5/21/09	9340
			Pressure Differential (kPa)	8/6/08	0	11/18/08	0	3/21/09	0	5/21/09	0
			TCA (µg/m^3)	8/6/08	-585	11/18/08	-4380	3/21/09	-2000	5/21/09	1340
			TCE (µg/m^3)	8/6/08	-118	11/18/08	3960	3/21/09	2340	5/21/09	-1000
	20	10–30	CO_2 (µg/m^3)	8/6/08	9,900,000	11/18/08	8,640,000	3/21/09	10,600,000	5/21/09	11,600,000
			Freon-11 (µg/m^3)	8/6/08	3240	11/18/08	3680	3/21/09	2600	5/21/09	3570
			H_2O (µg/m^3)	8/6/08	12,300,000	11/18/08	10,500,000	3/21/09	11,100,000	5/21/09	59.4[b]
			PCE (µg/m^3)	8/6/08	21,800	11/18/08	29,100	3/21/09	16,800	5/21/09	18,500

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024	20	10–30	Pressure Differential (kPa)	8/6/08	0	11/18/08	0.03	3/21/09	0	5/21/09	-0.05
			TCA (µg/m^3)	8/6/08	36,400	11/18/08	56,400	3/21/09	30,400	5/21/09	45,000
			TCE (µg/m^3)	8/6/08	15,700	11/18/08	12,900	3/21/09	8950	5/21/09	17,900
	40	30–50	CO_2 (µg/m^3)	8/6/08	9,020,000	11/18/08	8,820,000	3/21/09	11,100,000	5/21/09	8,040,000
			Freon-11 (µg/m^3)	8/6/08	4760	11/18/08	7100	3/21/09	3180	5/21/09	3660
			H_2O (µg/m^3)	8/6/08	13,100,000	11/18/08	11,300,000	3/21/09	11,500,000	5/21/09	58.4[b]
			PCE (µg/m^3)	8/6/08	27,700	11/18/08	50,200	3/21/09	20,800	5/21/09	17,300
			Pressure Differential (kPa)	8/6/08	0	11/18/08	0.03	3/21/09	-0.02	5/21/09	0
			TCA (µg/m^3)	8/6/08	56,900	11/18/08	61,700	3/21/09	47,500	5/21/09	41,200
			TCE (µg/m^3)	8/6/08	18,100	11/18/08	986	3/21/09	12,700	5/21/09	15,300
	60	50–70	CO_2 (µg/m^3)	8/6/08	8,690,000	11/18/08	8,770,000	3/21/09	11,900,000	5/21/09	10,600,000
			Freon-11 (µg/m^3)	8/6/08	6300	11/18/08	5600	3/21/09	4270	5/21/09	8330
			H_2O (µg/m^3)	8/6/08	11,000,000	11/18/08	11,300,000	3/21/09	10,600,000	5/21/09	57.6[b]
			PCE (µg/m^3)	8/6/08	38,300	11/18/08	44,100	3/21/09	26,400	5/21/09	31,200
			Pressure Differential (kPa)	8/6/08	0	11/18/08	0.06	3/21/09	-0.04	5/21/09	-0.07
			TCA (µg/m^3)	8/6/08	84,500	11/18/08	68,600	3/21/09	65,000	5/21/09	82,500
			TCE (µg/m^3)	8/6/08	22,200	11/18/08	12,300	3/21/09	14,900	5/21/09	23,600
	80	70–90	CO_2 (µg/m^3)	8/6/08	8,440,000	11/18/08	8,570,000	3/21/09	12,300,000	5/21/09	10,900,000
			Freon-11 (µg/m^3)	8/6/08	7900	11/18/08	7670	3/21/09	5850	5/21/09	11,000
			H_2O (µg/m^3)	8/6/08	11,900,000	11/18/08	11,400,000	3/21/09	11,400,000	5/21/09	60.7[b]
			PCE (µg/m^3)	8/6/08	46,700	11/18/08	50,900	3/21/09	36,600	5/21/09	40,900
			Pressure Differential (kPa)	8/6/08	0	11/18/08	0.15	3/21/09	-0.05	5/21/09	-0.1

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024	80	70–90	TCA (µg/m^3)	8/6/08	113,000	11/18/08	110,000	3/21/09	94,600	5/21/09	107,000
			TCE (µg/m^3)	8/6/08	27,600	11/18/08	25,400	3/21/09	19,500	5/21/09	28,800
	100	90–110	CO_2 (µg/m^3)	8/6/08	8,280,000	11/18/08	8,460,000	3/21/09	12,400,000	5/21/09	10,200,000
			Freon-11 (µg/m^3)	8/6/08	9560	11/18/08	9450	3/21/09	7130	5/21/09	11,700
			H_2O (µg/m^3)	8/6/08	12,200,000	11/18/08	11,300,000	3/21/09	11,600,000	5/21/09	60.6[b]
			PCE (µg/m^3)	8/6/08	54,800	11/18/08	62,200	3/21/09	43,700	5/21/09	45,400
			Pressure Differential (kPa)	8/6/08	-0.04	11/18/08	0.22	3/21/09	-0.06	5/21/09	-0.1
			TCA (µg/m^3)	8/6/08	126,000	11/18/08	115,000	3/21/09	115,000	5/21/09	115,000
			TCE (µg/m^3)	8/6/08	30,100	11/18/08	26,600	3/21/09	21,800	5/21/09	31,200
	120	110–130	CO_2 (µg/m^3)	NS	NS	11/18/08	2,030,000	NS	NS	NS	NS
			Freon-11 (µg/m^3)	NS	NS	11/18/08	1150	NS	NS	NS	NS
			H_2O (µg/m^3)	NS	NS	11/18/08	8,400,000	NS	NS	NS	NS
			PCE (µg/m^3)	NS	NS	11/18/08	13,800	NS	NS	NS	NS
			Pressure Differential (kPa)	8/6/08	-0.08	11/18/08	0.25	3/21/09	0[d]	5/21/09	-0.11[d]
			TCA (µg/m^3)	NS	NS	11/18/08	33,100	NS	NS	NS	NS
			TCE (µg/m^3)	NS	NS	11/18/08	9910	NS	NS	NS	NS
	140	130–150	CO_2 (µg/m^3)	8/6/08	6,340,000	11/18/08	6,790,000	3/21/09	9,860,000	5/21/09	7,790,000
			Freon-11 (µg/m^3)	8/6/08	9560	11/18/08	8650	3/21/09	7790	5/21/09	12,000
			H_2O (µg/m^3)	8/6/08	10,800,000	11/18/08	9,950,000	3/21/09	10,000,000	5/21/09	55.9[b]
			PCE (µg/m^3)	8/6/08	53,700	11/18/08	56,900	3/21/09	47,100	5/21/09	44,900
			Pressure Differential (kPa)	8/6/08	-0.09	11/18/08	0.24	3/21/09	-0.08	5/21/09	-0.09
			TCA (µg/m^3)	8/6/08	119,000	11/18/08	121,000	3/21/09	119,000	5/21/09	102,000
			TCE (µg/m^3)	8/6/08	27,500	11/18/08	35,100	3/21/09	21,300	5/21/09	27,500

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024	160	150–170	CO_2 (µg/m^3)	8/6/08	7,700,000	11/18/08	7,780,000	3/21/09	11,300,000	5/21/09	9,720,000
			Freon-11 (µg/m^3)	8/6/08	13,200	11/18/08	9510	3/21/09	10,100	5/21/09	17,200
			H_2O (µg/m^3)	8/6/08	13,100,000	11/18/08	11,400,000	3/21/09	11,100,000	5/21/09	60.2[b]
			PCE (µg/m^3)	8/6/08	75,100	11/18/08	7720	3/21/09	60,800	5/21/09	64,300
			Pressure Differential (kPa)	8/6/08	-0.15	11/18/08	0.23	3/21/09	-0.07	5/21/09	-0.08
			TCA (µg/m^3)	8/6/08	162,000	11/18/08	163,000	3/21/09	157,000	5/21/09	143,000
			TCE (µg/m^3)	8/6/08	36,800	11/18/08	47,400	3/21/09	28,200	5/21/09	39,700
	180	170–190	CO_2 (µg/m^3)	8/6/08	6,660,000	11/18/08	7,290,000	3/21/09	10,500,000	5/21/09	8,900,000
			Freon-11 (µg/m^3)	8/6/08	12,900	11/18/08	15,800	3/21/09	10,700	5/21/09	17,700
			H_2O (µg/m^3)	8/6/08	10,900,000	11/18/08	10,700,000	3/21/09	10,600,000	5/21/09	57[b]
			PCE (µg/m^3)	8/6/08	72,300	11/18/08	84,800	3/21/09	65,900	5/21/09	65,100
			Pressure Differential (kPa)	8/6/08	-0.21	11/18/08	0.22	3/21/09	-0.04	5/21/09	-0.03
			TCA (µg/m^3)	8/6/08	151,000	11/18/08	164,000	3/21/09	155,000	5/21/09	138,000
			TCE (µg/m^3)	8/6/08	33,800	11/18/08	38,700	3/21/09	28,000	5/21/09	39,900
	200	190–210	CO_2 (µg/m^3)	8/6/08	3,730,000	11/18/08	4,930,000	3/21/09	8,370,000	5/21/09	5,130,000
			Freon-11 (µg/m^3)	8/6/08	7270	11/18/08	7840	3/21/09	8870	5/21/09	8650
			H_2O (µg/m^3)	8/6/08	12,600,000	11/18/08	9,880,000	3/21/09	10,400,000	5/21/09	58.3[b]
			PCE (µg/m^3)	8/6/08	40,500	11/18/08	54,000	3/21/09	56,200	5/21/09	37,100
			Pressure Differential (kPa)	8/6/08	-0.23	11/18/08	0.18	3/21/09	-0.02	5/21/09	0.06
			TCA (µg/m^3)	8/6/08	78,200	11/18/08	111,000	3/21/09	124,000	5/21/09	75,200
			TCE (µg/m^3)	8/6/08	12,100	11/18/08	32,100	3/21/09	23,700	5/21/09	23,900
54-02025	Ambient	Ambient	CO_2 (µg/m^3)	8/13/08	589,000	11/20/08	761,000	3/20/09	896,000	5/18/09	773,000
			Freon-11 (µg/m^3)	8/13/08	-115	11/20/08	-229	3/20/09	237	5/18/09	-181

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02025	Ambient	Ambient	H_2O (µg/m^3)	8/13/08	8,840,000	11/20/08	5,190,000	3/20/09	5,600,000	5/18/09	42.4[b]
			PCE (µg/m^3)	8/13/08	-299	11/20/08	3920	3/20/09	4840	5/18/09	-330
			Pressure Differential (kPa)	8/13/08		11/20/08	0	3/20/09	0	5/18/09	0
			TCA (µg/m^3)	8/13/08	-223	11/20/08	-7980	3/20/09	1350	5/18/09	-3000
			TCE (µg/m^3)	8/13/08	820	11/20/08	4080	3/20/09	5090	5/18/09	-727
	20	20	CO_2 (µg/m^3)	8/13/08	10,000,000	11/20/08	8,860,000	3/20/09	12,000,000	5/18/09	12,000,000
			Freon-11 (µg/m^3)	8/13/08	11,100	11/20/08	10,500	3/20/09	9730	5/18/09	15,600
			H_2O (µg/m^3)	8/13/08	13,300,000	11/20/08	8,330,000	3/20/09	12,000,000	5/18/09	60.4[b]
			PCE (µg/m^3)	8/13/08	76,500	11/20/08	75,100	3/20/09	76,700	5/18/09	83,300
			Pressure Differential (kPa)	8/13/08	0.04	11/20/08	0	3/20/09	0	5/18/09	0.04
			TCA (µg/m^3)	8/13/08	256,000	11/20/08	206,000	3/20/09	214,000	5/18/09	233,000
			TCE (µg/m^3)	8/13/08	46,100	11/20/08	35,700	3/20/09	26,100	5/18/09	50,200
	60	60	CO_2 (µg/m^3)	8/13/08	5,720,000	11/20/08	2,650,000	3/20/09	2,570,000	5/18/09	4,910,000[c]
			Freon-11 (µg/m^3)	8/13/08	2080	11/20/08	1130	3/20/09	76	5/18/09	919[c]
			H_2O (µg/m^3)	8/13/08	23,100,000	11/20/08	7,590,000	3/20/09	7,720,000	5/18/09	57.2[b, c]
			PCE (µg/m^3)	8/13/08	9870	11/20/08	8340	3/20/09	4600	5/18/09	5230[c]
			Pressure Differential (kPa)	8/13/08	0.01	11/20/08	0.01	3/20/09	0	5/18/09	0[c]
			TCA (µg/m^3)	8/13/08	35,700	11/20/08	18,400	3/20/09	4040	5/18/09	13,500[c]
			TCE (µg/m^3)	8/13/08	4570	11/20/08	8950	3/20/09	3880	5/18/09	2410[c]
	100	100	CO_2 (µg/m^3)	8/13/08	10,300,000	11/20/08	9,850,000	3/20/09	14,500,000	5/18/09	12,900,000
			Freon-11 (µg/m^3)	8/13/08	25,500	11/20/08	23,400	3/20/09	18,200	5/18/09	31,200
			H_2O (µg/m^3)	8/13/08	12,800,000	11/20/08	9,430,000	3/20/09	12,700,000	5/18/09	61[b]
			PCE (µg/m^3)	8/13/08	152,000	11/20/08	154,000	3/20/09	121,000	5/18/09	126,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02025	100	100	Pressure Differential (kPa)	8/13/08	0.03	11/20/08	-0.13	3/20/09	0	5/18/09	0.02
			TCA (µg/m^3)	8/13/08	460,000	11/20/08	409,000	3/20/09	416,000	5/18/09	434,000
			TCE (µg/m^3)	8/13/08	88,400	11/20/08	82,500	3/20/09	65,200	5/18/09	102,000
	160	160	CO_2 (µg/m^3)	8/13/08	9,670,000	11/20/08	8,950,000	3/20/09	13,600,000	5/18/09	11,800,000
			Freon-11 (µg/m^3)	8/13/08	32,200	11/20/08	29,500	3/20/09	24,300	5/18/09	38,900
			H_2O (µg/m^3)	8/13/08	13,600,000	11/20/08	10,000,000	3/20/09	12,100,000	5/18/09	60.5[b]
			PCE (µg/m^3)	8/13/08	187,000	11/20/08	178,000	3/20/09	152,000	5/18/09	150,000
			Pressure Differential (kPa)	8/13/08	0.01	11/20/08	-0.09	3/20/09	-0.02	5/18/09	-0.12
			TCA (µg/m^3)	8/13/08	499,000	11/20/08	418,000	3/20/09	455,000	5/18/09	450,000
			TCE (µg/m^3)	8/13/08	97,000	11/20/08	82,000	3/20/09	71,200	5/18/09	106,000
	190	190	CO_2 (µg/m^3)	8/13/08	8,570,000	11/20/08	7,630,000	3/20/09	10,600,000	5/18/09	10,900,000
			Freon-11 (µg/m^3)	8/13/08	36,400	11/20/08	30,300	3/20/09	23,600	5/18/09	46,000
			H_2O (µg/m^3)	8/13/08	12,300,000	11/20/08	9,140,000	3/20/09	10,100,000	5/18/09	60.1[b]
			PCE (µg/m^3)	8/13/08	206,000	11/20/08	181,000	3/20/09	145,000	5/18/09	165,000
			Pressure Differential (kPa)	8/13/08	0.01	11/20/08	-0.07	3/20/09	-0.03	5/18/09	-0.18
			TCA (µg/m^3)	8/13/08	469,000	11/20/08	360,000	3/20/09	367,000	5/18/09	424,000
			TCE (µg/m^3)	8/13/08	98,600	11/20/08	73,900	3/20/09	62,100	5/18/09	108,000
54-02026	Ambient	Ambient	CO_2 (µg/m^3)	8/13/08	646,000	11/20/08	648,000	3/20/09	1,080,000	5/21/09	809,000
			Freon-11 (µg/m^3)	8/13/08	-57.3	11/20/08	-246	3/20/09	398	5/21/09	58
			H_2O (µg/m^3)	8/13/08	12,900,000	11/20/08	5,420,000	3/20/09	6,300,000	5/21/09	48.3[b]
			PCE (µg/m^3)	8/13/08	-97.3	11/20/08	-2090	3/20/09	1020	5/21/09	131
			Pressure Differential (kPa)	8/13/08	0	11/20/08	0	3/20/09	0	5/21/09	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02026	Ambient	Ambient	TCA (µg/m^3)	8/13/08	-3000	11/20/08	-3380	3/20/09	-2400	5/21/09	-2800
			TCE (µg/m^3)	8/13/08	745	11/20/08	1590	3/20/09	2310	5/21/09	-1800
	20	20	CO_2 (µg/m^3)	8/13/08	9,430,000	11/20/08	9,070,000	3/20/09	10,700,000	5/21/09	11,100,000
			Freon-11 (µg/m^3)	8/13/08	471	11/20/08	418	3/20/09	-339	5/21/09	-415
			H_2O (µg/m^3)	8/13/08	13,800,000	11/20/08	10,100,000	3/20/09	14,600,000	5/21/09	63.6[b]
			PCE (µg/m^3)	8/13/08	3600	11/20/08	3710	3/20/09	-1500	5/21/09	-996
			Pressure Differential (kPa)	8/13/08	0	11/20/08	0	3/20/09	0.02	5/21/09	0
			TCA (µg/m^3)	8/13/08	-7440	11/20/08	-19100	3/20/09	-20000	5/21/09	-1100
			TCE (µg/m^3)	8/13/08	3770	11/20/08	4430	3/20/09	-837	5/21/09	3220
	60	60	CO_2 (µg/m^3)	8/13/08	8,390,000	11/20/08	8,960,000	3/20/09	12,300,000	5/21/09	10,700,000
			Freon-11 (µg/m^3)	8/13/08	865	11/20/08	647	3/20/09	89	5/21/09	478
			H_2O (µg/m^3)	8/13/08	13,300,000	11/20/08	9,580,000	3/20/09	12,000,000	5/21/09	60.9[b]
			PCE (µg/m^3)	8/13/08	5100	11/20/08	7650	3/20/09	-14	5/21/09	3840
			Pressure Differential (kPa)	8/13/08	0	11/20/08	0	3/20/09	0.03	5/21/09	0.02
			TCA (µg/m^3)	8/13/08	5370	11/20/08	-16,000	3/20/09	-14,000	5/21/09	4450
			TCE (µg/m^3)	8/13/08	3960	11/20/08	5470	3/20/09	-135	5/21/09	2970
	100	100	CO_2 (µg/m^3)	8/13/08	7,720,000	11/20/08	7,870,000	3/20/09	11,500,000	5/21/09	10,200,000
			Freon-11 (µg/m^3)	8/13/08	847	11/20/08	870	3/20/09	391	5/21/09	1400
			H_2O (µg/m^3)	8/13/08	13,300,000	11/20/08	9,430,000	3/20/09	11,600,000	5/21/09	60.7[b]
			PCE (µg/m^3)	8/13/08	7440	11/20/08	8900	3/20/09	3620	5/21/09	4670
			Pressure Differential (kPa)	8/13/08	-0.03	11/20/08	0	3/20/09	0	5/21/09	0
			TCA (µg/m^3)	8/13/08	12,400	11/20/08	-10,600	3/20/09	-5200	5/21/09	12,400
			TCE (µg/m^3)	8/13/08	5680	11/20/08	6320	3/20/09	-67	5/21/09	306

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02026	160	160	CO_2 (µg/m^3)	8/13/08	6,500,000	11/20/08	6,520,000	3/20/09	9,320,000	5/21/09	8,420,000
			Freon-11 (µg/m^3)	8/13/08	1800	11/20/08	1800	3/20/09	1110	5/21/09	2420
			H_2O (µg/m^3)	8/13/08	13,400,000	11/20/08	8,770,000	3/20/09	11,300,000	5/21/09	60.6[b]
			PCE (µg/m^3)	8/13/08	10,600	11/20/08	12,400	3/20/09	6900	5/21/09	8410
			Pressure Differential (kPa)	8/13/08	-0.04	11/20/08	-0.02	3/20/09	0.03	5/21/09	0.05
			TCA (µg/m^3)	8/13/08	18,400	11/20/08	-5110	3/20/09	6190	5/21/09	11,400
			TCE (µg/m^3)	8/13/08	5730	11/20/08	5680	3/20/09	535	5/21/09	3540
	200	200	CO_2 (µg/m^3)	8/13/08	6,100,000	11/20/08	6,050,000	3/20/09	8,930,000	5/21/09	8,140,000
			Freon-11 (µg/m^3)	8/13/08	1780	11/20/08	1410	3/20/09	937	5/21/09	2290
			H_2O (µg/m^3)	8/13/08	13,300,000	11/20/08	8,400,000	3/20/09	11,600,000	5/21/09	60.9[b]
			PCE (µg/m^3)	8/13/08	11,300	11/20/08	11,500	3/20/09	7340	5/21/09	8090
			Pressure Differential (kPa)	8/13/08	-0.03	11/20/08	-0.02	3/20/09	0.02	5/21/09	0.06
			TCA (µg/m^3)	8/13/08	15,800	11/20/08	-4000	3/20/09	5790	5/21/09	12,900
			TCE (µg/m^3)	8/13/08	5890	11/20/08	6220	3/20/09	1700	5/21/09	4510
	215	215	CO_2 (µg/m^3)	8/13/08	5,330,000	11/20/08	4,910,000	3/20/09	7,850,000	5/21/09	7,010,000
			Freon-11 (µg/m^3)	8/13/08	1690	11/20/08	1070	3/20/09	874	5/21/09	1560
			H_2O (µg/m^3)	8/13/08	13,500,000	11/20/08	7,890,000	3/20/09	11,900,000	5/21/09	61.4[b]
			PCE (µg/m^3)	8/13/08	9320	11/20/08	11,100	3/20/09	7820	5/21/09	7510
			Pressure Differential (kPa)	8/13/08	0	11/20/08	0	3/20/09	0	5/21/09	0.07
			TCA (µg/m^3)	8/13/08	12,600	11/20/08	-6910	3/20/09	6610	5/21/09	10,200
			TCE (µg/m^3)	8/13/08	4550	11/20/08	5840	3/20/09	1560	5/21/09	4030
54-02027	Ambient	Ambient	CO_2 (µg/m^3)	8/14/08	599,000	11/20/08	607,000	3/20/09	879,000	5/20/09	764,000
			Freon-11 (µg/m^3)	8/14/08	349	11/20/08	1950	3/20/09	95	5/20/09	108

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027	Ambient	Ambient	H_2O (µg/m^3)	8/14/08	11,700,000	11/20/08	5,510,000	3/20/09	4,860,000	5/20/09	44.2[b]
			PCE (µg/m^3)	8/14/08	1160	11/20/08	-1000	3/20/09	2680	5/20/09	444
			Pressure Differential (kPa)	8/14/08	0	11/20/08	0	3/20/09	0	5/20/09	0
			TCA (µg/m^3)	8/14/08	-904	11/20/08	-2030	3/20/09	432	5/20/09	-3100
			TCE (µg/m^3)	8/14/08	-1450	11/20/08	6540	3/20/09	121,000	5/20/09	-24000
	20	20	CO_2 (µg/m^3)	8/14/08	8,710,000	11/20/08	8,060,000	3/20/09	10,400,000	5/20/09	10,300,000
			Freon-11 (µg/m^3)	8/14/08	1760	11/20/08	1150	3/20/09	713	5/20/09	2180
			H_2O (µg/m^3)	8/14/08	12,600,000	11/20/08	10,700,000	3/20/09	10,600,000	5/20/09	58.6[b]
			PCE (µg/m^3)	8/14/08	13,800	11/20/08	8830	3/20/09	4170	5/20/09	9450
			Pressure Differential (kPa)	8/14/08	0	11/20/08	0	3/20/09	0.08	5/20/09	0.07
			TCA (µg/m^3)	8/14/08	19,100	11/20/08	4830	3/20/09	16,300	5/20/09	14,800
			TCE (µg/m^3)	8/14/08	7880	11/20/08	10,100	3/20/09	3300	5/20/09	3670
	60	60	CO_2 (µg/m^3)	8/14/08	7,880,000	11/20/08	7,960,000	3/20/09	11,200,000	5/20/09	9,950,000
			Freon-11 (µg/m^3)	8/14/08	4160	11/20/08	3350	3/20/09	2810	5/20/09	5270
			H_2O (µg/m^3)	8/14/08	12,800,000	11/20/08	10,600,000	3/20/09	10,900,000	5/20/09	59.2[b]
			PCE (µg/m^3)	8/14/08	27,500	11/20/08	28,200	3/20/09	18,600	5/20/09	22,600
			Pressure Differential (kPa)	8/14/08	0	11/20/08	-0.01	3/20/09	0.11	5/20/09	0.12
			TCA (µg/m^3)	8/14/08	55,300	11/20/08	37,300	3/20/09	48,900	5/20/09	50,400
			TCE (µg/m^3)	8/14/08	14,400	11/20/08	17,000	3/20/09	7940	5/20/09	12,800
	100	100	CO_2 (µg/m^3)	8/14/08	7,270,000	11/20/08	7,330,000	3/20/09	11,000,000	5/20/09	9,680,000
			Freon-11 (µg/m^3)	8/14/08	5730	11/20/08	5390	3/20/09	4140	5/20/09	7820
			H_2O (µg/m^3)	8/14/08	12,800,000	11/20/08	10,700,000	3/20/09	10,700,000	5/20/09	59.5[b]
			PCE (µg/m^3)	8/14/08	35,300	11/20/08	37,200	3/20/09	27,300	5/20/09	29,900

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027	100	100	Pressure Differential (kPa)	8/14/08	-0.4	11/20/08	-0.1	3/20/09	0.13	5/20/09	0.19
			TCA (µg/m^3)	8/14/08	73,900	11/20/08	58,000	3/20/09	67,000	5/20/09	68,900
			TCE (µg/m^3)	8/14/08	17,200	11/20/08	15,400	3/20/09	11,300	5/20/09	18,300
	160	160	CO_2 (µg/m^3)	8/14/08	6,660,000	11/20/08	6,730,000	3/20/09	9,620,000	5/20/09	8,850,000
			Freon-11 (µg/m^3)	8/14/08	8420	11/20/08	8300	3/20/09	5980	5/20/09	11,300
			H_2O (µg/m^3)	8/14/08	12,700,000	11/20/08	10,700,000	3/20/09	10,700,000	5/20/09	59.7[b]
			PCE (µg/m^3)	8/14/08	51,000	11/20/08	51,100	3/20/09	39,700	5/20/09	43,000
			Pressure Differential (kPa)	8/14/08	-0.8	11/20/08	-0.08	3/20/09	0.11	5/20/09	0.25
			TCA (µg/m^3)	8/14/08	92,500	11/20/08	79,200	3/20/09	82,800	5/20/09	87,100
			TCE (µg/m^3)	8/14/08	17,600	11/20/08	19,900	3/20/09	12,800	5/20/09	21,100
	200	200	CO_2 (µg/m^3)	8/14/08	5,670,000	11/20/08	3,400,000	3/20/09	8,570,000	5/20/09	7,790,000
			Freon-11 (µg/m^3)	8/14/08	8020	11/20/08	3620	3/20/09	5650	5/20/09	10,600
			H_2O (µg/m^3)	8/14/08	12,700,000	11/20/08	9,510,000	3/20/09	10,800,000	5/20/09	59.5[b]
			PCE (µg/m^3)	8/14/08	47,100	11/20/08	28,600	3/20/09	39,900	5/20/09	40,600
			Pressure Differential (kPa)	8/14/08	-0.7	11/20/08	-0.06	3/20/09	0.12	5/20/09	0.28
			TCA (µg/m^3)	8/14/08	76,000	11/20/08	33,700	3/20/09	69,600	5/20/09	70,700
			TCE (µg/m^3)	8/14/08	13,400	11/20/08	12,300	3/20/09	11,100	5/20/09	20,000
	220	220	CO_2 (µg/m^3)	8/14/08	5,800,000	11/20/08	5,490,000	3/20/09	8,550,000	5/20/09	7,670,000
			Freon-11 (µg/m^3)	8/14/08	7500	11/20/08	6870	3/20/09	5680	5/20/09	9870
			H_2O (µg/m^3)	8/14/08	12,500,000	11/20/08	10,500,000	3/20/09	10,900,000	5/20/09	59.9[b]
			PCE (µg/m^3)	8/14/08	46,900	11/20/08	44,800	3/20/09	31,100	5/20/09	41,500
			Pressure Differential (kPa)	8/14/08	-0.9	11/20/08	-0.06	3/20/09	0.12	5/20/09	0.22

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027	220	220	TCA (µg/m^3)	8/14/08	70,200	11/20/08	45,700	3/20/09	63,500	5/20/09	65,400
			TCE (µg/m^3)	8/14/08	15,900	11/20/08	13,000	3/20/09	11,000	5/20/09	19,700
	250	250	CO_2 (µg/m^3)	8/14/08	5,380,000	11/20/08	1,910,000	3/20/09	3,710,000	5/20/09	3,480,000
			Freon-11 (µg/m^3)	8/14/08	6760	11/20/08	1130	3/20/09	2020	5/20/09	3470
			H_2O (µg/m^3)	8/14/08	12,500,000	11/20/08	8,920,000	3/20/09	8,720,000	5/20/09	56[b]
			PCE (µg/m^3)	8/14/08	39,800	11/20/08	9870	3/20/09	14,500	5/20/09	14,900
			Pressure Differential (kPa)	8/14/08	-0.9	11/20/08	-0.07	3/20/09	0.09	5/20/09	0.21
			TCA (µg/m^3)	8/14/08	49,600	11/20/08	8130	3/20/09	18,100	5/20/09	17,700
			TCE (µg/m^3)	8/14/08	11,600	11/20/08	7500	3/20/09	4650	5/20/09	6010
54-02028	Ambient	Ambient	CO_2 (µg/m^3)	8/14/08	677,000	11/26/08	592,000	3/21/09	1,060,000	5/21/09	1,160,000
			Freon-11 (µg/m^3)	8/14/08	115	11/26/08	-172	3/21/09	41	5/21/09	-737
			H_2O (µg/m^3)	8/14/08	12,900,000	11/26/08	2,640,000	3/21/09	6,180,000	5/21/09	50.8[b]
			PCE (µg/m^3)	8/14/08	405	11/26/08	841	3/21/09	3340	5/21/09	879
			Pressure Differential (kPa)	8/14/08	0	11/26/08	0	3/21/09	0	5/21/09	0
			TCA (µg/m^3)	8/14/08	-2920	11/26/08	-1120	3/21/09	-2600	5/21/09	-1200
			TCE (µg/m^3)	8/14/08	-777	11/26/08	2060	3/21/09	1910	5/21/09	-847
	20	20	CO_2 (µg/m^3)	8/14/08	6,550,000	11/26/08	5,200,000	3/21/09	7,420,000	5/21/09	7,670,000
			Freon-11 (µg/m^3)	8/14/08	607	11/26/08	292	3/21/09	-150	5/21/09	227
			H_2O (µg/m^3)	8/14/08	13,500,000	11/26/08	6,680,000	3/21/09	11,700,000	5/21/09	59.3[b]
			PCE (µg/m^3)	8/14/08	2730	11/26/08	3710	3/21/09	1330	5/21/09	1780
			Pressure Differential (kPa)	8/14/08	0.03	11/26/08	0	3/21/09	0.02	5/21/09	-0.04
			TCA (µg/m^3)	8/14/08	-7980	11/26/08	-9570	3/21/09	-2800	5/21/09	3460
			TCE (µg/m^3)	8/14/08	3690	11/26/08	4000	3/21/09	2910	5/21/09	1680

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02028	60	60	CO_2 (µg/m^3)	8/14/08	6,050,000	11/26/08	6,160,000	3/21/09	8,440,000	5/21/09	7,730,000
			Freon-11 (µg/m^3)	8/14/08	1010	11/26/08	378	3/21/09	231	5/21/09	1130
			H_2O (µg/m^3)	8/14/08	13,400,000	11/26/08	7,330,000	3/21/09	10,900,000	5/21/09	59.5[b]
			PCE (µg/m^3)	8/14/08	5760	11/26/08	4740	3/21/09	2050	5/21/09	3480
			Pressure Differential (kPa)	8/14/08	0.05	11/26/08	0	3/21/09	0.03	5/21/09	0
			TCA (µg/m^3)	8/14/08	-383	11/26/08	-4930	3/21/09	2730	5/21/09	9090
			TCE (µg/m^3)	8/14/08	4540	11/26/08	7390	3/21/09	2720	5/21/09	2200
	100	100	CO_2 (µg/m^3)	8/14/08	5,800,000	11/26/08	5,870,000	3/21/09	8,460,000	5/21/09	7,640,000
			Freon-11 (µg/m^3)	8/14/08	1570	11/26/08	899	3/21/09	525	5/21/09	175
			H_2O (µg/m^3)	8/14/08	13,400,000	11/26/08	9,210,000	3/21/09	11,000,000	5/21/09	59.9[b]
			PCE (µg/m^3)	8/14/08	8760	11/26/08	9040	3/21/09	3970	5/21/09	3800
			Pressure Differential (kPa)	8/14/08	0.05	11/26/08	0.01	3/21/09	0.02	5/21/09	0.03
			TCA (µg/m^3)	8/14/08	3860	11/26/08	-3310	3/21/09	6460	5/21/09	10,500
			TCE (µg/m^3)	8/14/08	3610	11/26/08	7180	3/21/09	2960	5/21/09	7660
	160	160	CO_2 (µg/m^3)	8/14/08	3,830,000	11/26/08	5,270,000	3/21/09	7,490,000	5/21/09	6,850,000
			Freon-11 (µg/m^3)	8/14/08	1950	11/26/08	1470	3/21/09	1180	5/21/09	1740
			H_2O (µg/m^3)	8/14/08	13,500,000	11/26/08	8,400,000	3/21/09	10,800,000	5/21/09	59.7[b]
			PCE (µg/m^3)	8/14/08	3950	11/26/08	14,000	3/21/09	8590	5/21/09	11,300
			Pressure Differential (kPa)	8/14/08	0	11/26/08	0.12	3/21/09	0.02	5/21/09	0.08
			TCA (µg/m^3)	8/14/08	5050	11/26/08	2020	3/21/09	12,700	5/21/09	14,400
			TCE (µg/m^3)	8/14/08	2450	11/26/08	8360	3/21/09	2950	5/21/09	4850
	200	200	CO_2 (µg/m^3)	8/14/08	4,630,000	11/26/08	4,700,000	3/21/09	6,410,000	5/21/09	6,070,000
			Freon-11 (µg/m^3)	8/14/08	2570	11/26/08	1740	3/21/09	1170	5/21/09	2970

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02028	200	200	H_2O (µg/m^3)	8/14/08	13,300,000	11/26/08	8,400,000	3/21/09	10,300,000	5/21/09	59.4[b]
			PCE (µg/m^3)	8/14/08	12,900	11/26/08	12,700	3/21/09	8500	5/21/09	11,100
			Pressure Differential (kPa)	8/14/08	0	11/26/08	0.16	3/21/09	0.03	5/21/09	0.1
			TCA (µg/m^3)	8/14/08	8190	11/26/08	-813	3/21/09	12,100	5/21/09	9800
			TCE (µg/m^3)	8/14/08	3020	11/26/08	6380	3/21/09	3100	5/21/09	4850
	220	220	CO_2 (µg/m^3)	8/14/08	4,750,000	11/26/08	4,790,000	3/21/09	6,740,000	5/21/09	6,330,000
			Freon-11 (µg/m^3)	8/14/08	1990	11/26/08	1910	3/21/09	1130	5/21/09	4810
			H_2O (µg/m^3)	8/14/08	13,200,000	11/26/08	8,480,000	3/21/09	10,800,000	5/21/09	60.5[b]
			PCE (µg/m^3)	8/14/08	13,100	11/26/08	15,200	3/21/09	9400	5/21/09	14,600
			Pressure Differential (kPa)	8/14/08	0	11/26/08	0.18	3/21/09	0.04	5/21/09	0.12
			TCA (µg/m^3)	8/14/08	10,400	11/26/08	-356	3/21/09	12,700	5/21/09	12,900
			TCE (µg/m^3)	8/14/08	4600	11/26/08	5360	3/21/09	3430	5/21/09	-1100
	250	250	CO_2 (µg/m^3)	8/14/08	4,160,000	11/26/08	4,300,000	3/21/09	6,030,000	5/21/09	5,570,000
			Freon-11 (µg/m^3)	8/14/08	1590	11/26/08	1690	3/21/09	1020	5/21/09	2550
			H_2O (µg/m^3)	8/14/08	14,100,000	11/26/08	8,480,000	3/21/09	10,800,000	5/21/09	60.7[b]
			PCE (µg/m^3)	8/14/08	6200	11/26/08	11,500	3/21/09	8070	5/21/09	7970
			Pressure Differential (kPa)	8/14/08	0	11/26/08	0.18	3/21/09	0.04	5/21/09	0.1
			TCA (µg/m^3)	8/14/08	5850	11/26/08	-2350	3/21/09	11,400	5/21/09	5300
			TCE (µg/m^3)	8/14/08	4370	11/26/08	5060	3/21/09	2580	5/21/09	2720
54-02031	Ambient	Ambient	CO_2 (µg/m^3)	8/27/08	18,200,000	11/12/08	18,500,000	3/12/09	1,250,000	5/7/09	787,000
			Freon-11 (µg/m^3)	8/27/08	1320	11/12/08	1790	3/12/09	-98	5/7/09	-261
			H_2O (µg/m^3)	8/27/08	14,600,000	11/12/08	13,000,000	3/12/09	3,580,000	5/7/09	32.5[b]
			PCE (µg/m^3)	8/27/08	14,600	11/12/08	20,900	3/12/09	3110	5/7/09	-457

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031	Ambient	Ambient	Pressure Differential (kPa)	8/27/08	0	11/12/08	0	3/12/09	0	5/7/09	0
			TCA (µg/m^3)	8/27/08	56,900	11/12/08	54,800	3/12/09	-5100	5/7/09	-673
			TCE (µg/m^3)	8/27/08	20,700	11/12/08	20,100	3/12/09	3340	5/7/09	1330
	20	20	CO_2 (µg/m^3)	8/27/08	18,200,000	11/12/08	18,500,000	3/12/09	21,500,000	5/7/09	17,500,000
			Freon-11 (µg/m^3)	8/27/08	1320	11/12/08	1790	3/12/09	165	5/7/09	878
			H_2O (µg/m^3)	8/27/08	14,600,000	11/12/08	13,000,000	3/12/09	8,280,000	5/7/09	60.8[b]
			PCE (µg/m^3)	8/27/08	14,600	11/12/08	20,900	3/12/09	2970	5/7/09	7840
			Pressure Differential (kPa)	8/27/08	0	11/12/08	0	3/12/09	0	5/7/09	0
			TCA (µg/m^3)	8/27/08	56,900	11/12/08	54,800	3/12/09	-25000	5/7/09	56,500
			TCE (µg/m^3)	8/27/08	20,700	11/12/08	20,100	3/12/09	9170	5/7/09	17,400
	60	60	CO_2 (µg/m^3)	8/27/08	11,100,000	11/12/08	11,900,000	3/12/09	18,000,000	5/7/09	14,600,000
			Freon-11 (µg/m^3)	8/27/08	2350	11/12/08	3870	3/12/09	1810	5/7/09	2890
			H_2O (µg/m^3)	8/27/08	14,500,000	11/12/08	12,200,000	3/12/09	13,200,000	5/7/09	60.7[b]
			PCE (µg/m^3)	8/27/08	25,200	11/12/08	30,700	3/12/09	18,100	5/7/09	21,100
			Pressure Differential (kPa)	8/27/08	0	11/12/08	-0.01	3/12/09	0	5/7/09	-0.02
			TCA (µg/m^3)	8/27/08	116,000	11/12/08	107,000	3/12/09	48,800	5/7/09	119,000
			TCE (µg/m^3)	8/27/08	35,600	11/12/08	30,100	3/12/09	24,000	5/7/09	34,800
	100	100	CO_2 (µg/m^3)	8/27/08	9,720,000	11/12/08	9,520,000	3/12/09	14,900,000	5/7/09	12,300,000
			Freon-11 (µg/m^3)	8/27/08	5160	11/12/08	4490	3/12/09	3360	5/7/09	5360
			H_2O (µg/m^3)	8/27/08	14,400,000	11/12/08	12,000,000	3/12/09	12,400,000	5/7/09	60.7[b]
			PCE (µg/m^3)	8/27/08	40,200	11/12/08	46,500	3/12/09	30,300	5/7/09	29,600
			Pressure Differential (kPa)	8/27/08	-0.02	11/12/08	-0.4	3/12/09	-0.05	5/7/09	-0.06

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031	100	100	TCA (µg/m^3)	8/27/08	172,000	11/12/08	157,000	3/12/09	134,000	5/7/09	172,000
			TCE (µg/m^3)	8/27/08	41,700	11/12/08	39,000	3/12/09	35,500	5/7/09	48,500
	160	160	CO_2 (µg/m^3)	8/27/08	8,620,000	11/12/08	8,600,000	3/12/09	13,600,000	5/7/09	11,200,000
			Freon-11 (µg/m^3)	8/27/08	6240	11/12/08	5560	3/12/09	4280	5/7/09	7330
			H_2O (µg/m^3)	8/27/08	14,700,000	11/12/08	11,700,000	3/12/09	11,800,000	5/7/09	61[b]
			PCE (µg/m^3)	8/27/08	48,000	11/12/08	48,100	3/12/09	40,300	5/7/09	38,700
			Pressure Differential (kPa)	8/27/08	0	11/12/08	-0.07	3/12/09	0	5/7/09	0
			TCA (µg/m^3)	8/27/08	170,000	11/12/08	159,000	3/12/09	152,000	5/7/09	183,000
			TCE (µg/m^3)	8/27/08	41,800	11/12/08	50,600	3/12/09	38,600	5/7/09	52,800
	200	200	CO_2 (µg/m^3)	8/27/08	8,050,000	11/12/08	7,970,000	3/12/09	11,900,000	5/7/09	10,300,000
			Freon-11 (µg/m^3)	8/27/08	6530	11/12/08	6930	3/12/09	4500	5/7/09	8740
			H_2O (µg/m^3)	8/27/08	14,600,000	11/12/08	11,700,000	3/12/09	11,800,000	5/7/09	60.9[b]
			PCE (µg/m^3)	8/27/08	46,300	11/12/08	51,900	3/12/09	38,900	5/7/09	40,700
			Pressure Differential (kPa)	8/27/08	0	11/12/08	-0.1	3/12/09	-0.21	5/7/09	-0.14
			TCA (µg/m^3)	8/27/08	149,000	11/12/08	130,000	3/12/09	118,000	5/7/09	152,000
			TCE (µg/m^3)	8/27/08	39,200	11/12/08	35,300	3/12/09	33,100	5/7/09	44,500
	220	220	CO_2 (µg/m^3)	8/27/08	1,510,000	11/12/08	1,870,000	NS	NS	NS	NS
			Freon-11 (µg/m^3)	8/27/08	796	11/12/08	1270	NS	NS	NS	NS
			H_2O (µg/m^3)	8/27/08	12,600,000	11/12/08	9,290,000	NS	NS	NS	NS
			PCE (µg/m^3)	8/27/08	4030	11/12/08	9600	NS	NS	NS	NS
			Pressure Differential (kPa)	8/27/08	0	11/12/08	0	3/12/09	-0.1[d]	5/7/09	-0.05[d]
			TCA (µg/m^3)	8/27/08	11,100	11/12/08	17,600	NS	NS	NS	NS
			TCE (µg/m^3)	8/27/08	4250	11/12/08	5950	NS	NS	NS	NS

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031	260	260	CO_2 (µg/m^3)	8/27/08	5,220,000	11/12/08	4,790,000	3/12/09	8,940,000	5/7/09	7,120,000
			Freon-11 (µg/m^3)	8/27/08	4550	11/12/08	3090	3/12/09	3380	5/7/09	4650
			H_2O (µg/m^3)	8/27/08	13,300,000	11/12/08	10,800,000	3/12/09	10,700,000	5/7/09	57.4[b]
			PCE (µg/m^3)	8/27/08	28,100	11/12/08	30,200	3/12/09	30,200	5/7/09	28,200
			Pressure Differential (kPa)	8/27/08	0	11/12/08	-0.08	3/12/09	-0.19	5/7/09	-0.1
			TCA (µg/m^3)	8/27/08	71,800	11/12/08	64,300	3/12/09	68,100	5/7/09	82,800
			TCE (µg/m^3)	8/27/08	2,060,000	11/12/08	23,600	3/12/09	17,700	5/7/09	24,800
54-02034	Ambient	Ambient	CO_2 (µg/m^3)	8/29/08	571,000	11/13/08	724,000	3/10/09	1,010,000	5/4/09	894,000
			Freon-11 (µg/m^3)	8/29/08	-546	11/13/08	853	3/10/09	148	5/4/09	-426
			H_2O (µg/m^3)	8/29/08	11,900,000	11/13/08	4,660,000	3/10/09	5,180,000	5/4/09	46.6[b]
			PCE (µg/m^3)	8/29/08	1880	11/13/08	-6.95	3/10/09	4190	5/4/09	219
			Pressure Differential (kPa)	8/29/08	0	11/13/08	0	3/10/09	0	5/4/09	0
			TCA (µg/m^3)	8/29/08	-1300	11/13/08	3250	3/10/09	-2700	5/4/09	-2100
			TCE (µg/m^3)	8/29/08	841	11/13/08	-26.8	3/10/09	2400	5/4/09	-717
	20	20	CO_2 (µg/m^3)	8/29/08	19,600,000	11/13/08	22,000,000	3/10/09	28,900,000	5/4/09	23,200,000
			Freon-11 (µg/m^3)	8/29/08	-275	11/13/08	-601	3/10/09	-1800	5/4/09	-1100
			H_2O (µg/m^3)	8/29/08	14,100,000	11/13/08	11,400,000	3/10/09	12,200,000	5/4/09	61.3[b]
			PCE (µg/m^3)	8/29/08	1630	11/13/08	1960	3/10/09	-14000	5/4/09	-1700
			Pressure Differential (kPa)	8/29/08	-0.06	11/13/08	0	3/10/09	-0.02	5/4/09	0
			TCA (µg/m^3)	8/29/08	20,800	11/13/08	12,100	3/10/09	-41000	5/4/09	9180
			TCE (µg/m^3)	8/29/08	8360	11/13/08	12,700	3/10/09	-1900	5/4/09	6660
	60	60	CO_2 (µg/m^3)	8/29/08	13,400,000	11/13/08	13,700,000	3/10/09	21,300,000	5/4/09	23,300,000
			Freon-11 (µg/m^3)	8/29/08	-333	11/13/08	281	3/10/09	-1100	5/4/09	-1000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034	60	60	H_2O (µg/m^3)	8/29/08	13,900,000	11/13/08	12,500,000	3/10/09	13,500,000	5/4/09	61.9[b]
			PCE (µg/m^3)	8/29/08	3640	11/13/08	4520	3/10/09	-8200	5/4/09	-3400
			Pressure Differential (kPa)	8/29/08	-0.16	11/13/08	0	3/10/09	-0.08	5/4/09	0.03
			TCA (µg/m^3)	8/29/08	43,200	11/13/08	23,600	3/10/09	-10000	5/4/09	11,800
			TCE (µg/m^3)	8/29/08	12,100	11/13/08	14,600	3/10/09	3700	5/4/09	6640
	100	100	CO_2 (µg/m^3)	8/29/08	11,700,000	11/13/08	11,900,000	3/10/09	17,400,000	5/4/09	15,700,000
			Freon-11 (µg/m^3)	8/29/08	350	11/13/08	681	3/10/09	-668	5/4/09	-1200
			H_2O (µg/m^3)	8/29/08	13,600,000	11/13/08	12,500,000	3/10/09	10,000,000	5/4/09	62.2[b]
			PCE (µg/m^3)	8/29/08	3460	11/13/08	5260	3/10/09	-5600	5/4/09	781
			Pressure Differential (kPa)	8/29/08	-0.27	11/13/08	0.1	3/10/09	-0.15	5/4/09	0.05
			TCA (µg/m^3)	8/29/08	53,100	11/13/08	40,000	3/10/09	8300	5/4/09	41,200
			TCE (µg/m^3)	8/29/08	13,800	11/13/08	14,900	3/10/09	6080	5/4/09	14,500
	160	160	CO_2 (µg/m^3)	8/29/08	8,870,000	11/13/08	9,290,000	3/10/09	14,200,000	5/4/09	11,800,000
			Freon-11 (µg/m^3)	8/29/08	68.7	11/13/08	-34.4	3/10/09	-347	5/4/09	-725
			H_2O (µg/m^3)	8/29/08	14,000,000	11/13/08	11,700,000	3/10/09	13,100,000	5/4/09	61.9[b]
			PCE (µg/m^3)	8/29/08	3710	11/13/08	3490	3/10/09	-1400	5/4/09	1610
			Pressure Differential (kPa)	8/29/08	-0.3	11/13/08	0.1	3/10/09	0	5/4/09	0.08
			TCA (µg/m^3)	8/29/08	38,500	11/13/08	18,300	3/10/09	5970	5/4/09	23,200
			TCE (µg/m^3)	8/29/08	8890	11/13/08	12,800	3/10/09	4350	5/4/09	12,400
	200	200	CO_2 (µg/m^3)	8/29/08	7,490,000	11/13/08	8,050,000	3/10/09	12,200,000	5/4/09	10,500,000
			Freon-11 (µg/m^3)	8/29/08	478	11/13/08	240	3/10/09	-309	5/4/09	1370
			H_2O (µg/m^3)	8/29/08	12,900,000	11/13/08	11,700,000	3/10/09	12,800,000	5/4/09	61.9[b]
			PCE (µg/m^3)	8/29/08	4300	11/13/08	7300	3/10/09	559	5/4/09	3810

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034	200	200	Pressure Differential (kPa)	8/29/08	-0.29	11/13/08	0	3/10/09	0.03	5/4/09	0.07
			TCA (µg/m^3)	8/29/08	25,700	11/13/08	10,700	3/10/09	115	5/4/09	15,200
			TCE (µg/m^3)	8/29/08	6970	11/13/08	8730	3/10/09	2640	5/4/09	4840
	220	220	CO_2 (µg/m^3)	8/29/08	7,070,000	11/13/08	7,330,000	3/10/09	11,300,000	5/4/09	98,600,000
			Freon-11 (µg/m^3)	8/29/08	613	11/13/08	418	3/10/09	-166	5/4/09	-35
			H_2O (µg/m^3)	8/29/08	14,000,000	11/13/08	11,800,000	3/10/09	12,300,000	5/4/09	62.2[b]
			PCE (µg/m^3)	8/29/08	2740	11/13/08	3110	3/10/09	1790	5/4/09	2120
			Pressure Differential (kPa)	8/29/08	-0.31	11/13/08	0	3/10/09	0.04	5/4/09	0.08
			TCA (µg/m^3)	8/29/08	20,700	11/13/08	6010	3/10/09	-2100	5/4/09	13,200
			TCE (µg/m^3)	8/29/08	5130	11/13/08	7070	3/10/09	1770	5/4/09	3370
	260	260	CO_2 (µg/m^3)	8/29/08	5,110,000	11/13/08	5,440,000	3/10/09	8,330,000	5/4/09	67,500,000
			Freon-11 (µg/m^3)	8/29/08	-4720	11/13/08	-223	3/10/09	-393	5/4/09	95.7
			H_2O (µg/m^3)	8/29/08	13,900,000	11/13/08	11,700,000	3/10/09	13,200,000	5/4/09	61.3[b]
			PCE (µg/m^3)	8/29/08	-168	11/13/08	980	3/10/09	-1600	5/4/09	5500
			Pressure Differential (kPa)	8/29/08	-0.31	11/13/08	0	3/10/09	0	5/4/09	0.07
			TCA (µg/m^3)	8/29/08	4680	11/13/08	-7440	3/10/09	-17000	5/4/09	-5500
			TCE (µg/m^3)	8/29/08	1960	11/13/08	2930	3/10/09	1130	5/4/09	726
	300	300	CO_2 (µg/m^3)	8/29/08	3,290,000	11/13/08	3,550,000	3/10/09	5,500,000	5/4/09	14,700,000
			Freon-11 (µg/m^3)	8/29/08	-166	11/13/08	-762	3/10/09	-741	5/4/09	64.4
			H_2O (µg/m^3)	8/29/08	13,600,000	11/13/08	13,100,000	3/10/09	13,500,000	5/4/09	44[b]
			PCE (µg/m^3)	8/29/08	-174	11/13/08	-1400	3/10/09	-123	5/4/09	-280
			Pressure Differential (kPa)	8/29/08	-0.29	11/13/08	0.1	3/10/09	0.06	5/4/09	0.09

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034	300	300	TCA (µg/m^3)	8/29/08	-569	11/13/08	-10100	3/10/09	-14000	5/4/09	-5700
			TCE (µg/m^3)	8/29/08	2230	11/13/08	2860	3/10/09	3250	5/4/09	-1400
54-02089	Ambient	Ambient	CO_2 (µg/m^3)	8/21/08	612,000	11/7/08	655,000	3/16/09	1,670,000	5/6/09	792,000
			Freon-11 (µg/m^3)	8/21/08	539	11/7/08	355	3/16/09	391	5/6/09	-273
			H_2O (µg/m^3)	8/21/08	9,360,000	11/7/08	2,030,000	3/16/09	5,820,000	5/6/09	32.7[b]
			PCE (µg/m^3)	8/21/08	478	11/7/08	2650	3/16/09	6710	5/6/09	453
			Pressure Differential (kPa)	8/21/08	0	11/7/08	0	3/16/09	0	5/6/09	0
			TCA (µg/m^3)	8/21/08	2230	11/7/08	-1690	3/16/09	-7100	5/6/09	-5500
			TCE (µg/m^3)	8/21/08	1530	11/7/08	2300	3/16/09	3510	5/6/09	-1300
	13	13	CO_2 (µg/m^3)	8/21/08	38,900,000	11/7/08	40,700,000	3/16/09	55,000,000	5/6/09	44,500,000
			Freon-11 (µg/m^3)	8/21/08	65,800	11/7/08	78,400	3/16/09	45,400	5/6/09	82,300
			H_2O (µg/m^3)	8/21/08	17,500,000	11/7/08	8,400,000	3/16/09	12,100,000	5/6/09	64.5[b]
			PCE (µg/m^3)	8/21/08	600,000	11/7/08	716,000	3/16/09	414,000	5/6/09	543,000
			Pressure Differential (kPa)	8/21/08	0	11/7/08	0.01	3/16/09	0	5/6/09	-0.03
			TCA (µg/m^3)	8/21/08	1,670,000	11/7/08	1,880,000	3/16/09	1,550,000	5/6/09	1610
			TCE (µg/m^3)	8/21/08	557,000	11/7/08	632,000	3/16/09	528,000	5/6/09	697,000
	31	31	CO_2 (µg/m^3)	8/21/08	38,900,000	11/7/08	42,500,000	3/16/09	61,900,000	5/6/09	47,300,000
			Freon-11 (µg/m^3)	8/21/08	99,100	11/7/08	117,000	3/16/09	94,900	5/6/09	150,000
			H_2O (µg/m^3)	8/21/08	16,000,000	11/7/08	8,920,000	3/16/09	14,100,000	5/6/09	65.2[b]
			PCE (µg/m^3)	8/21/08	890,000	11/7/08	1,070,000	3/16/09	904,000	5/6/09	938,000
			Pressure Differential (kPa)	8/21/08	0	11/7/08	0.01	3/16/09	0	5/6/09	-0.03
			TCA (µg/m^3)	8/21/08	2,100,000	11/7/08	2,430,000	3/16/09	2,680,000	5/6/09	2,380,000
			TCE (µg/m^3)	8/21/08	611,000	11/7/08	691,000	3/16/09	643,000	5/6/09	807,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02089	46	46	CO_2 (µg/m^3)	8/21/08	40,500,000	11/7/08	41,400,000	3/16/09	58,400,000	5/6/09	47,000,000
			Freon-11 (µg/m^3)	8/21/08	140,000	11/7/08	151,000	3/16/09	113,000	5/6/09	183,000
			H_2O (µg/m^3)	8/21/08	16,800,000	11/7/08	10,500,000	3/16/09	11,900,000	5/6/09	64.1[b]
			PCE (µg/m^3)	8/21/08	1,270,000	11/7/08	1,380,000	3/16/09	1,090,000	5/6/09	1,120,000
			Pressure Differential (kPa)	8/21/08	0	11/7/08	0.01	3/16/09	0	5/6/09	-0.03
			TCA (µg/m^3)	8/21/08	2,840,000	11/7/08	3,050,000	3/16/09	3,170,000	5/6/09	2,730,000
			TCE (µg/m^3)	8/21/08	755,000	11/7/08	798,000	3/16/09	639,000	5/6/09	801,000
	86	86	CO_2 (µg/m^3)	8/21/08	34,200,000	11/7/08	34,700,000	3/16/09	51,700,000	5/6/09	43,500,000
			Freon-11 (µg/m^3)	8/21/08	141,000	11/7/08	152,000	3/16/09	117,000	5/6/09	195,000
			H_2O (µg/m^3)	8/21/08	15,900,000	11/7/08	10,300,000	3/16/09	11,700,000	5/6/09	64.4[b]
			PCE (µg/m^3)	8/21/08	1,260,000	11/7/08	1,370,000	3/16/09	1,120,000	5/6/09	1,200,000
			Pressure Differential (kPa)	8/21/08	0	11/7/08	0	3/16/09	-0.04	5/6/09	-0.08
			TCA (µg/m^3)	8/21/08	3,010,000	11/7/08	3,220,000	3/16/09	3,480,000	5/6/09	3,270,000
			TCE (µg/m^3)	8/21/08	766,000	11/7/08	814,000	3/16/09	702,000	5/6/09	976,000
54-24238	Ambient	Ambient	CO_2 (µg/m^3)	8/20/08	862,000	11/7/08	659,000	3/16/09	921,000	5/13/09	991,000
			Freon-11 (µg/m^3)	8/20/08	630	11/7/08	57.3	3/16/09	-110	5/13/09	-22
			H_2O (µg/m^3)	8/20/08	11,900,000	11/7/08	1,390,000	3/16/09	12,800,000	5/13/09	33.7[b]
			PCE (µg/m^3)	8/20/08	4260	11/7/08	3430	3/16/09	3060	5/13/09	-272
			Pressure Differential (kPa)	8/20/08	0	11/7/08	0	3/16/09	0	5/13/09	0
			TCA (µg/m^3)	8/20/08	-10600	11/7/08	-282	3/16/09	-1400	5/13/09	-6900
			TCE (µg/m^3)	8/20/08	171	11/7/08	1760	3/16/09	3800	5/13/09	-1500
	44	43–45	CO_2 (µg/m^3)	8/20/08	42,100,000	11/7/08	41,200,000	3/16/09	62,800,000	5/13/09	51,600,000
			Freon-11 (µg/m^3)	8/20/08	137,000	11/7/08	129,000	3/16/09	107,000	5/13/09	223,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24238	44	43–45	H_2O (µg/m^3)	8/20/08	21,000,000	11/7/08	8,030,000	3/16/09	18,100,000	5/13/09	64.8[b]
			PCE (µg/m^3)	8/20/08	1,270,000	11/7/08	1,220,000	3/16/09	1,070,000	5/13/09	1,390,000
			Pressure Differential (kPa)	8/20/08	0	11/7/08	0.01	3/16/09	-0.06	5/13/09	0
			TCA (µg/m^3)	8/20/08	3,420,000	11/7/08	3,030,000	3/16/09	2,930,000	5/13/09	3,050,000
			TCE (µg/m^3)	8/20/08	697,000	11/7/08	648,000	3/16/09	532,000	5/13/09	793,000
	64	63–65	CO_2 (µg/m^3)	8/20/08	37,400,000	11/7/08	34,600,000	3/16/09	53,500,000	5/13/09	44,000,000
			Freon-11 (µg/m^3)	8/20/08	148,000	11/7/08	148,000	3/16/09	122,000	5/13/09	222,000
			H_2O (µg/m^3)	8/20/08	15,300,000	11/7/08	9,360,000	3/16/09	17,800,000	5/13/09	65.1[b]
			PCE (µg/m^3)	8/20/08	1,350,000	11/7/08	1,380,000	3/16/09	1,200,000	5/13/09	1,370,000
			Pressure Differential (kPa)	8/20/08	0.01	11/7/08	0.16	3/16/09	-0.12	5/13/09	0.04
			TCA (µg/m^3)	8/20/08	4,090,000	11/7/08	3,810,000	3/16/09	3,610,000	5/13/09	3,570,000
			TCE (µg/m^3)	8/20/08	697,000	11/7/08	622,000	3/16/09	508,000	5/13/09	764,000
	84	83–85	CO_2 (µg/m^3)	8/20/08	32,600,000	11/7/08	32,400,000	3/16/09	49,500,000	5/13/09	41,000,000
			Freon-11 (µg/m^3)	8/20/08	132,000	11/7/08	143,000	3/16/09	117,000	5/13/09	196,000
			H_2O (µg/m^3)	8/20/08	14,900,000	11/7/08	9,580,000	3/16/09	12,900,000	5/13/09	66.3[b]
			PCE (µg/m^3)	8/20/08	1,170,000	11/7/08	1,310,000	3/16/09	1,150,000	5/13/09	1,180,000
			Pressure Differential (kPa)	8/20/08	0.02	11/7/08	0.18	3/16/09	0	5/13/09	0
			TCA (µg/m^3)	8/20/08	3,050,000	11/7/08	3,250,000	3/16/09	3,290,000	5/13/09	2,990,000
			TCE (µg/m^3)	8/20/08	659,000	11/7/08	616,000	3/16/09	524,000	5/13/09	772,000
54-24239	Ambient	Ambient	CO_2 (µg/m^3)	8/21/08	745,000	11/12/08	3,350,000	3/17/09	1,440,000	5/6/09	1160
			Freon-11 (µg/m^3)	8/21/08	-550	11/12/08	-1130	3/17/09	774	5/6/09	1040
			H_2O (µg/m^3)	8/21/08	9,510,000	11/12/08	8,400,000	3/17/09	6,630,000	5/6/09	35.9[b]
			PCE (µg/m^3)	8/21/08	7300	11/12/08	452	3/17/09	31,300	5/6/09	4120

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24239	Ambient	Ambient	Pressure Differential (kPa)	8/21/08	0	11/12/08	0	3/17/09	0	5/6/09	0
			TCA (µg/m^3)	8/21/08	-5090	11/12/08	-7440	3/17/09	-7100	5/6/09	-8800
			TCE (µg/m^3)	8/21/08	1550	11/12/08	1300	3/17/09	4590	5/6/09	-1600
	25	24–26	CO_2 (µg/m^3)	8/21/08	16,100,000	11/12/08	16,400,000	3/17/09	23,000,000	5/6/09	11,300,000
			Freon-11 (µg/m^3)	8/21/08	15,700	11/12/08	19,900	3/17/09	12,700	5/6/09	9970
			H_2O (µg/m^3)	8/21/08	21,100,000	11/12/08	9,140,000	3/17/09	12,900,000	5/6/09	55.8[b]
			PCE (µg/m^3)	8/21/08	438,000	11/12/08	503,000	3/17/09	395,000	5/6/09	208,000
			Pressure Differential (kPa)	8/21/08	0.01	11/12/08	0	3/17/09	0	5/6/09	0.04
			TCA (µg/m^3)	8/21/08	702,000	11/12/08	638,000	3/17/09	651,000	5/6/09	335,000
			TCE (µg/m^3)	8/21/08	186,000	11/12/08	163,000	3/17/09	142,000	5/6/09	112,000
	50	49–51	CO_2 (µg/m^3)	8/21/08	16,500,000	11/12/08	16,400,000	3/17/09	24,300,000	5/6/09	21,100,000
			Freon-11 (µg/m^3)	8/21/08	19,800	11/12/08	23,700	3/17/09	16,100	5/6/09	24,000
			H_2O (µg/m^3)	8/21/08	24,500,000	11/12/08	9,290,000	3/17/09	13,700,000	5/6/09	67[b]
			PCE (µg/m^3)	8/21/08	480,000	11/12/08	536,000	3/17/09	442,000	5/6/09	443,000
			Pressure Differential (kPa)	8/21/08	0.01	11/12/08	0	3/17/09	-0.02	5/6/09	0.05
			TCA (µg/m^3)	8/21/08	835,000	11/12/08	771,000	3/17/09	790,000	5/6/09	784,000
			TCE (µg/m^3)	8/21/08	219,000	11/12/08	188,000	3/17/09	164,000	5/6/09	250,000
	75	74–76	CO_2 (µg/m^3)	8/21/08	16,700,000	11/12/08	16,100,000	3/17/09	24,000,000	5/6/09	20,800,000
			Freon-11 (µg/m^3)	8/21/08	22,600	11/12/08	25,400	3/17/09	17,700	5/6/09	26,500
			H_2O (µg/m^3)	8/21/08	22,600,000	11/12/08	8,920,000	3/17/09	13,700,000	5/6/09	65.9[b]
			PCE (µg/m^3)	8/21/08	496,000	11/12/08	542,000	3/17/09	454,000	5/6/09	447,000
			Pressure Differential (kPa)	8/21/08	0	11/12/08	0	3/17/09	-0.06	5/6/09	0.05

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24239	75	74–76	TCA (µg/m^3)	8/21/08	930,000	11/12/08	835,000	3/17/09	839,000	5/6/09	851,000
			TCE (µg/m^3)	8/21/08	241,000	11/12/08	206,000	3/17/09	176,000	5/6/09	271,000
	99.5	98.5–100.5	CO_2 (µg/m^3)	8/21/08	16,600,000	11/12/08	15,900,000	3/17/09	23,500,000	5/6/09	21,000,000
			Freon-11 (µg/m^3)	8/21/08	25,300	11/12/08	28,000	3/17/09	19,400	5/6/09	29,700
			H_2O (µg/m^3)	8/21/08	20,300,000	11/12/08	9,360,000	3/17/09	13,700,000	5/6/09	65.4[b]
			PCE (µg/m^3)	8/21/08	488,000	11/12/08	521,000	3/17/09	434,000	5/6/09	445,000
			Pressure Differential (kPa)	8/21/08	0.02	11/12/08	0	3/17/09	-0.06	5/6/09	0.05
			TCA (µg/m^3)	8/21/08	1,000,000	11/12/08	899,000	3/17/09	882,000	5/6/09	929,000
			TCE (µg/m^3)	8/21/08	256,000	11/12/08	213,000	3/17/09	181,000	5/6/09	295,000
54-24240	Ambient	Ambient	CO_2 (µg/m^3)	8/22/08	625,000	11/10/08	648,000	3/14/09	990,000	5/14/09	904,000
			Freon-11 (µg/m^3)	8/22/08	178	11/10/08	1100	3/14/09	633	5/14/09	773
			H_2O (µg/m^3)	8/22/08	6,500,000	11/10/08	8,990,000	3/14/09	11,000,000	5/14/09	38[b]
			PCE (µg/m^3)	8/22/08	590	11/10/08	1410	3/14/09	4970	5/14/09	2200
			Pressure Differential (kPa)	8/22/08	0	11/10/08	0	3/14/09	0	5/14/09	0
			TCA (µg/m^3)	8/22/08	-1730	11/10/08	-845	3/14/09	-2500	5/14/09	-4600
			TCE (µg/m^3)	8/22/08	-106	11/10/08	2210	3/14/09	3450	5/14/09	-476
	28	27–29	CO_2 (µg/m^3)	8/22/08	29,200,000	11/10/08	28,400,000	3/14/09	38,700,000	5/14/09	27,600,000
			Freon-11 (µg/m^3)	8/22/08	36,000	11/10/08	52,000	3/14/09	34,800	5/14/09	24,200
			H_2O (µg/m^3)	8/22/08	17,800,000	11/10/08	9,730,000	3/14/09	12,500,000	5/14/09	62.2[b]
			PCE (µg/m^3)	8/22/08	593,000	11/10/08	813,000	3/14/09	625,000	5/14/09	541,000
			Pressure Differential (kPa)	8/22/08	0	11/10/08	0	3/14/09	0.07	5/14/09	0.03
			TCA (µg/m^3)	8/22/08	2,080,000	11/10/08	2,670,000	3/14/09	3,050,000	5/14/09	2,300,000
			TCE (µg/m^3)	8/22/08	1,000,000	11/10/08	1,110,000	3/14/09	1,010,000	5/14/09	1,080,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24240	53	52–54	CO_2 (µg/m^3)	8/22/08	23,900,000	11/10/08	23,000,000	3/14/09	35,500,000	5/14/09	28,500,000
			Freon-11 (µg/m^3)	8/22/08	58,400	11/10/08	50,000	3/14/09	41,700	5/14/09	47,300
			H_2O (µg/m^3)	8/22/08	15,600,000	11/10/08	9,800,000	3/14/09	13,200,000	5/14/09	63.5[b]
			PCE (µg/m^3)	8/22/08	615,000	11/10/08	638,000	3/14/09	569,000	5/14/09	596,000
			Pressure Differential (kPa)	8/22/08	0	11/10/08	0	3/14/09	0.12	5/14/09	0.03
			TCA (µg/m^3)	8/22/08	2,950,000	11/10/08	2,520,000	3/14/09	3,150,000	5/14/09	2,980,000
			TCE (µg/m^3)	8/22/08	900,000	11/10/08	755,000	3/14/09	862,000	5/14/09	1,190,000
	78	77–79	CO_2 (µg/m^3)	8/22/08	17,200,000	11/10/08	15,500,000	3/14/09	25,600,000	5/14/09	23,700,000
			Freon-11 (µg/m^3)	8/22/08	33,500	11/10/08	24,700	3/14/09	23,100	5/14/09	38,700
			H_2O (µg/m^3)	8/22/08	14,400,000	11/10/08	9,580,000	3/14/09	13,100,000	5/14/09	63.5[b]
			PCE (µg/m^3)	8/22/08	434,000	11/10/08	363,000	3/14/09	369,000	5/14/09	453,000
			Pressure Differential (kPa)	8/22/08	-0.03	11/10/08	0.1	3/14/09	0.19	5/14/09	0.02
			TCA (µg/m^3)	8/22/08	1,870,000	11/10/08	1,550,000	3/14/09	1,900,000	5/14/09	2,030,000
			TCE (µg/m^3)	8/22/08	480,000	11/10/08	372,000	3/14/09	415,000	5/14/09	677,000
	103	102–104	CO_2 (µg/m^3)	8/22/08	13,700,000	11/10/08	12,800,000	3/14/09	21,100,000	5/14/09	18,700,000
			Freon-11 (µg/m^3)	8/22/08	19,500	11/10/08	19,100	3/14/09	16,400	5/14/09	25,400
			H_2O (µg/m^3)	8/22/08	13,600,000	11/10/08	9,510,000	3/14/09	11,300,000	5/14/09	63.6[b]
			PCE (µg/m^3)	8/22/08	284,000	11/10/08	255,000	3/14/09	264,000	5/14/09	311,000
			Pressure Differential (kPa)	8/22/08	-0.06	11/10/08	0.5	3/14/09	0.25	5/14/09	-0.03
			TCA (µg/m^3)	8/22/08	1,560,000	11/10/08	1,310,000	3/14/09	1,620,000	5/14/09	1,580,000
			TCE (µg/m^3)	8/22/08	348,000	11/10/08	293,000	3/14/09	317,000	5/14/09	462,000
	128	127–129	CO_2 (µg/m^3)	8/22/08	12,200,000	11/10/08	10,900,000	3/14/09	18,500,000	5/14/09	15,600,000
			Freon-11 (µg/m^3)	8/22/08	16,900	11/10/08	16,200	3/14/09	14,000	5/14/09	19,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24240	128	127–129	H_2O (µg/m^3)	8/22/08	13,200,000	11/10/08	9,430,000	3/14/09	11,300,000	5/14/09	62.2[b]
			PCE (µg/m^3)	8/22/08	189,000	11/10/08	177,000	3/14/09	187,000	5/14/09	214,000
			Pressure Differential (kPa)	8/22/08	0.07	11/10/08	0.4	3/14/09	0.27	5/14/09	-0.09
			TCA (µg/m^3)	8/22/08	1,380,000	11/10/08	1,030,000	3/14/09	1,430,000	5/14/09	1,290,000
			TCE (µg/m^3)	8/22/08	295,000	11/10/08	241,000	3/14/09	269,000	5/14/09	360,000
	153	152–154	CO_2 (µg/m^3)	8/22/08	10,900,000	11/10/08	10,400,000	3/14/09	16,200,000	5/14/09	14,100,000
			Freon-11 (µg/m^3)	8/22/08	15,000	11/10/08	16,800	3/14/09	12,500	5/14/09	18,400
			H_2O (µg/m^3)	8/22/08	12,200,000	11/10/08	9,210,000	3/14/09	11,400,000	5/14/09	63.1[b]
			PCE (µg/m^3)	8/22/08	140,000	11/10/08	165,000	3/14/09	148,000	5/14/09	173,000
			Pressure Differential (kPa)	8/22/08	-0.06	11/10/08	0.3	3/14/09	0.28	5/14/09	0
			TCA (µg/m^3)	8/22/08	1,060,000	11/10/08	941,000	3/14/09	1,180,000	5/14/09	1,140,000
			TCE (µg/m^3)	8/22/08	236,000	11/10/08	216,000	3/14/09	233,000	5/14/09	310,000
54-24241	Ambient	Ambient	CO_2 (µg/m^3)	8/15/08	603,000	11/10/08	632,000	3/16/09	1,190,000	5/14/09	796,000
			Freon-11 (µg/m^3)	8/15/08	234	11/10/08	40.1	3/16/09	298	5/14/09	733
			H_2O (µg/m^3)	8/15/08	12,000,000	11/10/08	4,160,000	3/16/09	47,000,000	5/14/09	34.5[b]
			PCE (µg/m^3)	8/15/08	-175	11/10/08	2550	3/16/09	5640	5/14/09	216
			Pressure Differential (kPa)	8/15/08	0	11/10/08	0	3/16/09	0	5/14/09	0
			TCA (µg/m^3)	8/15/08	-1400	11/10/08	-3810	3/16/09	-6600	5/14/09	-4300
			TCE (µg/m^3)	8/15/08	-954	11/10/08	670	3/16/09	2620	5/14/09	-2500
	73	71–74	CO_2 (µg/m^3)	8/15/08	23,400,000	11/10/08	22,100,000	3/16/09	31,800,000	5/14/09	27,300,000
			Freon-11 (µg/m^3)	8/15/08	55,300	11/10/08	55,000	3/16/09	36,700	5/14/09	64,200
			H_2O (µg/m^3)	8/15/08	24,500,000	11/10/08	9,360,000	3/16/09	12,400,000	5/14/09	65.2[b]
			PCE (µg/m^3)	8/15/08	617,000	11/10/08	642,000	3/16/09	451,000	5/14/09	499,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241	73	71–74	Pressure Differential (kPa)	8/15/08	0.04	11/10/08	0.05	3/16/09	-0.06	5/14/09	-0.16
			TCA (µg/m^3)	8/15/08	2,040,000	11/10/08	1,800,000	3/16/09	1,790,000	5/14/09	1,640,000
			TCE (µg/m^3)	8/15/08	373,000	11/10/08	352,000	3/16/09	293,000	5/14/09	388,000
	93	92–94	CO_2 (µg/m^3)	8/15/08	21,100,000	11/10/08	20,500,000	3/16/09	27,300,000	5/14/09	24,400,000
			Freon-11 (µg/m^3)	8/15/08	50,700	11/10/08	550,000	3/16/09	32,600	5/14/09	56,200
			H_2O (µg/m^3)	8/15/08	25,900,000	11/10/08	9,650,000	3/16/09	13,000,000	5/14/09	66.5[b]
			PCE (µg/m^3)	8/15/08	553,000	11/10/08	621,000	3/16/09	397,000	5/14/09	451,000
			Pressure Differential (kPa)	8/15/08	0.01	11/10/08	0.08	3/16/09	-0.14	5/14/09	-0.21
			TCA (µg/m^3)	8/15/08	1,660,000	11/10/08	1,600,000	3/16/09	1,460,000	5/14/09	1,370,000
			TCE (µg/m^3)	8/15/08	337,000	11/10/08	340,000	3/16/09	267,000	5/14/09	360,000
	113	112–114	CO_2 (µg/m^3)	8/15/08	18,700,000	11/10/08	18,900,000	3/16/09	22,900,000	5/14/09	20,600,000
			Freon-11 (µg/m^3)	8/15/08	45,100	11/10/08	49,900	3/16/09	24,400	5/14/09	45,100
			H_2O (µg/m^3)	8/15/08	25,400,000	11/10/08	9,580,000	3/16/09	13,300,000	5/14/09	63.8[b]
			PCE (µg/m^3)	8/15/08	458,000	11/10/08	540,000	3/16/09	284,000	5/14/09	332,000
			Pressure Differential (kPa)	8/15/08	0	11/10/08	0.12	3/16/09	-0.18	5/14/09	-0.23
			TCA (µg/m^3)	8/15/08	1,290,000	11/10/08	1,310,000	3/16/09	1,010,000	5/14/09	976,000
			TCE (µg/m^3)	8/15/08	267,000	11/10/08	291,000	3/16/09	192,000	5/14/09	273,000
	133	132–134	CO_2 (µg/m^3)	8/15/08	16,200,000	11/10/08	15,300,000	3/16/09	19,600,000	5/14/09	15,700,000
			Freon-11 (µg/m^3)	8/15/08	42,500	11/10/08	46,600	3/16/09	25,900	5/14/09	39,100
			H_2O (µg/m^3)	8/15/08	25,800,000	11/10/08	9,800,000	3/16/09	13,200,000	5/14/09	60.4[b]
			PCE (µg/m^3)	8/15/08	406,000	11/10/08	439,000	3/16/09	276,000	5/14/09	246,000
			Pressure Differential (kPa)	8/15/08	0.06	11/10/08	0.3	3/16/09	-0.26	5/14/09	-0.23

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241	133	132–134	TCA (µg/m^3)	8/15/08	1,080,000	11/10/08	957,000	3/16/09	904,000	5/14/09	693,000
			TCE (µg/m^3)	8/15/08	245,000	11/10/08	233,000	3/16/09	180,000	5/14/09	195,000
	153	152–154	CO_2 (µg/m^3)	8/15/08	15,300,000	11/10/08	14,600,000	3/16/09	19,200,000	5/14/09	17,300,000
			Freon-11 (µg/m^3)	8/15/08	43,100	11/10/08	48,300	3/16/09	26,300	5/14/09	46,600
			H_2O (µg/m^3)	8/15/08	21,400,000	11/10/08	9,580,000	3/16/09	13,600,000	5/14/09	66.7[b]
			PCE (µg/m^3)	8/15/08	389,000	11/10/08	428,000	3/16/09	265,000	5/14/09	298,000
			Pressure Differential (kPa)	8/15/08	0.01	11/10/08	0.38	3/16/09	-0.35	5/14/09	-0.38
			TCA (µg/m^3)	8/15/08	1,020,000	11/10/08	909,000	3/16/09	834,000	5/14/09	799,000
			TCE (µg/m^3)	8/15/08	235,000	11/10/08	224,000	3/16/09	172,000	5/14/09	245,000
	173	172–174	CO_2 (µg/m^3)	8/15/08	14,600,000	11/10/08	14,300,000	3/16/09	18,600,000	5/14/09	17,100,000
			Freon-11 (µg/m^3)	8/15/08	44,400	11/10/08	48,900	3/16/09	25,300	5/14/09	47,300
			H_2O (µg/m^3)	8/15/08	16,400,000	11/10/08	9,510,000	3/16/09	13,600,000	5/14/09	66.7[b]
			PCE (µg/m^3)	8/15/08	380,000	11/10/08	428,000	3/16/09	248,000	5/14/09	282,000
			Pressure Differential (kPa)	8/15/08	-0.01	11/10/08	0.39	3/16/09	-0.36	5/14/09	-0.35
			TCA (µg/m^3)	8/15/08	962,000	11/10/08	904,000	3/16/09	795,000	5/14/09	791,000
			TCE (µg/m^3)	8/15/08	228,000	11/10/08	222,000	3/16/09	166,000	5/14/09	244,000
	193	192–194	CO_2 (µg/m^3)	8/15/08	14,000,000	11/10/08	14,100,000	3/16/09	19,200,000	5/14/09	16,600,000
			Freon-11 (µg/m^3)	8/15/08	45,900	11/10/08	49,800	3/16/09	27,500	5/14/09	50,400
			H_2O (µg/m^3)	8/15/08	23,500,000	11/10/08	9,510,000	3/16/09	13,800,000	5/14/09	66.8[b]
			PCE (µg/m^3)	8/15/08	371,000	11/10/08	423,000	3/16/09	269,000	5/14/09	289,000
			Pressure Differential (kPa)	8/15/08	0.02	11/10/08	0	3/16/09	0.02	5/14/09	0
			TCA (µg/m^3)	8/15/08	909,000	11/10/08	883,000	3/16/09	843,000	5/14/09	790,000
			TCE (µg/m^3)	8/15/08	220,000	11/10/08	218,000	3/16/09	180,000	5/14/09	247,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24242	Ambient	Ambient	CO_2 (µg/m^3)	8/21/08	2,120,000	11/7/08	648,000	3/17/09	899,000	5/11/09	908,000
			Freon-11 (µg/m^3)	8/21/08	-120	11/7/08	384	3/17/09	-47	5/11/09	-684
			H_2O (µg/m^3)	8/21/08	9,430,000	11/7/08	2,120,000	3/17/09	4,330,000	5/11/09	43.3[b]
			PCE (µg/m^3)	8/21/08	1110	11/7/08	3000	3/17/09	1790	5/11/09	1030
			Pressure Differential (kPa)	8/21/08	0	11/7/08	0	3/17/09	0	5/11/09	0
			TCA (µg/m^3)	8/21/08	-2350	11/7/08	-2540	3/17/09	-1800	5/11/09	-4400
			TCE (µg/m^3)	8/21/08	3690	11/7/08	1500	3/17/09	2740	5/11/09	-1700
	25	24–26	CO_2 (µg/m^3)	8/21/08	14,800,000	11/7/08	17,600,000	3/17/09	20,500,000	5/11/09	17,900,000
			Freon-11 (µg/m^3)	8/21/08	11,600	11/7/08	15,600	3/17/09	9770	5/11/09	14,200
			H_2O (µg/m^3)	8/21/08	24,600,000	11/7/08	10,700,000	3/17/09	11,900,000	5/11/09	67.9[b]
			PCE (µg/m^3)	8/21/08	994,000	11/7/08	1,020,000	3/17/09	541,000	5/11/09	635,000
			Pressure Differential (kPa)	8/21/08	0	11/7/08	0.01	3/17/09	0	5/11/09	0.17
			TCA (µg/m^3)	8/21/08	474,000	11/7/08	524,000	3/17/09	375,000	5/11/09	429,000
			TCE (µg/m^3)	8/21/08	159,000	11/7/08	168,000	3/17/09	98,500	5/11/09	172,000
	50	49–51	CO_2 (µg/m^3)	8/21/08	13,500,000	11/7/08	16,900,000	3/17/09	23,200,000	5/11/09	19,500,000
			Freon-11 (µg/m^3)	8/21/08	25,000	11/7/08	33,300	3/17/09	23,600	5/11/09	33,800
			H_2O (µg/m^3)	8/21/08	21,300,000	11/7/08	12,300,000	3/17/09	13,000,000	5/11/09	73.1[b]
			PCE (µg/m^3)	8/21/08	527,000	11/7/08	686,000	3/17/09	535,000	5/11/09	507,000
			Pressure Differential (kPa)	8/21/08	0	11/7/08	0	3/17/09	-0.17	5/11/09	0.12
			TCA (µg/m^3)	8/21/08	867,000	11/7/08	1,080,000	3/17/09	989,000	5/11/09	904,000
			TCE (µg/m^3)	8/21/08	215,000	11/7/08	266,000	3/17/09	196,000	5/11/09	279,000
	75	74–76	CO_2 (µg/m^3)	8/21/08	13,900,000	11/7/08	17,400,000	3/17/09	24,100,000	5/11/09	21,500,000
			Freon-11 (µg/m^3)	8/21/08	22,400	11/7/08	29,800	3/17/09	22,300	5/11/09	32,600

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24242	75	74–76	H_2O (µg/m^3)	8/21/08	26,400,000	11/7/08	11,300,000	3/17/09	12,600,000	5/11/09	64.7[b]
			PCE (µg/m^3)	8/21/08	608,000	11/7/08	807,000	3/17/09	674,000	5/11/09	681,000
			Pressure Differential (kPa)	8/21/08	0	11/7/08	0.02	3/17/09	-0.08	5/11/09	0.12
			TCA (µg/m^3)	8/21/08	813,000	11/7/08	989,000	3/17/09	905,000	5/11/09	960,000
			TCE (µg/m^3)	8/21/08	213,000	11/7/08	253,000	3/17/09	184,000	5/11/09	310,000
	100	99–101	CO_2 (µg/m^3)	8/21/08	17,100,000	11/7/08	17,900,000	3/17/09	24,700,000	5/11/09	21,400,000
			Freon-11 (µg/m^3)	8/21/08	20,000	11/7/08	24,300	3/17/09	18,200	5/11/09	20,300
			H_2O (µg/m^3)	8/21/08	20,600,000	11/7/08	11,400,000	3/17/09	12,800,000	5/11/09	66.4[b]
			PCE (µg/m^3)	8/21/08	862,000	11/7/08	966,000	3/17/09	762,000	5/11/09	727,000
			Pressure Differential (kPa)	8/21/08	0	11/7/08	0.02	3/17/09	-0.03	5/11/09	0.08
			TCA (µg/m^3)	8/21/08	798,000	11/7/08	803,000	3/17/09	741,000	5/11/09	759,000
			TCE (µg/m^3)	8/21/08	245,000	11/7/08	226,000	3/17/09	167,000	5/11/09	290,000
	110.5	109.5–111.5	CO_2 (µg/m^3)	8/21/08	17,000,000	11/7/08	16,500,000	3/17/09	20,600,000	5/11/09	20,500,000
			Freon-11 (µg/m^3)	8/21/08	33,100	11/7/08	33,400	3/17/09	19,000	5/11/09	34,000
			H_2O (µg/m^3)	8/21/08	14,900,000	11/7/08	11,700,000	3/17/09	13,000,000	5/11/09	64.9[b]
			PCE (µg/m^3)	8/21/08	655,000	11/7/08	666,000	3/17/09	497,000	5/11/09	330,000
			Pressure Differential (kPa)	8/21/08	0	11/7/08	0	3/17/09	-0.15	5/11/09	0.13
			TCA (µg/m^3)	8/21/08	1,160,000	11/7/08	1,080,000	3/17/09	1,020,000	5/11/09	1,040,000
			TCE (µg/m^3)	8/21/08	296,000	11/7/08	266,000	3/17/09	217,000	5/11/09	333,000
54-24243	Ambient	Ambient	CO_2 (µg/m^3)	8/6/08	904,000	11/14/08	644,000	3/19/09	953,000	5/15/09	835,000
			Freon-11 (µg/m^3)	8/6/08	84.7	11/14/08	-550	3/19/09	82	5/15/09	1980
			H_2O (µg/m^3)	8/6/08	11,400,000	11/14/08	5,820,000	3/19/09	6,920,000	5/15/09	29.2[b]
			PCE (µg/m^3)	8/6/08	-1150	11/14/08	5150	3/19/09	4310	5/15/09	441

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24243	Ambient	Ambient	Pressure Differential (kPa)	8/6/08	0	11/14/08	0	3/19/09	0	5/15/09	0
			TCA (µg/m^3)	8/6/08	255	11/14/08	-7440	3/19/09	-3100	5/15/09	1470
			TCE (µg/m^3)	8/6/08	215	11/14/08	8730	3/19/09	3190	5/15/09	-8000
	25	24–26	CO_2 (µg/m^3)	8/6/08	21,400,000	11/14/08	21,200,000	3/19/09	28,800,000	5/15/09	24,100,000
			Freon-11 (µg/m^3)	8/6/08	47,800	11/14/08	54,300	3/19/09	48,400	5/15/09	91,300
			H_2O (µg/m^3)	8/6/08	18,100,000	11/14/08	11,000,000	3/19/09	13,000,000	5/15/09	62.6[b]
			PCE (µg/m^3)	8/6/08	423,000	11/14/08	504,000	3/19/09	454,000	5/15/09	539,000
			Pressure Differential (kPa)	8/6/08	0	11/14/08	-0.02	3/19/09	0	5/15/09	0.02
			TCA (µg/m^3)	8/6/08	1,050,000	11/14/08	1,010,000	3/19/09	995,000	5/15/09	901,000
			TCE (µg/m^3)	8/6/08	219,000	11/14/08	202,000	3/19/09	156,000	5/15/09	232,000
	50	49–51	CO_2 (µg/m^3)	8/6/08	24,500,000	11/14/08	24,700,000	3/19/09	36,100,000	5/15/09	30,100,000
			Freon-11 (µg/m^3)	8/6/08	88,800	11/14/08	92,200	3/19/09	90,900	5/15/09	171,000
			H_2O (µg/m^3)	8/6/08	15,700,000	11/14/08	14,300,000	3/19/09	12,800,000	5/15/09	61.8[b]
			PCE (µg/m^3)	8/6/08	786,000	11/14/08	855,000	3/19/09	859,000	5/15/09	1,040,000
			Pressure Differential (kPa)	8/6/08	0	11/14/08	-0.02	3/19/09	0	5/15/09	0.02
			TCA (µg/m^3)	8/6/08	1,580,000	11/14/08	1,560,000	3/19/09	1,590,000	5/15/09	1,490,000
			TCE (µg/m^3)	8/6/08	336,000	11/14/08	324,000	3/19/09	215,000	5/15/09	365,000
	75	74–76	CO_2 (µg/m^3)	8/6/08	23,800,000	11/14/08	23,400,000	3/19/09	35,500,000	5/15/09	28,400,000
			Freon-11 (µg/m^3)	8/6/08	91,000	11/14/08	91,600	3/19/09	85,300	5/15/09	130,000
			H_2O (µg/m^3)	8/6/08	23,300,000	11/14/08	13,900,000	3/19/09	13,500,000	5/15/09	65.8[b]
			PCE (µg/m^3)	8/6/08	765,000	11/14/08	800,000	3/19/09	775,000	5/15/09	755,000
			Pressure Differential (kPa)	8/6/08	0	11/14/08	-0.06	3/19/09	0	5/15/09	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24243	75	74–76	TCA (µg/m^3)	8/6/08	1,730,000	11/14/08	1,690,000	3/19/09	1,810,000	5/15/09	1,610,000
			TCE (µg/m^3)	8/6/08	376,000	11/14/08	362000	3/19/09	277000	5/15/09	424,000
	100	99–101	CO_2 (µg/m^3)	8/6/08	21,600,000	11/14/08	20300000	3/19/09	31400000	5/15/09	26,300,000
			Freon-11 (µg/m^3)	8/6/08	78,400	11/14/08	75000	3/19/09	69200	5/15/09	104,000
			H_2O (µg/m^3)	8/6/08	17,800,000	11/14/08	13300000	3/19/09	12600000	5/15/09	61.3[b]
			PCE (µg/m^3)	8/6/08	-617000	11/14/08	624000	3/19/09	590000	5/15/09	572,000
			Pressure Differential (kPa)	8/6/08	-0.06	11/14/08	-0.2	3/19/09	-0.12	5/15/09	0.02
			TCA (µg/m^3)	8/6/08	1670000	11/14/08	1520000	3/19/09	1720000	5/15/09	1,610,000
			TCE (µg/m^3)	8/6/08	350000	11/14/08	324000	3/19/09	282000	5/15/09	428,000
	125	124–126	CO_2 (µg/m^3)	8/6/08	18900000	11/14/08	17700000	3/19/09	28000000	5/15/09	23,100,000
			Freon-11 (µg/m^3)	8/6/08	68700	11/14/08	67000	3/19/09	61500	5/15/09	90,400
			H_2O (µg/m^3)	8/6/08	18700000	11/14/08	13100000	3/19/09	13300000	5/15/09	63.4[b]
			PCE (µg/m^3)	8/6/08	496000	11/14/08	494000	3/19/09	488000	5/15/09	455,000
			Pressure Differential (kPa)	8/6/08	-0.01	11/14/08	-0.21	3/19/09	-0.1	5/15/09	0
			TCA (µg/m^3)	8/6/08	1450000	11/14/08	1340000	3/19/09	1550000	5/15/09	1440,000
			TCE (µg/m^3)	8/6/08	281000	11/14/08	287000	3/19/09	260000	5/15/09	383000
54-24399	Ambient	Ambient	CO_2 (µg/m^3)	9/2/08	572000	12/2/08	578000	3/22/09	904000	5/11/09	784000
			Freon-11 (µg/m^3)	9/2/08	-74.4	12/2/08	-103	3/22/09	-32.5	5/11/09	-718
			H_2O (µg/m^3)	9/2/08	8620000	12/2/08	4810000	3/22/09	5190000	5/11/09	28.6[b]
			PCE (µg/m^3)	9/2/08	3070	12/2/08	765	3/22/09	4160	5/11/09	-4300
			Pressure Differential (kPa)	9/2/08	0	12/2/08	0	3/22/09	0	5/11/09	0
			TCA (µg/m^3)	9/2/08	-883	12/2/08	-2590	3/22/09	-1300	5/11/09	-2800
			TCE (µg/m^3)	9/2/08	1370	12/2/08	1390	3/22/09	3100	5/11/09	-173

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24399	550	550–608	CO_2 (µg/m^3)	9/2/08	1820000	12/2/08	2000000	3/22/09	3070000	5/11/09	2250000
			Freon-11 (µg/m^3)	9/2/08	-449	12/2/08	269	3/22/09	-68	5/11/09	-714
			H_2O (µg/m^3)	9/2/08	9290000	12/2/08	13300000	3/22/09	14000000	5/11/09	62.4[b]
			PCE (µg/m^3)	9/2/08	9870	12/2/08	3180	3/22/09	2890	5/11/09	-492
			Pressure Differential (kPa)	9/2/08		12/2/08	0.26	3/22/09	0.04	5/11/09	0.05
			TCA (µg/m^3)	9/2/08	9780	12/2/08	-1400	3/22/09	-9500	5/11/09	-1800
			TCE (µg/m^3)	9/2/08	6590	12/2/08	3480	3/22/09	2610	5/11/09	1660
54-27641	Ambient	Ambient	CO_2 (µg/m^3)	8/22/08	581000	11/10/08	617000	3/13/09	1020000	5/13/09	2050000
			Freon-11 (µg/m^3)	8/22/08	-149	11/10/08	-63	3/13/09	165	5/13/09	2670
			H_2O (µg/m^3)	8/22/08	6450000	11/10/08	3520000	3/13/09	6500000	5/13/09	39.1[b]
			PCE (µg/m^3)	8/22/08	-222	11/10/08	980	3/13/09	4840	5/13/09	15000
			Pressure Differential (kPa)	8/22/08	0	11/10/08	0	3/13/09	0	5/13/09	0
			TCA (µg/m^3)	8/22/08	-1240	11/10/08	-2020	3/13/09	-4400	5/13/09	-10000
			TCE (µg/m^3)	8/22/08	959	11/10/08	2490	3/13/09	3790	5/13/09	8420
	32	29.5–34.5	CO_2 (µg/m^3)	8/22/08	17300000	11/10/08	18200000	3/13/09	24000000	5/13/09	18500000
			Freon-11 (µg/m^3)	8/22/08	22800	11/10/08	24000	3/13/09	23100	5/13/09	14400
			H_2O (µg/m^3)	8/22/08	16200000	11/10/08	8400000	3/13/09	8140000	5/13/09	63[b]
			PCE (µg/m^3)	8/22/08	377000	11/10/08	432000	3/13/09	367000	5/13/09	334000
			Pressure Differential (kPa)	8/22/08	0	11/10/08	0	3/13/09	0	5/13/09	0
			TCA (µg/m^3)	8/22/08	1570000	11/10/08	1480000	3/13/09	2520000	5/13/09	2070000
			TCE (µg/m^3)	8/22/08	584000	11/10/08	643000	3/13/09	629000	5/13/09	761000
	82	79.5–84.5	CO_2 (µg/m^3)	8/22/08	12400000	11/10/08	12800000	3/13/09	20500000	5/13/09	16500000
			Freon-11 (µg/m^3)	8/22/08	17100	11/10/08	19500	3/13/09	17700	5/13/09	16100

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641	82	79.5–84.5	H_2O (µg/m^3)	8/22/08	14600000	11/10/08	9140000	3/13/09	8280000	5/13/09	64[b]
			PCE (µg/m^3)	8/22/08	334000	11/10/08	365000	3/13/09	340000	5/13/09	298000
			Pressure Differential (kPa)	8/22/08	-0.04	11/10/08	0	3/13/09	0	5/13/09	0.02
			TCA (µg/m^3)	8/22/08	1440000	11/10/08	1390000	3/13/09	1720000	5/13/09	1510000
			TCE (µg/m^3)	8/22/08	279000	11/10/08	267000	3/13/09	279000	5/13/09	389000
	115	112.5–117.5	CO_2 (µg/m^3)	8/22/08	11600000	11/10/08	11800000	3/13/09	18900000	5/13/09	15400000
			Freon-11 (µg/m^3)	8/22/08	14000	11/10/08	15400	3/13/09	13700	5/13/09	15600
			H_2O (µg/m^3)	8/22/08	15300000	11/10/08	9210000	3/13/09	8290000	5/13/09	63.8[b]
			PCE (µg/m^3)	8/22/08	209000	11/10/08	236000	3/13/09	216000	5/13/09	196000
			Pressure Differential (kPa)	8/22/08	-0.13	11/10/08	0	3/13/09	0.04	5/13/09	0.02
			TCA (µg/m^3)	8/22/08	1330000	11/10/08	1300000	3/13/09	1450000	5/13/09	1270000
			TCE (µg/m^3)	8/22/08	243000	11/10/08	235000	3/13/09	230000	5/13/09	307000
	182	179.5–184.5	CO_2 (µg/m^3)	8/22/08	9850000	11/10/08	9740000	3/13/09	15100000	5/13/09	12200000
			Freon-11 (µg/m^3)	8/22/08	12300	11/10/08	12400	3/13/09	10500	5/13/09	12600
			H_2O (µg/m^3)	8/22/08	14000000	11/10/08	9070000	3/13/09	8170000	5/13/09	64.1[b]
			PCE (µg/m^3)	8/22/08	98700	11/10/08	112000	3/13/09	93100	5/13/09	86800
			Pressure Differential (kPa)	8/22/08	-0.09	11/10/08	0	3/13/09	0.11	5/13/09	0.16
			TCA (µg/m^3)	8/22/08	920000	11/10/08	845000	3/13/09	1000000	5/13/09	857000
			TCE (µg/m^3)	8/22/08	180000	11/10/08	170000	3/13/09	167000	5/13/09	212000
	232	229.5–234.5	CO_2 (µg/m^3)	8/22/08	8440000	11/10/08	8500000	3/13/09	13100000	5/13/09	11000000
			Freon-11 (µg/m^3)	8/22/08	10500	11/10/08	10500	3/13/09	8750	5/13/09	13400
			H_2O (µg/m^3)	8/22/08	15500000	11/10/08	8990000	3/13/09	8130000	5/13/09	62.3[b]
			PCE (µg/m^3)	8/22/08	72300	11/10/08	83400	3/13/09	69500	5/13/09	63600

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641	232	229.5–234.5	Pressure Differential (kPa)	8/22/08	-0.07	11/10/08	2.5	3/13/09	0.12	5/13/09	0.2
			TCA (µg/m^3)	8/22/08	463000	11/10/08	440000	3/13/09	494000	5/13/09	477000
			TCE (µg/m^3)	8/22/08	104000	11/10/08	104000	3/13/09	97800	5/13/09	131000
	271	268.5–273.5	CO_2 (µg/m^3)	8/22/08	6620000	11/10/08	6770000	3/13/09	10500000	5/13/09	8460000
			Freon-11 (µg/m^3)	8/22/08	7040	11/10/08	7100	3/13/09	5810	5/13/09	8050
			H_2O (µg/m^3)	8/22/08	14600000	11/10/08	8770000	3/13/09	8170000	5/13/09	63.8[b]
			PCE (µg/m^3)	8/22/08	46200	11/10/08	52800	3/13/09	44400	5/13/09	40800
			Pressure Differential (kPa)	8/22/08	-0.07	11/10/08	0	3/13/09	0.12	5/13/09	0.2
			TCA (µg/m^3)	8/22/08	176000	11/10/08	160000	3/13/09	162000	5/13/09	180000
			TCE (µg/m^3)	8/22/08	47400	11/10/08	48800	3/13/09	42800	5/13/09	57800
	332.5	330–335	CO_2 (µg/m^3)	8/22/08	3890000	11/10/08	3980000	3/13/09	6130000	5/13/09	4970000
			Freon-11 (µg/m^3)	8/22/08	1100	11/10/08	1120	3/13/09	671	5/13/09	-265
			H_2O (µg/m^3)	8/22/08	15700000	11/10/08	9290000	3/13/09	8090000	5/13/09	63.7[b]
			PCE (µg/m^3)	8/22/08	8970	11/10/08	10200	3/13/09	11000	5/13/09	14000
			Pressure Differential (kPa)	8/22/08	-0.09	11/10/08	0	3/13/09	0.12	5/13/09	0.15
			TCA (µg/m^3)	8/22/08	13200	11/10/08	-3280	3/13/09	-20000	5/13/09	6320
			TCE (µg/m^3)	8/22/08	7880	11/10/08	9430	3/13/09	8500	5/13/09	13900
54-27642	Ambient	Ambient	CO_2 (µg/m^3)	8/20/08	594000	11/6/08	455000	3/15/09	1110000	5/7/09	777000
			Freon-11 (µg/m^3)	8/20/08	306	11/6/08	3020	3/15/09	68.7	5/7/09	-191
			H_2O (µg/m^3)	8/20/08	12100000	11/6/08	1050000	3/15/09	7770000	5/7/09	33[b]
			PCE (µg/m^3)	8/20/08	113	11/6/08	250	3/15/09	5140	5/7/09	-1400
			Pressure Differential (kPa)	8/20/08	0	11/6/08	0	3/15/09	0	5/7/09	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642	Ambient	Ambient	TCA (µg/m^3)	8/20/08	-606	11/6/08	2860	3/15/09	-3800	5/7/09	-3400
			TCE (µg/m^3)	8/20/08	745	11/6/08	-1580	3/15/09	3870	5/7/09	-2000
	30	27.5–32.5	CO_2 (µg/m^3)	8/20/08	29300000	11/6/08	30100000	3/15/09	42100000	5/7/09	35600000
			Freon-11 (µg/m^3)	8/20/08	82500	11/6/08	326000	3/15/09	232000	5/7/09	328000
			H_2O (µg/m^3)	8/20/08	15800000	11/6/08	9430000	3/15/09	12700000	5/7/09	62.9[b]
			PCE (µg/m^3)	8/20/08	730000	11/6/08	3180000	3/15/09	2360000	5/7/09	1980000
			Pressure Differential (kPa)	8/20/08	0	11/6/08	0	3/15/09	-0.02	5/7/09	0
			TCA (µg/m^3)	8/20/08	3590000	11/6/08	3420000	3/15/09	3690000	5/7/09	3000000
			TCE (µg/m^3)	8/20/08	258000	11/6/08	-32.1	3/15/09	-165000	5/7/09	183000
	75	71.5–76.5	CO_2 (µg/m^3)	8/20/08	22500000	11/6/08	22300000	3/15/09	33800000	5/7/09	36100000
			Freon-11 (µg/m^3)	8/20/08	95100	11/6/08	99600	3/15/09	84700	5/7/09	333000
			H_2O (µg/m^3)	8/20/08	15300000	11/6/08	9950000	3/15/09	11500000	5/7/09	63.6[b]
			PCE (µg/m^3)	8/20/08	702000	11/6/08	758000	3/15/09	681000	5/7/09	2000000
			Pressure Differential (kPa)	8/20/08	0	11/6/08	0	3/15/09	0	5/7/09	0.06
			TCA (µg/m^3)	8/20/08	2000000	11/6/08	2010000	3/15/09	2200000	5/7/09	3020000
			TCE (µg/m^3)	8/20/08	405000	11/6/08	401000	3/15/09	333000	5/7/09	180000
	116	114.5–119.5	CO_2 (µg/m^3)	8/20/08	29200000	11/6/08	28600000	3/15/09	40300000	5/7/09	36700000
			Freon-11 (µg/m^3)	8/20/08	113000	11/6/08	160000	3/15/09	140000	5/7/09	252000
			H_2O (µg/m^3)	8/20/08	15900000	11/6/08	10400000	3/15/09	12200000	5/7/09	63.8[b]
			PCE (µg/m^3)	8/20/08	960000	11/6/08	1470000	3/15/09	1330000	5/7/09	1480
			Pressure Differential (kPa)	8/20/08	0	11/6/08	0	3/15/09	-0.04	5/7/09	0.09
			TCA (µg/m^3)	8/20/08	3030000	11/6/08	2890000	3/15/09	2780000	5/7/09	2890000
			TCE (µg/m^3)	8/20/08	446000	11/6/08	372000	3/15/09	156000	5/7/09	476000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642	175	172.5–177.5	CO_2 (µg/m^3)	8/20/08	14900000	11/6/08	14800000	3/15/09	22400000	5/7/09	18800000
			Freon-11 (µg/m^3)	8/20/08	87000	11/6/08	86500	3/15/09	72900	5/7/09	112000
			H_2O (µg/m^3)	8/20/08	15300000	11/6/08	9580000	3/15/09	11500000	5/7/09	63.1[b]
			PCE (µg/m^3)	8/20/08	511000	11/6/08	537000	3/15/09	468000	5/7/09	436000
			Pressure Differential (kPa)	8/20/08	0.01	11/6/08	0.03	3/15/09	0.16	5/7/09	0
			TCA (µg/m^3)	8/20/08	1450000	11/6/08	1420000	3/15/09	1520000	5/7/09	1430000
			TCE (µg/m^3)	8/20/08	299000	11/6/08	291000	3/15/09	254000	5/7/09	370000
	235	232.5–237.5	CO_2 (µg/m^3)	8/20/08	11400000	11/6/08	11200000	3/15/09	17300000	5/7/09	14400000
			Freon-11 (µg/m^3)	8/20/08	75000	11/6/08	76200	3/15/09	62900	5/7/09	98400
			H_2O (µg/m^3)	8/20/08	15100000	11/6/08	8550000	3/15/09	11300000	5/7/09	62.8[b]
			PCE (µg/m^3)	8/20/08	428000	11/6/08	437000	3/15/09	389000	5/7/09	357000
			Pressure Differential (kPa)	8/20/08	0.02	11/6/08	0.06	3/15/09	0.19	5/7/09	0
			TCA (µg/m^3)	8/20/08	877000	11/6/08	851000	3/15/09	920000	5/7/09	880000
			TCE (µg/m^3)	8/20/08	207000	11/6/08	192000	3/15/09	174000	5/7/09	259000
	275	272.5–277.5	CO_2 (µg/m^3)	8/20/08	9000000	11/6/08	9000000	3/15/09	13900000	5/7/09	10800000
			Freon-11 (µg/m^3)	8/20/08	56200	11/6/08	56500	3/15/09	48000	5/7/09	71300
			H_2O (µg/m^3)	8/20/08	15200000	11/6/08	8550000	3/15/09	11800000	5/7/09	58.7[b]
			PCE (µg/m^3)	8/20/08	319000	11/6/08	339000	3/15/09	298000	5/7/09	255000
			Pressure Differential (kPa)	8/20/08	0.02	11/6/08	0.08	3/15/09	0.18	5/7/09	0
			TCA (µg/m^3)	8/20/08	497000	11/6/08	490000	3/15/09	526000	5/7/09	483000
			TCE (µg/m^3)	8/20/08	136000	11/6/08	133000	3/15/09	114000	5/7/09	160000
	338	335.5–340.5	CO_2 (µg/m^3)	8/20/08	4500000	11/6/08	4660000	3/15/09	7080000	5/7/09	5610000
			Freon-11 (µg/m^3)	8/20/08	14500	11/6/08	16900	3/15/09	12900	5/7/09	19400

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642	338	335.5–340.5	H_2O (µg/m^3)	8/20/08	15000000	11/6/08	8620000	3/15/09	12400000	5/7/09	61.2[b]
			PCE (µg/m^3)	8/20/08	86200	11/6/08	96600	3/15/09	86400	5/7/09	67200
			Pressure Differential (kPa)	8/20/08	0	11/6/08	0	3/15/09	0.11	5/7/09	0.04
			TCA (µg/m^3)	8/20/08	84000	11/6/08	78700	3/15/09	77900	5/7/09	78400
			TCE (µg/m^3)	8/20/08	31900	11/6/08	33400	3/15/09	28300	5/7/09	34000
54-27643	Ambient	Ambient	CO_2 (µg/m^3)	8/12/08	650000	11/21/08	886000	3/17/09	893000	5/15/09	813000
			Freon-11 (µg/m^3)	8/12/08	257	11/21/08	-636	3/17/09	-32	5/15/09	44.7
			H_2O (µg/m^3)	8/12/08	13500000	11/21/08	3210000	3/17/09	4430000	5/15/09	33.2[b]
			PCE (µg/m^3)	8/12/08	1810	11/21/08	960	3/17/09	4670	5/15/09	-1400
			Pressure Differential (kPa)	8/12/08		11/21/08	0	3/17/09	0	5/15/09	0
			TCA (µg/m^3)	8/12/08	-2650	11/21/08	-2290	3/17/09	-2700	5/15/09	-1800
			TCE (µg/m^3)	8/12/08	-370	11/21/08	3410	3/17/09	3480	5/15/09	-380
	30	27.5–32.5	CO_2 (µg/m^3)	8/12/08	12800000	11/21/08	12500000	3/17/09	16700000	5/15/09	14500000
			Freon-11 (µg/m^3)	8/12/08	18000	11/21/08	18300	3/17/09	17400	5/15/09	32200
			H_2O (µg/m^3)	8/12/08	14800000	11/21/08	7960000	3/17/09	12200000	5/15/09	59.7[b]
			PCE (µg/m^3)	8/12/08	142000	11/21/08	154000	3/17/09	154000	5/15/09	175000
			Pressure Differential (kPa)	8/12/08	0	11/21/08	0.03	3/17/09	0.04	5/15/09	0
			TCA (µg/m^3)	8/12/08	471000	11/21/08	454000	3/17/09	478000	5/15/09	454000
			TCE (µg/m^3)	8/12/08	71800	11/21/08	71800	3/17/09	49500	5/15/09	78200
	74	71.5–76.5	CO_2 (µg/m^3)	8/12/08	12700000	11/21/08	12500000	3/17/09	19100000	5/15/09	15900000
			Freon-11 (µg/m^3)	8/12/08	27700	11/21/08	27000	3/17/09	21500	5/15/09	37000
			H_2O (µg/m^3)	8/12/08	13900000	11/21/08	8700000	3/17/09	10600000	5/15/09	60.2[b]
			PCE (µg/m^3)	8/12/08	206000	11/21/08	211000	3/17/09	179000	5/15/09	187000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643	74	71.5–76.5	Pressure Differential (kPa)	8/12/08	-0.01	11/21/08	0.06	3/17/09	0	5/15/09	-0.04
			TCA (µg/m^3)	8/12/08	633,000	11/21/08	601,000	3/17/09	668,000	5/15/09	618,000
			TCE (µg/m^3)	8/12/08	123,000	11/21/08	112,000	3/17/09	100,000	5/15/09	141,000
	117	114.5–119.5	CO_2 (µg/m^3)	8/12/08	11,000,000	11/21/08	11,500,000	3/17/09	17,700,000	5/15/09	14,700,000
			Freon-11 (µg/m^3)	8/12/08	33,300	11/21/08	35,700	3/17/09	28,300	5/15/09	44,700
			H_2O (µg/m^3)	8/12/08	13,400,000	11/21/08	8,250,000	3/17/09	10,700,000	5/15/09	59.5[b]
			PCE (µg/m^3)	8/12/08	206,000	11/21/08	229,000	3/17/09	190,000	5/15/09	194,000
			Pressure Differential (kPa)	8/12/08	-0.05	11/21/08	0.07	3/17/09	-0.12	5/15/09	-0.09
			TCA (µg/m^3)	8/12/08	638,000	11/21/08	659,000	3/17/09	716,000	5/15/09	652,000
			TCE (µg/m^3)	8/12/08	123,000	11/21/08	124,000	3/17/09	112,000	5/15/09	153,000
	167	164.5–169.5	CO_2 (µg/m^3)	8/12/08	8,080,000	11/21/08	9,410,000	3/17/09	14,800,000	5/15/09	12,100,000
			Freon-11 (µg/m^3)	8/12/08	36,500	11/21/08	42,700	3/17/09	36,400	5/15/09	55,100
			H_2O (µg/m^3)	8/12/08	12,500,000	11/21/08	8,700,000	3/17/09	10,300,000	5/15/09	60.9[b]
			PCE (µg/m^3)	8/12/08	209,000	11/21/08	252,000	3/17/09	223,000	5/15/09	213,000
			Pressure Differential (kPa)	8/12/08	-0.02	11/21/08	0	3/17/09	-0.31	5/15/09	-0.12
			TCA (µg/m^3)	8/12/08	537,000	11/21/08	617,000	3/17/09	698,000	5/15/09	627,000
			TCE (µg/m^3)	8/12/08	106,000	11/21/08	117,000	3/17/09	114,000	5/15/09	159,000
	235	232.5–237.5	CO_2 (µg/m^3)	8/12/08	7,150,000	11/21/08	7,420,000	3/17/09	11,600,000	5/15/09	10,500,000
			Freon-11 (µg/m^3)	8/12/08	38,400	11/21/08	40,300	3/17/09	34,200	5/15/09	59,400
			H_2O (µg/m^3)	8/12/08	12,700,000	11/21/08	8,770,000	3/17/09	9,900,000	5/15/09	60[b]
			PCE (µg/m^3)	8/12/08	218,000	11/21/08	236,000	3/17/09	211,000	5/15/09	219,000
			Pressure Differential (kPa)	8/12/08	-0.01	11/21/08	0	3/17/09	-0.41	5/15/09	-0.13

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643	235	232.5–237.5	TCA (µg/m^3)	8/12/08	417,000	11/21/08	425,000	3/17/09	477,000	5/15/09	488,000
			TCE (µg/m^3)	8/12/08	94,300	11/21/08	92,200	3/17/09	87,200	5/15/09	136,000
	275	272.5–277.5	CO_2 (µg/m^3)	8/12/08	5,690,000	11/21/08	5,940,000	3/17/09	9,710,000	5/15/09	8,170,000
			Freon-11 (µg/m^3)	8/12/08	28,700	11/21/08	30,500	3/17/09	27,000	5/15/09	45,000
			H_2O (µg/m^3)	8/12/08	12,500,000	11/21/08	8,400,000	3/17/09	9,980,000	5/15/09	59.7[b]
			PCE (µg/m^3)	8/12/08	162,000	11/21/08	178,000	3/17/09	169,000	5/15/09	164,000
			Pressure Differential (kPa)	8/12/08	0	11/21/08	0	3/17/09	-0.38	5/15/09	-0.12
			TCA (µg/m^3)	8/12/08	241,000	11/21/08	238,000	3/17/09	291,000	5/15/09	272,000
			TCE (µg/m^3)	8/12/08	61,100	11/21/08	61,100	3/17/09	57,800	5/15/09	86,500
	354	351.5–356.5	CO_2 (µg/m^3)	8/12/08	3,130,000	11/21/08	3,470,000	3/17/09	5,870,000	5/15/09	4,880,000
			Freon-11 (µg/m^3)	8/12/08	8070	11/21/08	8700	3/17/09	8030	5/15/09	13,300
			H_2O (µg/m^3)	8/12/08	11,900,000	11/21/08	8,110,000	3/17/09	10,100,000	5/15/09	58.6[b]
			PCE (µg/m^3)	8/12/08	46,000	11/21/08	53,200	3/17/09	54,300	5/15/09	47,700
			Pressure Differential (kPa)	8/12/08	-0.07	11/21/08	0.09	3/17/09	-0.12	5/15/09	-0.1
			TCA (µg/m^3)	8/12/08	37,300	11/21/08	32,100	3/17/09	44,600	5/15/09	47,400
			TCE (µg/m^3)	8/12/08	12,900	11/21/08	14,200	3/17/09	12,300	5/15/09	18,000

[a] NS = Not sampled.

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

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

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

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

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	Carbon Tetrachloride	8/27/08	270	1700	11/14/08	ND[a]	ND	3/10/09	ND	ND	5/5/09	ND	ND
			Chloroform	8/27/08	ND	ND	11/14/08	920	4500	3/10/09	730	3600	5/5/09	1000	4900
			Dichlorodifluoromethane	8/27/08	1600	8000	11/14/08	1400	7000	3/10/09	990	4900	5/5/09	1000	5100
			Dichloroethane[1,1-]	8/27/08	9500	38,000	11/14/08	8200	33,000	3/10/09	7100	29,000	5/5/09	9700	39,000
			Dichloroethane[1,2-]	8/27/08	20,000	80,000	11/14/08	16,000	67,000	3/10/09	13,000	54,000	5/5/09	18,000	73,000
			Dichloroethene[1,1-]	8/27/08	2500	10,000	11/14/08	21,000	83,000	3/10/09	2500	10,000	5/5/09	3100	12,000
			Dichloropropane[1,2-]	8/27/08	640	3000	11/14/08	480	2200	3/10/09	380	1800	5/5/09	540	2500
			Hexane	8/27/08	210	740	11/14/08	450	1600	3/10/09	ND	ND	5/5/09	ND	ND
			Methylene Chloride	8/27/08	10,000	36,000	11/14/08	7400	26,000	3/10/09	4600	16,000	5/5/09	6300	22,000
			Tetrachloroethene	8/27/08	20,000	130,000	11/14/08	22,000	150,000	3/10/09	18,000	120,000	5/5/09	23,000	160,000
			Toluene	8/27/08	280	1000	11/14/08	ND	ND	3/10/09	ND	ND	5/5/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/27/08	4700	36,000	11/14/08	3900	30,000	3/10/09	3100	24,000	5/5/09	5700	43,000
			Trichloroethane[1,1,1-]	8/27/08	120,000	680,000	11/14/08	180,000	980,000	3/10/09	190,000	1,000,000	5/5/09	240,000	1,300,000
			Trichloroethene	8/27/08	51,000	280,000	11/14/08	64,000	340,000	3/10/09	59,000	320,000	5/5/09	74,000	400,000
			Trichlorofluoromethane	8/27/08	1500	8500	11/14/08	1400	7900	3/10/09	920	5100	5/5/09	1300	7300
	80	77.5–82.5	Carbon Tetrachloride	8/27/08	220	1400	11/14/08	ND	ND	3/10/09	ND	ND	5/5/09	ND	ND
			Chloroform	8/27/08	ND	ND	11/14/08	980	4800	3/10/09	1100	5400	5/5/09	1000	4900
			Dichlorodifluoromethane	8/27/08	1400	7000	11/14/08	1500	7500	3/10/09	1600	8000	5/5/09	1100	5600
			Dichloroethane[1,1-]	8/27/08	7800	31,000	11/14/08	7900	32,000	3/10/09	8100	33,000	5/5/09	7600	31,000
			Dichloroethane[1,2-]	8/27/08	15,000	61,000	11/14/08	16,000	64,000	3/10/09	16,000	65,000	5/5/09	15,000	61,000
			Dichloroethene[1,1-]	8/27/08	2800	11,000	11/14/08	22,000	89,000	3/10/09	4100	16,000	5/5/09	3900	16,000
			Dichloropropane[1,2-]	8/27/08	840	3900	11/14/08	670	3100	3/10/09	720	3400	5/5/09	680	3200
			Hexane	8/27/08	200	700	11/14/08	ND	ND	3/10/09	ND	ND	5/5/09	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	Methylene Chloride	8/27/08	12,000	40,000	11/14/08	12,000	40,000	3/10/09	11,000	38,000	5/5/09	9500	33,000
			Tetrachloroethene	8/27/08	18,000	130,000	11/14/08	21,000	140,000	3/10/09	22,000	150,000	5/5/09	21,000	140,000
			Toluene	8/27/08	200	760	11/14/08	ND	ND	3/10/09	ND	ND	5/5/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/27/08	3600	28,000	11/14/08	3300	26,000	3/10/09	3600	28,000	5/5/09	3800	30,000
			Trichloroethane[1,1,1-]	8/27/08	120,000	680,000	11/14/08	200,000	1,100,000	3/10/09	220,000	1,200,000	5/5/09	190,000	1,000,000
			Trichloroethene	8/27/08	38,000	200,000	11/14/08	43,000	230,000	3/10/09	50,000	270,000	5/5/09	47,000	250,000
			Trichlorofluoromethane	8/27/08	1200	6500	11/14/08	1400	7800	3/10/09	1200	6600	5/5/09	1100	6300
	120	117.5–122.5	Carbon Tetrachloride	8/27/08	170	1100	11/14/08	ND	ND	3/10/09	ND	ND	5/5/09	ND	ND
			Chloroform	8/27/08	ND	ND	11/14/08	960	4700	3/10/09	1000	5000	5/5/09	1100	5200
			Dichlorodifluoromethane	8/27/08	870	4300	11/14/08	1100	5200	3/10/09	1300	6600	5/5/09	1100	5400
			Dichloroethane[1,1-]	8/27/08	6300	25,000	11/14/08	6100	24,000	3/10/09	6300	25,000	5/5/09	6700	27,000
			Dichloroethane[1,2-]	8/27/08	9900	40,000	11/14/08	10,000	41,000	3/10/09	10,000	42,000	5/5/09	11,000	44,000
			Dichloroethene[1,1-]	8/27/08	4300	17,000	11/14/08	23,000	90,000	3/10/09	5200	21,000	5/5/09	5900	23,000
			Dichloropropane[1,2-]	8/27/08	1000	4600	11/14/08	750	3500	3/10/09	840	3900	5/5/09	900	4100
			Methylene Chloride	8/27/08	9200	32,000	11/14/08	9300	32,000	3/10/09	9800	34,000	5/5/09	10,000	36,000
			Tetrachloroethene	8/27/08	8800	60,000	11/14/08	8200	56,000	3/10/09	9200	63,000	5/5/09	10,000	70,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/27/08	2900	22,000	11/14/08	2600	20,000	3/10/09	2800	21,000	5/5/09	3200	24,000
			Trichloroethane[1,1,1-]	8/27/08	130,000	700,000	11/14/08	190,000	1,000,000	3/10/09	200,000	1,100,000	5/5/09	180,000	1,000,000
			Trichloroethene	8/27/08	34,000	180,000	11/14/08	34,000	180,000	3/10/09	37,000	200,000	5/5/09	39,000	210,000
			Trichlorofluoromethane	8/27/08	760	4300	11/14/08	900	5100	3/10/09	850	4800	5/5/09	950	5300
	140	137.5–142.5	Carbon Tetrachloride	8/27/08	190	1200	11/14/08	ND	ND	3/10/09	ND	ND	5/5/09	ND	ND
			Chloroform	8/27/08	ND	ND	11/14/08	980	4800	3/10/09	1000	5100	5/5/09	1100	5400
			Dichlorodifluoromethane	8/27/08	980	4800	11/14/08	1200	5800	3/10/09	1400	7000	5/5/09	1200	5700
			Dichloroethane[1,1-]	8/27/08	6900	28,000	11/14/08	6600	26,000	3/10/09	6800	28,000	5/5/09	7300	29,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-02001	140	137.5–142.5	Dichloroethane[1,2-]	8/27/08	12,000	48,000	11/14/08	12,000	47,000	3/10/09	12,000	48,000	5/5/09	12,000	49,000
			Dichloroethene[1,1-]	8/27/08	4200	17,000	11/14/08	20,000	80,000	3/10/09	5200	21,000	5/5/09	5700	23,000
			Dichloropropane[1,2-]	8/27/08	1100	5100	11/14/08	690	3200	3/10/09	880	4000	5/5/09	900	4200
			Methylene Chloride	8/27/08	11,000	37,000	11/14/08	11,000	38,000	3/10/09	12,000	40,000	5/5/09	12,000	40,000
			Tetrachloroethene	8/27/08	11,000	74,000	11/14/08	10,000	68,000	3/10/09	11,000	75,000	5/5/09	12,000	82,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/27/08	3100	24,000	11/14/08	2600	20,000	3/10/09	3000	23,000	5/5/09	3300	25,000
			Trichloroethane[1,1,1-]	8/27/08	130,000	710,000	11/14/08	210,000	1,100,000	3/10/09	210,000	1,100,000	5/5/09	190,000	1,000,000
			Trichloroethene	8/27/08	36,000	190,000	11/14/08	35,000	190,000	3/10/09	40,000	210,000	5/5/09	40,000	220,000
			Trichlorofluoromethane	8/27/08	820	4600	11/14/08	940	5300	3/10/09	930	5200	5/5/09	1000	5700
54-02002	40	37.5–42.5	Benzene	8/7/08	620	2000	11/17/08	860	2800	3/19/09	830	2700	5/19/09	860	2800
			Carbon Tetrachloride	8/7/08	460	2900	11/17/08	ND	ND	3/19/09	1000	6300	5/19/09	1000	6400
			Chlorobenzene	8/7/08	260	1200	11/17/08	360	1700	3/19/09	360	1700	5/19/09	350	1600
			Chloroform	8/7/08	3400	17,000	11/17/08	5800	28,000	3/19/09	5400	26,000	5/19/09	5700	28,000
			Dichlorodifluoromethane	8/7/08	ND	ND	11/17/08	420	2100	3/19/09	460	2300	5/19/09	480	2300
			Dichloroethane[1,1-]	8/7/08	2000	8100	11/17/08	3600	15,000	3/19/09	3500	14,000	5/19/09	3900	16,000
			Dichloroethane[1,2-]	8/7/08	3000	12,000	11/17/08	5200	21,000	3/19/09	4500	18,000	5/19/09	4900	20,000
			Dichloroethene[1,1-]	8/7/08	5300	21,000	11/17/08	20,000	81,000	3/19/09	10,000	39,000	5/19/09	12,000	47,000
			Dichloropropane[1,2-]	8/7/08	5900	27,000	11/17/08	9700	45,000	3/19/09	8500	40,000	5/19/09	9800	45,000
			Ethanol	8/7/08	ND	ND	11/17/08	3400	6400	3/19/09	2700 (J-)	5000 (J-)	5/19/09	2900 (J)	5500 (J)
			Hexane	8/7/08	200	720	11/17/08	ND	ND	3/19/09	ND	ND	5/19/09	320	1100
			Methylene Chloride	8/7/08	10,000	36,000	11/17/08	19,000	65,000	3/19/09	18,000	64,000	5/19/09	21,000	74,000
			Tetrachloroethene	8/7/08	3500	24,000	11/17/08	5600	38,000	3/19/09	4600	32,000	5/19/09	5000	34,000
			Tetrahydrofuran	8/7/08	ND	ND	11/17/08	ND	ND	3/19/09	ND	ND	5/19/09	370	1100
			Toluene	8/7/08	1100	4200	11/17/08	1600	6200	3/19/09	1300	5100	5/19/09	1400	5500

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/7/08	16,000	120,000	11/17/08	24,000	190,000	3/19/09	27,000	210,000	5/19/09	31,000	240,000
			Trichloroethane[1,1,1-]	8/7/08	90,000	490,000	11/17/08	200,000	1,100,000	3/19/09	170,000	940,000	5/19/09	180,000	960,000
			Trichloroethene	8/7/08	28,000	150,000	11/17/08	49,000	260,000	3/19/09	45,000	240,000	5/19/09	47,000	250,000
			Trichlorofluoromethane	8/7/08	2600	14,000	11/17/08	4300	24,000	3/19/09	4000	23,000	5/19/09	4400	25,000
			Xylene[1,2-]	8/7/08	530	2300	11/17/08	760	3300	3/19/09	620	2700	5/19/09	670	2900
			Xylene[1,3-] +Xylene[1,4-]	8/7/08	240	1100	11/17/08	580	2500	3/19/09	ND	ND	5/19/09	270	1200
	100	97.5–102.5	Benzene	8/7/08	610	2000	11/17/08	570	1800	3/19/09	590	1900	5/19/09	590	1900
			Carbon Tetrachloride	8/7/08	580	3600	11/17/08	ND	ND	3/19/09	990	6200	5/19/09	980	6200
			Chlorobenzene	8/7/08	370	1700	11/17/08	310	1400	3/19/09	ND	ND	5/19/09	ND	ND
			Chloroform	8/7/08	4800	23,000	11/17/08	6000	29,000	3/19/09	5300	26,000	5/19/09	5500	27,000
			Dichlorodifluoromethane	8/7/08	ND	ND	11/17/08	320	1600	3/19/09	ND	ND	5/19/09	ND	ND
			Dichloroethane[1,1-]	8/7/08	3900	16,000	11/17/08	5200	21,000	3/19/09	4600	19,000	5/19/09	5100	20,000
			Dichloroethane[1,2-]	8/7/08	4100	17,000	11/17/08	5000	20,000	3/19/09	4400	18,000	5/19/09	4500	18,000
			Dichloroethene[1,1-]	8/7/08	5800	23,000	11/17/08	23,000	90,000	3/19/09	7800	31,000	5/19/09	9000	36,000
			Dichloropropane[1,2-]	8/7/08	12,000	55,000	11/17/08	13,000	58,000	3/19/09	12,000	56,000	5/19/09	13,000	60,000
			Ethanol	8/7/08	ND	ND	11/17/08	4000	7500	3/19/09	3000 (J-)	5800 (J-)	5/19/09	3200 (J)	6100 (J)
			Methylene Chloride	8/7/08	11,000	38,000	11/17/08	13,000	46,000	3/19/09	13,000	46,000	5/19/09	14,000	50,000
			Tetrachloroethene	8/7/08	5600	38,000	11/17/08	6000	40,000	3/19/09	5300	36,000	5/19/09	5400	36,000
			Tetrahydrofuran	8/7/08	7300	21,000	11/17/08	7600	22,000	3/19/09	6800	20,000	5/19/09	8200	24,000
			Toluene	8/7/08	1900	7100	11/17/08	1700	6400	3/19/09	1700	6300	5/19/09	1700	6300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/7/08	26,000	200,000	11/17/08	32,000	250,000	3/19/09	39,000	300,000	5/19/09	46,000	360,000
			Trichloroethane[1,1,1-]	8/7/08	140,000	790,000	11/17/08	260,000	1,400,000	3/19/09	210,000	1,100,000	5/19/09	210,000	1,200,000
			Trichloroethene	8/7/08	40,000	220,000	11/17/08	48,000	260,000	3/19/09	47,000	250,000	5/19/09	47,000	250,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	100	97.5–102.5	Trichlorofluoromethane	8/7/08	2700	15,000	11/17/08	3300	19,000	3/19/09	3000	17,000	5/19/09	3000	17,000
			Xylene[1,2-]	8/7/08	780	3400	11/17/08	650	2800	3/19/09	610	2600	5/19/09	590	2500
			Xylene[1,3-] +Xylene[1,4-]	8/7/08	690	3000	11/17/08	550	2400	3/19/09	560	2400	5/19/09	510	2200
	120	117.5–122.5	Benzene	8/7/08	700	2200	11/17/08	710	2300	3/19/09	710	2300	NS[b]	NS	NS
			Carbon Tetrachloride	8/7/08	570	3600	11/17/08	960	6000	3/19/09	1100	6700	NS	NS	NS
			Chlorobenzene	8/7/08	360	1700	11/17/08	330	1500	3/19/09	360	1600	NS	NS	NS
			Chloroform	8/7/08	4500	22,000	11/17/08	5700	28,000	3/19/09	5400	26,000	NS	NS	NS
			Dichlorodifluoromethane	8/7/08	ND	ND	11/17/08	360	1800	3/19/09	420	2100	NS	NS	NS
			Dichloroethane[1,1-]	8/7/08	3200	13,000	11/17/08	4000	16,000	3/19/09	4200	17,000	NS	NS	NS
			Dichloroethane[1,2-]	8/7/08	4200	17,000	11/17/08	5400	22,000	3/19/09	4800	20,000	NS	NS	NS
			Dichloroethene[1,1-]	8/7/08	6300	25,000	11/17/08	21,000	83,000	3/19/09	9100	36,000	NS	NS	NS
			Dichloropropane[1,2-]	8/7/08	9600	44,000	11/17/08	10,000	48,000	3/19/09	11,000	50,000	NS	NS	NS
			Ethanol	8/7/08	ND	ND	11/17/08	3600	6800	3/19/09	3000 (J-)	5600 (J-)	NS	NS	NS
			Methylene Chloride	8/7/08	13,000	44,000	11/17/08	16,000	57,000	3/19/09	17,000	60,000	NS	NS	NS
			Tetrachloroethene	8/7/08	5000	34,000	11/17/08	5600	38,000	3/19/09	5100	34,000	NS	NS	NS
			Tetrahydrofuran	8/7/08	2000	6000	11/17/08	2000	5800	3/19/09	2300	6900	NS	NS	NS
			Toluene	8/7/08	1400	5200	11/17/08	1400	5300	3/19/09	1300	5100	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/7/08	22,000	170,000	11/17/08	25,000	190,000	3/19/09	31,000	240,000	NS	NS	NS
			Trichloroethane[1,1,1-]	8/7/08	130,000	700,000	11/17/08	220,000	1,200,000	3/19/09	200,000	1,100,000	NS	NS	NS
			Trichloroethene	8/7/08	38,000	200,000	11/17/08	46,000	240,000	3/19/09	47,000	250,000	NS	NS	NS
			Trichlorofluoromethane	8/7/08	2900	16,000	11/17/08	3700	21,000	3/19/09	3600	20,000	NS	NS	NS
			Xylene[1,2-]	8/7/08	750	3200	11/17/08	710	3100	3/19/09	660	2900	NS	NS	NS
			Xylene[1,3-] +Xylene[1,4-]	8/7/08	480	2100	11/17/08	490	2100	3/19/09	440	1900	NS	NS	NS

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-02002	140	137.5–142.5	Carbon Tetrachloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	5/19/09	380	2400
			Chloroform	NS	NS	NS	NS	NS	NS	NS	NS	NS	5/19/09	3100	15,000
			Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	5/19/09	250	1200
			Dichloroethane[1,1-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	5/19/09	4000	16,000
			Dichloroethane[1,2-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	5/19/09	740	3000
			Dichloroethene[1,1-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	5/19/09	3800	15,000
			Dichloropropane[1,2-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	5/19/09	6800	32,000
			Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	5/19/09	3200	22,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	5/19/09	43,000	330,000
			Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	5/19/09	140,000	780,000
			Trichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	5/19/09	26,000	140,000
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	5/19/09	1000	5800
	180	177.5–182.5	Benzene	8/7/08	680	2200	11/17/08	720	2300	3/19/09	720	2300	5/19/09	710	2300
			Carbon Tetrachloride	8/7/08	550	3500	11/17/08	ND	ND	3/19/09	910	5800	5/19/09	970	6100
			Chlorobenzene	8/7/08	340	1600	11/17/08	330	1500	3/19/09	360	1700	5/19/09	ND	ND
			Chloroform	8/7/08	4400	22,000	11/17/08	5700	28,000	3/19/09	5600	27,000	5/19/09	5500	27,000
			Dichlorodifluoromethane	8/7/08	ND	ND	11/17/08	400	2000	3/19/09	430	2100	5/19/09	ND	ND
			Dichloroethane[1,1-]	8/7/08	3100	12,000	11/17/08	4000	16,000	3/19/09	4200	17,000	5/19/09	4400	18,000
			Dichloroethane[1,2-]	8/7/08	4100	17,000	11/17/08	5100	21,000	3/19/09	5000	20,000	5/19/09	4900	20,000
			Dichloroethene[1,1-]	8/7/08	6300	25,000	11/17/08	22,000	86,000	3/19/09	9400	37,000	5/19/09	10,000	41,000
			Dichloropropane[1,2-]	8/7/08	9300	43,000	11/17/08	10,000	46,000	3/19/09	11,000	52,000	5/19/09	11,000	52,000
			Ethanol	8/7/08	ND	ND	11/17/08	4100	7700	3/19/09	3400 (J-)	6500 (J-)	5/19/09	3400 (J)	6400 (J)
			Methylene Chloride	8/7/08	12,000	44,000	11/17/08	16,000	57,000	3/19/09	18,000	62,000	5/19/09	19,000	66,000
			Tetrachloroethene	8/7/08	4700	32,000	11/17/08	5400	36,000	3/19/09	5100	35,000	5/19/09	5100	34,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-02002	180	177.5–182.5	Tetrahydrofuran	8/7/08	1500	4500	11/17/08	1800	5200	3/19/09	2200	6600	5/19/09	2500	7300
			Toluene	8/7/08	1100	4300	11/17/08	1200	4600	3/19/09	1200	4500	5/19/09	1200	4500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/7/08	22,000	170,000	11/17/08	27,000	210,000	3/19/09	32,000	240,000	5/19/09	36,000	270,000
			Trichloroethane[1,1,1-]	8/7/08	120,000	680,000	11/17/08	220,000	1,200,000	3/19/09	200,000	1,100,000	5/19/09	190,000	1,000,000
			Trichloroethene	8/7/08	37,000	200,000	11/17/08	46,000	250,000	3/19/09	48,000	260,000	5/19/09	46,000	250,000
			Trichlorofluoromethane	8/7/08	2900	16,000	11/17/08	4000	23,000	3/19/09	3700	21,000	5/19/09	3600	20,000
			Xylene[1,2-]	8/7/08	680	3000	11/17/08	660	2900	3/19/09	650	2800	5/19/09	600	2600
			Xylene[1,3-] +Xylene[1,4-]	8/7/08	380	1600	11/17/08	310	1400	3/19/09	330	1400	5/19/09	ND	ND
54-02016	18	15.5–20.5	Benzene	8/20/08	1000	3300	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Carbon Tetrachloride	8/20/08	1000	6300	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Chloroform	8/20/08	8100	40,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	8/20/08	7700	31,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	8/20/08	11,000	44,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	8/20/08	14,000	56,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	8/20/08	36,000	160,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Ethanol	8/20/08	5500	10,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Methylene Chloride	8/20/08	44,000	150,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	8/20/08	9800	66,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Toluene	8/20/08	750	2800	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/20/08	50,000	380,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	8/20/08	270,000	1,500,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethene	8/20/08	82,000	440,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	8/20/08	4400	25,000	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	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	8/20/08	450	2800	11/4/08	ND	ND	3/12/09	ND	ND	5/13/09	880	5500
			Chloroform	8/20/08	3200	16,000	11/4/08	4500	22,000	3/12/09	3600	18,000	5/13/09	3600	17,000
			Dichlorodifluoromethane	8/20/08	ND	ND	11/4/08	ND	ND	3/12/09	920	4500	5/13/09	660	3200
			Dichloroethane[1,1-]	8/20/08	5800	23,000	11/4/08	8800	35,000	3/12/09	6800	28,000	5/13/09	7200	29,000
			Dichloroethane[1,2-]	8/20/08	28,000	110,000	11/4/08	50,000	200,000	3/12/09	54,000	220,000	5/13/09	62,000	250,000
			Dichloroethene[1,1-]	8/20/08	6500	26,000	11/4/08	54,000	210,000	3/12/09	8500	34,000	5/13/09	10,000	39,000
			Dichloropropane[1,2-]	8/20/08	10,000	46,000	11/4/08	12,000	55,000	3/12/09	9100	42,000	5/13/09	9800	45,000
			Tetrachloroethene	8/20/08	5000	34,000	11/4/08	5200	36,000	3/12/09	4000	27,000	5/13/09	4700	32,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/20/08	36,000	280,000	11/4/08	63,000	480,000	3/12/09	88,000	670,000	5/13/09	110,000	830,000
			Trichloroethane[1,1,1-]	8/20/08	170,000	920,000	11/4/08	360,000	2,000,000	3/12/09	290,000	1,600,000	5/13/09	270,000	1,500,000
			Trichloroethene	8/20/08	46,000	250,000	11/4/08	68,000	360,000	3/12/09	56,000	300,000	5/13/09	56,000	300,000
			Trichlorofluoromethane	8/20/08	1400	8100	11/4/08	2300	13,000	3/12/09	1600	9300	5/13/09	1700	9600
	82	79.5–84.5	Carbon Tetrachloride	NS	NS	NS	11/4/08	ND	ND	3/12/09	ND	ND	5/13/09	480	3000
			Chloroform	NS	NS	NS	11/4/08	2300	11,000	3/12/09	1500	7400	5/13/09	1100	5300
			Dichlorodifluoromethane	NS	NS	NS	11/4/08	470	2300	3/12/09	730	3600	5/13/09	390	1900
			Dichloroethane[1,1-]	NS	NS	NS	11/4/08	4600	19,000	3/12/09	3500	14,000	5/13/09	2700	11,000
			Dichloroethane[1,2-]	NS	NS	NS	11/4/08	4400	18,000	3/12/09	4400	18,000	5/13/09	3000	12,000
			Dichloroethene[1,1-]	NS	NS	NS	11/4/08	36,000	140,000	3/12/09	6900	28,000	5/13/09	5800	23,000
			Dichloropropane[1,2-]	NS	NS	NS	11/4/08	4200	19,000	3/12/09	2700	12,000	5/13/09	2100	9700
			Tetrachloroethene	NS	NS	NS	11/4/08	3300	23,000	3/12/09	2600	18,000	5/13/09	2400	16,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	11/4/08	60,000	460,000	3/12/09	75,000	570,000	5/13/09	68,000	520,000
			Trichloroethane[1,1,1-]	NS	NS	NS	11/4/08	260,000	1,400,000	3/12/09	200,000	1,100,000	5/13/09	150,000	800,000
			Trichloroethene	NS	NS	NS	11/4/08	40,000	220,000	3/12/09	32,000	170,000	5/13/09	25,000	130,000
			Trichlorofluoromethane	NS	NS	NS	11/4/08	1500	8600	3/12/09	1400	7800	5/13/09	1000	5900

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	8/25/08	74 (J)	460 (J)	11/12/08	ND	ND	3/11/09	ND	ND	5/5/09	ND	ND
			Chloroform	8/25/08	160 (J)	800 (J)	11/12/08	87	420	3/11/09	100	510	5/5/09	86	420
			Dichlorodifluoromethane	8/25/08	240 (J)	1200 (J)	11/12/08	110	560	3/11/09	160	780	5/5/09	110	520
			Dichloroethane[1,1-]	8/25/08	810 (J)	3300 (J)	11/12/08	590	2400	3/11/09	660	2700	5/5/09	570	2300
			Dichloroethane[1,2-]	8/25/08	340 (J)	1400 (J)	11/12/08	400	1600	3/11/09	400	1600	5/5/09	340	1400
			Dichloroethene[1,1-]	8/25/08	1900 (J)	7400 (J)	11/12/08	3200	13,000	3/11/09	780	3100	5/5/09	770	3000
			Dichloropropane[1,2-]	8/25/08	ND	ND	11/12/08	80	370	3/11/09	78	360	5/5/09	63	290
			Methylene Chloride	8/25/08	960 (J)	3400 (J)	11/12/08	ND	ND	3/11/09	ND	ND	5/5/09	ND	ND
			Tetrachloroethene	8/25/08	800 (J)	5400 (J)	11/12/08	490	3300	3/11/09	530	3600	5/5/09	550	3700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/25/08	1200 (J)	8800 (J)	11/12/08	260	2000	3/11/09	320	2400	5/5/09	310	2400
			Trichloroethane[1,1,1-]	8/25/08	33,000 (J)	180,000 (J)	11/12/08	19,000	100,000	3/11/09	22,000	120,000	5/5/09	18,000	96,000
			Trichloroethene	8/25/08	8300 (J)	44000 (J)	11/12/08	4000	22,000	3/11/09	4100	22,000	5/5/09	3600	19,000
			Trichlorofluoromethane	8/25/08	270 (J)	1500 (J)	11/12/08	83	460	3/11/09	100	590	5/5/09	89	500
	100	90–110	Chloroform	8/25/08	230 (J)	1100 (J)	11/12/08	250	1200	3/11/09	250	1200	5/5/09	250	1200
			Dichlorodifluoromethane	8/25/08	190 (J)	960 (J)	11/12/08	280	1400	3/11/09	340	1700	5/5/09	280	1400
			Dichloroethane[1,1-]	8/25/08	1400 (J)	5600 (J)	11/12/08	1400	5900	3/11/09	1500	6300	5/5/09	1600	6600
			Dichloroethane[1,2-]	8/25/08	1700 (J)	6800 (J)	11/12/08	1900	7800	3/11/09	1800	7200	5/5/09	1900	7500
			Dichloroethene[1,1-]	8/25/08	1500 (J)	5900 (J)	11/12/08	9000	36,000	3/11/09	1900	7400	5/5/09	2100	8200
			Dichloropropane[1,2-]	8/25/08	220 (J)	1000 (J)	11/12/08	200	920	3/11/09	220	1000	5/5/09	220	1000
			Methylene Chloride	8/25/08	750 (J)	2600 (J)	11/12/08	870	3000	3/11/09	910	3200	5/5/09	900	3100
			Tetrachloroethene	8/25/08	1200 (J)	8100 (J)	11/12/08	1100	7600	3/11/09	1100	7300	5/5/09	1300	8800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/25/08	870 (J)	6700 (J)	11/12/08	680	5200	3/11/09	800	6200	5/5/09	950	7300
			Trichloroethane[1,1,1-]	8/25/08	46,000(J)	250,000(J)	11/12/08	54,000	290,000	3/11/09	58,000	320,000	5/5/09	53,000	290,000
			Trichloroethene	8/25/08	10,000(J)	55,000 (J)	11/12/08	10,000	55,000	3/11/09	11,000	57,000	5/5/09	11,000	58,000
			Trichlorofluoromethane	8/25/08	ND	ND	11/12/08	240	1300	3/11/09	250	1400	5/5/09	250	1400

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-02021	120	110–130	Chloroform	8/25/08	200	970	11/12/08	140	700	NS	NS	NS	NS	NS	NS
			Dichlorodifluoromethane	8/25/08	170	820	11/12/08	160	800	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	8/25/08	1200	4700	11/12/08	780	3200	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	8/25/08	1200	5000	11/12/08	800	3200	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	8/25/08	1300	5100	11/12/08	4600	18,000	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	8/25/08	170	780	11/12/08	76	350	NS	NS	NS	NS	NS	NS
			Methylene Chloride	8/25/08	760	2600	11/12/08	600	2100	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	8/25/08	1000	7000	11/12/08	560	3800	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/25/08	780	5900	11/12/08	490	3800	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	8/25/08	40,000	220,000	11/12/08	30,000	160,000	NS	NS	NS	NS	NS	NS
			Trichloroethene	8/25/08	9300	50,000	11/12/08	5500	30,000	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	8/25/08	ND	ND	11/12/08	150	850	NS	NS	NS	NS	NS	NS
	140	130–150	Carbon Tetrachloride	8/25/08	40 (J)	250 (J)	11/12/08	53	330	3/11/09	ND	ND	5/5/09	ND	ND
			Chloroform	8/25/08	130 (J)	650 (J)	11/12/08	120	570	3/11/09	290	1400	5/5/09	210	1000
			Dichlorodifluoromethane	8/25/08	110 (J)	560 (J)	11/12/08	120	570	3/11/09	420	2100	5/5/09	250	1200
			Dichloroethane[1,1-]	8/25/08	760 (J)	3100 (J)	11/12/08	690	2800	3/11/09	1600	6700	5/5/09	1300	5200
			Dichloroethane[1,2-]	8/25/08	680 (J)	2700 (J)	11/12/08	630	2500	3/11/09	1500	6100	5/5/09	1200	4700
			Dichloroethene[1,1-]	8/25/08	930 (J)	3700 (J)	11/12/08	3700	15,000	3/11/09	2400	9500	5/5/09	1900	7600
			Dichloropropane[1,2-]	8/25/08	100 (J)	470 (J)	11/12/08	83	380	3/11/09	180	820	5/5/09	140	670
			Methylene Chloride	8/25/08	490 (J)	1700 (J)	11/12/08	ND	ND	3/11/09	1400	4800	5/5/09	1000	3500
			Tetrachloroethene	8/25/08	680 (J)	4600 (J)	11/12/08	520	3500	3/11/09	1200	7900	5/5/09	980	6700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/25/08	580 (J)	4400 (J)	11/12/08	320	2500	3/11/09	1100	8300	5/5/09	940	7200
			Trichloroethane[1,1,1-]	8/25/08	22,000 (J)	120,000 (J)	11/12/08	25,000	140,000	3/11/09	68,000	370,000	5/5/09	45,000	240,000
			Trichloroethene	8/25/08	5600 (J)	30000 (J)	11/12/08	4200	23,000	3/11/09	13,000	68,000	5/5/09	9300	50,000
			Trichlorofluoromethane	8/25/08	120 (J)	700 (J)	11/12/08	100	590	3/11/09	300	1700	5/5/09	240	1400

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-02021	160	150–170	Carbon Tetrachloride	NS	NS	NS	NS	NS	NS	3/12/09	91	580	5/5/09	ND	ND
			Chloroform	NS	NS	NS	NS	NS	NS	3/12/09	260	1300	5/5/09	190	920
			Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	3/12/09	410	2000	5/5/09	250	1200
			Dichloroethane[1,1-]	NS	NS	NS	NS	NS	NS	3/12/09	1500	6000	5/5/09	1100	4400
			Dichloroethane[1,2-]	NS	NS	NS	NS	NS	NS	3/12/09	1000	4100	5/5/09	760	3100
			Dichloroethene[1,1-]	NS	NS	NS	NS	NS	NS	3/12/09	2400	9700	5/5/09	2000	8000
			Dichloropropane[1,2-]	NS	NS	NS	NS	NS	NS	3/12/09	130	620	5/5/09	100	480
			Methylene Chloride	NS	NS	NS	NS	NS	NS	3/12/09	1500	5200	5/5/09	1100	4000
			Tetrachloroethene	NS	NS	NS	NS	NS	NS	3/12/09	980	6600	5/5/09	860	5800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	NS	NS	NS	3/12/09	1100	8500	5/5/09	950	7300
			Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	3/12/09	62,000	340,000	5/5/09	41,000	220,000
			Trichloroethene	NS	NS	NS	NS	NS	NS	3/12/09	12,000	63,000	5/5/09	8800	47,000
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	3/12/09	310	1800	5/5/09	250	1400
54-02022	20	17.5–22.5	Chloroform	NS	NS	NS	11/13/08	200	990	NS	NS	NS	NS	NS	NS
			Dichlorodifluoromethane	NS	NS	NS	11/13/08	210	1000	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	NS	NS	NS	11/13/08	1300	5300	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	NS	NS	NS	11/13/08	1000	4200	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	NS	NS	NS	11/13/08	4200	17,000	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	NS	NS	NS	11/13/08	140	630	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	NS	NS	NS	11/13/08	1700	11,000	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	11/13/08	430	3300	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	NS	NS	NS	11/13/08	52,000	280,000	NS	NS	NS	NS	NS	NS
			Trichloroethene	NS	NS	NS	11/13/08	8100	43,000	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	NS	NS	NS	11/13/08	170	950	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	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	8/28/08	ND	ND	11/13/08	270	1300	3/11/09	280	1400	5/4/09	280	1400
			Dichlorodifluoromethane	8/28/08	240	1200	11/13/08	320	1600	3/11/09	410	2000	5/4/09	310	1500
			Dichloroethane[1,1-]	8/28/08	1900	7800	11/13/08	2000	7900	3/11/09	2000	8200	5/4/09	2100	8700
			Dichloroethane[1,2-]	8/28/08	2100	8600	11/13/08	2100	8600	3/11/09	2100	8600	5/4/09	2300	9200
			Dichloroethene[1,1-]	8/28/08	1200	5000	11/13/08	6700	26,000	3/11/09	1500	5800	5/4/09	1700	6700
			Dichloropropane[1,2-]	8/28/08	290	1300	11/13/08	210	970	3/11/09	240	1100	5/4/09	240	1100
			Methylene Chloride	8/28/08	120	410	11/13/08	ND	ND	3/11/09	130	440	5/4/09	170	590
			Tetrachloroethene	8/28/08	2300	16,000	11/13/08	2100	14,000	3/11/09	2300	15,000	5/4/09	2600	18,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/28/08	790	6100	11/13/08	690	5300	3/11/09	700	5400	5/4/09	820	6200
			Trichloroethane[1,1,1-]	8/28/08	53,000	290,000	11/13/08	70,000	380,000	3/11/09	69,000	380,000	5/4/09	64,000	350,000
			Trichloroethene	8/28/08	12,000	65,000	11/13/08	11,000	60,000	3/11/09	12,000	66,000	5/4/09	13,000	69,000
			Trichlorofluoromethane	8/28/08	ND	ND	11/13/08	230	1300	3/11/09	240	1400	5/4/09	260	1400
	80	77.5–82.5	Chloroform	8/28/08	320	1600	11/13/08	340	1700	3/11/09	360	1800	5/4/09	360	1800
			Dichlorodifluoromethane	8/28/08	270	1300	11/13/08	400	2000	3/11/09	520	2600	5/4/09	400	2000
			Dichloroethane[1,1-]	8/28/08	2200	9000	11/13/08	2300	9200	3/11/09	2600	10,000	5/4/09	2700	11,000
			Dichloroethane[1,2-]	8/28/08	2800	11,000	11/13/08	3300	13,000	3/11/09	3200	13,000	5/4/09	3200	13,000
			Dichloroethene[1,1-]	8/28/08	1600	6300	11/13/08	8500	34,000	3/11/09	2100	8500	5/4/09	2400	9400
			Dichloropropane[1,2-]	8/28/08	360	1700	11/13/08	300	1400	3/11/09	330	1500	5/4/09	360	1600
			Methylene Chloride	8/28/08	870	3000	11/13/08	960	3300	3/11/09	1000	3700	5/4/09	1100	3700
			Tetrachloroethene	8/28/08	2300	15,000	11/13/08	2300	16,000	3/11/09	2600	18,000	5/4/09	2800	19,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/28/08	860	6600	11/13/08	850	6500	3/11/09	880	6700	5/4/09	1000	7800
			Trichloroethane[1,1,1-]	8/28/08	64,000	350,000	11/13/08	92,000	500,000	3/11/09	94,000	510,000	5/4/09	85,000	470,000
			Trichloroethene	8/28/08	14,000	78,000	11/13/08	14,000	77,000	3/11/09	16,000	86,000	5/4/09	16,000	84,000
			Trichlorofluoromethane	8/28/08	ND	ND	11/13/08	300	1700	3/11/09	300	1700	5/4/09	340	1900

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	8/28/08	ND	ND	11/13/08	400	2000	3/11/09	420	2000	5/4/09	400	2000
			Dichlorodifluoromethane	8/28/08	300	1500	11/13/08	410	2000	3/11/09	540	2700	5/4/09	420	2100
			Dichloroethane[1,1-]	8/28/08	2300	9400	11/13/08	2500	10,000	3/11/09	2500	10,000	5/4/09	2600	10,000
			Dichloroethane[1,2-]	8/28/08	2400	9800	11/13/08	2800	11,000	3/11/09	2700	11,000	5/4/09	2800	11,000
			Dichloroethene[1,1-]	8/28/08	2200	8900	11/13/08	11,000	43,000	3/11/09	2900	12,000	5/4/09	3100	12,000
			Dichloropropane[1,2-]	8/28/08	360	1600	11/13/08	280	1300	3/11/09	320	1500	5/4/09	340	1600
			Methylene Chloride	8/28/08	1100	3800	11/13/08	1200	4200	3/11/09	1200	4400	5/4/09	1300	4400
			Tetrachloroethene	8/28/08	1900	13,000	11/13/08	1900	13,000	3/11/09	1800	12,000	5/4/09	2100	14,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/28/08	1000	7800	11/13/08	970	7400	3/11/09	940	7200	5/4/09	1100	8300
			Trichloroethane[1,1,1-]	8/28/08	74,000	400,000	11/13/08	100,000	570,000	3/11/09	100,000	560,000	5/4/09	90,000	490,000
			Trichloroethene	8/28/08	17,000	91,000	11/13/08	16,000	86,000	3/11/09	17,000	92,000	5/4/09	17,000	91,000
			Trichlorofluoromethane	8/28/08	ND	ND	11/13/08	340	1900	3/11/09	350	2000	5/4/09	350	2000
	140	137.5–142.5	Chloroform	8/28/08	ND	ND	11/13/08	380	1900	3/11/09	350	1700	5/4/09	360	1800
			Dichlorodifluoromethane	8/28/08	300	1500	11/13/08	430	2100	3/11/09	530	2600	5/4/09	450	2200
			Dichloroethane[1,1-]	8/28/08	1800	7300	11/13/08	2100	8400	3/11/09	2200	8800	5/4/09	2200	9100
			Dichloroethane[1,2-]	8/28/08	1300	5200	11/13/08	1600	6600	3/11/09	1600	6400	5/4/09	1700	6900
			Dichloroethene[1,1-]	8/28/08	2500	10,000	11/13/08	10,000	42,000	3/11/09	3300	13,000	5/4/09	3800	15,000
			Dichloropropane[1,2-]	8/28/08	220	1000	11/13/08	210	980	3/11/09	220	1000	5/4/09	250	1200
			Methylene Chloride	8/28/08	1600	5400	11/13/08	1900	6600	3/11/09	2000	6800	5/4/09	2100	7300
			Tetrachloroethene	8/28/08	1400	9500	11/13/08	1600	11,000	3/11/09	1400	9200	5/4/09	1600	11,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/28/08	1000	7700	11/13/08	1000	7700	3/11/09	960	7300	5/4/09	1200	9000
			Trichloroethane[1,1,1-]	8/28/08	60,000	330,000	11/13/08	100,000	550,000	3/11/09	94,000	510,000	5/4/09	86,000	470,000
			Trichloroethene	8/28/08	15,000	80,000	11/13/08	16,000	86,000	3/11/09	16,000	88,000	5/4/09	17,000	91,000
			Trichlorofluoromethane	8/28/08	ND	ND	11/13/08	370	2100	3/11/09	370	2100	5/4/09	360	2000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-02023	40	30–50	Benzene	8/15/08	9.6	30	11/18/08	ND	ND	3/24/09	ND	ND	5/19/09	ND	ND
			Carbon Tetrachloride	8/15/08	30	190	11/18/08	33	210	3/24/09	43	270	5/19/09	38	240
			Chloroform	8/15/08	320	1600	11/18/08	320	1600	3/24/09	330	1600	5/19/09	310	1500
			Cyclohexane	8/15/08	ND	ND	11/18/08	160	570	3/24/09	ND	ND	5/19/09	ND	ND
			Dichlorodifluoromethane	8/15/08	38	190	11/18/08	52	260	3/24/09	58	290	5/19/09	52	260
			Dichloroethane[1,1-]	8/15/08	130	510	11/18/08	130	510	3/24/09	140	560	5/19/09	140	550
			Dichloroethane[1,2-]	8/15/08	19	78	11/18/08	20	82	3/24/09	22	88	5/19/09	23	93
			Dichloroethene[1,1-]	8/15/08	620	2400	11/18/08	800	3200	3/24/09	700	2800	5/19/09	750	3000
			Dichloropropane[1,2-]	8/15/08	100	490	11/18/08	87	400	3/24/09	100	480	5/19/09	110	490
			Methylene Chloride	8/15/08	16	56	11/18/08	ND	ND	3/24/09	18	62	5/19/09	37	130
			Tetrachloroethene	8/15/08	260	1700	11/18/08	230	1600	3/24/09	230	1500	5/19/09	210	1400
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/15/08	1600	12,000	11/18/08	1600	12,000	3/24/09	1700	13,000	5/19/09	1700	13,000
			Trichloroethane[1,1,1-]	8/15/08	7000	38,000	11/18/08	10,000	57,000	3/24/09	9500	52,000	5/19/09	8400	46,000
			Trichloroethene	8/15/08	2300	12,000	11/18/08	2400	13,000	3/24/09	2700	14,000	5/19/09	2400	13,000
			Trichlorofluoromethane	8/15/08	340	1900	11/18/08	330	1800	3/24/09	350	2000	5/19/09	330	1800
	100	90–110	Benzene	8/15/08	41	130	11/18/08	34	110	3/24/09	38	120	5/19/09	39	120
			Carbon Tetrachloride	8/15/08	57	360	11/18/08	ND	ND	3/24/09	80	500	5/19/09	82	510
			Chloroform	8/15/08	500	2400	11/18/08	550	2700	3/24/09	530	2600	5/19/09	540	2600
			Dichlorodifluoromethane	8/15/08	67	330	11/18/08	98	480	3/24/09	96	480	5/19/09	98	480
			Dichloroethane[1,1-]	8/15/08	190	760	11/18/08	210	860	3/24/09	220	880	5/19/09	230	920
			Dichloroethane[1,2-]	8/15/08	54	220	11/18/08	55	220	3/24/09	55	220	5/19/09	60	240
			Dichloroethene[1,1-]	8/15/08	1000	4000	11/18/08	1500	6100	3/24/09	1200	4900	5/19/09	1400	5400
			Dichloropropane[1,2-]	8/15/08	160	730	11/18/08	140	640	3/24/09	150	700	5/19/09	160	740
			Methylene Chloride	8/15/08	160	570	11/18/08	170	600	3/24/09	200	700	5/19/09	210	720
			Tetrachloroethene	8/15/08	400	2700	11/18/08	380	2600	3/24/09	340	2300	5/19/09	350	2400

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	Toluene	8/15/08	36	140	11/18/08	28	100	3/24/09	31	120	5/19/09	31	120
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/15/08	2600	20,000	11/18/08	2900	23,000	3/24/09	2800	22,000	5/19/09	3000	23,000
			Trichloroethane[1,1,1-]	8/15/08	12,000	63,000	11/18/08	17,000	93,000	3/24/09	14,000	80,000	5/19/09	14,000	76,000
			Trichloroethene	8/15/08	3900	21,000	11/18/08	4100	22,000	3/24/09	4400	24,000	5/19/09	4200	23,000
			Trichlorofluoromethane	8/15/08	490	2800	11/18/08	570	3200	3/24/09	560	3200	5/19/09	560	3200
	120	110–130	Benzene	8/15/08	55	180	11/18/08	ND	ND	3/24/09	52	160	5/19/09	49	160
			Carbon Tetrachloride	8/15/08	75	470	11/18/08	ND	ND	3/24/09	97	610	5/19/09	100	660
			Chloroform	8/15/08	510	2500	11/18/08	540	2600	3/24/09	560	2700	5/19/09	550	2700
			Dichlorodifluoromethane	8/15/08	78	380	11/18/08	110	550	3/24/09	120	580	5/19/09	110	530
			Dichloroethane[1,1-]	8/15/08	190	780	11/18/08	210	850	3/24/09	220	900	5/19/09	230	920
			Dichloroethane[1,2-]	8/15/08	45	180	11/18/08	35	140	3/24/09	48	190	5/19/09	50	200
			Dichloroethene[1,1-]	8/15/08	1200	4600	11/18/08	1600	6300	3/24/09	1400	5700	5/19/09	1600	6300
			Dichloropropane[1,2-]	8/15/08	140	650	11/18/08	120	550	3/24/09	140	660	5/19/09	140	660
			Methylene Chloride	8/15/08	130	460	11/18/08	100	350	3/24/09	140	470	5/19/09	130	440
			Tetrachloroethene	8/15/08	410	2800	11/18/08	380	2600	3/24/09	370	2500	5/19/09	350	2400
			Toluene	8/15/08	37	140	11/18/08	ND	ND	3/24/09	ND	ND	5/19/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/15/08	2800	22,000	11/18/08	3200	24,000	3/24/09	3200	24,000	5/19/09	3300	25,000
			Trichloroethane[1,1,1-]	8/15/08	12,000	65,000	11/18/08	17,000	95,000	3/24/09	16,000	85,000	5/19/09	14,000	79,000
			Trichloroethene	8/15/08	4200	22,000	11/18/08	4200	23,000	3/24/09	4800	26,000	5/19/09	4500	24,000
			Trichlorofluoromethane	8/15/08	530	3000	11/18/08	600	3400	3/24/09	630	3500	5/19/09	620	3500
	159	149–169	Benzene	8/15/08	91	290	11/18/08	70	220	3/24/09	89	280	5/19/09	71	230
			Carbon Tetrachloride	8/15/08	120	740	11/18/08	150	930	3/24/09	170	1000	5/19/09	140	910
			Chloroform	8/15/08	500	2400	11/18/08	510	2500	3/24/09	580	2800	5/19/09	560	2700
			Dichlorodifluoromethane	8/15/08	110	540	11/18/08	150	730	3/24/09	180	890	5/19/09	150	730

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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[1,1-]	8/15/08	180	720	11/18/08	180	730	3/24/09	220	890	5/19/09	220	900
			Dichloroethane[1,2-]	8/15/08	ND	ND	11/18/08	ND	ND	3/24/09	ND	ND	5/19/09	34	140
			Dichloroethene[1,1-]	8/15/08	1600	6400	11/18/08	2000	8100	3/24/09	2200	8600	5/19/09	2000	8000
			Dichloropropane[1,2-]	8/15/08	87	400	11/18/08	72	340	3/24/09	91	420	5/19/09	110	500
			Methylene Chloride	8/15/08	140	500	11/18/08	95	330	3/24/09	130	450	5/19/09	220	780
			Tetrachloroethene	8/15/08	420	2800	11/18/08	380	2600	3/24/09	390	2700	5/19/09	360	2400
			Toluene	8/15/08	57	220	11/18/08	24	90	3/24/09	37	140	5/19/09	33	120
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/15/08	3600	28,000	11/18/08	3800	30,000	3/24/09	4500	34,000	5/19/09	4000	31,000
			Trichloroethane[1,1,1-]	8/15/08	12,000	69,000	11/18/08	17,000	95,000	3/24/09	18,000	97,000	5/19/09	16,000	86,000
			Trichloroethene	8/15/08	4700	25,000	11/18/08	4600	25,000	3/24/09	5700	30,000	5/19/09	5000	27,000
			Trichlorofluoromethane	8/15/08	650	3700	11/18/08	690	3900	3/24/09	840	4700	5/19/09	740	4100
54-02024	40	30–50	Benzene	8/6/08	ND	ND	11/19/08	ND	ND	3/21/09	19	62	5/21/09	13	42
			Carbon Tetrachloride	8/6/08	37	240	11/19/08	51	320	3/21/09	68	430	5/21/09	51	320
			Chloroform	8/6/08	390	1900	11/19/08	550	2700	3/21/09	500	2400	5/21/09	360	1800
			Dichlorodifluoromethane	8/6/08	30	150	11/19/08	66	320	3/21/09	55	270	5/21/09	35	180
			Dichloroethane[1,1-]	8/6/08	160	640	11/19/08	230	940	3/21/09	220	900	5/21/09	160	650
			Dichloroethane[1,2-]	8/6/08	51	210	11/19/08	74	300	3/21/09	71	290	5/21/09	49	200
			Dichloroethene[1,1-]	8/6/08	490	2000	11/19/08	2600	10,000	3/21/09	720	2800	5/21/09	560	2200
			Dichloropropane[1,2-]	8/6/08	280	1300	11/19/08	360	1700	3/21/09	360	1600	5/21/09	260	1200
			Tetrachloroethene	8/6/08	320	2200	11/19/08	370	2500	3/21/09	380	2600	5/21/09	290	2000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/6/08	1500	12,000	11/19/08	1400	11,000	3/21/09	2000	15,000	5/21/09	1700	13,000
			Trichloroethane[1,1,1-]	8/6/08	8600	47,000	11/19/08	13,000	73,000	3/21/09	13,000	70,000	5/21/09	8700	48,000
			Trichloroethene	8/6/08	2500	13,000	11/19/08	3500	19,000	3/21/09	3400	18,000	5/21/09	2400	13,000
			Trichlorofluoromethane	8/6/08	320	1800	11/19/08	410	2300	3/21/09	430	2400	5/21/09	300	1700

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	8/6/08	82	260	11/19/08	86	270	3/21/09	75	240	5/21/09	60	190
			Carbon Tetrachloride	8/6/08	100	650	11/19/08	100	640	3/21/09	140	890	5/21/09	120	760
			Chloroform	8/6/08	870	4200	11/19/08	890	4300	3/21/09	930	4600	5/21/09	760	3700
			Dichlorodifluoromethane	8/6/08	76	380	11/19/08	130	630	3/21/09	110	550	5/21/09	86	420
			Dichloroethane[1,1-]	8/6/08	310	1300	11/19/08	360	1400	3/21/09	370	1500	5/21/09	310	1200
			Dichloroethane[1,2-]	8/6/08	200	820	11/19/08	200	820	3/21/09	210	860	5/21/09	170	700
			Dichloroethene[1,1-]	8/6/08	1200	4800	11/19/08	3100	12,000	3/21/09	1500	5900	5/21/09	1400	5600
			Dichloropropane[1,2-]	8/6/08	590	2700	11/19/08	500	2300	3/21/09	580	2700	5/21/09	460	2200
			Methylene Chloride	8/6/08	430	1500	11/19/08	460	1600	3/21/09	520	1800	5/21/09	410	1400
			Tetrachloroethene	8/6/08	770	5200	11/19/08	550	3700	3/21/09	660	4400	5/21/09	580	4000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/6/08	3700	28,000	11/19/08	2800	22,000	3/21/09	4000	31,000	5/21/09	3900	30,000
			Trichloroethane[1,1,1-]	8/6/08	18,000	97,000	11/19/08	22,000	120,000	3/21/09	23,000	120,000	5/21/09	19,000	100,000
			Trichloroethene	8/6/08	5700	31,000	11/19/08	5500	30,000	3/21/09	6200	34,000	5/21/09	5000	27,000
			Trichlorofluoromethane	8/6/08	750	4200	11/19/08	620	3500	3/21/09	880	5000	5/21/09	700	3900
	120	110–130	Benzene	NS	NS	NS	11/19/08	83	260	NS	NS	NS	NS	NS	NS
			Carbon Tetrachloride	NS	NS	NS	11/19/08	110	700	NS	NS	NS	NS	NS	NS
			Chloroform	NS	NS	NS	11/19/08	950	4600	NS	NS	NS	NS	NS	NS
			Dichlorodifluoromethane	NS	NS	NS	11/19/08	150	760	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	NS	NS	NS	11/19/08	360	1400	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	NS	NS	NS	11/19/08	200	800	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	NS	NS	NS	11/19/08	4700	18,000	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	NS	NS	NS	11/19/08	480	2200	NS	NS	NS	NS	NS	NS
			Methylene Chloride	NS	NS	NS	11/19/08	300	1000	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	NS	NS	NS	11/19/08	550	3800	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	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-02024	120	110–130	Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	11/19/08	3400	26,000	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	NS	NS	NS	11/19/08	22,000	120,000	NS	NS	NS	NS	NS	NS
			Trichloroethene	NS	NS	NS	11/19/08	6100	33,000	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	NS	NS	NS	11/19/08	670	3800	NS	NS	NS	NS	NS	NS
	140	130–150	Benzene	8/6/08	140	440	NS	NS	NS	3/24/09	150	480	5/21/09	100	320
			Carbon Tetrachloride	8/6/08	130	820	NS	NS	NS	3/24/09	190	1200	5/21/09	150	950
			Chloroform	8/6/08	960	4700	NS	NS	NS	3/24/09	1200	5900	5/21/09	890	4300
			Dichlorodifluoromethane	8/6/08	100	500	NS	NS	NS	3/24/09	170	830	5/21/09	120	570
			Dichloroethane[1,1-]	8/6/08	310	1300	NS	NS	NS	3/24/09	440	1800	5/21/09	310	1300
			Dichloroethane[1,2-]	8/6/08	230	950	NS	NS	NS	3/24/09	280	1100	5/21/09	200	810
			Dichloroethene[1,1-]	8/6/08	1600	6300	NS	NS	NS	3/24/09	2300	9300	5/21/09	2000	7800
			Dichloropropane[1,2-]	8/6/08	520	2400	NS	NS	NS	3/24/09	600	2800	5/21/09	420	1900
			Methylene Chloride	8/6/08	1100	4000	NS	NS	NS	3/24/09	1600	5600	5/21/09	1100	3800
			Tetrachloroethene	8/6/08	770	5200	NS	NS	NS	3/24/09	770	5200	5/21/09	610	4100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/6/08	4300	33,000	NS	NS	NS	3/24/09	5600	43,000	5/21/09	4800	37,000
			Trichloroethane[1,1,1-]	8/6/08	18,000	100,000	NS	NS	NS	3/24/09	28,000	150,000	5/21/09	20,000	110,000
			Trichloroethene	8/6/08	6300	34,000	NS	NS	NS	3/24/09	8200	44,000	5/21/09	5700	31,000
			Trichlorofluoromethane	8/6/08	890	5000	NS	NS	NS	3/24/09	1200	6900	5/21/09	850	4800
	160	150–170	Benzene	8/6/08	180	560	11/19/08	180	580	3/21/09	170	550	5/21/09	130	430
			Carbon Tetrachloride	8/6/08	150	930	11/19/08	150	940	3/21/09	220	1400	5/21/09	180	1100
			Chloroform	8/6/08	1000	5100	11/19/08	1100	5500	3/21/09	1200	5800	5/21/09	980	4800
			Dichlorodifluoromethane	8/6/08	120	580	11/19/08	200	1000	3/21/09	180	890	5/21/09	140	690
			Dichloroethane[1,1-]	8/6/08	330	1300	11/19/08	370	1500	3/21/09	400	1600	5/21/09	330	1300
			Dichloroethane[1,2-]	8/6/08	250	1000	11/19/08	250	1000	3/21/09	270	1100	5/21/09	220	910

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	160	150–170	Dichloroethene[1,1-]	8/6/08	1900	7400	11/19/08	5900	23,000	3/21/09	2500	9900	5/21/09	2300	9100
			Dichloropropane[1,2-]	8/6/08	520	2400	11/19/08	470	2200	3/21/09	530	2400	5/21/09	ND	ND
			Methylene Chloride	8/6/08	1600	5600	11/19/08	1700	6000	3/21/09	2100	7200	5/21/09	1600	5600
			Tetrachloroethene	8/6/08	810	5500	11/19/08	610	4100	3/21/09	750	5100	5/21/09	670	4500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/6/08	4800	37,000	11/19/08	4300	33,000	3/21/09	5700	43,000	5/21/09	5400	42,000
			Trichloroethane[1,1,1-]	8/6/08	19,000	100,000	11/19/08	24,000	130,000	3/21/09	26,000	140,000	5/21/09	21,000	120,000
			Trichloroethene	8/6/08	6700	36,000	11/19/08	7100	38,000	3/21/09	7900	43,000	5/21/09	6400	34,000
			Trichlorofluoromethane	8/6/08	980	5500	11/19/08	940	5300	3/21/09	1200	6800	5/21/09	1000	5600
54-02025	20	20	Carbon Tetrachloride	8/13/08	170	1000	11/20/08	140	910	3/20/09	230	1400	5/18/09	200	1200
			Chloroform	8/13/08	1400	6800	11/20/08	1300	6300	3/20/09	1300	6200	5/18/09	1200	5800
			Dichlorodifluoromethane	8/13/08	ND	ND	11/20/08	94	460	3/20/09	93	460	5/18/09	80	400
			Dichloroethane[1,1-]	8/13/08	720	2900	11/20/08	700	2800	3/20/09	740	3000	5/18/09	730	2900
			Dichloroethane[1,2-]	8/13/08	290	1200	11/20/08	270	1100	3/20/09	310	1200	5/18/09	250	1000
			Dichloroethene[1,1-]	8/13/08	1100	4300	11/20/08	6300	25,000	3/20/09	1300	5200	5/18/09	1300	5200
			Dichloropropane[1,2-]	8/13/08	2200	10,000	11/20/08	1900	8900	3/20/09	2000	9100	5/18/09	2000	9200
			Methylene Chloride	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	130	450	5/18/09	ND	ND
			Tetrachloroethene	8/13/08	1800	12,000	11/20/08	1200	8500	3/20/09	1400	9600	5/18/09	1400	9800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/13/08	5100	39,000	11/20/08	3200	25,000	3/20/09	6200	48,000	5/18/09	6700	51,000
			Trichloroethane[1,1,1-]	8/13/08	38,000	210,000	11/20/08	37,000	200,000	3/20/09	40,000	220,000	5/18/09	36,000	200,000
			Trichloroethene	8/13/08	8700	46,000	11/20/08	7400	40,000	3/20/09	8000	43,000	5/18/09	7400	40,000
			Trichlorofluoromethane	8/13/08	870	4900	11/20/08	480	2700	3/20/09	820	4600	5/18/09	750	4200
	100	100	Benzene	8/13/08	280	880	11/20/08	320	1000	3/20/09	280	900	5/18/09	280	900
			Carbon Tetrachloride	8/13/08	270	1700	11/20/08	260	1600	3/20/09	430	2700	5/18/09	410	2600
			Chlorobenzene	8/13/08	ND	ND	11/20/08	110	510	3/20/09	ND	ND	5/18/09	110	530

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-02025	100	100	Chloroform	8/13/08	2300	11,000	11/20/08	2700	13,000	3/20/09	2600	13,000	5/18/09	2600	13,000
			Dichlorodifluoromethane	8/13/08	120	610	11/20/08	270	1300	3/20/09	200	1000	5/18/09	200	990
			Dichloroethane[1,1-]	8/13/08	970	3900	11/20/08	1300	5100	3/20/09	1200	4700	5/18/09	1200	5000
			Dichloroethane[1,2-]	8/13/08	1400	5500	11/20/08	1600	6500	3/20/09	1600	6300	5/18/09	1500	6200
			Dichloroethene[1,1-]	8/13/08	2600	10,000	11/20/08	17,000	68,000	3/20/09	3400	14,000	5/18/09	3800	15,000
			Dichloropropane[1,2-]	8/13/08	3200	15,000	11/20/08	3600	16,000	3/20/09	3600	17,000	5/18/09	3800	17,000
			Ethanol	8/13/08	800	1500	11/20/08	900	1700	3/20/09	920 (J-)	1700 (J-)	5/18/09	ND	ND
			Methylene Chloride	8/13/08	2500	8800	11/20/08	2800	9800	3/20/09	2800	9700	5/18/09	3000	10,000
			Tetrachloroethene	8/13/08	2300	16,000	11/20/08	2100	14,000	3/20/09	2300	16,000	5/18/09	2300	16,000
			Tetrahydrofuran	8/13/08	360	1100	11/20/08	370	1100	3/20/09	430	1300	5/18/09	460	1300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/13/08	8500	65,000	11/20/08	8200	63,000	3/20/09	9500	73,000	5/18/09	10,000	78,000
			Trichloroethane[1,1,1-]	8/13/08	51,000	280,000	11/20/08	62,000	340,000	3/20/09	66,000	360,000	5/18/09	63,000	340,000
			Trichloroethene	8/13/08	14,000	77,000	11/20/08	16,000	89,000	3/20/09	16,000	88,000	5/18/09	16,000	86,000
			Trichlorofluoromethane	8/13/08	1700	9800	11/20/08	1500	8400	3/20/09	2000	11,000	5/18/09	2000	11,000
			Xylene[1,2-]	8/13/08	260	1200	11/20/08	190	820	3/20/09	190	840	5/18/09	200	880
	160	160	Benzene	8/13/08	450	1400	11/20/08	470	1500	3/20/09	420	1400	5/18/09	430	1400
			Carbon Tetrachloride	8/13/08	320	2000	11/20/08	350	2200	3/20/09	460	2900	5/18/09	500	3100
			Chlorobenzene	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	100	460	5/18/09	100	480
			Chloroform	8/13/08	2500	12,000	11/20/08	2900	14,000	3/20/09	2800	14,000	5/18/09	2900	14,000
			Dichlorodifluoromethane	8/13/08	190	940	11/20/08	360	1800	3/20/09	290	1400	5/18/09	270	1300
			Dichloroethane[1,1-]	8/13/08	880	3500	11/20/08	1100	4500	3/20/09	1100	4400	5/18/09	1200	4800
			Dichloroethane[1,2-]	8/13/08	1200	5000	11/20/08	1300	5400	3/20/09	1400	5600	5/18/09	1400	5600
			Dichloroethene[1,1-]	8/13/08	3800	15,000	11/20/08	18,000	70,000	3/20/09	5000	20,000	5/18/09	5600	22,000
			Dichloropropane[1,2-]	8/13/08	2800	13,000	11/20/08	2700	13,000	3/20/09	2900	13,000	5/18/09	3100	14,000
			Ethanol	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	460 (J-)	860 (J-)	5/18/09	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	160	160	Hexane	8/13/08	120	420	11/20/08	110	400	3/20/09	120	410	5/18/09	130	440
			Methylene Chloride	8/13/08	5600	20,000	11/20/08	6800	24,000	3/20/09	7000	24,000	5/18/09	7300	26,000
			Tetrachloroethene	8/13/08	2200	15,000	11/20/08	1900	13,000	3/20/09	2100	14,000	5/18/09	2200	15,000
			Toluene	8/13/08	720	2700	11/20/08	720	2700	3/20/09	660	2500	5/18/09	650	2500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/13/08	10,000	78,000	11/20/08	9500	73,000	3/20/09	12,000	89,000	5/18/09	13,000	97,000
			Trichloroethane[1,1,1-]	8/13/08	49,000	260,000	11/20/08	58,000	320,000	3/20/09	65,000	350,000	5/18/09	63,000	350,000
			Trichloroethene	8/13/08	16,000	84,000	11/20/08	17,000	93,000	3/20/09	18,000	96,000	5/18/09	18,000	95,000
			Trichlorofluoromethane	8/13/08	2000	12,000	11/20/08	1800	10,000	3/20/09	2500	14,000	5/18/09	2400	14,000
			Xylene[1,2-]	8/13/08	270	1200	11/20/08	220	960	3/20/09	220	950	5/18/09	210	930
			Xylene[1,3-]+Xylene[1,4-]	8/13/08	120	540	11/20/08	110	470	3/20/09	99	430	5/18/09	ND	ND
54-02026	20	20	Carbon Disulfide	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	17	54	5/21/09	ND	ND
			Carbon Tetrachloride	8/13/08	6.4	40	11/20/08	ND	ND	3/20/09	ND	ND	5/21/09	ND	ND
			Chloroform	8/13/08	52	250	11/20/08	46	220	3/20/09	46	220	5/21/09	44	210
			Dichlorodifluoromethane	8/13/08	7.3	36	11/20/08	11	54	3/20/09	9.1	45	5/21/09	ND	ND
			Dichloroethane[1,1-]	8/13/08	12	47	11/20/08	10	42	3/20/09	9.7	39	5/21/09	10	41
			Dichloroethene[1,1-]	8/13/08	72	280	11/20/08	230	920	3/20/09	68	270	5/21/09	66	260
			Dichloropropane[1,2-]	8/13/08	8	37	11/20/08	ND	ND	3/20/09	ND	ND	5/21/09	ND	ND
			Propanol[2-]	8/13/08	ND	ND	11/20/08	45	110	3/20/09	ND	ND	5/21/09	ND	ND
			Tetrachloroethene	8/13/08	35	240	11/20/08	28	190	3/20/09	30	200	5/21/09	31	210
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/13/08	260	2000	11/20/08	190	1500	3/20/09	220	1700	5/21/09	250	1900
			Trichloroethane[1,1,1-]	8/13/08	1200	6500	11/20/08	960	5200	3/20/09	1000	5500	5/21/09	990	5400
			Trichloroethene	8/13/08	310	1700	11/20/08	260	1400	3/20/09	280	1500	5/21/09	260	1400
			Trichlorofluoromethane	8/13/08	44	240	11/20/08	34	190	3/20/09	44	250	5/21/09	40	220

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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 Disulfide	8/13/08	44	140	11/20/08	ND	ND	3/20/09	ND	ND	5/21/09	ND	ND
			Carbon Tetrachloride	8/13/08	17	100	11/20/08	15	92	3/20/09	17	100	5/21/09	19	120
			Chloroform	8/13/08	100	510	11/20/08	100	510	3/20/09	100	500	5/21/09	94	460
			Dichlorodifluoromethane	8/13/08	18	91	11/20/08	30	150	3/20/09	26	130	5/21/09	22	110
			Dichloroethane[1,1-]	8/13/08	26	100	11/20/08	25	100	3/20/09	24	96	5/21/09	22	91
			Dichloroethene[1,1-]	8/13/08	220	890	11/20/08	490	1900	3/20/09	200	780	5/21/09	200	800
			Dichloropropane[1,2-]	8/13/08	14	63	11/20/08	15	70	3/20/09	15	70	5/21/09	14	66
			Methylene Chloride	8/13/08	14	47	11/20/08	10	36	3/20/09	11	38	5/21/09	9.3	32
			Tetrachloroethene	8/13/08	62	420	11/20/08	62	420	3/20/09	65	440	5/21/09	67	450
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/13/08	670	5200	11/20/08	500	3800	3/20/09	560	4300	5/21/09	620	4800
			Trichloroethane[1,1,1-]	8/13/08	2500	14,000	11/20/08	2300	12,000	3/20/09	2200	12,000	5/21/09	2100	11,000
			Trichloroethene	8/13/08	640	3400	11/20/08	640	3400	3/20/09	640	3400	5/21/09	600	3200
			Trichlorofluoromethane	8/13/08	110	600	11/20/08	78	440	3/20/09	100	590	5/21/09	95	530
	160	160	Carbon Tetrachloride	8/13/08	29	180	11/20/08	26	160	3/20/09	30	190	5/21/09	28	180
			Chloroform	8/13/08	110	540	11/20/08	120	570	3/20/09	120	570	5/21/09	100	510
			Dichlorodifluoromethane	8/13/08	33	160	11/20/08	50	250	3/20/09	41	200	5/21/09	35	170
			Dichloroethane[1,1-]	8/13/08	26	100	11/20/08	28	110	3/20/09	27	110	5/21/09	24	99
			Dichloroethene[1,1-]	8/13/08	370	1500	11/20/08	760	3000	3/20/09	330	1300	5/21/09	320	1300
			Dichloropropane[1,2-]	8/13/08	ND	ND	11/20/08	9.6	44	3/20/09	9.2	42	5/21/09	ND	ND
			Methylene Chloride	8/13/08	66	230	11/20/08	59	200	3/20/09	64	220	5/21/09	56	190
			Tetrachloroethene	8/13/08	83	560	11/20/08	86	580	3/20/09	85	580	5/21/09	84	570
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/13/08	980	7500	11/20/08	750	5800	3/20/09	860	6600	5/21/09	870	6700
			Trichloroethane[1,1,1-]	8/13/08	3100	17,000	11/20/08	2700	15,000	3/20/09	2800	16,000	5/21/09	2500	14,000
			Trichloroethene	8/13/08	850	4600	11/20/08	840	4500	3/20/09	850	4600	5/21/09	740	4000
			Trichlorofluoromethane	8/13/08	150	860	11/20/08	110	640	3/20/09	150	860	5/21/09	130	740

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	20	20	Chloroform	8/14/08	230	1100	11/20/08	200	1000	3/20/09	200	1000	5/20/09	230	1100
			Dichlorodifluoromethane	8/14/08	24	120	11/20/08	27	130	3/20/09	26	130	5/20/09	28 (J+)	140 (J+)
			Dichloroethane[1,1-]	8/14/08	62	250	11/20/08	55	220	3/20/09	57	230	5/20/09	64	260
			Dichloroethene[1,1-]	8/14/08	340	1300	11/20/08	780	3100	3/20/09	270	1000	5/20/09	370	1500
			Dichloropropane[1,2-]	8/14/08	88	410	11/20/08	79	370	3/20/09	81	370	5/20/09	90	420
			Tetrachloroethene	8/14/08	140	960	11/20/08	120	840	3/20/09	120	850	5/20/09	160	1100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/14/08	1000	7800	11/20/08	630	4800	3/20/09	800	6200	5/20/09	910	7000
			Trichloroethane[1,1,1-]	8/14/08	5200	29,000	11/20/08	4000	22,000	3/20/09	4200	23,000	5/20/09	5000	27,000
			Trichloroethene	8/14/08	1200	6600	11/20/08	990	5300	3/20/09	1000	5700	5/20/09	1200	6400
			Trichlorofluoromethane	8/14/08	190	1100	11/20/08	120	700	3/20/09	170	950	5/20/09	140	800
	100	100	Benzene	8/14/08	ND	ND	11/20/08	40	130	3/20/09	39	120	5/20/09	36	120
			Carbon Tetrachloride	8/14/08	ND	ND	11/20/08	50	320	3/20/09	75	470	5/20/09	ND	ND
			Chloroform	8/14/08	540	2600	11/20/08	670	3300	3/20/09	650	3200	5/20/09	640	3200
			Dichlorodifluoromethane	8/14/08	66	320	11/20/08	100	520	3/20/09	84	420	5/20/09	86 (J+)	430 (J+)
			Dichloroethane[1,1-]	8/14/08	140	560	11/20/08	180	720	3/20/09	160	670	5/20/09	160	660
			Dichloroethane[1,2-]	8/14/08	ND	ND	11/20/08	ND	ND	3/20/09	60	240	5/20/09	63	260
			Dichloroethene[1,1-]	8/14/08	990	3900	11/20/08	2200	8800	3/20/09	970	3800	5/20/09	1000	4200
			Dichloropropane[1,2-]	8/14/08	210	970	11/20/08	260	1200	3/20/09	260	1200	5/20/09	250	1200
			Methylene Chloride	8/14/08	250	860	11/20/08	250	860	3/20/09	250	880	5/20/09	250	860
			Tetrachloroethene	8/14/08	300	2000	11/20/08	390	2600	3/20/09	390	2600	5/20/09	450	3000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/14/08	2700	21,000	11/20/08	2600	20,000	3/20/09	2700	21,000	5/20/09	2900	22,000
			Trichloroethane[1,1,1-]	8/14/08	12,000	65,000	11/20/08	14,000	78,000	3/20/09	13,000	71,000	5/20/09	14,000	75,000
			Trichloroethene	8/14/08	2900	16,000	11/20/08	3400	18,000	3/20/09	3400	18,000	5/20/09	3400	18,000
			Trichlorofluoromethane	8/14/08	480	2700	11/20/08	460	2600	3/20/09	540	3000	5/20/09	400	2200

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	8/14/08	87	280	11/20/08	110	340	3/20/09	110	340	5/20/09	110	350
			Carbon Tetrachloride	8/14/08	110	690	11/20/08	100	670	3/20/09	130	830	5/20/09	160	1000
			Chloroform	8/14/08	520	2600	11/20/08	600	3000	3/20/09	620	3000	5/20/09	660	3200
			Dichlorodifluoromethane	8/14/08	100	520	11/20/08	170	860	3/20/09	150	730	5/20/09	160 (J+)	810 (J+)
			Dichloroethane[1,1-]	8/14/08	110	460	11/20/08	140	560	3/20/09	130	540	5/20/09	130	520
			Dichloroethane[1,2-]	8/14/08	ND	ND	11/20/08	32	130	3/20/09	35	140	5/20/09	39	160
			Dichloroethene[1,1-]	8/14/08	1700	6700	11/20/08	2800	11,000	3/20/09	1700	6800	5/20/09	2000	7800
			Dichloropropane[1,2-]	8/14/08	87	400	11/20/08	98	450	3/20/09	100	470	5/20/09	110	500
			Methylene Chloride	8/14/08	980	3400	11/20/08	940	3300	3/20/09	1100	3800	5/20/09	1200	4000
			Tetrachloroethene	8/14/08	360	2400	11/20/08	400	2700	3/20/09	410	2800	5/20/09	480	3300
			Toluene	8/14/08	190	700	11/20/08	240	900	3/20/09	240	890	5/20/09	250	940
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/14/08	3800	29,000	11/20/08	3300	25,000	3/20/09	3700	28,000	5/20/09	4100	32,000
			Trichloroethane[1,1,1-]	8/14/08	12,000	64,000	11/20/08	13,000	71,000	3/20/09	12,000	68,000	5/20/09	14,000	77,000
			Trichloroethene	8/14/08	3300	18,000	11/20/08	3600	20,000	3/20/09	3700	20,000	5/20/09	3900	21,000
			Trichlorofluoromethane	8/14/08	580	3300	11/20/08	580	3300	3/20/09	650	3700	5/20/09	570	3200
54-02028	20	20	Carbon Tetrachloride	8/14/08	7	44	11/26/08	ND	ND	3/21/09	ND	ND	5/21/09	ND	ND
			Chloroform	8/14/08	54	260	11/26/08	46	230	3/21/09	55	270	5/21/09	50	240
			Dichlorodifluoromethane	8/14/08	6.8	34	11/26/08	9	45	3/21/09	ND	ND	5/21/09	ND	ND
			Dichloroethane[1,1-]	8/14/08	19	77	11/26/08	16	65	3/21/09	19	78	5/21/09	17	70
			Dichloroethene[1,1-]	8/14/08	88	350	11/26/08	240	970	3/21/09	84	330	5/21/09	74	290
			Dichloropropane[1,2-]	8/14/08	19	87	11/26/08	15	70	3/21/09	17	80	5/21/09	15	72
			Tetrachloroethene	8/14/08	42	290	11/26/08	38	260	3/21/09	41	280	5/21/09	44	300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/14/08	280	2200	11/26/08	200	1600	3/21/09	260	2000	5/21/09	280	2100
			Trichloroethane[1,1,1-]	8/14/08	1600	8800	11/26/08	1200	6300	3/21/09	1400	7800	5/21/09	1300	7100

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	20	20	Trichloroethene	8/14/08	430	2300	11/26/08	340	1800	3/21/09	410	2200	5/21/09	360	2000
			Trichlorofluoromethane	8/14/08	53	300	11/26/08	31	180	3/21/09	50	280	5/21/09	43	240
	100	100	Carbon Tetrachloride	8/14/08	15	95	11/26/08	13	83	3/21/09	18	110	5/21/09	16	100
			Chloroform	8/14/08	99	480	11/26/08	100	500	3/21/09	100	520	5/21/09	99	480
			Dichlorodifluoromethane	8/14/08	18	89	11/26/08	27	130	3/21/09	22	110	5/21/09	21	100
			Dichloroethane[1,1-]	8/14/08	31	120	11/26/08	33	130	3/21/09	35	140	5/21/09	31	130
			Dichloroethene[1,1-]	8/14/08	240	940	11/26/08	530	2100	3/21/09	210	840	5/21/09	220	890
			Dichloropropane[1,2-]	8/14/08	23	100	11/26/08	ND	ND	3/21/09	23	110	5/21/09	21	99
			Methylene Chloride	8/14/08	31	110	11/26/08	26	90	3/21/09	30	100	5/21/09	26	89
			Tetrachloroethene	8/14/08	63	430	11/26/08	68	460	3/21/09	69	470	5/21/09	67	460
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/14/08	620	4800	11/26/08	530	4100	3/21/09	580	4400	5/21/09	630	4900
			Trichloroethane[1,1,1-]	8/14/08	2800	15,000	11/26/08	2500	14,000	3/21/09	2600	14,000	5/21/09	2400	13,000
			Trichloroethene	8/14/08	800	4300	11/26/08	760	4000	3/21/09	800	4300	5/21/09	730	3900
			Trichlorofluoromethane	8/14/08	120	670	11/26/08	89	500	3/21/09	120	650	5/21/09	110	600
	160	160	Carbon Tetrachloride	8/14/08	22	140	11/26/08	24	150	3/21/09	26	170	5/21/09	28	170
			Chloroform	8/14/08	84	410	11/26/08	110	550	3/21/09	110	560	5/21/09	100	500
			Dichlorodifluoromethane	8/14/08	28	140	11/26/08	49	240	3/21/09	42	210	5/21/09	35	170
			Dichloroethane[1,1-]	8/14/08	24	96	11/26/08	34	140	3/21/09	34	140	5/21/09	30	120
			Dichloroethene[1,1-]	8/14/08	290	1200	11/26/08	690	2700	3/21/09	340	1300	5/21/09	340	1400
			Dichloropropane[1,2-]	8/14/08	7.8	36	11/26/08	11	51	3/21/09	12	57	5/21/09	10	48
			Methylene Chloride	8/14/08	61	210	11/26/08	74	260	3/21/09	85	300	5/21/09	73	250
			Tetrachloroethene	8/14/08	60	410	11/26/08	79	540	3/21/09	77	520	5/21/09	77	520
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/14/08	720	5600	11/26/08	800	6100	3/21/09	860	6600	5/21/09	900	6900
			Trichloroethane[1,1,1-]	8/14/08	2600	14,000	11/26/08	3100	17,000	3/21/09	3000	16,000	5/21/09	2700	15,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	Trichloroethene	8/14/08	780	4200	11/26/08	950	5100	3/21/09	970	5200	5/21/09	860	4600
			Trichlorofluoromethane	8/14/08	130	720	11/26/08	140	770	3/21/09	160	910	5/21/09	140	790
54-02031	20	20	Carbon Tetrachloride	8/27/08	24	150	11/12/08	ND	ND	3/12/09	ND	ND	7/5/09	41	260
			Chloroform	8/27/08	ND	ND	11/12/08	140	690	3/12/09	170	810	7/5/09	150	720
			Dichlorodifluoromethane	8/27/08	45	220	11/12/08	67	330	3/12/09	100	490	7/5/09	71	350
			Dichloroethane[1,1-]	8/27/08	280	1100	11/12/08	300	1200	3/12/09	350	1400	7/5/09	340	1400
			Dichloroethane[1,2-]	8/27/08	56	230	11/12/08	ND	ND	3/12/09	ND	ND	7/5/09	66	260
			Dichloroethene[1,1-]	8/27/08	550	2200	11/12/08	2100	8200	3/12/09	780	3100	7/5/09	820	3200
			Dichloropropane[1,2-]	8/27/08	27	120	11/12/08	ND	ND	3/12/09	ND	ND	7/5/09	30	140
			Tetrachloroethene	8/27/08	550	3700	11/12/08	440	3000	3/12/09	480	3200	7/5/09	480	3300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/27/08	540	4200	11/12/08	480	3700	3/12/09	ND	ND	7/5/09	630	4800
			Trichloroethane[1,1,1-]	8/27/08	9600	52,000	11/12/08	12,000	64,000	3/12/09	14,000	79,000	7/5/09	12,000	67,000
			Trichloroethene	8/27/08	2900	16,000	11/12/08	2600	14,000	3/12/09	3200	17,000	7/5/09	2900	16,000
			Trichlorofluoromethane	8/27/08	88	500	11/12/08	120	670	3/12/09	130	730	7/5/09	120	660
	100	100	Carbon Tetrachloride	8/27/08	84	530	11/12/08	ND	ND	3/12/09	97	610	7/5/09	140	870
			Chloroform	8/27/08	ND	ND	11/12/08	300	1500	3/12/09	350	1700	7/5/09	310	1500
			Dichlorodifluoromethane	8/27/08	140	670	11/12/08	180	900	3/12/09	230	1100	7/5/09	180	880
			Dichloroethane[1,1-]	8/27/08	680	2800	11/12/08	700	2800	3/12/09	760	3100	7/5/09	750	3000
			Dichloroethane[1,2-]	8/27/08	330	1300	11/12/08	330	1300	3/12/09	350	1400	7/5/09	400	1600
			Dichloroethene[1,1-]	8/27/08	1500	5900	11/12/08	5200	21,000	3/12/09	1800	7400	7/5/09	2000	7800
			Dichloropropane[1,2-]	8/27/08	85	390	11/12/08	54	250	3/12/09	ND	ND	7/5/09	88	400
			Methylene Chloride	8/27/08	280	960	11/12/08	280	980	3/12/09	330	1100	7/5/09	320	1100
			Tetrachloroethene	8/27/08	1400	9400	11/12/08	1000	7000	3/12/09	1100	7600	7/5/09	1200	8100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/27/08	1800	14,000	11/12/08	1500	11,000	3/12/09	ND	ND	7/5/09	2000	16,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	100	100	Trichloroethane[1,1,1-]	8/27/08	23,000	120,000	11/12/08	28,000	150,000	3/12/09	33,000	180,000	7/5/09	29,000	160,000
			Trichloroethene	8/27/08	7500	40,000	11/12/08	6700	36,000	3/12/09	7900	43,000	7/5/09	7400	40,000
			Trichlorofluoromethane	8/27/08	270	1500	11/12/08	330	1800	3/12/09	330	1800	7/5/09	320	1800
	160	160	Carbon Tetrachloride	8/27/08	100	660	11/12/08	ND	ND	3/12/09	120	760	7/5/09	170	1000
			Chloroform	8/27/08	ND	ND	11/12/08	270	1300	3/12/09	340	1600	7/5/09	320	1600
			Dichlorodifluoromethane	8/27/08	180	880	11/12/08	210	1000	3/12/09	310	1600	7/5/09	240	1200
			Dichloroethane[1,1-]	8/27/08	600	2400	11/12/08	530	2200	3/12/09	710	2900	7/5/09	720	2900
			Dichloroethane[1,2-]	8/27/08	210	860	11/12/08	210	860	3/12/09	ND	ND	7/5/09	260	1100
			Dichloroethene[1,1-]	8/27/08	1800	7000	11/12/08	5100	20,000	3/12/09	2200	8800	7/5/09	2500	9900
			Dichloropropane[1,2-]	8/27/08	64	300	11/12/08	ND	ND	3/12/09	ND	ND	7/5/09	63	290
			Methylene Chloride	8/27/08	420	1400	11/12/08	400	1400	3/12/09	550	1900	7/5/09	550	1900
			Tetrachloroethene	8/27/08	1400	9600	11/12/08	1000	6800	3/12/09	1100	7400	7/5/09	1200	8500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/27/08	2300	18,000	11/12/08	1800	14,000	3/12/09	ND	ND	7/5/09	2700	20,000
			Trichloroethane[1,1,1-]	8/27/08	23,000	120,000	11/12/08	24,000	130,000	3/12/09	35,000	190,000	7/5/09	30,000	170,000
			Trichloroethene	8/27/08	7700	41,000	11/12/08	6400	35,000	3/12/09	8400	45,000	7/5/09	8100	44,000
			Trichlorofluoromethane	8/27/08	350	1900	11/12/08	340	1900	3/12/09	420	2400	7/5/09	420	2400
	260	260	Carbon Tetrachloride	8/27/08	86	540	11/12/08	ND	ND	3/12/09	130	820	7/5/09	130	830
			Chloroform	8/27/08	ND	ND	11/12/08	180	900	3/12/09	220	1100	7/5/09	190	920
			Dichlorodifluoromethane	8/27/08	160	780	11/12/08	260	1300	3/12/09	340	1700	7/5/09	240	1200
			Dichloroethane[1,1-]	8/27/08	270	1100	11/12/08	330	1300	3/12/09	390	1600	7/5/09	370	1500
			Dichloroethane[1,2-]	8/27/08	47	190	11/12/08	ND	ND	3/12/09	ND	ND	7/5/09	65	260
			Dichloroethene[1,1-]	8/27/08	1600	6200	11/12/08	2500	9900	3/12/09	2500	9900	7/5/09	2400	9500
			Methylene Chloride	8/27/08	220	780	11/12/08	310	1100	3/12/09	370	1300	7/5/09	340	1200
			Tetrachloroethene	8/27/08	870	5900	11/12/08	830	5600	3/12/09	860	5800	7/5/09	860	5800

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-02031	260	260	Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/27/08	2000	15,000	11/12/08	2400	18,000	3/12/09	ND	ND	7/5/09	2600	20,000
			Trichloroethane[1,1,1-]	8/27/08	12,000	68,000	11/12/08	22,000	120,000	3/12/09	24,000	130,000	7/5/09	19,000	100,000
			Trichloroethene	8/27/08	4600	25,000	11/12/08	5500	30,000	3/12/09	6400	34,000	7/5/09	5500	30,000
			Trichlorofluoromethane	8/27/08	300	1700	11/12/08	390	2200	3/12/09	460	2600	7/5/09	400	2300
54-02034	20	20	Chloroform	8/29/08	18	90	11/13/08	26	120	3/10/09	26	120	4/5/09	24	120
			Dichlorodifluoromethane	8/29/08	17	86	11/13/08	36	180	3/10/09	42	210	4/5/09	34	170
			Dichloroethane[1,1-]	8/29/08	59	240	11/13/08	89	360	3/10/09	89	360	4/5/09	89	360
			Dichloroethene[1,1-]	8/29/08	110	430	11/13/08	450	1800	3/10/09	180	700	4/5/09	180	720
			Tetrachloroethene	8/29/08	62	420	11/13/08	72	490	3/10/09	70	480	4/5/09	75	510
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/29/08	47	360	11/13/08	60	460	3/10/09	62	480	4/5/09	68	520
			Trichloroethane[1,1,1-]	8/29/08	3700	20,000	11/13/08	6400	35,000	3/10/09	6200	34,000	4/5/09	5700	31,000
			Trichloroethene	8/29/08	710	3800	11/13/08	860	4600	3/10/09	920	5000	4/5/09	900	4800
			Trichlorofluoromethane	8/29/08	ND	ND	11/13/08	28	160	3/10/09	27	150	4/5/09	28	160
	60	60	Chloroform	8/29/08	30	150	11/13/08	35	170	3/10/09	37	180	4/5/09	24	120
			Dichlorodifluoromethane	8/29/08	35	170	11/13/08	56	280	3/10/09	70	350	4/5/09	33	160
			Dichloroethane[1,1-]	8/29/08	140	590	11/13/08	170	710	3/10/09	180	740	4/5/09	90	360
			Dichloroethane[1,2-]	8/29/08	47	190	11/13/08	63	250	3/10/09	55	220	4/5/09	ND	ND
			Dichloroethene[1,1-]	8/29/08	240	970	11/13/08	520	2100	3/10/09	330	1300	4/5/09	200	800
			Methylene Chloride	8/29/08	21	75	11/13/08	20	71	3/10/09	29	100	4/5/09	ND	ND
			Tetrachloroethene	8/29/08	110	770	11/13/08	110	750	3/10/09	110	720	4/5/09	74	500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/29/08	96	740	11/13/08	100	760	3/10/09	110	810	4/5/09	68	520
			Trichloroethane[1,1,1-]	8/29/08	6500	35,000	11/13/08	10,000	55,000	3/10/09	10,000	54,000	4/5/09	5700	31,000
			Trichloroethene	8/29/08	1500	8100	11/13/08	1600	8600	3/10/09	1700	9100	4/5/09	900	4800
			Trichlorofluoromethane	8/29/08	ND	ND	11/13/08	40	220	3/10/09	47	260	4/5/09	29	160

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-02034	160	160	Chloroform	8/29/08	ND	ND	11/13/08	23	110	3/10/09	23	110	4/5/09	24	120
			Dichlorodifluoromethane	8/29/08	56	280	11/13/08	77	380	3/10/09	110	530	4/5/09	89	440
			Dichloroethane[1,1-]	8/29/08	84	340	11/13/08	98	400	3/10/09	120	480	4/5/09	120	510
			Dichloroethane[1,2-]	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	12	47	4/5/09	13	52
			Dichloroethene[1,1-]	8/29/08	360	1400	11/13/08	600	2400	3/10/09	530	2100	4/5/09	590	2300
			Methylene Chloride	8/29/08	38	130	11/13/08	51	180	3/10/09	60	210	4/5/09	59	210
			Tetrachloroethene	8/29/08	72	480	11/13/08	66	450	3/10/09	73	500	4/5/09	78	530
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/29/08	140	1100	11/13/08	140	1100	3/10/09	160	1200	4/5/09	190	1500
			Trichloroethane[1,1,1-]	8/29/08	4300	24,000	11/13/08	7200	39,000	3/10/09	7600	41,000	4/5/09	7000	38,000
			Trichloroethene	8/29/08	1100	6100	11/13/08	1200	6600	3/10/09	1400	7600	4/5/09	1400	7600
			Trichlorofluoromethane	8/29/08	ND	ND	11/13/08	67	370	3/10/09	83	470	4/5/09	84	470
	260	260	Dichlorodifluoromethane	8/29/08	25	120	11/13/08	40	200	3/10/09	50	250	4/5/09	38	190
			Dichloroethene[1,1-]	8/29/08	92	370	11/13/08	160	640	3/10/09	150	580	4/5/09	160	640
			Methanol	8/29/08	ND	ND	11/13/08	1400 (J)	1900 (J)	3/10/09	ND	ND	4/5/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/29/08	60	460	11/13/08	66	510	3/10/09	66	510	4/5/09	69	530
			Trichloroethane[1,1,1-]	8/29/08	570	3100	11/13/08	730	4000	3/10/09	780	4300	4/5/09	720	3900
			Trichloroethene	8/29/08	43	230	11/13/08	35	190	3/10/09	48	260	4/5/09	50	270
			Trichlorofluoromethane	8/29/08	ND	ND	11/13/08	56	310	3/10/09	58	330	4/5/09	54	300
	300	300	Acetone	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	4	9.6	4/5/09	ND	ND
			Carbon Disulfide	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	1.5	4.6	4/5/09	ND	ND
			Carbon Tetrachloride	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	0.98	6.2	4/5/09	ND	ND
			Dichlorodifluoromethane	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	7.4	36	4/5/09	3	15
			Dichloroethene[1,1-]	8/29/08	16	62	11/13/08	24	94	3/10/09	24	96	4/5/09	11	45
			Tetrachloroethene	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	0.94	6.4	4/5/09	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-02034	300	300	Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/29/08	14	110	11/13/08	9.2	70	3/10/09	15	120	4/5/09	4.8	36
			Trichloroethane[1,1,1-]	8/29/08	52	280	11/13/08	51	280	3/10/09	63	340	4/5/09	19	100
			Trichloroethene	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	2.4	13	4/5/09	1	5.4
			Trichlorofluoromethane	8/29/08	ND	ND	11/13/08	15	82	3/10/09	14	78	4/5/09	5	28
54-02089	13	13	Carbon Tetrachloride	8/21/08	520	3300	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Chloroform	8/21/08	4200	20,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	8/21/08	10,000	42,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	8/21/08	49,000	200,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	8/21/08	3400	14,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	8/21/08	19,000	89,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	8/21/08	5500	37,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/21/08	31,000	230,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	8/21/08	150,000	820,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethene	8/21/08	71,000	380,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	8/21/08	1800	9900	NS	NS	NS	NS	NS	NS	NS	NS	NS
	31	31	Carbon Tetrachloride	NS	NS	NS	11/7/08	ND	ND	3/16/09	1700	11,000	6/5/09	1600	10,000
			Chloroform	NS	NS	NS	11/7/08	9000	44,000	3/16/09	7400	36,000	6/5/09	7100	34,000
			Dichlorodifluoromethane	NS	NS	NS	11/7/08	870	4300	3/16/09	930	4600	6/5/09	ND	ND
			Dichloroethane[1,1-]	NS	NS	NS	11/7/08	20,000	80,000	3/16/09	17,000	69,000	6/5/09	16,000	67,000
			Dichloroethane[1,2-]	NS	NS	NS	11/7/08	84,000	340,000	3/16/09	86,000	350,000	6/5/09	91,000	370,000
			Dichloroethene[1,1-]	NS	NS	NS	11/7/08	83,000	330,000	3/16/09	9800	39,000	6/5/09	9100	36,000
			Dichloropropane[1,2-]	NS	NS	NS	11/7/08	53,000	240,000	3/16/09	41,000	190,000	6/5/09	39,000	180,000
			Tetrachloroethene	NS	NS	NS	11/7/08	9800	66,000	3/16/09	7500	51,000	6/5/09	7100	48,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-02089	31	31	Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	11/7/08	69,000	530,000	3/16/09	71,000	550,000	6/5/09	81,000	620,000
			Trichloroethane[1,1,1-]	NS	NS	NS	11/7/08	450,000	2,500,000	3/16/09	380,000	2,100,000	6/5/09	350,000	1,900,000
			Trichloroethene	NS	NS	NS	11/7/08	180,000	1,000,000	3/16/09	140,000	740,000	6/5/09	130,000	690,000
			Trichlorofluoromethane	NS	NS	NS	11/7/08	3600	20,000	3/16/09	3400	19,000	6/5/09	3300	18,000
	46	46	Carbon Tetrachloride	8/21/08	1100	6800	11/7/08	1800	12,000	3/16/09	1800	12,000	6/5/09	1700	11,000
			Chloroform	8/21/08	7800	38,000	11/7/08	9500	46,000	3/16/09	9100	44,000	6/5/09	7200	35,000
			Dichlorodifluoromethane	8/21/08	ND	ND	11/7/08	1100	5500	3/16/09	1200	5700	6/5/09	920	4500
			Dichloroethane[1,1-]	8/21/08	15,000	60,000	11/7/08	19,000	77,000	3/16/09	18,000	71,000	6/5/09	14,000	57,000
			Dichloroethane[1,2-]	8/21/08	17,000	69,000	11/7/08	28,000	120,000	3/16/09	42,000	170,000	6/5/09	37,000	150,000
			Dichloroethene[1,1-]	8/21/08	7600	30,000	11/7/08	99,000	390,000	3/16/09	11,000	45,000	6/5/09	9000	36,000
			Dichloropropane[1,2-]	8/21/08	58,000	270,000	11/7/08	61,000	280,000	3/16/09	59,000	270,000	6/5/09	47,000	220,000
			Tetrachloroethene	8/21/08	8400	57,000	11/7/08	8200	56,000	3/16/09	8600	58,000	6/5/09	7000	48,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/21/08	74,000	570,000	11/7/08	79,000	610,000	3/16/09	92,000	700,000	6/5/09	87,000	660,000
			Trichloroethane[1,1,1-]	8/21/08	310,000	1,700,000	11/7/08	510,000	2,800,000	3/16/09	490,000	2,700,000	6/5/09	380,000	2,100,000
			Trichloroethene	8/21/08	120,000	640,000	11/7/08	150,000	800,000	3/16/09	150,000	800,000	6/5/09	120,000	640,000
			Trichlorofluoromethane	8/21/08	2900	16,000	11/7/08	4300	24,000	3/16/09	3700	21,000	6/5/09	3000	17,000
54-24238	64	63–65	Benzene	8/20/08	810	2600	11/7/08	ND	ND	3/16/09	ND	ND	5/13/09	820	2600
			Carbon Tetrachloride	8/20/08	1000	6300	11/7/08	ND	ND	3/16/09	ND	ND	5/13/09	1800	12,000
			Chloroform	8/20/08	9200	45,000	11/7/08	9900	48,000	3/16/09	10,000	50,000	5/13/09	11,000	55,000
			Dichlorodifluoromethane	8/20/08	680	3400	11/7/08	1300	6300	3/16/09	1400	7000	5/13/09	1400	6800
			Dichloroethane[1,1-]	8/20/08	12,000	49,000	11/7/08	13,000	54,000	3/16/09	14,000	57,000	5/13/09	15,000	62,000
			Dichloroethane[1,2-]	8/20/08	28,000	110,000	11/7/08	42,000	170,000	3/16/09	74,000	300,000	5/13/09	64,000	260,000
			Dichloroethene[1,1-]	8/20/08	12,000	47,000	11/7/08	75,000	300,000	3/16/09	14,000	57,000	5/13/09	19,000	74,000
			Dichloropropane[1,2-]	8/20/08	73,000	340,000	11/7/08	79,000	370,000	3/16/09	77,000	350,000	5/13/09	85,000	390,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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)
54-24238	64	63–65	Hexane	8/20/08	510	1800	11/7/08	ND	ND	3/16/09	ND	ND	5/13/09	630	2200
			Methylene Chloride	8/20/08	110,000	390,000	11/7/08	130,000	460,000	3/16/09	120,000	430,000	5/13/09	120,000	430,000
			Tetrachloroethene	8/20/08	10,000	71,000	11/7/08	9400	64,000	3/16/09	11,000	75,000	5/13/09	12,000	84,000
			Tetrahydrofuran	8/20/08	1400	4000	11/7/08	ND	ND	3/16/09	1500	4300	5/13/09	1300	3900
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/20/08	74,000	570,000	11/7/08	80,000	610,000	3/16/09	96,000	730,000	5/13/09	120,000	940,000
			Trichloroethane[1,1,1-]	8/20/08	300,000	1,700,000	11/7/08	420,000	2,300,000	3/16/09	440,000	2,400,000	5/13/09	460,000	2,500,000
			Trichloroethene	8/20/08	100,000	570,000	11/7/08	120,000	640,000	3/16/09	140,000	720,000	5/13/09	140,000	740,000
			Trichlorofluoromethane	8/20/08	3400	19,000	11/7/08	4000	23,000	3/16/09	3800	21,000	5/13/09	3900	22,000
54-24239	25	24–26	Benzene	8/21/08	140	430	11/12/08	ND	ND	3/17/09	ND	ND	6/5/09	ND	ND
			Carbon Tetrachloride	8/21/08	420	2600	11/12/08	550	3500	3/17/09	700	4400	6/5/09	340	2100
			Chloroform	8/21/08	2600	13,000	11/12/08	3000	14,000	3/17/09	2900	14,000	6/5/09	1400	6600
			Dichlorodifluoromethane	8/21/08	180	890	11/12/08	310	1500	3/17/09	270	1400	6/5/09	120	570
			Dichloroethane[1,1-]	8/21/08	3000	12,000	11/12/08	3500	14,000	3/17/09	3500	14,000	6/5/09	1700	7000
			Dichloroethane[1,2-]	8/21/08	1200	5000	11/12/08	1300	5500	3/17/09	1200	5000	6/5/09	630	2600
			Dichloroethene[1,1-]	8/21/08	4100	16,000	11/12/08	19,000	75,000	3/17/09	4800	19,000	6/5/09	2600	10,000
			Dichloropropane[1,2-]	8/21/08	1600	7500	11/12/08	1600	7200	3/17/09	1500	7000	6/5/09	780	3600
			Tetrachloroethene	8/21/08	21,000	140,000	11/12/08	37,000	250,000	3/17/09	35,000	240,000	6/5/09	16,000	110,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/21/08	6200	48,000	11/12/08	6200	48,000	3/17/09	6900	53,000	6/5/09	3600	28,000
			Trichloroethane[1,1,1-]	8/21/08	69,000	370,000	11/12/08	100,000	560,000	3/17/09	96,000	520,000	6/5/09	44,000	240,000
			Trichloroethene	8/21/08	25,000	130,000	11/12/08	30,000	160,000	3/17/09	29,000	160,000	6/5/09	14,000	76,000
			Trichlorofluoromethane	8/21/08	640	3600	11/12/08	870	4900	3/17/09	740	4200	6/5/09	350	2000
	75	74–76	Benzene	8/21/08	250	790	11/12/08	ND	ND	3/17/09	ND	ND	6/5/09	240	770
			Carbon Tetrachloride	8/21/08	510	3200	11/12/08	ND	ND	3/17/09	900	5600	6/5/09	900	5600
			Chloroform	8/21/08	3200	16,000	11/12/08	3600	18,000	3/17/09	3600	17,000	6/5/09	3700	18,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-24239	75	74–76	Dichlorodifluoromethane	8/21/08	240	1200	11/12/08	420	2100	3/17/09	390	1900	6/5/09	390	1900
			Dichloroethane[1,1-]	8/21/08	3600	14,000	11/12/08	4300	17,000	3/17/09	4200	17,000	6/5/09	4500	18,000
			Dichloroethane[1,2-]	8/21/08	2200	8900	11/12/08	2600	10,000	3/17/09	2400	9900	6/5/09	2600	10,000
			Dichloroethene[1,1-]	8/21/08	5500	22,000	11/12/08	23,000	92,000	3/17/09	6900	28,000	6/5/09	8100	32,000
			Dichloropropane[1,2-]	8/21/08	1900	8900	11/12/08	1700	8000	3/17/09	2000	9000	6/5/09	2100	9600
			Tetrachloroethene	8/21/08	25,000	170,000	11/12/08	36,000	240,000	3/17/09	44,000	300,000	6/5/09	42,000	280,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/21/08	9000	69,000	11/12/08	8600	66,000	3/17/09	9700	74,000	6/5/09	11,000	86,000
			Trichloroethane[1,1,1-]	8/21/08	94,000	510,000	11/12/08	140,000	760,000	3/17/09	130,000	720,000	6/5/09	130,000	720,000
			Trichloroethene	8/21/08	33,000	180,000	11/12/08	37,000	200,000	3/17/09	41,000	220,000	6/5/09	41,000	220,000
			Trichlorofluoromethane	8/21/08	960	5400	11/12/08	1200	6900	3/17/09	1100	6100	6/5/09	1100	6400
54-24240	28	27–29	Carbon Tetrachloride	8/22/08	ND	ND	11/10/08	ND	ND	3/14/09	1200	7800	5/14/09	ND	ND
			Chloroform	8/22/08	2200	11,000	11/10/08	4100	20,000	3/14/09	ND	ND	5/14/09	2500	12,000
			Dichlorodifluoromethane	8/22/08	2300	12,000	11/10/08	4500	22,000	3/14/09	3100	15,000	5/14/09	1200	6000
			Dichloroethane[1,1-]	8/22/08	14,000	55,000	11/10/08	22,000	91,000	3/14/09	21,000	85,000	5/14/09	14,000	59,000
			Dichloroethane[1,2-]	8/22/08	81,000	330,000	11/10/08	180,000	750,000	3/14/09	160,000	630,000	5/14/09	100,000	420,000
			Dichloroethene[1,1-]	8/22/08	2100	8500	11/10/08	74,000	290,000	3/14/09	ND	ND	5/14/09	3100	12,000
			Dichloropropane[1,2-]	8/22/08	ND	ND	11/10/08	680	3100	3/14/09	ND	ND	5/14/09	450	2100
			Methylene Chloride	8/22/08	2000	7100	11/10/08	12,000	41,000	3/14/09	4300	15,000	5/14/09	1800	6400
			Tetrachloroethene	8/22/08	36,000	240,000	11/10/08	60,000	410,000	3/14/09	47,000	320,000	5/14/09	35,000	240,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/22/08	8100	62,000	11/10/08	10,000	80,000	3/14/09	10,000	79,000	5/14/09	10,000	81,000
			Trichloroethane[1,1,1-]	8/22/08	220,000	1,200,000	11/10/08	410,000	2,300,000	3/14/09	ND	ND	5/14/09	270,000	1,500,000
			Trichloroethene	8/22/08	120,000	670,000	11/10/08	220,000	1,200,000	3/14/09	190,000	1,000,000	5/14/09	130,000	680,000
			Trichlorofluoromethane	8/22/08	3200	18,000	11/10/08	5800	33,000	3/14/09	4200	24,000	5/14/09	2400	14,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	Benzene	8/22/08	750	2400	11/10/08	ND	ND	3/14/09	680	2200	5/14/09	730	2300
			Carbon Tetrachloride	8/22/08	970	6100	11/10/08	1200	7800	3/14/09	1400	9100	5/14/09	1500	9600
			Chloroform	8/22/08	5700	28,000	11/10/08	6700	32,000	3/14/09	7800	38,000	5/14/09	6900	34,000
			Dichlorodifluoromethane	8/22/08	4500	22,000	11/10/08	4700	23,000	3/14/09	4200	21,000	5/14/09	2900	14,000
			Dichloroethane[1,1-]	8/22/08	16,000	63,000	11/10/08	16,000	66,000	3/14/09	20,000	81,000	5/14/09	20,000	79,000
			Dichloroethane[1,2-]	8/22/08	110,000	460,000	11/10/08	120,000	470,000	3/14/09	ND	ND	5/14/09	150,000	610,000
			Dichloroethene[1,1-]	8/22/08	3000	12,000	11/10/08	52,000	200,000	3/14/09	ND	ND	5/14/09	5000	20,000
			Dichloropropane[1,2-]	8/22/08	840	3900	11/10/08	1000	4700	3/14/09	970	4500	5/14/09	840	3900
			Hexane	8/22/08	560	2000	11/10/08	ND	ND	3/14/09	ND	ND	5/14/09	710	2500
			Methylene Chloride	8/22/08	36,000	120,000	11/10/08	29,000	100,000	3/14/09	23,000	79,000	5/14/09	20,000	70,000
			Tetrachloroethene	8/22/08	31,000	210,000	11/10/08	37,000	250,000	3/14/09	36,000	240,000	5/14/09	38,000	260,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/22/08	10,000	78,000	11/10/08	9400	72,000	3/14/09	12,000	92,000	5/14/09	14,000	110,000
			Trichloroethane[1,1,1-]	8/22/08	230,000	1,300,000	11/10/08	320,000	1,700,000	3/14/09	430,000	2,300,000	5/14/09	370,000	2,000,000
			Trichloroethene	8/22/08	100,000	570,000	11/10/08	130,000	710,000	3/14/09	160,000	850,000	5/14/09	160,000	860,000
			Trichlorofluoromethane	8/22/08	5800	32,000	11/10/08	5300	30,000	3/14/09	5100	29,000	5/14/09	4700	26,000
	128	127–129	Benzene	8/22/08	260	850	11/10/08	ND	ND	3/14/09	ND	ND	5/14/09	ND	ND
			Carbon Tetrachloride	8/22/08	290	1800	11/10/08	ND	ND	3/14/09	630	3900	5/14/09	ND	ND
			Chloroform	8/22/08	1500	7300	11/10/08	1300	6600	3/14/09	ND	ND	5/14/09	2000	9500
			Dichlorodifluoromethane	8/22/08	1000	5200	11/10/08	1200	6000	3/14/09	ND	ND	5/14/09	1300	6400
			Dichloroethane[1,1-]	8/22/08	6400	26,000	11/10/08	6000	24,000	3/14/09	ND	ND	5/14/09	8100	33,000
			Dichloroethane[1,2-]	8/22/08	10,000	42,000	11/10/08	7800	32,000	3/14/09	ND	ND	5/14/09	14,000	58,000
			Dichloroethene[1,1-]	8/22/08	4900	20,000	11/10/08	33,000	130,000	3/14/09	ND	ND	5/14/09	6600	26,000
			Dichloropropane[1,2-]	8/22/08	870	4000	11/10/08	600	2800	3/14/09	900	4200	5/14/09	850	3900
			Methylene Chloride	8/22/08	3000	10,000	11/10/08	1500	5200	3/14/09	3900	13,000	5/14/09	4300	15,000
			Tetrachloroethene	8/22/08	11,000	73,000	11/10/08	8800	60,000	3/14/09	ND	ND	5/14/09	14,000	94,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-24240	128	127–129	Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/22/08	4500	34,000	11/10/08	4300	33,000	3/14/09	4700	36,000	5/14/09	5800	44,000
			Trichloroethane[1,1,1-]	8/22/08	140,000	770,000	11/10/08	170,000	950,000	3/14/09	ND	ND	5/14/09	200,000	1,100,000
			Trichloroethene	8/22/08	42,000	220,000	11/10/08	45,000	240,000	3/14/09	ND	ND	5/14/09	50,000	270,000
			Trichlorofluoromethane	8/22/08	960	5400	11/10/08	1100	6400	3/14/09	ND	ND	5/14/09	1400	7700
	153	152–154	Carbon Tetrachloride	8/22/08	ND	ND	11/10/08	ND	ND	3/14/09	480	3000	5/14/09	ND	ND
			Chloroform	8/22/08	1000	5000	11/10/08	1000	5200	3/14/09	ND	ND	5/14/09	1600	7800
			Dichlorodifluoromethane	8/22/08	630	3100	11/10/08	1000	5000	3/14/09	ND	ND	5/14/09	1200	5800
			Dichloroethane[1,1-]	8/22/08	4400	18,000	11/10/08	4800	19,000	3/14/09	ND	ND	5/14/09	7100	29,000
			Dichloroethane[1,2-]	8/22/08	4000	16,000	11/10/08	3600	14,000	3/14/09	ND	ND	5/14/09	9100	37,000
			Dichloroethene[1,1-]	8/22/08	5200	20,000	11/10/08	29,000	120,000	3/14/09	ND	ND	5/14/09	6700	26,000
			Dichloropropane[1,2-]	8/22/08	560	2600	11/10/08	420	1900	3/14/09	580	2700	5/14/09	780	3600
			Methylene Chloride	8/22/08	400	1400	11/10/08	320	1100	3/14/09	ND	ND	5/14/09	1600	5600
			Tetrachloroethene	8/22/08	6900	47,000	11/10/08	6400	44,000	3/14/09	ND	ND	5/14/09	11,000	72,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/22/08	3700	28,000	11/10/08	3800	30,000	3/14/09	4100	32,000	5/14/09	5200	40,000
			Trichloroethane[1,1,1-]	8/22/08	120,000	680,000	11/10/08	140,000	790,000	3/14/09	ND	ND	5/14/09	180,000	1,000,000
			Trichloroethene	8/22/08	35,000	190,000	11/10/08	36,000	190,000	3/14/09	ND	ND	5/14/09	45,000	240,000
			Trichlorofluoromethane	8/22/08	ND	ND	11/10/08	980	5500	3/14/09	ND	ND	5/14/09	1200	6800
54-24241	73	71–74	Benzene	8/15/08	590	1900	11/10/08	ND	ND	3/16/09	500	1600	5/14/09	ND	ND
			Carbon Tetrachloride	8/15/08	3600	23,000	11/10/08	3800	24,000	3/16/09	4200	26,000	5/14/09	3900	25,000
			Chloroform	8/15/08	6800	33,000	11/10/08	8100	39,000	3/16/09	7000	34,000	5/14/09	6600	32,000
			Dichloroethane[1,1-]	8/15/08	10,000	42,000	11/10/08	11,000	46,000	3/16/09	11,000	46,000	5/14/09	11,000	45,000
			Dichloroethane[1,2-]	8/15/08	6700	27,000	11/10/08	7600	31,000	3/16/09	7600	31,000	5/14/09	7200	29,000
			Dichloroethene[1,1-]	8/15/08	6300	25,000	11/10/08	46,000	180,000	3/16/09	7400	29,000	5/14/09	8300	33,000
			Dichloropropane[1,2-]	8/15/08	6700	31,000	11/10/08	7000	32,000	3/16/09	6700	31,000	5/14/09	6400	29,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	73	71–74	Methylene Chloride	8/15/08	810	2800	11/10/08	ND	ND	3/16/09	1300	4400	5/14/09	1200	4100
			Tetrachloroethene	8/15/08	22,000	150,000	11/10/08	23,000	160,000	3/16/09	19,000	130,000	5/14/09	19,000	130,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/15/08	26,000	200,000	11/10/08	23,000	180,000	3/16/09	24,000	180,000	5/14/09	25,000	190,000
			Trichloroethane[1,1,1-]	8/15/08	230,000	1,200,000	11/10/08	300,000	1,700,000	3/16/09	250,000	1,400,000	5/14/09	230,000	1,300,000
			Trichloroethene	8/15/08	61,000	330,000	11/10/08	69,000	370,000	3/16/09	60,000	320,000	5/14/09	59,000	320,000
			Trichlorofluoromethane	8/15/08	ND	ND	11/10/08	2100	12,000	3/16/09	1600	8800	5/14/09	1600	9000
	113	112–114	Benzene	8/15/08	270	850	11/10/08	ND	ND	3/16/09	ND	ND	5/14/09	ND	ND
			Carbon Tetrachloride	8/15/08	1300	7900	11/10/08	1200	7300	3/16/09	1400	9000	5/14/09	1700	11,000
			Chloroform	8/15/08	4200	21,000	11/10/08	5500	27,000	3/16/09	4400	21,000	5/14/09	4900	24,000
			Dichlorodifluoromethane	8/15/08	250	1200	11/10/08	460	2300	3/16/09	330	1600	5/14/09	370	1800
			Dichloroethane[1,1-]	8/15/08	5500	22,000	11/10/08	6900	28,000	3/16/09	5800	23,000	5/14/09	6800	27,000
			Dichloroethane[1,2-]	8/15/08	3700	15,000	11/10/08	5000	20,000	3/16/09	4300	17,000	5/14/09	4600	18,000
			Dichloroethene[1,1-]	8/15/08	6500	26,000	11/10/08	33,000	130,000	3/16/09	7000	28,000	5/14/09	9400	37,000
			Dichloropropane[1,2-]	8/15/08	4400	20,000	11/10/08	4800	22,000	3/16/09	4500	21,000	5/14/09	5000	23,000
			Methylene Chloride	8/15/08	ND	ND	11/10/08	ND	ND	3/16/09	320	1100	5/14/09	ND	ND
			Tetrachloroethene	8/15/08	16,000	110,000	11/10/08	19,000	130,000	3/16/09	15,000	100,000	5/14/09	17,000	120,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/15/08	18,000	140,000	11/10/08	19,000	140,000	3/16/09	16,000	120,000	5/14/09	20,000	150,000
			Trichloroethane[1,1,1-]	8/15/08	130,000	740,000	11/10/08	210,000	1,100,000	3/16/09	160,000	860,000	5/14/09	170,000	940,000
			Trichloroethene	8/15/08	42,000	230,000	11/10/08	55,000	300,000	3/16/09	44,000	240,000	5/14/09	49,000	260,000
			Trichlorofluoromethane	8/15/08	1500	8700	11/10/08	2200	12,000	3/16/09	1500	8600	5/14/09	1700	9700
	133	132–134	Benzene	8/15/08	300	970	11/10/08	300	970	3/16/09	260	820	5/14/09	240	750
			Carbon Tetrachloride	8/15/08	1000	6300	11/10/08	1300	8400	3/16/09	1100	7200	5/14/09	1200	7700
			Chloroform	8/15/08	3800	18,000	11/10/08	4400	22,000	3/16/09	4000	20,000	5/14/09	3800	19,000
			Dichlorodifluoromethane	8/15/08	280	1400	11/10/08	560	2700	3/16/09	380	1900	5/14/09	380	1800

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-24241	133	132–134	Dichloroethane[1,1-]	8/15/08	4100	16,000	11/10/08	4400	18,000	3/16/09	4400	18,000	5/14/09	4500	18,000
			Dichloroethane[1,2-]	8/15/08	3100	12,000	11/10/08	3500	14,000	3/16/09	3500	14,000	5/14/09	3200	13,000
			Dichloroethene[1,1-]	8/15/08	7000	28,000	11/10/08	30,000	120,000	3/16/09	8300	33,000	5/14/09	9500	38,000
			Dichloropropane[1,2-]	8/15/08	3200	14,000	11/10/08	3000	14,000	3/16/09	3300	15,000	5/14/09	3200	15,000
			Methylene Chloride	8/15/08	ND	ND	11/10/08	ND	ND	3/16/09	ND	ND	5/14/09	270	940
			Tetrachloroethene	8/15/08	15,000	100,000	11/10/08	15,000	99,000	3/16/09	14,000	96,000	5/14/09	13,000	87,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/15/08	16,000	120,000	11/10/08	16,000	120,000	3/16/09	15,000	120,000	5/14/09	17,000	130,000
			Trichloroethane[1,1,1-]	8/15/08	120,000	640,000	11/10/08	160,000	860,000	3/16/09	140,000	780,000	5/14/09	130,000	730,000
			Trichloroethene	8/15/08	39,000	210,000	11/10/08	45,000	240,000	3/16/09	42,000	230,000	5/14/09	39,000	210,000
			Trichlorofluoromethane	8/15/08	1700	9600	11/10/08	2500	14,000	3/16/09	1800	10,000	5/14/09	1800	10,000
54-24242	25	24–26	Benzene	8/21/08	120	380	11/10/08	ND	ND	3/17/09	ND	ND	11/5/09	ND	ND
			Carbon Tetrachloride	8/21/08	340	2200	11/10/08	520	3300	3/17/09	520	3200	11/5/09	570	3600
			Chloroform	8/21/08	2200	11,000	11/10/08	2500	12,000	3/17/09	2100	10,000	11/5/09	2200	11,000
			Dichlorodifluoromethane	8/21/08	120	570	11/10/08	180	900	3/17/09	130	640	11/5/09	ND	ND
			Dichloroethane[1,1-]	8/21/08	2500	10,000	11/10/08	3000	12,000	3/17/09	2600	10,000	11/5/09	2900	12,000
			Dichloroethane[1,2-]	8/21/08	800	3200	11/10/08	1000	4200	3/17/09	770	3100	11/5/09	810	3300
			Dichloroethene[1,1-]	8/21/08	3100	12,000	11/10/08	15,000	61,000	3/17/09	2900	11,000	11/5/09	3800	15,000
			Dichloropropane[1,2-]	8/21/08	1600	7400	11/10/08	1700	7900	3/17/09	1400	6300	11/5/09	1500	6900
			Tetrachloroethene	8/21/08	44,000	300,000	11/10/08	89,000	600,000	3/17/09	56,000	380,000	11/5/09	68,000	460,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/21/08	5300	41,000	11/10/08	4900	38,000	3/17/09	4400	34,000	11/5/09	5900	46,000
			Trichloroethane[1,1,1-]	8/21/08	60,000	330,000	11/10/08	84,000	460,000	3/17/09	65,000	350,000	11/5/09	72,000	390,000
			Trichloroethene	8/21/08	27,000	140,000	11/10/08	37,000	200,000	3/17/09	27,000	140,000	11/5/09	29,000	160,000
			Trichlorofluoromethane	8/21/08	500	2800	11/10/08	630	3600	3/17/09	450	2500	11/5/09	550	3100

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-24242	50	49–51	Benzene	8/21/08	310	990	11/10/08	400	1300	3/17/09	360	1200	11/5/09	360	1200
			Carbon Tetrachloride	8/21/08	510	3200	11/10/08	1000	6500	3/17/09	1100	7000	11/5/09	1000	6400
			Chloroform	8/21/08	3100	15,000	11/10/08	4800	23,000	3/17/09	4400	22,000	11/5/09	4400	21,000
			Dichlorodifluoromethane	8/21/08	200	1000	11/10/08	460	2300	3/17/09	410	2000	11/5/09	400	2000
			Dichloroethane[1,1-]	8/21/08	3200	13,000	11/10/08	5300	21,000	3/17/09	5000	20,000	11/5/09	5000	20,000
			Dichloroethane[1,2-]	8/21/08	2500	10,000	11/10/08	4000	16,000	3/17/09	3600	14,000	11/5/09	3500	14,000
			Dichloroethene[1,1-]	8/21/08	4900	20,000	11/10/08	34,000	130,000	3/17/09	8200	32,000	11/5/09	9100	36,000
			Dichloropropane[1,2-]	8/21/08	2200	10,000	11/10/08	2700	12,000	3/17/09	2700	13,000	11/5/09	2800	13,000
			Methylene Chloride	8/21/08	1100	3800	11/10/08	1600	5700	3/17/09	1000	3600	11/5/09	1100	3900
			Tetrachloroethene	8/21/08	25,000	170,000	11/10/08	50,000	340,000	3/17/09	51,000	340,000	11/5/09	48,000	330,000
			Tetrahydrofuran	8/21/08	ND	ND	11/10/08	ND	ND	3/17/09	ND	ND	11/5/09	220	660
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/21/08	9700	74,000	11/10/08	13,000	99,000	3/17/09	13,000	100,000	11/5/09	14,000	110,000
			Trichloroethane[1,1,1-]	8/21/08	88,000	480,000	11/10/08	170,000	910,000	3/17/09	160,000	900,000	11/5/09	150,000	830,000
			Trichloroethene	8/21/08	31,000	170,000	11/10/08	50,000	270,000	3/17/09	50,000	270,000	11/5/09	48,000	260,000
			Trichlorofluoromethane	8/21/08	930	5200	11/10/08	1700	9600	3/17/09	1400	8200	11/5/09	1500	8300
54-24243	25	24–26	Carbon Tetrachloride	8/6/08	400	2500	11/14/08	570	3600	3/19/09	900	5600	5/15/09	850	5300
			Chloroform	8/6/08	3600	17,000	11/14/08	4900	24,000	3/19/09	4400	21,000	5/15/09	4700	23,000
			Dichlorodifluoromethane	8/6/08	ND	ND	11/14/08	350	1700	3/19/09	410	2000	5/15/09	ND	ND
			Dichloroethane[1,1-]	8/6/08	4500	18,000	11/14/08	6000	24,000	3/19/09	6000	24,000	5/15/09	6800	28,000
			Dichloroethane[1,2-]	8/6/08	1800	7100	11/14/08	2900	12,000	3/19/09	3300	13,000	5/15/09	3900	16,000
			Dichloroethene[1,1-]	8/6/08	3200	12,000	11/14/08	19,000	76,000	3/19/09	4900	19,000	5/15/09	5700	23,000
			Dichloropropane[1,2-]	8/6/08	10,000	46,000	11/14/08	12,000	55,000	3/19/09	11,000	50,000	5/15/09	12,000	56,000
			Tetrachloroethene	8/6/08	3400	23,000	11/14/08	4100	28,000	3/19/09	3600	24,000	5/15/09	4000	27,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/6/08	26,000	200,000	11/14/08	33,000	250,000	3/19/09	39,000	300,000	5/15/09	54,000	420,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	25	24–26	Trichloroethane[1,1,1-]	8/6/08	120,000	640,000	11/14/08	210,000	1,100,000	3/19/09	170,000	940,000	5/15/09	170,000	950,000
			Trichloroethene	8/6/08	38,000	200,000	11/14/08	49,000	260,000	3/19/09	48,000	260,000	5/15/09	49,000	260,000
			Trichlorofluoromethane	8/6/08	1000	5900	11/14/08	1600	8800	3/19/09	1400	7800	5/15/09	1400	7900
	75	74–76	Carbon Tetrachloride	8/6/08	560	3600	11/14/08	ND	ND	3/19/09	1300	8200	5/15/09	ND	ND
			Chloroform	8/6/08	5200	25,000	11/14/08	7300	36,000	3/19/09	7300	36,000	5/15/09	6600	32,000
			Dichlorodifluoromethane	8/6/08	ND	ND	11/14/08	500	2500	3/19/09	650	3200	5/15/09	580	2900
			Dichloroethane[1,1-]	8/6/08	5500	22,000	11/14/08	7200	29,000	3/19/09	8100	33,000	5/15/09	7800	31,000
			Dichloroethane[1,2-]	8/6/08	2500	10,000	11/14/08	3500	14,000	3/19/09	3100	12,000	5/15/09	2900	12,000
			Dichloroethene[1,1-]	8/6/08	5800	23,000	11/14/08	30,000	120,000	3/19/09	10,000	40,000	5/15/09	10,000	40,000
			Dichloropropane[1,2-]	8/6/08	21,000	99,000	11/14/08	24,000	110,000	3/19/09	26,000	120,000	5/15/09	24,000	110,000
			Methylene Chloride	8/6/08	1400	4800	11/14/08	1500	5300	3/19/09	1600	5700	5/15/09	1700	5800
			Tetrachloroethene	8/6/08	4300	29,000	11/14/08	5200	35,000	3/19/09	5000	34,000	5/15/09	4600	31,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/6/08	41,000	310,000	11/14/08	51,000	390,000	3/19/09	62,000	470,000	5/15/09	67,000	510,000
			Trichloroethane[1,1,1-]	8/6/08	180,000	980,000	11/14/08	300,000	1,600,000	3/19/09	290,000	1,600,000	5/15/09	250,000	1,400,000
			Trichloroethene	8/6/08	57,000	310,000	11/14/08	72,000	390,000	3/19/09	77,000	420,000	5/15/09	68,000	360,000
			Trichlorofluoromethane	8/6/08	1900	11,000	11/14/08	2800	16,000	3/19/09	2700	15,000	5/15/09	2600	14,000
	125	124–126	Benzene	8/6/08	590	1900	11/14/08	570	1800	3/19/09	680	2200	5/15/09	700	2200
			Carbon Tetrachloride	8/6/08	620	3900	11/14/08	1000	6300	3/19/09	1100	7200	5/15/09	1300	7900
			Chloroform	8/6/08	4800	23,000	11/14/08	6200	30,000	3/19/09	6600	32,000	5/15/09	7000	34,000
			Dichlorodifluoromethane	8/6/08	240	1200	11/14/08	470	2300	3/19/09	560	2800	5/15/09	ND	ND
			Dichloroethane[1,1-]	8/6/08	4000	16,000	11/14/08	5200	21,000	3/19/09	6000	24,000	5/15/09	6700	27,000
			Dichloroethane[1,2-]	8/6/08	5300	21,000	11/14/08	7000	28,000	3/19/09	7200	29,000	5/15/09	7700	31,000
			Dichloroethene[1,1-]	8/6/08	8000	32,000	11/14/08	29,000	110,000	3/19/09	13,000	50,000	5/15/09	15,000	59,000
			Dichloropropane[1,2-]	8/6/08	13,000	62,000	11/14/08	15,000	68,000	3/19/09	18,000	85,000	5/15/09	21,000	98,000
			Ethanol	8/6/08	920	1700	11/14/08	ND	ND	3/19/09	ND	ND	5/15/09	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	125	124–126	Methylene Chloride	8/6/08	9700	34,000	11/14/08	12,000	42,000	3/19/09	14,000	48,000	5/15/09	16,000	54,000
			Tetrachloroethene	8/6/08	4800	33,000	11/14/08	5600	38,000	3/19/09	5900	40,000	5/15/09	6700	45,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/6/08	26,000	200,000	11/14/08	30,000	230,000	3/19/09	40,000	300,000	5/15/09	43,000	330,000
			Trichloroethane[1,1,1-]	8/6/08	140,000	740,000	11/14/08	240,000	1,300,000	3/19/09	240,000	1,300,000	5/15/09	240,000	1,300,000
			Trichloroethene	8/6/08	45,000	240,000	11/14/08	59,000	320,000	3/19/09	70,000	370,000	5/15/09	73,000	390,000
			Trichlorofluoromethane	8/6/08	2700	15,000	11/14/08	3900	22,000	3/19/09	3700	21,000	5/15/09	3900	22,000
54-24399	550[c]	550–608[d]	Acetone	9/3/08	ND	ND	12/2/08	ND	ND	3/22/09	ND	ND	12/5/09	31	74
			Butanone[2-]	9/3/08	ND	ND	12/2/08	ND	ND	3/22/09	ND	ND	12/5/09	9.7	28
			Carbon Tetrachloride	9/3/08	23	140	12/2/08	ND	ND	3/22/09	ND	ND	12/5/09	5	32
			Chloroform	9/3/08	93	450	12/2/08	33	160	3/22/09	ND	ND	12/5/09	14	69
			Dichlorodifluoromethane	9/3/08	9.9	49	12/2/08	9.2	46	3/22/09	ND	ND	12/5/09	3.6	18
			Dichloroethane[1,1-]	9/3/08	160	630	12/2/08	52	210	3/22/09	10	41	12/5/09	24	98
			Dichloroethane[1,2-]	9/3/08	23	92	12/2/08	18	74	3/22/09	ND	ND	12/5/09	8.2	33
			Dichloroethene[1,1-]	9/3/08	ND	ND	12/2/08	ND	ND	3/22/09	19	74	12/5/09	63	250
			Dichloropropane[1,2-]	9/3/08	46	210	12/2/08	18	84	3/22/09	ND	ND	12/5/09	7.5	34
			Methylene Chloride	9/3/08	11	37	12/2/08	10	35	3/22/09	8.4	29	12/5/09	3.7	13
			Tetrachloroethene	9/3/08	ND	ND	12/2/08	ND	ND	3/22/09	24	160	12/5/09	68	460
			Toluene	9/3/08	ND	ND	12/2/08	ND	ND	3/22/09	24	91	12/5/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	9/3/08	380	2900	12/2/08	110	820	3/22/09	23	180	12/5/09	65	500
			Trichloroethane[1,1,1-]	9/3/08	ND	ND	12/2/08	ND	ND	3/22/09	180	990	12/5/09	500	2700
			Trichloroethene	9/3/08	ND	ND	12/2/08	ND	ND	3/22/09	62	330	12/5/09	150	800
			Trichlorofluoromethane	9/3/08	24	140	12/2/08	ND	ND	3/22/09	ND	ND	12/5/09	6.8	38

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	32	29.5–34.5	Carbon Tetrachloride	8/22/08	300	1900	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	ND	ND
			Chloroform	8/22/08	1000	5000	11/10/08	1200	6000	3/13/09	1400	6900	5/13/09	1500	7400
			Dichlorodifluoromethane	8/22/08	1800	9000	11/10/08	1900	9300	3/13/09	1800	8900	5/13/09	1400	7000
			Dichloroethane[1,1-]	8/22/08	10,000	41,000	11/10/08	11,000	43,000	3/13/09	14,000	58,000	5/13/09	16,000	64,000
			Dichloroethane[1,2-]	8/22/08	25,000	100,000	11/10/08	30,000	120,000	3/13/09	32,000	130,000	5/13/09	36,000	150,000
			Dichloroethene[1,1-]	8/22/08	2300	9100	11/10/08	37,000	150,000	3/13/09	4300	17,000	5/13/09	4700	19,000
			Dichloropropane[1,2-]	8/22/08	530	2500	11/10/08	500	2300	3/13/09	ND	ND	5/13/09	680	3200
			Methylene Chloride	8/22/08	5200	18,000	11/10/08	5400	19,000	3/13/09	3900	14,000	5/13/09	3600	12,000
			Tetrachloroethene	8/22/08	22000	150,000	11/10/08	25000	170,000	3/13/09	25000	170,000	5/13/09	34,000	230,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/22/08	5600	43,000	11/10/08	5200	40,000	3/13/09	6600	51,000	5/13/09	9600	74,000
			Trichloroethane[1,1,1-]	8/22/08	160000	880,000	11/10/08	200000	1,100,000	3/13/09	380000	2,100,000	5/13/09	380,000	2,100,000
			Trichloroethene	8/22/08	72000	390,000	11/10/08	100000	550,000	3/13/09	120000	620,000	5/13/09	130,000	680,000
			Trichlorofluoromethane	8/22/08	1800	9900	11/10/08	1900	11,000	3/13/09	1800	9900	5/13/09	2000	11,000
	82	79.5–84.5	Benzene	8/22/08	240	780	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	ND	ND
			Carbon Tetrachloride	8/22/08	240	1500	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	ND	ND
			Chloroform	8/22/08	1100	5200	11/10/08	1200	6100	3/13/09	1200	5800	5/13/09	1500	7400
			Dichlorodifluoromethane	8/22/08	1500	7200	11/10/08	1700	8400	3/13/09	1800	9200	5/13/09	1400	7000
			Dichloroethane[1,1-]	8/22/08	7300	30,000	11/10/08	8100	33,000	3/13/09	7800	31,000	5/13/09	9700	39,000
			Dichloroethane[1,2-]	8/22/08	18000	71,000	11/10/08	21000	84,000	3/13/09	17000	71,000	5/13/09	23,000	93,000
			Dichloroethene[1,1-]	8/22/08	2600	10,000	11/10/08	30000	120,000	3/13/09	3700	15,000	5/13/09	5200	21,000
			Dichloropropane[1,2-]	8/22/08	720	3300	11/10/08	750	3500	3/13/09	590	2700	5/13/09	850	3900
			Hexane	8/22/08	350	1200	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	520	1800
			Methylene Chloride	8/22/08	13000	47,000	11/10/08	14000	50,000	3/13/09	12000	43,000	5/13/09	14,000	49,000
			Tetrachloroethene	8/22/08	21000	140,000	11/10/08	23000	160,000	3/13/09	18000	120,000	5/13/09	28,000	190,000
			Tetrahydrofuran	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	420	1200
			Toluene	8/22/08	580	2200	11/10/08	510	1900	3/13/09	ND	ND	5/13/09	430	1600

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/22/08	3700	29,000	11/10/08	3500	27,000	3/13/09	3800	29,000	5/13/09	5400	42,000
			Trichloroethane[1,1,1-]	8/22/08	130000	730,000	11/10/08	190000	1,000,000	3/13/09	200000	1,100,000	5/13/09	230,000	1,300,000
			Trichloroethene	8/22/08	38000	210,000	11/10/08	47000	250,000	3/13/09	43000	230,000	5/13/09	56,000	300,000
			Trichlorofluoromethane	8/22/08	1300	7200	11/10/08	1500	8400	3/13/09	1500	8500	5/13/09	1600	9100
	115	112.5–117.5	Benzene	8/22/08	220	690	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	220	700
			Chloroform	8/22/08	1000	5000	11/10/08	1100	5500	3/13/09	1300	6500	5/13/09	1400	7000
			Dichlorodifluoromethane	8/22/08	1000	5200	11/10/08	1400	6700	3/13/09	1700	8600	5/13/09	1400	6800
			Dichloroethane[1,1-]	8/22/08	6300	25,000	11/10/08	6900	28,000	3/13/09	7700	31,000	5/13/09	8700	35,000
			Dichloroethane[1,2-]	8/22/08	12000	49,000	11/10/08	14000	56,000	3/13/09	14,000	58,000	5/13/09	16,000	65,000
			Dichloroethene[1,1-]	8/22/08	3300	13,000	11/10/08	27000	110,000	3/13/09	5100	20,000	5/13/09	5500	22,000
			Dichloropropane[1,2-]	8/22/08	850	3900	11/10/08	800	3700	3/13/09	ND	ND	5/13/09	960	4400
			Hexane	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	240	850
			Methylene Chloride	8/22/08	7000	24,000	11/10/08	8200	28,000	3/13/09	8300	29,000	5/13/09	8600	30,000
			Tetrachloroethene	8/22/08	13000	89,000	11/10/08	12000	84,000	3/13/09	14000	95,000	5/13/09	17,000	120,000
			Toluene	8/22/08	250	960	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/22/08	3200	24,000	11/10/08	2800	21,000	3/13/09	3600	28,000	5/13/09	4500	35,000
			Trichloroethane[1,1,1-]	8/22/08	130000	720,000	11/10/08	180000	970,000	3/13/09	210,000	1,200,000	5/13/09	210,000	1,100,000
			Trichloroethene	8/22/08	34000	180,000	11/10/08	37000	200,000	3/13/09	44000	240,000	5/13/09	47,000	250,000
			Trichlorofluoromethane	8/22/08	880	4900	11/10/08	1100	6100	3/13/09	1200	6900	5/13/09	1300	7400
	182	179.5–184.5	Carbon Tetrachloride	8/22/08	ND	ND	11/10/08	250	1600	3/13/09	ND	ND	5/13/09	ND	ND
			Chloroform	8/22/08	630	3100	11/10/08	820	4000	3/13/09	850	4200	5/13/09	760	3700
			Dichlorodifluoromethane	8/22/08	520	2600	11/10/08	850	4200	3/13/09	1200	5700	5/13/09	830	4100
			Dichloroethane[1,1-]	8/22/08	3100	13,000	11/10/08	3800	15,000	3/13/09	4300	18,000	5/13/09	4200	17,000
			Dichloroethane[1,2-]	8/22/08	2300	9300	11/10/08	2600	10,000	3/13/09	3100	12,000	5/13/09	2900	12,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	182	179.5–184.5	Dichloroethene[1,1-]	8/22/08	4700	18,000	11/10/08	24000	95,000	3/13/09	7200	28,000	5/13/09	7500	30,000
			Dichloropropane[1,2-]	8/22/08	330	1500	11/10/08	300	1400	3/13/09	410	1900	5/13/09	360	1700
			Methylene Chloride	8/22/08	4800	17,000	11/10/08	6100	21,000	3/13/09	7200	25,000	5/13/09	6700	23,000
			Tetrachloroethene	8/22/08	3800	25,000	11/10/08	3400	23,000	3/13/09	3600	24,000	5/13/09	4100	28,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/22/08	2800	21,000	11/10/08	2900	22,000	3/13/09	3200	24,000	5/13/09	3300	25,000
			Trichloroethane[1,1,1-]	8/22/08	100000	550,000	11/10/08	140000	770,000	3/13/09	160000	880,000	5/13/09	140,000	740,000
			Trichloroethene	8/22/08	28000	150,000	11/10/08	28000	150,000	3/13/09	33000	180,000	5/13/09	31,000	160,000
			Trichlorofluoromethane	8/22/08	ND	ND	11/10/08	850	4800	3/13/09	870	4900	5/13/09	790	4400
	271	268.5–273.5	Carbon Tetrachloride	8/22/08	110	700	11/10/08	120	760	3/13/09	110	670	5/13/09	160	1000
			Chloroform	8/22/08	130	630	11/10/08	ND	ND	3/13/09	140	670	5/13/09	150	710
			Dichlorodifluoromethane	8/22/08	300	1500	11/10/08	430	2100	3/13/09	570	2800	5/13/09	450	2200
			Dichloroethane[1,1-]	8/22/08	490	2000	11/10/08	530	2100	3/13/09	580	2300	5/13/09	610	2500
			Dichloroethene[1,1-]	8/22/08	3200	13,000	11/10/08	6500	26,000	3/13/09	3900	16,000	5/13/09	4400	17,000
			Methylene Chloride	8/22/08	490	1700	11/10/08	580	2000	3/13/09	640	2200	5/13/09	680	2400
			Tetrachloroethene	8/22/08	1000	7000	11/10/08	860	5800	3/13/09	790	5300	5/13/09	980	6600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/22/08	2000	15,000	11/10/08	1600	12,000	3/13/09	1800	14,000	5/13/09	2300	18,000
			Trichloroethane[1,1,1-]	8/22/08	20000	110,000	11/10/08	25000	140,000	3/13/09	30000	170,000	5/13/09	28,000	150,000
			Trichloroethene	8/22/08	6800	36,000	11/10/08	7100	38,000	3/13/09	7700	41,000	5/13/09	8000	43,000
			Trichlorofluoromethane	8/22/08	400	2200	11/10/08	450	2500	3/13/09	450	2500	5/13/09	460	2600
	332.5	330–335	Carbon Tetrachloride	8/22/08	20	120	11/10/08	24	150	3/13/09	25	160	5/13/09	19	120
			Chloroform	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND	5/13/09	9.1 (J)	44 (J)
			Dichlorodifluoromethane	8/22/08	58	290	11/10/08	93	460	3/13/09	120	600	5/13/09	63	310
			Dichloroethane[1,1-]	8/22/08	20	82	11/10/08	28	120	3/13/09	30	120	5/13/09	24	96
			Dichloroethene[1,1-]	8/22/08	510	2000	11/10/08	760	3000	3/13/09	770	3000	5/13/09	890	3500

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	332.5	330–335	Methylene Chloride	8/22/08	14	48	11/10/08	21	73	3/13/09	23	81	5/13/09	20	70
			Tetrachloroethene	8/22/08	110	760	11/10/08	110	750	3/13/09	110	740	5/13/09	95	650
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/22/08	480	3700	11/10/08	550	4200	3/13/09	540	4200	5/13/09	520	4000
			Trichloroethane[1,1,1-]	8/22/08	1600	8700	11/10/08	2200	12,000	3/13/09	2300	12,000	5/13/09	1700	9400
			Trichloroethene	8/22/08	680	3600	11/10/08	760	4100	3/13/09	840	4500	5/13/09	650	3500
			Trichlorofluoromethane	8/22/08	100	560	11/10/08	120	700	3/13/09	140	790	5/13/09	110	630
54-27642	30	27.5–32.5	Carbon Tetrachloride	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	1300	8300	7/5/09	ND	ND
			Chloroform	8/20/08	5600	27,000	11/6/08	6400	31,000	3/15/09	8100	40,000	7/5/09	6500	32,000
			Dichlorodifluoromethane	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	1000	5100	7/5/09	ND	ND
			Dichloroethane[1,1-]	8/20/08	11000	44,000	11/6/08	13000	53,000	3/15/09	16000	65,000	7/5/09	13,000	53,000
			Dichloroethane[1,2-]	8/20/08	1900	7700	11/6/08	2600	10,000	3/15/09	4200	17,000	7/5/09	3400	14,000
			Dichloroethene[1,1-]	8/20/08	9400	37,000	11/6/08	130000	520,000	3/15/09	17000	68,000	7/5/09	15,000	58,000
			Dichloropropane[1,2-]	8/20/08	21000	97,000	11/6/08	21000	97,000	3/15/09	24000	110,000	7/5/09	21,000	96,000
			Tetrachloroethene	8/20/08	8300	56,000	11/6/08	7200	49,000	3/15/09	8200	56,000	7/5/09	7500	51,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/20/08	46000	350,000	11/6/08	200000	1,500,000	3/15/09	220000	1,700,000	7/5/09	200,000	1,500,000
			Trichloroethane[1,1,1-]	8/20/08	500000	2,800,000	11/6/08	630000	3,400,000	3/15/09	800000	4,400,000	7/5/09	560,000	3,100,000
			Trichloroethene	8/20/08	57000	300,000	11/6/08	53000	280,000	3/15/09	67000	360,000	7/5/09	55,000	300,000
			Trichlorofluoromethane	8/20/08	ND	ND	11/6/08	2300	13,000	3/15/09	2200	12,000	7/5/09	1900	11,000
	75	71.5–76.5	Benzene	8/20/08	910	2900	11/6/08	1100	3400	3/15/09	760	2400	7/5/09	810	2600
			Carbon Tetrachloride	8/20/08	940	5900	11/6/08	1700	11,000	3/15/09	1500	9200	7/5/09	1400	9100
			Chloroform	8/20/08	7300	36,000	11/6/08	11000	52,000	3/15/09	7600	37,000	7/5/09	8400	41,000
			Dichlorodifluoromethane	8/20/08	ND	ND	11/6/08	590	2900	3/15/09	560	2800	7/5/09	550	2700
			Dichloroethane[1,1-]	8/20/08	5400	22,000	11/6/08	7900	32,000	3/15/09	6100	25,000	7/5/09	7100	29,000
			Dichloroethane[1,2-]	8/20/08	6600	27,000	11/6/08	11000	46,000	3/15/09	6300	26,000	7/5/09	7000	28,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	75	71.5–76.5	Dichloroethene[1,1-]	8/20/08	11000	45,000	11/6/08	66000	260,000	3/15/09	14000	56,000	7/5/09	17,000	68,000
			Dichloropropane[1,2-]	8/20/08	22000	99,000	11/6/08	32000	150,000	3/15/09	22000	100,000	7/5/09	25,000	110,000
			Methylene Chloride	8/20/08	3400	12,000	11/6/08	5500	19,000	3/15/09	3200	11,000	7/5/09	3800	13,000
			Tetrachloroethene	8/20/08	8400	57,000	11/6/08	12000	83,000	3/15/09	7800	53,000	7/5/09	8300	56,000
			Tetrahydrofuran	8/20/08	8500	25,000	11/6/08	ND	ND	3/15/09	9800	29,000	7/5/09	12,000	34,000
			Toluene	8/20/08	720	2700	11/6/08	1000	3900	3/15/09	ND	ND	7/5/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/20/08	35000	270,000	11/6/08	42000	320,000	3/15/09	43000	330,000	7/5/09	54,000	410,000
			Trichloroethane[1,1,1-]	8/20/08	220000	1,200,000	11/6/08	370000	2,000,000	3/15/09	280000	1,500,000	7/5/09	300,000	1,600,000
			Trichloroethene	8/20/08	64000	340,000	11/6/08	100000	550,000	3/15/09	69000	370,000	7/5/09	73,000	390,000
			Trichlorofluoromethane	8/20/08	4300	24,000	11/6/08	5900	33,000	3/15/09	4700	26,000	7/5/09	4800	27,000
	116	114.5–119.5	Carbon Tetrachloride	8/20/08	980	6200	11/6/08	ND	ND	3/15/09	2000	13,000	7/5/09	1900	12,000
			Chloroform	8/20/08	8200	40,000	11/6/08	10000	49,000	3/15/09	9400	46,000	7/5/09	9800	48,000
			Dichlorodifluoromethane	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND	7/5/09	720	3600
			Dichloroethane[1,1-]	8/20/08	9100	37,000	11/6/08	11000	45,000	3/15/09	11000	44,000	7/5/09	12,000	49,000
			Dichloroethane[1,2-]	8/20/08	5700	23,000	11/6/08	6800	28,000	3/15/09	5600	23,000	7/5/09	5800	23,000
			Dichloroethene[1,1-]	8/20/08	11000	42,000	11/6/08	86000	340,000	3/15/09	15000	61,000	7/5/09	18,000	70,000
			Dichloropropane[1,2-]	8/20/08	35000	160,000	11/6/08	36000	170,000	3/15/09	37000	170,000	7/5/09	40,000	180,000
			Methylene Chloride	8/20/08	1400	4900	11/6/08	1000	3500	3/15/09	960	3400	7/5/09	890	3100
			Tetrachloroethene	8/20/08	10000	70,000	11/6/08	10000	68,000	3/15/09	10000	71,000	7/5/09	11,000	73,000
			Tetrahydrofuran	8/20/08	3500	10,000	11/6/08	ND	ND	3/15/09	3200	9500	7/5/09	3200	9500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/20/08	52000	400,000	11/6/08	82000	630,000	3/15/09	120000	950,000	7/5/09	130,000	1,000,000
			Trichloroethane[1,1,1-]	8/20/08	350000	1,900,000	11/6/08	540000	3,000,000	3/15/09	490000	2,700,000	7/5/09	480,000	2,600,000
			Trichloroethene	8/20/08	77000	420,000	11/6/08	84000	450,000	3/15/09	85000	460,000	7/5/09	86,000	460,000
			Trichlorofluoromethane	8/20/08	3400	19,000	11/6/08	4600	26,000	3/15/09	3900	22,000	7/5/09	3800	21,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	Benzene	8/20/08	1400	4300	11/6/08	1200	4000	3/15/09	1500	4700	7/5/09	1300	4200
			Carbon Tetrachloride	8/20/08	910	5700	11/6/08	ND	ND	3/15/09	1500	9300	7/5/09	1400	8900
			Chlorobenzene	8/20/08	320	1500	11/6/08	ND	ND	3/15/09	360	1700	7/5/09	320	1500
			Chloroform	8/20/08	5600	27,000	11/6/08	6900	34,000	3/15/09	7300	36,000	7/5/09	6500	32,000
			Dichlorodifluoromethane	8/20/08	450	2200	11/6/08	820	4000	3/15/09	800	4000	7/5/09	660	3300
			Dichloroethane[1,1-]	8/20/08	2600	11,000	11/6/08	3400	14,000	3/15/09	3800	15,000	7/5/09	3400	14,000
			Dichloroethane[1,2-]	8/20/08	3700	15,000	11/6/08	4800	20,000	3/15/09	4800	20,000	7/5/09	4400	18,000
			Dichloroethene[1,1-]	8/20/08	12000	49,000	11/6/08	39000	150,000	3/15/09	18000	74,000	7/5/09	18,000	72,000
			Dichloropropane[1,2-]	8/20/08	7700	36,000	11/6/08	8000	37,000	3/15/09	9400	43,000	7/5/09	8600	40,000
			Ethanol	8/20/08	ND	ND	11/6/08	1900	3600	3/15/09	1600	3100	7/5/09	ND	ND
			Ethylbenzene	8/20/08	310	1300	11/6/08	ND	ND	3/15/09	310	1300	7/5/09	ND	ND
			Hexane	8/20/08	600	2100	11/6/08	740	2600	3/15/09	740	2600	7/5/09	720	2500
			Methylene Chloride	8/20/08	20000	69,000	11/6/08	28000	98,000	3/15/09	29000	100,000	7/5/09	27,000	94,000
			Tetrachloroethene	8/20/08	5700	38,000	11/6/08	4600	31,000	3/15/09	6500	44,000	7/5/09	5800	39,000
			Toluene	8/20/08	6300	24,000	11/6/08	6200	23,000	3/15/09	6100	23,000	7/5/09	5300	20,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/20/08	26000	200,000	11/6/08	26000	200,000	3/15/09	36000	280,000	7/5/09	33,000	250,000
			Trichloroethane[1,1,1-]	8/20/08	140000	750,000	11/6/08	210000	1,100,000	3/15/09	210000	1,200,000	7/5/09	180,000	980,000
			Trichloroethene	8/20/08	47000	250,000	11/6/08	51000	280,000	3/15/09	64000	340,000	7/5/09	56,000	300,000
			Trichlorofluoromethane	8/20/08	5000	28,000	11/6/08	7000	40,000	3/15/09	6800	38,000	7/5/09	5900	33,000
			Xylene[1,2-]	8/20/08	820	3600	11/6/08	580	2500	3/15/09	880	3800	7/5/09	760	3300
			Xylene[1,3-] +Xylene[1,4-]	8/20/08	540	2400	11/6/08	430	1900	3/15/09	580	2500	7/5/09	520	2200
	275	272.5–277.5	Benzene	8/20/08	720	2300	11/6/08	700	2200	3/15/09	720	2300	7/5/09	760	2400
			Carbon Tetrachloride	8/20/08	620	3900	11/6/08	820	5200	3/15/09	850	5400	7/5/09	880	5500
			Chloroform	8/20/08	2100	10,000	11/6/08	2800	14,000	3/15/09	2400	12,000	7/5/09	2500	12,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	275	272.5–277.5	Dichlorodifluoromethane	8/20/08	450	2200	11/6/08	730	3600	3/15/09	670	3300	7/5/09	650	3200
			Dichloroethane[1,1-]	8/20/08	690	2800	11/6/08	1800	7300	3/15/09	910	3700	7/5/09	920	3700
			Dichloroethane[1,2-]	8/20/08	120	470	11/6/08	3700	15,000	3/15/09	200	790	7/5/09	150	630
			Dichloroethene[1,1-]	8/20/08	11000	44,000	11/6/08	25,000	100,000	3/15/09	14000	57,000	7/5/09	16,000	63,000
			Dichloropropane[1,2-]	8/20/08	690	3200	11/6/08	2900	13,000	3/15/09	880	4100	7/5/09	820	3800
			Hexane	8/20/08	720	2500	11/6/08	760	2700	3/15/09	710	2500	7/5/09	790	2800
			Methylene Chloride	8/20/08	7100	25,000	11/6/08	9300	32,000	3/15/09	9500	33,000	7/5/09	10,000	35,000
			Tetrachloroethene	8/20/08	2200	15,000	11/6/08	2400	16,000	3/15/09	2200	15,000	7/5/09	2200	15,000
			Toluene	8/20/08	1400	5100	11/6/08	1200	4500	3/15/09	1100	4100	7/5/09	1200	4400
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/20/08	17000	130,000	11/6/08	20,000	160,000	3/15/09	21000	160,000	7/5/09	22,000	170,000
			Trichloroethane[1,1,1-]	8/20/08	51000	280,000	11/6/08	87,000	480,000	3/15/09	71000	390,000	7/5/09	67,000	360,000
			Trichloroethene	8/20/08	22000	120,000	11/6/08	33,000	180,000	3/15/09	27000	140,000	7/5/09	27,000	150,000
			Trichlorofluoromethane	8/20/08	3100	18,000	11/6/08	4300	24,000	3/15/09	3900	22,000	7/5/09	3900	22,000
	338	335.5–340.5	Benzene	8/20/08	180	580	11/6/08	170	550	3/15/09	200	640	7/5/09	170	550
			Carbon Tetrachloride	8/20/08	240	1500	11/6/08	320	2000	3/15/09	320	2000	7/5/09	270	1700
			Chloroform	8/20/08	290	1400	11/6/08	380	1900	3/15/09	360	1800	7/5/09	300	1500
			Dichlorodifluoromethane	8/20/08	200	980	11/6/08	330	1600	3/15/09	330	1600	7/5/09	280	1400
			Dichloroethane[1,1-]	8/20/08	100	420	11/6/08	120	480	3/15/09	130	530	7/5/09	110	450
			Dichloroethane[1,2-]	8/20/08	19	77	11/6/08	ND	ND	3/15/09	ND	ND	7/5/09	ND	ND
			Dichloroethene[1,1-]	8/20/08	4200	16,000	11/6/08	6100	24,000	3/15/09	6200	24,000	7/5/09	5800	23,000
			Dichloropropane[1,2-]	8/20/08	82	380	11/6/08	33	150	3/15/09	33	150	7/5/09	28	130
			Hexane	8/20/08	290	1000	11/6/08	280	1000	3/15/09	310	1100	7/5/09	240	850
			Methylene Chloride	8/20/08	740	2600	11/6/08	1100	3800	3/15/09	1100	3900	7/5/09	990	3400
			Tetrachloroethene	8/20/08	440	3000	11/6/08	410	2800	3/15/09	440	3000	7/5/09	380	2600
			Toluene	8/20/08	150	560	11/6/08	160	590	3/15/09	130	480	7/5/09	100	380

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	338	335.5–340.5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/20/08	4400	33,000	11/6/08	5600	43,000	3/15/09	6400	49,000	7/5/09	5700	44,000
			Trichloroethane[1,1,1-]	8/20/08	10000	56,000	11/6/08	17000	92,000	3/15/09	15000	84,000	7/5/09	12,000	67,000
			Trichloroethene	8/20/08	4800	26,000	11/6/08	6500	35,000	3/15/09	6900	37,000	7/5/09	5700	31,000
			Trichlorofluoromethane	8/20/08	810	4500	11/6/08	970	5400	3/15/09	1100	6200	7/5/09	920	5200
54-27643	30	27.5–32.5	Carbon Tetrachloride	8/12/08	360	2300	11/21/08	340	2200	3/17/09	460	2900	5/15/09	460	2900
			Chloroform	8/12/08	2000	9800	11/21/08	2400	12,000	3/17/09	2200	11,000	5/15/09	2200	11,000
			Dichlorodifluoromethane	8/12/08	ND	ND	11/21/08	150	730	3/17/09	ND	ND	5/15/09	ND	ND
			Dichloroethane[1,1-]	8/12/08	1300	5300	11/21/08	1600	6400	3/17/09	1500	6000	5/15/09	1600	6300
			Dichloroethane[1,2-]	8/12/08	850	3400	11/21/08	1000	4200	3/17/09	1000	4200	5/15/09	1000	4200
			Dichloroethene[1,1-]	8/12/08	1900	7600	11/21/08	14,000	55,000	3/17/09	1900	7700	5/15/09	2000	7800
			Dichloropropane[1,2-]	8/12/08	4800	22,000	11/21/08	5600	26,000	3/17/09	5600	26,000	5/15/09	5800	27,000
			Tetrachloroethene	8/12/08	2900	19,000	11/21/08	3000	20,000	3/17/09	3600	24,000	5/15/09	3100	21,000
			Toluene	8/12/08	400	1500	11/21/08	ND	ND	3/17/09	ND	ND	5/15/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/12/08	8600	66,000	11/21/08	7400	57,000	3/17/09	12000	93,000	5/15/09	14,000	110,000
			Trichloroethane[1,1,1-]	8/12/08	78000	420,000	11/21/08	76,000	420,000	3/17/09	76000	420,000	5/15/09	71,000	390,000
			Trichloroethene	8/12/08	13000	70,000	11/21/08	14,000	76,000	3/17/09	14000	75,000	5/15/09	14,000	74,000
			Trichlorofluoromethane	8/12/08	1100	6200	11/21/08	860	4800	3/17/09	1200	6600	5/15/09	1100	6400
	74	71.5–76.5	Benzene	8/12/08	ND	ND	11/21/08	330	1000	3/17/09	300	960	5/15/09	320	1000
			Carbon Tetrachloride	8/12/08	470	3000	11/21/08	440	2800	3/17/09	640	4000	5/15/09	660	4200
			Chlorobenzene	8/12/08	ND	ND	11/21/08	190	900	3/17/09	210	950	5/15/09	ND	ND
			Chloroform	8/12/08	3000	15,000	11/21/08	3100	15,000	3/17/09	3400	16,000	5/15/09	3600	18,000
			Dichlorodifluoromethane	8/12/08	ND	ND	11/21/08	220	1100	3/17/09	200	980	5/15/09	200	1000
			Dichloroethane[1,1-]	8/12/08	1700	6800	11/21/08	1900	7600	3/17/09	1900	7700	5/15/09	2300	9200
			Dichloroethane[1,2-]	8/12/08	2300	9200	11/21/08	2300	9300	3/17/09	2500	10,000	5/15/09	2700	11,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-27643	74	71.5–76.5	Dichloroethene[1,1-]	8/12/08	3700	15,000	11/21/08	19000	75,000	3/17/09	3600	14,000	5/15/09	4400	17,000
			Dichloropropane[1,2-]	8/12/08	6800	31,000	11/21/08	6800	31,000	3/17/09	7700	35,000	5/15/09	8700	40,000
			Ethanol	8/12/08	ND	ND	11/21/08	1300	2400	3/17/09	ND	ND	5/15/09	ND	ND
			Methylene Chloride	8/12/08	2100	7400	11/21/08	1900	6600	3/17/09	2000	7100	5/15/09	2500	8500
			Tetrachloroethene	8/12/08	3600	24,000	11/21/08	3400	23,000	3/17/09	4400	30,000	5/15/09	4400	30,000
			Tetrahydrofuran	8/12/08	6900	20,000	11/21/08	6400	19,000	3/17/09	6900	20,000	5/15/09	8400	25,000
			Toluene	8/12/08	820	3100	11/21/08	420	1600	3/17/09	420	1600	5/15/09	460	1700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/12/08	13000	99,000	11/21/08	8800	68,000	3/17/09	12000	94,000	5/15/09	15,000	120,000
			Trichloroethane[1,1,1-]	8/12/08	100000	570,000	11/21/08	88000	480,000	3/17/09	100000	550,000	5/15/09	100,000	570,000
			Trichloroethene	8/12/08	20000	110,000	11/21/08	20000	110,000	3/17/09	22000	120,000	5/15/09	23,000	120,000
			Trichlorofluoromethane	8/12/08	2300	13,000	11/21/08	1900	10,000	3/17/09	2100	12,000	5/15/09	2200	13,000
			Xylene[1,2-]	8/12/08	ND	ND	11/21/08	360	1500	3/17/09	370	1600	5/15/09	410	1800
	117	114.5–119.5	Benzene	8/12/08	450	1400	11/21/08	640	2000	3/17/09	500	1600	5/15/09	540	1700
			Carbon Tetrachloride	8/12/08	510	3200	11/21/08	460	2900	3/17/09	720	4500	5/15/09	690	4300
			Chlorobenzene	8/12/08	ND	ND	11/21/08	220	1000	3/17/09	250	1100	5/15/09	ND	ND
			Chloroform	8/12/08	3200	16,000	11/21/08	3600	17,000	3/17/09	3900	19,000	5/15/09	4300	21,000
			Dichlorodifluoromethane	8/12/08	ND	ND	11/21/08	320	1600	3/17/09	270	1400	5/15/09	300	1500
			Dichloroethane[1,1-]	8/12/08	1600	6600	11/21/08	1800	7200	3/17/09	1900	7700	5/15/09	2200	9100
			Dichloroethane[1,2-]	8/12/08	2400	9600	11/21/08	2800	11,000	3/17/09	3000	12,000	5/15/09	3400	14,000
			Dichloroethene[1,1-]	8/12/08	5000	20,000	11/21/08	21000	85,000	3/17/09	5400	21,000	5/15/09	6800	27,000
			Dichloropropane[1,2-]	8/12/08	5200	24,000	11/21/08	6000	28,000	3/17/09	6900	32,000	5/15/09	8200	38,000
			Ethanol	8/12/08	ND	ND	11/21/08	1700	3300	3/17/09	ND	ND	5/15/09	ND	ND
			Methylene Chloride	8/12/08	5200	18,000	11/21/08	5200	18,000	3/17/09	5700	20,000	5/15/09	6900	24,000
			Tetrachloroethene	8/12/08	2700	18,000	11/21/08	3100	21,000	3/17/09	3800	26,000	5/15/09	4100	28,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-27643	117	114.5–119.5	Tetrahydrofuran	8/12/08	650	1900	11/21/08	570	1700	3/17/09	750	2200	5/15/09	900	2600
			Toluene	8/12/08	1400	5100	11/21/08	1200	4400	3/17/09	1100	4100	5/15/09	1200	4400
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/12/08	14,000	110,000	11/21/08	10000	77,000	3/17/09	14000	110,000	5/15/09	16,000	120,000
			Trichloroethane[1,1,1-]	8/12/08	93,000	510,000	11/21/08	88000	480,000	3/17/09	100000	550,000	5/15/09	110,000	590,000
			Trichloroethene	8/12/08	22,000	120,000	11/21/08	23000	120,000	3/17/09	25000	140,000	5/15/09	28,000	150,000
			Trichlorofluoromethane	8/12/08	2600	14,000	11/21/08	2400	14,000	3/17/09	2900	16,000	5/15/09	3200	18,000
			Xylene[1,2-]	8/12/08	ND	ND	11/21/08	540	2400	3/17/09	550	2400	5/15/09	530	2300
	167	164.5–169.5	Benzene	8/12/08	580	1800	11/21/08	820	2600	3/17/09	780	2500	5/15/09	810	2600
			Carbon Tetrachloride	8/12/08	490	3100	11/21/08	500	3100	3/17/09	760	4800	5/15/09	730	4600
			Chlorobenzene	8/12/08	ND	ND	11/21/08	150	700	3/17/09	180	850	5/15/09	ND	ND
			Chloroform	8/12/08	2900	14,000	11/21/08	3800	19,000	3/17/09	4300	21,000	5/15/09	4500	22,000
			Dichlorodifluoromethane	8/12/08	ND	ND	11/21/08	460	2300	3/17/09	420	2100	5/15/09	410	2000
			Dichloroethane[1,1-]	8/12/08	1200	4800	11/21/08	1500	6000	3/17/09	1600	6600	5/15/09	1800	7300
			Dichloroethane[1,2-]	8/12/08	1800	7100	11/21/08	2100	8600	3/17/09	2500	10,000	5/15/09	2500	10,000
			Dichloroethene[1,1-]	8/12/08	6900	27,000	11/21/08	20000	81,000	3/17/09	8400	33,000	5/15/09	9700	38,000
			Dichloropropane[1,2-]	8/12/08	3200	15,000	11/21/08	4000	18,000	3/17/09	4800	22,000	5/15/09	5100	24,000
			Hexane	8/12/08	ND	ND	11/21/08	250	900	3/17/09	300	1100	5/15/09	360	1200
			Methylene Chloride	8/12/08	8600	30,000	11/21/08	10000	35,000	3/17/09	12000	42,000	5/15/09	14,000	48,000
			Tetrachloroethene	8/12/08	2100	14,000	11/21/08	2400	16,000	3/17/09	3200	21,000	5/15/09	3100	21,000
			Toluene	8/12/08	1800	7000	11/21/08	1800	6900	3/17/09	1800	6700	5/15/09	1900	7100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/12/08	16,000	120,000	11/21/08	12000	96,000	3/17/09	17000	130,000	5/15/09	20,000	150,000
			Trichloroethane[1,1,1-]	8/12/08	81,000	440,000	11/21/08	82000	450,000	3/17/09	97000	530,000	5/15/09	95,000	520,000
			Trichloroethene	8/12/08	21,000	110,000	11/21/08	24000	130,000	3/17/09	28000	150,000	5/15/09	28,000	150,000
			Trichlorofluoromethane	8/12/08	3000	17,000	11/21/08	3200	18,000	3/17/09	3800	21,000	5/15/09	3900	22,000
			Xylene[1,2-]	8/12/08	ND	ND	11/21/08	410	1800	3/17/09	480	2100	5/15/09	490	2100

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	275	272.5–277.5	Benzene	8/12/08	480	1500	11/21/08	490	1600	3/17/09	470	1500	5/15/09	470	1500
			Carbon Tetrachloride	8/12/08	520	3200	11/21/08	390	2400	3/17/09	530	3300	5/15/09	530	3300
			Chloroform	8/12/08	1800	8700	11/21/08	1700	8300	3/17/09	1900	9300	5/15/09	1900	9200
			Dichlorodifluoromethane	8/12/08	380	1900	11/21/08	490	2400	3/17/09	450	2200	5/15/09	440	2200
			Dichloroethane[1,1-]	8/12/08	520	2100	11/21/08	480	2000	3/17/09	540	2200	5/15/09	580	2400
			Dichloroethane[1,2-]	8/12/08	ND	ND	11/21/08	85	340	3/17/09	110	440	5/15/09	100	420
			Dichloroethene[1,1-]	8/12/08	9800	39,000	11/21/08	14000	58,000	3/17/09	9100	36,000	5/15/09	10,000	40,000
			Dichloropropane[1,2-]	8/12/08	440	2000	11/21/08	460	2100	3/17/09	550	2600	5/15/09	580	2700
			Hexane	8/12/08	540	1900	11/21/08	340	1200	3/17/09	400	1400	5/15/09	420	1500
			Methylene Chloride	8/12/08	6300	22,000	11/21/08	5400	19,000	3/17/09	6600	23,000	5/15/09	7200	25,000
			Tetrachloroethene	8/12/08	1300	8800	11/21/08	1100	7600	3/17/09	1400	9600	5/15/09	1300	9000
			Toluene	8/12/08	1100	4300	11/21/08	540	2000	3/17/09	600	2200	5/15/09	470	1800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/12/08	17,000	130,000	11/21/08	9900	76,000	3/17/09	14000	100,000	5/15/09	14,000	110,000
			Trichloroethane[1,1,1-]	8/12/08	45,000	250,000	11/21/08	34000	190,000	3/17/09	42000	230,000	5/15/09	40,000	220,000
			Trichloroethene	8/12/08	16,000	86,000	11/21/08	14000	77,000	3/17/09	16000	87,000	5/15/09	16,000	84,000
			Trichlorofluoromethane	8/12/08	2500	14,000	11/21/08	2200	12,000	3/17/09	2600	15,000	5/15/09	2600	14,000
	354	351.5–356.5	Benzene	8/12/08	95	300	11/21/08	95	300	3/17/09	140	450	5/15/09	95	300
			Carbon Tetrachloride	8/12/08	150	960	11/21/08	130	820	3/17/09	210	1300	5/15/09	130	830
			Chloroform	8/12/08	250	1200	11/21/08	140	700	3/17/09	220	1000	5/15/09	150	720
			Dichlorodifluoromethane	8/12/08	130	660	11/21/08	200	960	3/17/09	230	1100	5/15/09	ND	ND
			Dichloroethane[1,1-]	8/12/08	110	440	11/21/08	47	190	3/17/09	69	280	5/15/09	50	200
			Dichloroethane[1,2-]	8/12/08	74	300	11/21/08	ND	ND	3/17/09	ND	ND	5/15/09	ND	ND
			Dichloroethene[1,1-]	8/12/08	2900	12,000	11/21/08	3000	12,000	3/17/09	3800	15,000	5/15/09	2700	11,000
			Dichloropropane[1,2-]	8/12/08	200	930	11/21/08	ND	ND	3/17/09	ND	ND	5/15/09	10	46

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09			3rd Quarter FY09		
				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	Ethanol	8/12/08	ND	ND	11/21/08	ND	ND	3/17/09	ND	ND	5/15/09	100 (J)	190 (J)
			Hexane	8/12/08	170	580	11/21/08	120	440	3/17/09	200	700	5/15/09	130	470
			Methylene Chloride	8/12/08	470	1600	11/21/08	340	1200	3/17/09	550	1900	5/15/09	420	1400
			Propylene	8/12/08	ND	ND	11/21/08	41	70	3/17/09	ND	ND	5/15/09	ND	ND
			Tetrachloroethene	8/12/08	250	1700	11/21/08	180	1200	3/17/09	290	2000	5/15/09	190	1300
			Tetrahydrofuran	8/12/08	180	540	11/21/08	ND	ND	3/17/09	ND	ND	5/15/09	ND	ND
			Toluene	8/12/08	100	380	11/21/08	56	210	3/17/09	75	280	5/15/09	46	170
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/12/08	4000	30,000	11/21/08	2700	21,000	3/17/09	4300	33,000	5/15/09	3000	23,000
			Trichloroethane[1,1,1-]	8/12/08	9800	54,000	11/21/08	6300	34,000	3/17/09	8600	47,000	5/15/09	5500	30,000
			Trichloroethene	8/12/08	3100	17,000	11/21/08	2400	13,000	3/17/09	3600	20,000	5/15/09	2400	13,000
			Trichlorofluoromethane	8/12/08	580	3300	11/21/08	480	2700	3/17/09	740	4100	5/15/09	500	2800

Note: See Appendix A for data qualifier definitions.

[a] ND = Nondetect.

[b] NS = Not sampled.

[c] Open borehole.

[d] 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)	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02001	40	37.5–42.5	9/4/2008	874.478	11/24/2008	3135	3/15/2009	340.14	5/12/2009	972.073
	80	77.5–82.5	9/4/2008	419.121	11/24/2008	445.119	3/15/2009	361.117	5/12/2009	632.496
	120	117.5–122.5	9/4/2008	3353.52	11/24/2008	ND[a]	3/15/2009	ND	5/12/2009	636.843
	140	137.5–142.5	9/4/2008	ND	11/24/2008	ND	3/15/2009	960.982	5/12/2009	713.915
54-02002	20	17.5–22.5	8/11/2008	1295.07	11/26/2008	3734.24	NS[b]	NS	NS	NS
	40	37.5–42.5	NS	NS	NS	NS	3/26/2009	7665.92	5/28/2009	1310.75
	100	97.5–102.5	8/11/2008	33,598.60	11/26/2008	9630.34	3/26/2009	3309.47	5/28/2009	1986.34
	120	117.5–122.5	8/11/2008	840.167	11/26/2008	2554	3/26/2009	7912.72	NS	NS
	140	137.5–142.5	NS	NS	NS	NS	NS	NS	5/28/2009	8946.61
	180	177.5–182.5	8/11/2008	1544.3	11/26/2008	2171.01	3/26/2009	1782.55	5/28/2009	1741.88
54-02016	18	15.5–20.5	8/22/2008	10,653.30	NS	NS	NS	NS	NS	NS
	31	28.5–33.5	8/22/2008	22,681.20	11/12/2008	2597.01 (J)	3/21/2009	1265	5/14/2009	920.61
	82	79.5–84.5	NS	NS	11/12/2008	8134.94 (J)	3/21/2009	424.436	5/15/2009	ND
54-02021	20	10–30	9/12/2008	ND	11/19/2008	1102.8	3/14/2009	2385.25	5/12/2009	3185.3
	100	90–110	9/12/2008	442.583	11/19/2008	3610.15	3/14/2009	547.522	5/12/2009	ND
	120	110–130	9/12/2008	2918.49	11/19/2008	485.826	3/14/2009	ND	NS	NS
	140	130–150	9/12/2008	525.359	11/19/2008	919.764	3/14/2009	ND	5/12/2009	1119.82
	160	150–170	NS	NS	NS	NS	NS	NS	5/12/2009	ND
54-02022	40	37.5–42.5	9/9/2008	ND	11/21/2008	413.282	3/13/2009	ND	5/11/2009	2103.29
	80	77.5–82.5	9/9/2008	ND	11/21/2008	881.236	3/13/2009	615.866	5/11/2009	15,257.50
	120	117.5–122.5	9/9/2008	ND	11/21/2008	ND	3/13/2009	ND	5/11/2009	876.43
	140	137.5–142.5	9/9/2008	ND	11/21/2008	590.816	3/13/2009	ND	5/11/2009	409.275

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02023	40	30–50	8/15/08	615.961	12/9/08	1473.47	4/2/09	ND	6/2/09	ND
	100	90–110	8/15/08	296.47	12/9/08	371.033	4/2/09	ND	6/2/09	ND
	120	110–130	8/15/08	ND	12/9/08	352.348	4/2/09	ND	6/2/09	308.807
	159	149–169	8/15/08	329.285	12/9/08	567.479	4/2/09	ND	6/2/09	ND
54-02024	40	30–50	8/6/08	2432.59	12/1/08	ND	3/30/09	ND	5/29/09	ND
	100	90–110	8/6/08	684.114	12/1/08	ND	3/29/09	438.965	5/29/09	ND
	120	110–130	NS	NS	12/1/08	245.102	NS	NS	NS	NS
	140	130–150	8/6/08	635.2	NS	NS	3/29/09	493.193	5/29/09	1941.00
	160	150–170	8/6/08	340.413	12/1/08	ND	3/29/09	443.535	5/29/09	ND
54-02025	20	20	8/13/08	ND	12/3/08	645.968	3/28/09	ND	5/28/09	ND
	100	100	8/13/08	ND	12/3/08	403.428	3/28/09	ND	5/28/09	ND
	160	160	8/13/08	ND	12/3/08	962.586	3/28/09	ND	5/29/09	ND
54-02026	20	20	8/7/08	440.833	12/5/08	ND	4/1/09	ND	6/1/09	ND
	100	100	8/7/08	ND	12/5/08	ND	4/1/09	ND	6/1/09	ND
	160	160	8/7/08	294.398	12/5/08	ND	4/1/09	ND	6/1/09	641.36
54-02027	20	20	8/14/08	ND	12/4/08	318.914	3/30/09	390.011	5/29/09	ND
	100	100	8/14/08	ND	12/4/08	ND	3/30/09	909.1	5/29/09	ND
	200	200	8/14/08	ND	12/4/08	546.396	3/30/09	ND	5/29/09	ND
54-02028	20	20	8/19/08	ND	12/8/08	315.884	3/31/09	ND	6/1/09	ND
	100	100	8/19/08	ND	12/8/08	260.465	3/31/09	ND	6/1/09	35760.69
	160	160	8/19/08	ND	12/8/08	448.792	3/31/09	ND	6/1/09	ND
54-02031	20	20	9/12/08	ND	11/18/08	ND	3/16/09	21,595.50	5/13/09	ND
	100	100	9/12/08	ND	11/18/08	ND	3/16/09	ND	5/13/09	ND
	160	160	9/12/08	ND	11/18/08	ND	3/16/09	ND	5/13/09	ND
	260	260	9/12/08	ND	11/18/08	ND	3/16/09	ND	5/13/09	ND

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02034	20	20	9/11/08	ND	11/20/08	316.568	3/12/09	ND	5/5/09	29,077.60
	60	60	9/11/08	ND	11/20/08	274.608	3/12/09	2508.63	5/5/09	831.685
	160	160	9/11/08	ND	11/20/08	ND	3/12/09	2823.14	5/5/09	8207.77
	260	260	9/11/08	ND	11/20/08	565.079	3/12/09	21,725.90	5/5/09	119,069.00
	300	300	9/11/08	ND	11/20/08	641.271	3/12/09	27,303.00	5/5/09	2621.76
54-02089	31	31	8/25/08	3503.9	11/13/08	6898.95 (J)	3/23/09	8209.44	5/15/09	16,640.10
	46	46	8/25/08	2040.99	11/13/08	20797.41	3/23/09	8172.25	5/15/09	4875.88
54-24238	64	63–65	8/25/08	5374.09	11/12/08	3082.31 (J)	3/22/09	ND	5/18/09	3103.87
54-24239	25	24–26	8/27/08	ND	11/17/08	429.258	4/2/09	ND	5/13/09	ND
	75	74–76	8/27/08	ND	11/17/08	ND	4/2/09	ND	5/13/09	ND
54-24240	28	27–29	8/29/08	705.201	11/7/08	355.975	3/17/09	679.034	5/21/09	ND
	53	52–54	8/29/08	ND	11/7/08	502.451	3/17/09	388.352	5/21/09	ND
	128	127–129	8/29/08	ND	11/7/08	1218.78	3/17/09	2104.96	5/21/09	ND
	153	152–154	8/29/08	ND	11/7/08	3608.16	3/17/09	ND	5/21/09	ND
54-24241	73	71–74	9/17/08	48,774.80	11/13/08	5150.43	3/19/09	3491.54	5/19/09	2773.52
	113	112–114	9/17/08	38,580.80	11/13/08	5314.76	3/19/09	ND	5/21/09	ND
	133	132–134	9/17/08	115,841.00	11/13/08	1135.19	3/19/09	ND	5/19/09	778.211
54-24242	25	24–26	8/27/08	ND	11/14/08	326.824	3/24/09	575.769	5/21/09	ND
	50	49–51	8/27/08	378.284	11/14/08	987.541	3/24/09	1994.2	5/21/09	ND
54-24243	25	24–26	8/8/08	5342.5	11/25/08	4721.29	3/25/09	4292.27	5/27/09	4765.12
	75	74–76	8/8/08	799,120.00	11/25/08	309,602.00	3/25/09	385,591.00	5/27/09	396,776.00
	125	124–126	8/8/08	68,127.40	11/25/08	20,756.90	3/25/09	ND	5/27/09	33,000.10
54-24399	550	550–608	9/3/08	ND	12/2/08	ND	3/23/09	ND	5/12/09	ND

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09		3rd Quarter FY09	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-27641	32	29.5–34.5	8/28/08	1258.43	11/10/08	488.512	3/18/09	ND	5/18/09	541.034
	82	79.5–84.5	8/28/08	404.116	11/10/08	225.481	3/18/09	1325.7	5/19/09	10,099.70
	115	112.5–117.5	8/28/08	3198.67	11/10/08	ND	3/18/09	ND	5/18/09	ND
	182	179.5–184.5	8/28/08	840.884	11/10/08	233.04	3/18/09	350.804	5/18/09	ND
	271	268.5–273.5	8/28/08	942.045	11/10/08	396.355	3/18/09	516.723	5/20/09	ND
	332.5	330–335	8/28/08	ND	11/10/08	825.541	3/18/09	ND	5/20/09	566.865
54-27642	30	27.5–32.5	8/22/08	1782.46	11/10/08	6116.63 (J)	3/20/09	2163.08	5/14/09	ND
	75	71.5–76.5	8/22/08	ND	11/10/08	10895.1 (J)	3/20/09	10,604.50	5/14/09	ND
	116	114.5–119.5	8/22/08	753.021	11/10/08	39,636.00	3/20/09	6610.83	5/14/09	ND
	175	172.5–177.5	8/22/08	2304.18	11/10/08	5143.36 (J)	3/20/09	1888.69	5/14/09	ND
	275	272.5–277.5	8/22/08	457.446	11/10/08	5286.46 (J)	3/20/09	1303.7	5/14/09	ND
	338	335.5–340.5	8/22/08	842.091	11/10/08	3606.74 (J)	3/20/09	447.234	5/14/09	ND
54-27643	30	27.5–32.5	8/12/08	ND	12/2/08	970.19	3/28/09	840.715	5/28/09	1031.31
	74	71.5–76.5	8/12/08	511.347	12/2/08	780.489	3/28/09	708.616	5/28/09	471.435
	117	114.5–119.5	8/12/08	889.779	12/2/08	683.488	3/28/09	825.77	5/28/09	3957.82
	167	164.5–169.5	8/12/08	ND	12/2/08	1272.33	3/28/09	ND	5/28/09	376.124
	275	272.5–277.5	8/12/08	ND	12/2/08	1336.17	3/28/09	1964.69	5/28/09	355.292
	354	351.5–356.5	8/12/08	ND	12/2/08	642.334	3/28/09	2582.05	5/28/09	1947.99

[a] ND = Nondetect.

[b] NS = Not sampled.

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

VOCs	Maximum Pore-Gas Concentration (µg/m³)	Groundwater SL (µg/L)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m³)	SV (unitless)
Acetone	74	22,000[a]	35,200	0.0021
Benzene	4200	5[b]	1140	3.6
Butanone[2-]	28	7100[a]	16,330	0.0017
Carbon Tetrachloride	25,000	5[b]	5500	4.5
Chlorobenzene	1600	100[b]	13,000	0.12
Chloroform	55,000	100[c]	15,000	3.6
Dichlorodifluoromethane	14,000	390[a]	5,460,000	0.0025
Dichloroethane[1,1-]	79,000	25[c]	5750	13
Dichloroethane[1,2-]	610,000	5[b]	240	2500
Dichloroethene[1,1-]	74,000	5[c]	5500	13
Dichloropropane[1,2-]	390,000	5[b]	600	650
Ethanol	6400	na[d]	na	na
Hexane	2800	880[a]	65,120,000	0.000042
Methylene Chloride	430,000	5[b]	650	660
Tetrachloroethene	460,000	5[b]	3600	120
Tetrahydrofuran	34,000	na	na	na
Toluene	20,000	750[c]	204,000	0.098
Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,500,000	59,000[a]	1,298,000,000	0.0011
Trichloroethane[1,1,1-]	3,100,000	60[c]	42,300	73
Trichloroethene	860,000	5[b]	2000	430
Trichlorofluoromethane	33,000	1300[a]	5,200,000	0.0063
Xylene[1,2-]	3300	1400[a]	298,200	0.011
Xylene[1,3-]+Xylene[1,4-]	2200	10,000[b,e]	2,700,000	0.00081

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

[a] EPA regional screening level table from http://www.epa.gov/region06/6pd/rcra_c/pd-n/screen.htm.

[b] EPA MCL (40 Code of Federal Regulations 141.61).

[c] NMWQCC groundwater standard (20.6.2.3103 New Mexico Administrative Code).

[d] na = Not available.

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

Table 5.2-2
Screening of VOCs Detected 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)	Groundwater SL (µg/L)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m³)	SV (unitless)
Acetone	550	550–608	74	22,000[a]	35,200	0.0021
Butanone[2-]			28	7100[a]	16,330	0.0017
Carbon Tetrachloride			32	5[b]	5500	0.0058
Chloroform			69	100[c]	15,000	0.0046
Dichlorodifluoromethane			18	390[a]	5,460,000	0.0000033
Dichloroethane[1,1-]			98	25[c]	5750	0.017
Dichloroethane[1,2-]			33	5[b]	240	0.14
Dichloroethene[1,1-]			250	5[c]	5500	0.045
Dichloropropane[1,2-]			34	5[b]	600	0.057
Methylene Chloride			13	5[b]	650	0.02
Tetrachloroethene			460	5[b]	3600	0.13
Trichloro-1,2,2-trifluoroethane[1,1,2-]			500	59,000[a]	1,298,000,000	0.00000039
Trichloroethane[1,1,1-]			2700	60[c]	42,300	0.064
Trichloroethene			800	5[b]	2000	0.4
Trichlorofluoromethane			38	1300[a]	5,200,000	0.0000073

[a] EPA regional screening level table from http://www.epa.gov/region06/6pd/rcra_c/pd-n/screen.htm.

[b] EPA MCL (40 Code of Federal Regulations 141.61).

[c] NMWQCC groundwater standard (20.6.2.3103 New Mexico Administrative Code).

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.)
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
NOD	notice of disapproval
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NOD	notice of disapproval
PCE	tetrachloroethene
PID	photoionization detector
QA	quality assurance
QC	quality control
RPD	relative percent difference
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 an analytical system has produced data of known quality. Documentation depends on the accessibility of review items that accurately and completely describe the work performed. In the absence of adequate sample documentation, data quality cannot be independently verified.

B-1.3 Sample Preservation

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

B-1.4 Holding Time

Holding time, the maximum amount of time a sample can be stored without 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

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

For radionuclides, the duplicate error ratio (DER) 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, 9 field blank samples, 9 field duplicate samples, and 1 VOC performance evaluation sample were collected at Solid Waste Management Unit 54-006, also known as Material Disposal Area (MDA) L. Additionally, 83 tritium samples, 9 field blank samples, and 9 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

Nineteen VOC results were qualified as rejected (R) because the Laboratory project chemist identified quality deficiencies in the reported data. The rejected results correspond to cyclohexane results for the following borehole locations and depths: 54-02016 at 31 and 82 ft bgs; 54-02022 at 40, 80, 120, and 140 ft bgs; 54-02031 at 160 ft bgs; 54-02034 at 20, 60, 160, and 260 ft bgs; 54-24238 at 64 ft bgs; 54-24399 at 550 to 608 ft bgs; and 54-27641 at 32, 82, 115, 182, 271, and 332.5 ft bgs. All other VOC data are of good quality and are usable.

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 80 VOC results. Affected results were qualified as estimated not detected (UJ).

Initial or continuing calibration differences (percent difference) were recovered outside the method-specific limits affecting EPA Method TO-15 analyses of 156 VOC results. All but four affected results were qualified as estimated not detected (UJ). Four results were detected and qualified as estimated (J). The J-qualified results were for ethanol at borehole location 54-27643 at 354 ft bgs and borehole location 54-02002 at 40, 100, and 180 ft bgs.

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

Analyte identification criteria were not met for 17 VOC results. Affected results were qualified as not detected (U) because the mass spectrum did not meet specifications.

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 LCS Recoveries

The LCS recoveries were less than the lower allowable limit but greater than 10% of the lower allowable limit for 12 VOC results. Affected results were qualified as estimated not detected (UJ). The LCS percent recovery was greater than the upper allowable limits for three VOC results. Affected results were qualified as estimated biased high (J+).

B-3.11 Laboratory and Field Duplicates

Laboratory and field duplicates collected indicate acceptable precision. All field duplicate RPDs were less than 35%.

B-3.12 Field Blanks

Field blank results were acceptable for all VOC results.

B-4.0 RADIONUCLIDE ANALYSES

No tritium data were rejected.

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 bias results from the properties of the 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 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-4.7 Analyte Quantitation

Fifteen tritium samples 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 result from borehole location 54-02016, two sample results from borehole location 54-02021, two results from borehole location 54-02023, three results from borehole location 54-02031, two results from borehole location 54-24239, one result from borehole location 54-24240, one result from borehole location 54-24399, and three results from borehole location 54-27641.

B-4.8 Method Blanks

Three tritium results for samples collected at borehole location 54-24240, one tritium result for samples collected at borehole location 54-24241, two tritium results for samples collected at borehole location 54-24242, and eight tritium results for samples collected at borehole location 54-27642 were ≤5 times the concentration of tritium in the method blank and were qualified as not detected (U).

B-4.9 LCS Recoveries

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

B-4.10 Laboratory and Field Duplicates

Two detected tritium results and the associated field duplicate results had a DER greater than 3. The sample records potentially affected by a larger-than-expected field duplicate DER is listed in Table B-4.10-1. Sampling results are not qualified based on field duplicate precision.

B-4.11 Field Blanks

One field blank collected on May 13, 2009, at borehole location 54-24239 contained detectable levels of tritium. However, no tritium was detected in the two samples collected from this borehole location so the results were qualified as not detected (U).

One field blank collected on June 2, 2009, at borehole location 54-02023 contained detectable levels of tritium. In three of the four samples collected from this borehole location no tritium was detected. These three results were qualified as not detected (U).

B-5.0 FIELD-MONITORING SUMMARY

B-5.1 VOCs

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 mixed 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, which is included in the acoustic signal interpreted as PCE that may bias the PCE readings high using the B&K. Table B-5.0-1 presents VOCs that interfere with each of the four B&K target analytes.

Data generated using the B&K Type 1302 are supported by 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 March 12, 2009, the B&K with serial number 1732805 was calibrated before the third 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 10.57 ppm, TCE at 8.5 ppm, Freon-11 at 30.5 ppm, PCE at 19.3 ppm, and CO_2 at 990 ppm were used to generate calibration response curves.
- After the third quarter monitoring event, the B&K with serial number 1732805 was calibrated on June 15, 2009.

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 1039 was calibrated on April 15, 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 525 cc/min.

- Unit 484 was calibrated on May 8, 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-4.10-1
Sample Record with Field Duplicate DER Above 3

Borehole ID	Depth (ft)	Analyte	FD Uncertainty (pCi/L)	FD Result (pCi/L)	Std Uncertainty (pCi/L)	Sample Result (pCi/L)	DER
54-02089	31	Tritium	144.936	890.029	916.757	16640.1	8.48
54-24241	73	Tritium	477.833	8345.13	188.458	2773.52	5.42

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

Target	Potential Interfering Analyte
PCE	Styrene
PCE	Freon-113
PCE	Freon-12
PCE	DCE
PCE	Ethylene oxide
PCE	Ethanol
PCE	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-5.0-1 (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)