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Periodic Monitoring Report for Vapor-Sampling Activities at Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54, Third Quarter Fiscal Year 2010

Prepared by the Environmental Programs Directorate

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EXECUTIVE SUMMARY

This periodic monitoring report summarizes vapor-monitoring activities conducted during the third quarter of fiscal year (FY) 2010 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 FY2010 included field screening of 187 of 187 ports in 27 pore-gas monitoring boreholes and 1 open borehole. Samples were collected for VOC and tritium analyses from 86 ports in 24 pore-gas monitoring boreholes and the open borehole.

The sampling results for the third quarter FY2010 pore-gas monitoring are generally consistent with results from the last three quarters of sampling. Analytical results continue to confirm the presence of two VOC source areas and the presence of tritium at MDA L. VOC concentrations in the western source area generally increased from the surface to depths between 53 and 160 ft below ground surface (bgs), and then decreased to the total depths of the boreholes. VOC concentrations in the eastern source area primarily increased from the surface to depths between 75 and 160 ft bgs. Boreholes that extend deeper in the eastern source area had VOC concentrations that decreased with depth after 167 ft bgs. Tritium activities varied with depth and location. Analytical vapor-monitoring results from the deepest interval sampled at borehole 54-24399 indicate that there is no immediate threat to groundwater from the VOC or tritium source areas.

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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) 2010 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 (NMED 2007, 098999).

MDA L is located in the east-central portion of the Laboratory (Figure 1.0-1) on Mesita del Buey. It consists of 1 inactive subsurface disposal pit (Pit A), 3 inactive subsurface treatment and disposal impoundments (Impoundments B, C, and D), and 34 inactive disposal shafts (Shafts 1 to 34). Although no longer in use, Impoundments B and D and Shafts 1, 13−17, and 19−34 are considered regulated units under the Resource Conservation and Recovery Act (RCRA). MDA L is relatively flat, and most of the overlying surface is paved with asphalt to house ongoing waste management activities, including storage of chemical, hazardous, and mixed low-level wastes managed within container storage units. The regional aquifer beneath MDA L is estimated to be an average depth of approximately 950 ft below ground surface (bgs), based on water-level data from regional well R-38, which is located northeast of MDA L (Koch and Schmeer 2010, 108926).

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 that are bounded by Pajarito Canyon to the south and Cañada del Buey to the north.

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

A total of 1 pit, 3 impoundments, and 34 shafts were excavated into the overlying soil and Unit 2 (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 at the top of the shaft. 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, 54-24399 (NMED 2007, 098999). 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 NMED stipulating, among other requirements, characterization of pore gas at MDAs G and L. The Laboratory installed seven vapor-monitoring wells to characterize pore gas.
- From 1986 to 1990, the Laboratory voluntarily installed 22 additional vapor-monitoring wells to characterize the VOC plumes at MDAs G and L.
- In 1990, the U.S. Environmental Protection Agency (EPA) issued Module VIII of the Laboratory's Hazardous Waste Facility Permit. Module VIII included requirements for quarterly pore-gas sampling at MDAs G and L as input into the RCRA facility investigation.
- The 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 was 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, requiring 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 measures evaluation report (LANL 2008, 101718).
- In May 2008, in response to NMED comments on the MDA L subsurface vapor-monitoring plan (McInroy 2008, 104475), the Laboratory submitted a revised table of pore-gas monitoring locations to NMED. Samples for VOCs and tritium are to be collected in each geologic unit.

Where two or more ports are constructed in the same geologic unit, the port closest to the base of the disposal pits is to be sampled. Approved pore-gas monitoring locations, port depths, and corresponding sampling intervals are presented in Table 1.0-1.

- On September 16, 2009, NMED sent a letter to the Laboratory allowing the abandonment of collapsed borehole 54-24244 and the drilling of a new borehole, 54-610786, approximately 17 ft to the south and to the same depth as 54-24244.
- Borehole 54-610786 was drilled and completed as a vapor-monitoring well during December 2009. Three new pore-gas monitoring ports in borehole 54-610786 replace the three previously approved pore-gas monitoring ports in borehole 54-24244 (Table 1.0-1). Borehole 54-24244 was plugged and abandoned during January 2010.

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 contaminants in the subsurface at MDA L. The contaminants 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 source areas of the subsurface vapor-phase VOC plume: the eastern source area (Shafts 1 to 28) and the western source area (Shafts 29 to 34). Sample results from both source areas show the presence of TCA. Vertically, the plume extends between the ground surface and the top of the basalt (approximately 320 ft bgs). The plume has not changed significantly since 1999 in size, contaminant concentration, or composition (LANL 2008, 101718).

2.0 SCOPE OF ACTIVITIES

Vapor-sampling activities were implemented in accordance with the vapor-monitoring plan (LANL 2007, 099372) approved with modifications by NMED (2007, 098999) and with the revised table of monitoring boreholes submitted to NMED in May 2008 (McInroy 2008, 104475), along with the approved new monitoring borehole 54-610786 (NMED 2009, 107653). VOC and tritium samples were collected from each stratigraphic unit. Where two or more vapor-sampling ports are constructed in the same stratigraphic unit, the port closest to the base of the disposal units was sampled.

Third quarter FY2010 vapor-monitoring activities were conducted from April 1 to June 9, 2010. Vapor-monitoring boreholes, port depths, and corresponding sampling intervals that were field screened and sampled are presented in Table 2.0-1. The following activities were conducted:

- Each sampling interval was purged to ensure that formation air was being sampled in accordance with Standard Operating Procedure 5074. Sampling intervals are shown in Table 2.0-1.
- Pore gas from each accessible sampling 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 (in kilopascals [kPa]) was also measured at each accessible instrumented interval using a manometer.
- Vapor samples were collected from selected depth intervals in SUMMA canisters for laboratory analyses of VOCs using EPA Method TO-15. Sampled depth intervals are presented in Table 2.0-1 in bold.

- Tritium samples were collected in silica gel columns from selected depth intervals for laboratory analysis using EPA Method 906.0. Sampled depth intervals are presented in Table 2.0-1 in bold.
- A total of 187 ports in 27 boreholes and 1 open borehole (location 54-24399 at the depth interval of 550 to 608 ft bgs) was field screened for VOCs using the LANDTEC and B&K analyzer.
- A total of 85 VOC samples was collected in SUMMA canisters from 85 ports in 24 boreholes; 1 VOC sample was collected from the 550- to 608-ft bgs sampling interval in borehole 54-24399.
- A total of 85 tritium samples was collected from 85 ports in 24 boreholes; 1 tritium sample was collected from the 550- to 608-ft bgs sampling interval in borehole 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 FY2010 sampling activities.

- Tritium and VOC samples could not be collected from the 180-ft port at borehole 54-02002 because this port was blocked. A tritium sample and a VOC sample were collected from the next available port below, at a depth of 200 ft, in addition to the samples collected from the other three NMED-required depths (40 ft, 100 ft, and 120 ft) at this borehole.
- Tritium and VOC samples could not be collected from the 120-ft port at borehole 54-02023 because this port was 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 ft, 100 ft, and 159 ft) at this borehole.
- Tritium and VOC samples were not collected from the 120-ft port depth at borehole 54-02024 because this port was blocked. A tritium sample and VOC sample were collected from the next available port below, at a depth of 140 ft, in addition to the samples collected from the other three NMED-required depths (40 ft, 100 ft, and 160 ft) at this borehole.
- Three ports listed for screening within Table 1.0-1 were screened with the LANDTEC and B&K analyzer, but no B&K results were recorded because of inadequate airflow. These blocked ports include borehole 54-02002 at 80 ft bgs, borehole 54-02016 at 18 ft bgs, and borehole 54-02023 at 180 ft bgs. These blocked ports cannot be cleared.

3.0 REGULATORY CRITERIA

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

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

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

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

H' = the 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 the 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/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/pdf/restap_sl_table_run_MAY2010.pdf). The preceding link contains the most current law constants. 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} = the concentration of a particular VOC in the pore-gas sample (µg/m^3),

H' = the dimensionless Henry's law constant,

SL = the screening level (µg/L), and

1000 = 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 NMED tap water SL is used. If there is no NMED SL, the EPA regional tap water SL (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/pdf/restap_sl_table_run_MAY2010.pdf) 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 1.0, the concentration of the VOC in pore gas does not exceed the SL, even if the VOC plume were in direct contact with groundwater. Table 3.0-1 presents the calculated concentrations of contaminants in pore gas corresponding to groundwater SLs. Table 3.0-2 shows the SVs calculated for the maximum detected VOCs during the third quarter of FY2010. Table 3.0-3 shows the SVs calculated for the 13 VOCs detected in the deepest borehole location sampled during the third quarter of FY2010, borehole location 54-24399. Table 3.0-4 shows the SVs calculated for the maximum detected VOCs during the third quarter of FY2010 and the previous three sampling events.

4.0 FIELD-SCREENING RESULTS

Third quarter FY2010 vapor-monitoring field-screening activities were conducted at MDA L from April 1, 2010 to May 5, 2010. Vapor-monitoring boreholes, 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, percent carbon dioxide (%CO_2), and percent oxygen (%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 gas detector to measure %CO_2 and %O_2. Each interval was monitored with the LANDTEC until CO_2 and O_2 readings stabilized. The stabilized %CO_2 and %O_2 values measured at each port depth in each borehole for the third quarter of FY2010 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 analyzer is calibrated for analysis of four VOCs: Freon-11 (trichlorofluoromethane), PCE, TCA, and TCE. It also measures CO_2 and water vapor. The stabilized B&K field-monitoring values for the third quarter of FY2010 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.

5.0 ANALYTICAL DATA RESULTS

Third quarter FY2010 vapor-sampling activities were conducted at MDA L from April 1, 2010 to June 9, 2010. Borehole sampling locations and port depths are provided in Table 2.0-1 and are highlighted in bold. 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 FY2010 and the three previous quarters. Detected VOC concentrations for third quarter FY2010 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 and Appendix C present the detected activity levels of tritium in MDA L vapor samples during the third quarter of FY2010 and the three previous quarters. Detected tritium activity levels for third quarter FY2010 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 of FY2010 and the three previous quarters are included in Appendix C (on CD included with this document).

5.1 Data Summary

During the third quarter of FY2010, 23 VOC analytes were detected in the 86 vapor samples collected from MDA L. Overall, VOC analyte concentrations for the third quarter of FY2010 are similar to those in the previous three sampling quarters. TCA, PCE, Freon-11, and 1,1-dichloroethene were detected in all 86 pore-gas samples. TCA was detected at the highest concentration of all VOCs, with a maximum concentration of 2,500,000 µg/m^3 (460,000 ppbv) at the 31-ft port depth in borehole 54-02089 (Table 5.0-1). Also detected in at least 90 percent of third quarter FY2010 samples were chloroform; 1,1-dichloroethane; 1,2-dichloropropane; 1,1,2-trichloro-1,2,2-trifluoroethane; and TCE (Table 5.0-1).

Maximum VOC concentrations detected in laboratory-analyzed samples from the seven western boreholes (54-02001, 54-02021, 54-02022, 54-02031, 54-02034, 54-24240, and 54-27641) were found at depths ranging from 53 to 160 ft bgs. Within these boreholes, TCA; TCE; PCE; Freon-11;

dichlorodifluoromethane; 1,1-dichloroethane; 1,1-dichloroethene; and 1,1,2-trichloro-1,2,2-trifluoroethane were the most common VOCs detected. Detected VOC concentrations were similar to those in the previous three sampling events.

Three eastern boreholes (54-02016, 54-02089, and 54-24238) and three boreholes 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. These boreholes were each sampled at two depths, except borehole 54-24399 and borehole 54-24238, where only one depth was required to be sampled. Most VOC concentrations from the middle borehole, 54-24241, decreased with depth.

The three VOC analytes detected at the highest concentrations (84,000 µg/m^3 to 340,000 µg/m^3, 16,000 ppbv to 63,000 ppbv) in the six easternmost boreholes (borehole locations 54-02023, 54-02024, 54-02025, 54-02026, 54-02027, and 54-02028) were TCA; 1,1,2-trichloro-1,2,2-trifluoroethane; and TCE. VOC concentrations at these boreholes in the third quarter of FY2010 were similar to the concentrations in the previous three sampling events.

Maximum VOC concentrations in eastern borehole 54-610786 were found primarily in the deepest sample port at the 118.5-ft depth. The maximum concentrations of VOCs in this borehole at the 118.5-ft depth were TCA and TCE at 600,000 µg/m^3 (110,000 ppbv) and 130,000 µg/m^3 (24,000 ppbv), respectively. At the 25-ft port depth, 1,1,2-trichloro-1,2,2-trifluoroethane was detected at 210,000 µg/m^3 (28,000 ppbv). Maximum VOC concentrations in the remaining eastern boreholes (54-02002, 54-24243, 54-27642, and 54-27643) were found at depths ranging from 75 to 167 ft bgs.

Tritium results were generally consistent with results from the previous three quarters, with a few exceptions. During the third quarter of FY2010, tritium was detected in 44 of the 86 samples analyzed at activity levels ranging from 0.297943 to 478,829 pCi/L. The maximum tritium activity level (478,829 pCi/L) detected was collected from the 75-ft port depth in borehole 54-24243. This activity level is 20 times higher than the activity detected in this port in the second quarter of FY2010. The second highest tritium activity was from borehole 54-02016 at a depth of 82 ft bgs with an activity level of 60,237.2 pCi/L. This activity level is 44 times higher than the activity detected in this port in the second quarter of FY2010.

Low concentrations (<2500 pCi/L) of tritium were detected in the third quarter of FY2010 in samples from locations where tritium had not been detected in the previous quarter, including borehole 54-02021 at the 20-ft and 120-ft depths; borehole 54-02023 at the 140-ft depth; borehole 54-02031 at the 20-ft, 100-ft, and 260-ft depths; and borehole 54-24241 at the 73-ft and 133-ft depths.

5.2 Data Evaluation

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 FY2010. The screening evaluated 23 detected VOCs for which there are MCLs, NMWQCC standards, or NMED or EPA regional tap water SLs. Table 3.0-2 shows the SVs calculated for the relevant VOCs for the third quarter of FY2010. Eleven VOCs had SVs greater than 1.0: benzene; carbon tetrachloride; chloroform; 1,1-dichloroethane; 1,2-dichloroethane; 1,1-dichloroethene; 1,2-dichloropropane; methylene chloride; PCE; TCA; and TCE.

Because some SVs exceeded 1.0, further screening was performed in the deepest pore-gas monitoring location in open borehole 54-24399. This borehole has a sampling interval at 550 to 608 ft bgs within the Otowi Member; therefore, the sample collected from this borehole is closest to the regional aquifer. A screening evaluation was performed for 13 VOCs detected at this location that have MCLs, NMWQCC standards, or NMED or EPA regional tap water SLs. Screening of these 13 VOCs resulted in SVs below

1.0 (Table 3.0-3). Based on this evaluation, the current VOC concentrations detected in pore gas beneath MDA L do not pose an immediate potential source of groundwater contamination.

Table 3.0-4 shows the SVs calculated for the maximum concentrations of VOCs detected in the third quarter of FY2010 and the previous three sampling events.

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 FY2010 monitoring event are summarized as follows.

- In the third quarter of FY2010, 23 VOC analytes were detected in the 86 pore-gas samples collected at MDA L.
- VOC concentrations are consistent with concentrations reported during the previous three quarters of sampling.
- VOC concentrations generally increased with depth in eight eastern boreholes. In these eight boreholes, maximum concentrations were detected between 75 and 160 ft bgs. In the two eastern boreholes (54-27642 and 54-27643) that were drilled into deeper formations, VOC concentrations generally increased to maximum concentrations in the interval between 75 and 167 ft bgs, then decreased with depth. VOC concentrations in borehole 54-24241 in the center of MDA L generally decreased with depth. Maximum VOC concentrations in the seven western boreholes were generally at depths of 53 to 160 ft bgs.
- VOC concentrations measured at the deepest depth interval (505 to 608 ft bgs) in borehole 54-24399, drilled into the Cerros del Rio basalt, were below an SV of 1.0. This indicates that VOCs in the pore gas do not pose an immediate potential source of groundwater contamination because the equilibrium groundwater concentrations do not exceed groundwater standards.
- Tritium was detected in 44 of the 86 samples analyzed during the third quarter of FY2010.
- Tritium activities ranged from nondetect to 478,829 pCi/L and varied with depth and location. Tritium activities were generally consistent with activity levels reported during the previous three quarters of sampling, but were detected at low levels at several ports where they had not been detected in the previous quarter.

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.

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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)

NMED (New Mexico Environment Department), September 16, 2009. "Notice of Approval for the Vapor-Monitoring Well Installation Work Plan for Material Disposal Area H, Solid Waste Management Unit 54-004, 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 2009, 107653)

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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)

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.

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

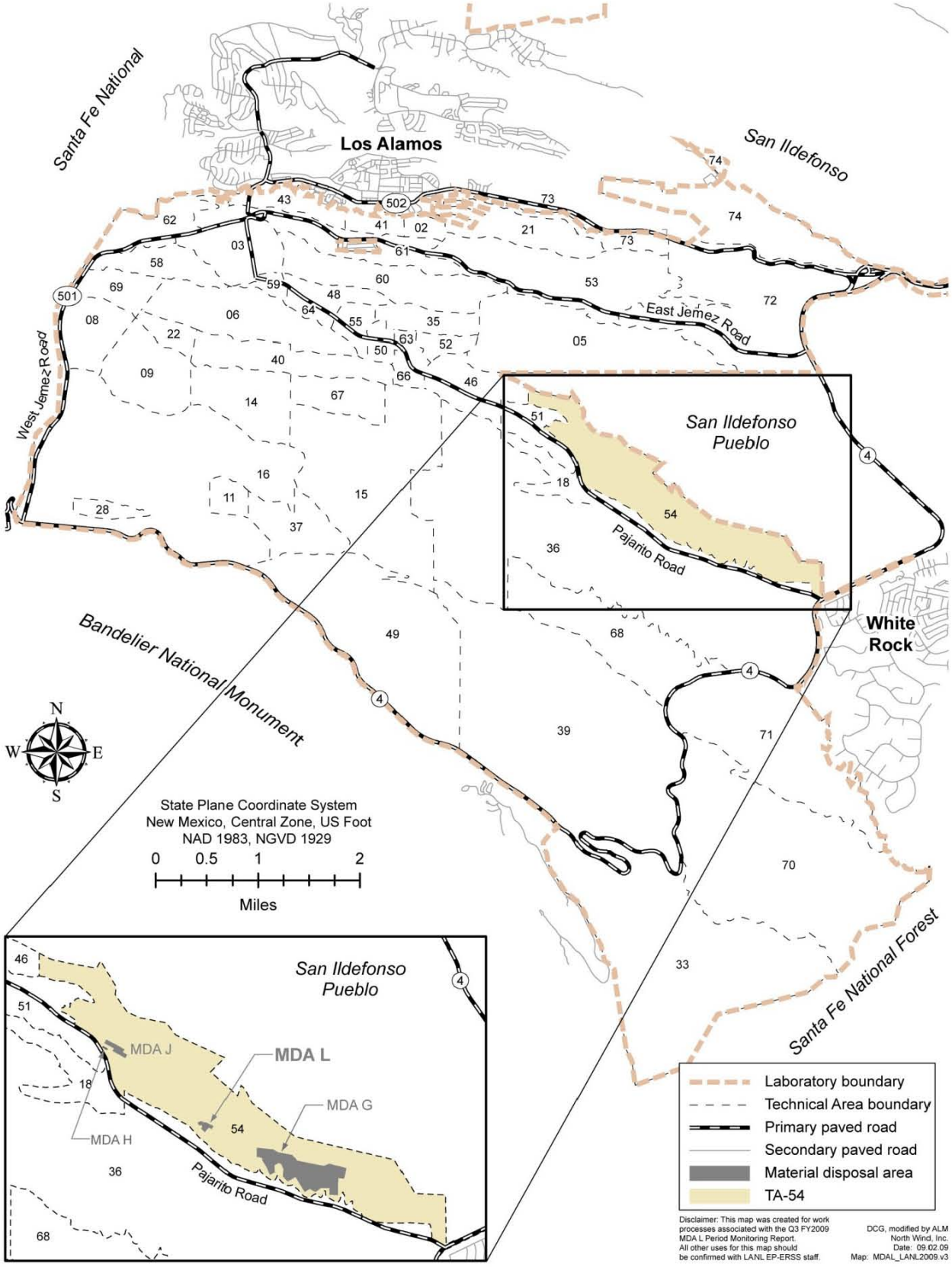

Figure 1.0-1 MDA L in TA-54 with respect to Laboratory TAs and surrounding land holdings

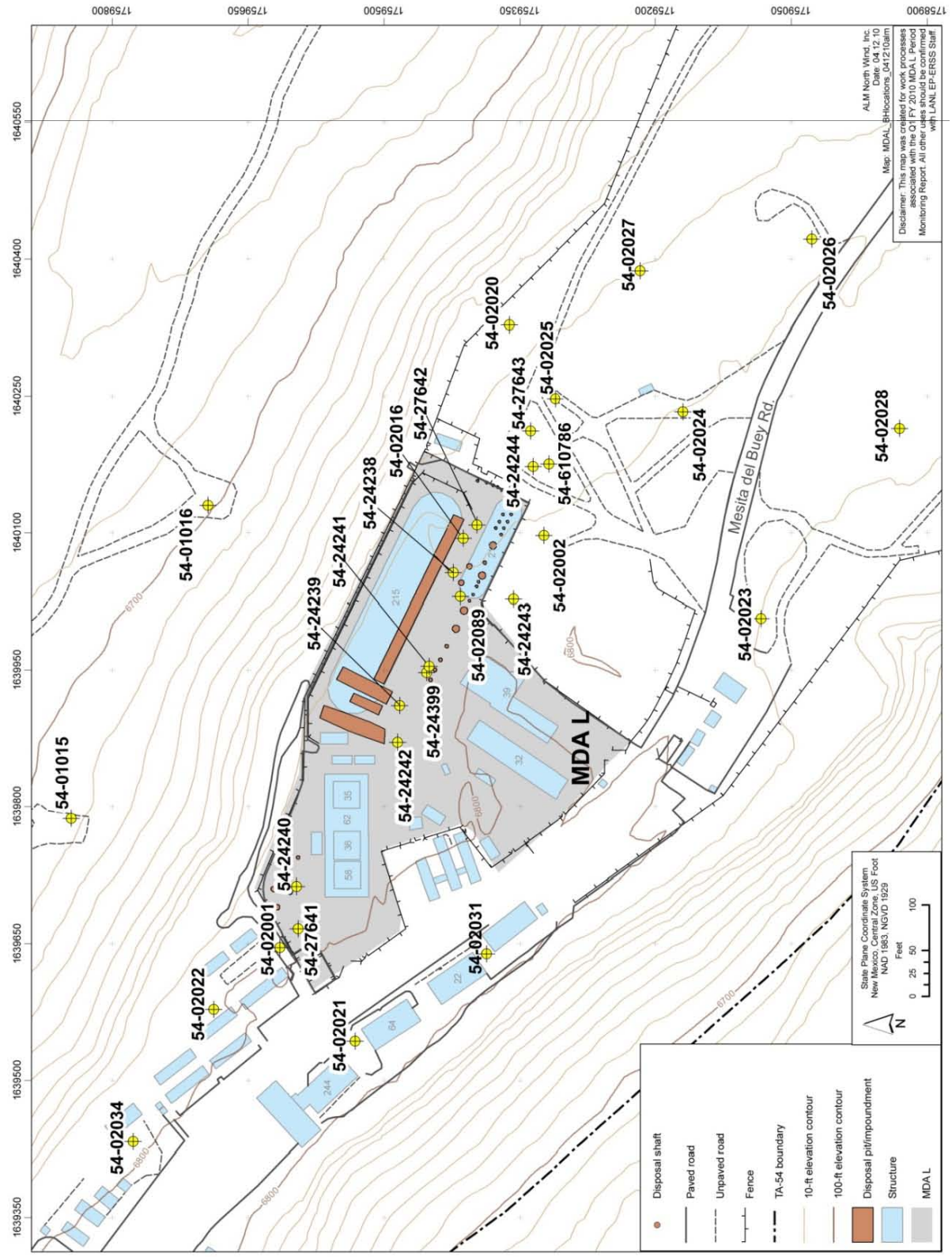

Figure 1.0-2 MDA L pore-gas monitoring borehole locations

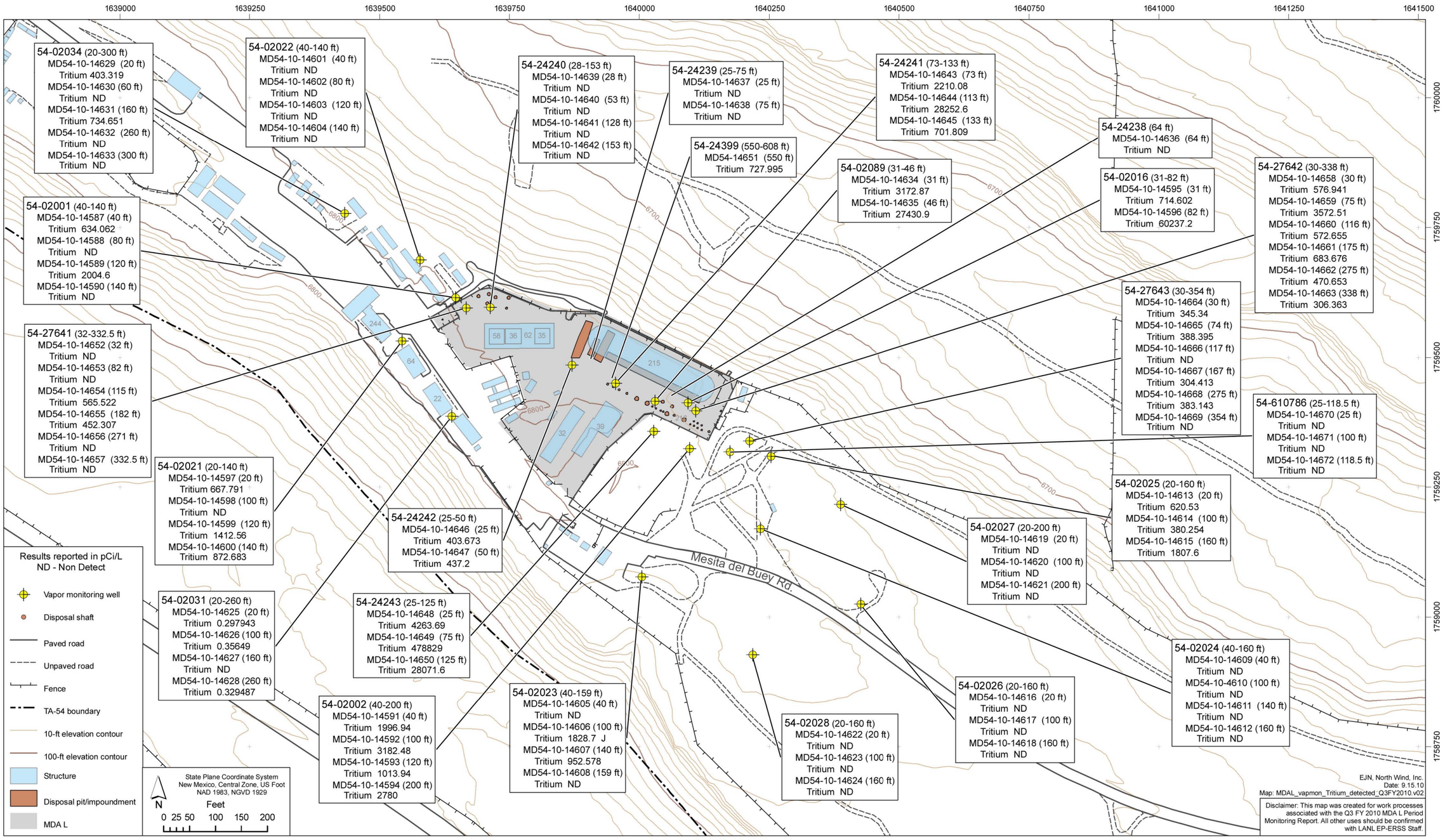

Figure 5.0-1 Tritium detected in vapor samples at MDA L

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

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

Table 1.0-1 (continued)

Borehole ID	VOC and Tritium Sampling Port-Depth Interval (ft bgs)
54-24243	**25 (24–26)**, 50 (49–51), **75 (74–76)**, 100 (99–101), **125 (124–126)**
54-24244[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)**
54-610786[d]	**25 (22.5–27.5),** 50 (47.5–52.5), 75 (72.5–77.5), **100 (97.5–102.5), 118.5 (116–121)**

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

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

[b] Borehole 54-24244 was abandoned and plugged on January 14, 2010.

[c] Open borehole.

[d] New borehole drilled December 2009 replacing abandoned borehole 54-24244.

Table 2.0-1
Third Quarter FY2010 MDA L Subsurface Vapor-Monitoring Locations,
Port Depths, and Corresponding Sampling Intervals That Were Field Screened and Sampled

Borehole ID	VOC and Tritium Sampling Port-Depth Intervals (ft bgs)
54-01015	37.6 (36–46), 165.4 (182–192), 308.3 (340–352), 333.3 (375–385), 377.7 (425–435), 426.5 (480–490), 462.1 (520–530)
54-01016	30.8 (30–40), 162.2 (178–190), 274.7 (318–324), 336.3 (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[a] (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[a] (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 (70–90), **100 (90–110)**, **120 (110–130), 140 (130–150)**, 160 (150–170), 180 (170–190), 198 (190–210)

Table 2.0-1 (continued)

Borehole ID	VOC and Tritium Sampling Port-Depth Intervals (ft bgs)
54-02022	20 (17.5–22.5), **40 (37.5–42.5)**, 60 (57.5–62.5), **80 (77.5–82.5)**, 100 (97.5–102.5), **120 (117.5–122.5)**, **140 (137.5–142.5)**, 160 (157.5–162.5), 180 (177.5–182.5), 200 (197.5–202.5)
54-02023	20 (10–30), **40 (30–50)**, 60 (50–70), 80 (70–90), **100 (90–110),** 120[a] (110–130), **140 (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)
54-02027	**20 (20)**, 60[b] (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)
54-24243	**25 (24–26)**, 50 (49–51), **75 (74–76)**, 100 (99–101), **125 (124–126)**
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)**
54-610786[d]	**25 (22.5–27.5),** 50 (47.5–52.5), 75 (72.5–77.5), **100 (97.5–102.5), 118.5 (116–121)**

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

[a] Blocked port.

[b] Partially blocked port.

[c] Open borehole.

[d] New borehole drilled December 2009 replacing abandoned borehole 54-24244.

Table 3.0-1
Henry's Law Constants, Groundwater SLs, and the Calculated Concentrations in Pore Gas of VOCs Detected during the Last Four Quarters of Sampling at MDA L

VOC	Henry's Law Constant[a] (dimensionless)	Groundwater SL (µg/L)	Source of Groundwater SL	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m^3)
Acetone	0.0016	21,800	NMED Tap Water SL	34,880
Benzene	0.228	5	EPA MCL	1140
Butanone[2-]	0.0023	7060	NMED Tap Water SL	16,238
Carbon Tetrachloride	1.1	5	EPA MCL	5500
Chlorobenzene	0.13	100	EPA MCL	13,000
Chloroform	0.15	80	EPA MCL	12,000
Cyclohexane	6.1	13,000	EPA regional SL	79,300,000
Dichlorodifluoromethane	14	395	NMED Tap Water SL	5,530,000
Dichloroethane[1,1-]	0.23	25	NMWQCC	5750
Dichloroethane[1,2-]	0.048	5	EPA MCL	240
Dichloroethene[1,1-]	1.1	5	NMWQCC	5500
Dichloroethene[trans-1,2-]	0.38	100	EPA MCL	38,000
Dichloropropane[1,2-]	0.12	5	EPA MCL	600
Dioxane[1,4-]	0.0002	61.1	NMED Tap Water SL	12.2
Ethanol	na[b]	na	na	na
Ethylbenzene	0.323	700	EPA MCL	226,100
Ethyltoluene[4-]	na	na	na	na
Hexane	74	876	NMED Tap Water SL	64,824,000
Methanol	0.00019	18,000	EPA regional SL	3420
Methylene Chloride	0.13	5	EPA MCL	650
Styrene	0.11	100	EPA MCL	11,000
Tetrachloroethene	0.72	5	EPA MCL	3600
Tetrahydrofuran	na	na	na	na
Toluene	0.272	750	NMWQCC	204,000
Trichloro-1,2,2-trifluoroethane[1,1,2-]	22	59,200	NMED Tap Water SL	1,302,400,000
Trichloroethane[1,1,1-]	0.705	60	NMWQCC	42,300
Trichloroethane[1,1,2-]	0.034	5	EPA MCL	170
Trichloroethene	0.4	5	EPA MCL	2000
Trichlorofluoromethane	4	1290	NMED Tap Water SL	5,160,000

Table 3.0-1 (continued)

VOC	Henry's Law Constant[a] (dimensionless)	Groundwater SL (µg/L)	Source of Groundwater SL	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m^3)
Trimethylbenzene[1,2,4-]	0.25	15	EPA regional SL	3750
Trimethylbenzene[1,3,5-]	0.36	370	EPA regional SL	133,200
Xylene[1,2-]	0.213	620	EPA regional SL	132,060
Xylene[1,3-]+ Xylene[1,4-]	0.27	620[c]	NMWQCC	167,400

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

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

[b] na = Not available.

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

Table 3.0-2
Screening Values of VOCs Detected during Third Quarter FY2010 in Pore Gas at MDA L

VOCs	Maximum Pore-Gas Concentration (µg/m^3)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m^3)	Screening Value (unitless)	Potential for Groundwater Impact[a]
Acetone	730	34,880	0.021	No
Benzene	2900	1140	2.5	Yes
Butanone[2-]	9.7	16,238	0.0006	No
Carbon Tetrachloride	10,000	5500	1.8	Yes
Chlorobenzene	1900	13,000	0.15	No
Chloroform	46,000	12,000	3.8	Yes
Cyclohexane	29	79,300,000	0.00000037	No
Dichlorodifluoromethane	45,000	5,530,000	0.0081	No
Dichloroethane[1,1-]	69,000	5750	12	Yes
Dichloroethane[1,2-]	640,000	240	2700	Yes
Dichloroethene[1,1-]	60,000	5500	11	Yes
Dichloropropane[1,2-]	280,000	600	470	Yes
Ethanol	7100	na[b]	na	No
Hexane	2400	64,824,000	0.000037	No
Methylene Chloride	180,000	650	280	Yes
Tetrachloroethene	370,000	3600	100	Yes
Tetrahydrofuran	35,000	na	na	No

Table 3.0-2 (continued)

VOCs	Maximum Pore-Gas Concentration (µg/m³)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m³)	Screening Value (unitless)	Potential for Groundwater Impact[a]
Toluene	11,000	204,000	0.054	No
Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,900,000	1,302,400,000	0.0015	No
Trichloroethane[1,1,1-]	2,500,000	42,300	59	Yes
Trichloroethene	1,100,000	2000	550	Yes
Trichlorofluoromethane	26,000	5,200,000	0.005	No
Xylene[1,2-]	1600	132,060	0.012	No

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

[a] If the SV is less than 1.0, the concentration of the VOC in pore gas does not have the potential to exceed the groundwater SL. Table 3.0-3 further evaluates the potential for groundwater impact.

[b] na = Not available.

Table 3.0-3
Screening Values of VOCs Detected during
Third Quarter FY2010 in Pore Gas at the Deepest Depth at MDA L, Borehole 54-24399

VOCs	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Pore-Gas Concentration (µg/m³)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m³)	Screening Value (unitless)	Potential for Groundwater Impact*
Benzene	550	550–608	6	1140	0.0053	No
Butanone[2-]			9.7	16,238	0.00059	No
Carbon Tetrachloride			16	5500	0.0029	No
Chloroform			50	12,000	0.0042	No
Cyclohexane			29	79,300,000	0.00000037	No
Dichlorodifluoromethane			20	5,530,000	0.0000036	No
Dichloroethane[1,1-]			68	5750	0.012	No
Dichloroethene[1,1-]			140	5500	0.025	No
Methylene Chloride			5.8	650	0.0089	No
Tetrachloroethene			360	3600	0.1	No
Trichloroethane[1,1,1-]			1800	42,300	0.043	No
Trichloroethene			670	2000	0.34	No
Trichlorofluoromethane			37	5,160,000	0.0000072	No

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

* If the SV is less than 1.0, the concentration of the VOC in pore gas does not have the potential to exceed the groundwater SL.

Table 3.0-4
Screening Values of VOCs Detected during the Last Four Quarters in Pore Gas at MDA L

Analyte	Maximum Pore-Gas Concentration (µg/m^3)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m^3)	Screening Value (unitless)	Potential for Groundwater Impact[a]
Acetone	730	34,880	0.021	No
Benzene	4400	1140	3.9	Yes
Butanone[2-]	120	16,238	0.0073	No
Carbon Tetrachloride	24,000	5500	4.4	Yes
Chlorobenzene	2200	13,000	0.17	No
Chloroform	71,000	12,000	5.9	Yes
Cyclohexane	19,000	79,300,000	0.00024	No
Dichlorodifluoromethane	45,000	5,530,000	0.0081	No
Dichloroethane[1,1-]	94,000	5750	16	Yes
Dichloroethane[1,2-]	740,000	240	3100	Yes
Dichloroethene[1,1-]	130,000	5500	24	Yes
Dichloroethene[trans-1,2-]	1600	38,000	0.042	No
Dichloropropane[1,2-]	400,000	600	670	Yes
Dioxane[1,4-]	4300	12.2	350	Yes
Ethanol	96,000	na[b]	na	No
Ethylbenzene	380	226,100	0.0017	No
Ethyltoluene[4-]	1200	na	na	No
Hexane	3400	64,824,000	0.000052	No
Methanol	38,000	3420	11	Yes
Methylene Chloride	340,000	650	520	Yes
Styrene	1000	11,000	0.091	No
Tetrachloroethene	510,000	3600	140	Yes
Tetrahydrofuran	73,000	na	na	No
Toluene	21,000	204,000	0.1	No
Trichloro-1,2,2-trifluoroethane[1,1,2-]	2,200,000	1,302,400,000	0.0017	No
Trichloroethane[1,1,1-]	3,900,000	42,300	92	Yes
Trichloroethane[1,1,2-]	1000	170	5.9	Yes
Trichloroethene	1,200,000	2000	600	Yes

Table 3.0-4 (continued)

Analyte	Maximum Pore-Gas Concentration (µg/m^3)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m^3)	Screening Value (unitless)	Potential for Groundwater Impact[a]
Trichlorofluoromethane	41,000	5,160,000	0.0079	No
Trimethylbenzene[1,2,4-]	210	3750	0.056	No
Trimethylbenzene[1,3,5-]	300	133,200	0.0023	No
Xylene[1,2-]	4000	132,060	0.03	No
Xylene[1,3-]+ Xylene[1,4-]	3200	167,400	0.019	No

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

[a] If the SV is less than 1.0, the concentration of the VOC in pore gas does not have the potential to exceed the groundwater SL.

[b] na = Not available.

Table 4.0-1
Field-Screening Results Using a LANDTEC GEM-500 at MDA L during the Last Four Quarters

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-01015	Ambient	Ambient	CO_2	8/4/09	0	11/17/09	0	NS[a]	NS	5/4/10	0
			O_2	8/4/09	21.1	11/17/09	20.5	NS	NS	5/4/10	20.1
	37.6	36–46	CO_2	8/4/09	0	11/17/09	0	NS	NS	5/4/10	0
			O_2	8/4/09	20.7	11/17/09	20.6	NS	NS	5/4/10	20
	165.4	182–192	CO_2	8/4/09	0	11/17/09	0.1	NS	NS	5/4/10	0
			O_2	8/4/09	20.5	11/17/09	20.2	NS	NS	5/4/10	19.4
	308.3	340–352	CO_2	8/4/09	0	11/17/09	0.2	NS	NS	5/4/10	0
			O_2	8/4/09	20.2	11/17/09	20.1	NS	NS	5/4/10	19.2
	333.3	375–385	CO_2	8/4/09	0	11/17/09	0.1	NS	NS	5/4/10	0
			O_2	8/4/09	20.5	11/17/09	20.1	NS	NS	5/4/10	19.7
	377.7	425–435	CO_2	8/4/09	0	11/17/09	0.1	NS	NS	5/4/10	0
			O_2	8/4/09	20.2	11/17/09	19.8	NS	NS	5/4/10	20.2
	426.5	480–490	CO_2	8/4/09	0	11/17/09	0.1	NS	NS	5/4/10	0
			O_2	8/4/09	20.3	11/17/09	19.8	NS	NS	5/4/10	20.5
	462.1	520–530	CO_2	8/4/09	0	11/17/09	0.1	NS	NS	5/4/10	0
			O_2	8/4/09	20	11/17/09	19.8	NS	NS	5/4/10	20.6
54-01016	Ambient	Ambient	CO_2	8/4/09	0	11/17/09	0.01	NS	NS	5/5/10	0
			O_2	8/4/09	20.7	11/17/09	20.7	NS	NS	5/5/10	20.5
	30.8	30–40	CO_2	8/4/09	0	11/17/09	0.2	NS	NS	5/5/10	0.2
			O_2	8/4/09	20.3	11/17/09	20.7	NS	NS	5/5/10	19.8
	162.2	178–190	CO_2	8/4/09	0	11/17/09	0.5	NS	NS	5/5/10	0.4
			O_2	8/4/09	19.9	11/17/09	20.2	NS	NS	5/5/10	19.1
	274.7	318–324	CO_2	8/4/09	0	11/17/09	0.3	NS	NS	5/5/10	0.2
			O_2	8/4/09	20	11/17/09	20.2	NS	NS	5/5/10	19.4

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-01016 (cont.)	336.3	386–396	CO_2	8/4/09	0[b]	11/17/09	0	NS	NS	5/5/10	0
			O_2	8/4/09	20.5[b]	11/17/09	20.2	NS	NS	5/5/10	19.5
	414.3	473–483	CO_2	8/4/09	0[c]	11/17/09	0[c]	NS	NS	5/5/10	0
			O_2	8/4/09	20.6[c]	11/17/09	20.1[c]	NS	NS	5/5/10	19.9
	459.5	530–540	CO_2	8/4/09	0[c]	11/17/09	0[b]	NS	NS	5/5/10	0
			O_2	8/4/09	20.6[c]	11/17/09	20.1[b]	NS	NS	5/5/10	20.2
	517.6	592–602	CO_2	8/4/09	0[b]	11/17/09	0	NS	NS	5/5/10	0
			O_2	8/4/09	20.3[b]	11/17/09	20.1	NS	NS	5/5/10	19.9
54-02001	Ambient	Ambient	CO_2	8/18/09	0	10/27/09	0	1/28/10	0.1	4/5/10	0
			O_2	8/18/09	21.2	10/27/09	21	1/28/10	20	4/5/10	22.6
	20	17.5–22.5	CO_2	8/18/09	0.6	10/27/09	1.3	1/28/10	0.5	4/5/10	0
			O_2	8/18/09	20	10/27/09	19.3	1/28/10	20	4/5/10	22.7
	40	37.5–42.5	CO_2	8/18/09	0.5	10/27/09	1.2	2/19/10	0	4/5/10	0
			O_2	8/18/09	20	10/27/09	19.6	2/19/10	20.7	4/5/10	22.7
	60	57.5–62.5	CO_2	8/18/09	0.2	10/27/09	0.6	2/19/10	0	4/5/10	0.9
			O_2	8/18/09	20.1	10/27/09	20.1	2/19/10	20.8	4/5/10	21.9
	80	77.5–82.5	CO_2	8/18/09	0.5	10/27/09	1.1	2/19/10	0	4/5/10	1.5
			O_2	8/18/09	20	10/27/09	19.7	2/19/10	20.9	4/5/10	20.3
	100	97.5–102.5	CO_2	8/18/09	0.4	10/27/09	0.7	2/19/10	0	4/5/10	1.4
			O_2	8/18/09	20	10/27/09	20.1	2/19/10	21.2	4/5/10	20.3
	120	117.5–122.5	CO_2	8/18/09	0.3	10/27/09	0.8	2/19/10	0	4/5/10	0.4
			O_2	8/18/09	21.4	10/27/09	19.9	2/19/10	21.4	4/5/10	20.9
	140	137.5–142.5	CO_2	8/18/09	0.3	10/27/09	0.6	2/19/10	0	4/5/10	0.4
			O_2	8/18/09	19.9	10/27/09	19.9	2/19/10	21.4	4/5/10	20.9

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02001 (cont.)	160	157.5–162.5	CO_2	8/18/09	0	11/17/09	0.6[b]	2/19/10	0	4/5/10	0.4
			O_2	8/18/09	20.7	11/17/09	19.8[b]	2/19/10	21.6	4/5/10	21
	180	177.5–182.5	CO_2	8/18/09	0.1[c]	10/27/09	0.7[c]	2/19/10	0[c]	4/5/10	0.6
			O_2	8/18/09	20.2[c]	10/27/09	20.1[c]	2/19/10	21.6[c]	4/5/10	20.9
	200	197.5–202.5	CO_2	8/18/09	0.2	10/27/09	0.7	2/19/10	0	4/5/10	0.7
			O_2	8/18/09	20	10/27/09	19.9	2/19/10	21.6	4/5/10	20.9
54-02002	Ambient	Ambient	CO_2	7/27/09	0	11/9/09	0	2/9/10	0	4/23/10	0
			O_2	7/27/09	21.2	11/9/09	20.9	2/9/10	21.2	4/23/10	21.1
	20	17.5–22.5	CO_2	7/27/09	0	11/9/09	0.7	2/9/10	0.9	4/23/10	0
			O_2	7/27/09	20.9	11/9/09	19.7	2/9/10	20.2	4/23/10	21
	40	37.5–42.5	CO_2	7/27/09	0.7	11/9/09	1.3	2/9/10	1.8	4/23/10	2
			O_2	7/27/09	19.4	11/9/09	18.8	2/9/10	19.6	4/23/10	19.5
	60	57.5–62.5	CO_2	7/27/09	1.1	11/9/09	1.7	2/9/10	2.3	4/23/10	2.4
			O_2	7/27/09	19	11/9/09	18.1	2/9/10	19.2	4/23/10	19.1
	80	77.5–82.5	CO_2	7/27/09	1[c]	11/9/09	1	2/9/10	2.3	4/23/10	2.4[c]
			O_2	7/27/09	19[c]	11/9/09	16.8	2/9/10	19.1	4/23/10	19[c]
	100	97.5–102.5	CO_2	7/27/09	1	11/9/09	1.5	2/9/10	0	4/23/10	2
			O_2	7/27/09	19	11/9/09	18.1	2/9/10	21.1	4/23/10	19.3
	120	117.5–122.5	CO_2	7/27/09	0.7	11/9/09	1.3	2/9/10	0	4/23/10	1.6
			O_2	7/27/09	19.2	11/9/09	18.1	2/9/10	20.9	4/23/10	19.5
	140	137.5–142.5	CO_2	7/27/09	0.7	11/9/09	1.1	2/9/10	1.9	4/23/10	2.1
			O_2	7/27/09	18.9	11/9/09	18.3	2/9/10	19.3	4/23/10	19
	157	154.5–159.5	CO_2	7/27/09	0.6	11/9/09	0.9	2/9/10	1.6	4/23/10	1.8
			O_2	7/27/09	19.4	11/9/09	18.4	2/9/10	19.5	4/23/10	19.4
	180	177.5–182.5	CO_2	7/27/09	0.7	11/9/09	1.2	2/9/10	2	4/23/10	2.1[c]

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02002 (cont.)	180	177.5–182.5	O_2	7/27/09	19	11/9/09	17.9	2/9/10	19.3	4/23/10	19.3[c]
	200	197.5–202.5	CO_2	7/27/09	0.4	11/9/09	0.7	2/9/10	1.3	4/23/10	1.5
			O_2	7/27/09	19.5	11/9/09	18.1	2/9/10	19.8	4/23/10	19.7
54-02016	Ambient	Ambient	CO_2	7/21/09	0	11/3/09	0.1	1/26/10	0	4/20/10	0
			O_2	7/21/09	21.2	11/3/09	20.6	1/26/10	20.6	4/20/10	21.4
	18	15.5–20.5	CO_2	7/21/09	0[c]	11/3/09	0[c]	1/26/10	0[c]	4/20/10	0[c]
			O_2	7/21/09	21.1[c]	11/3/09	20.9[c]	1/26/10	20.6[c]	4/20/10	20.7[c]
	31	28.5–33.5	CO_2	7/21/09	2.1	11/3/09	2.7	1/26/10	3.6	4/20/10	3.3
			O_2	7/21/09	18	11/3/09	17.1	1/26/10	17.3	4/20/10	18.2
	82	79.5–84.5	CO_2	7/21/09	0	11/3/09	1.7	1/26/10	3	4/20/10	0
			O_2	7/21/09	20.9	11/3/09	18.1	1/26/10	17.6	4/20/10	21.3
54-02020	Ambient	Ambient	CO_2	8/3/09	0	11/16/09	0	2/11/10	0	4/29/10	0
			O_2	8/3/09	21.3	11/16/09	21.3	2/11/10	21.3	4/29/10	20.8
	20	10–30	CO_2	8/3/09	0.2	11/16/09	0.5	2/11/10	0.5	4/29/10	0.3
			O_2	8/3/09	20.4	11/16/09	20.1	2/11/10	21	4/29/10	20.4
	40	30–50	CO_2	8/3/09	0.1	11/16/09	0.6	2/11/10	0.6	4/29/10	0.3
			O_2	8/3/09	20.4	11/16/09	21.1	2/11/10	21	4/29/10	20.4
	60	50–70	CO_2	8/3/09	0.1	11/16/09	0.6	2/11/10	0.6	4/29/10	0.3
			O_2	8/3/09	20.3	11/16/09	20.6	2/11/10	21.1	4/29/10	20.4
	80	70–90	CO_2	8/3/09	0.1	11/16/09	0.5	2/11/10	0.6	4/29/10	0.3
			O_2	8/3/09	20.1	11/16/09	21.3	2/11/10	21.1	4/29/10	20.3
	95	90–110	CO_2	8/3/09	0.1	11/16/09	0.6	2/11/10	0.6	4/29/10	0.3
			O_2	8/3/09	20.1	11/16/09	20.6	2/11/10	21.1	4/29/10	20.1
	120	110–130	CO_2	8/3/09	0.1	11/16/09	0.5	2/11/10	0.6	4/29/10	0.3
			O_2	8/3/09	20.1	11/16/09	20.6	2/11/10	21.2	4/29/10	20.1

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02020 (cont.)	140	130–150	CO_2	8/3/09	0.1	11/16/09	0.6	2/11/10	0.6	4/29/10	0.3
			O_2	8/3/09	20	11/16/09	20.2	2/11/10	21.2	4/29/10	19.9
	160	150–170	CO_2	8/3/09	0.1	11/16/09	0.5	2/11/10	0.6	4/29/10	0.3
			O_2	8/3/09	20	11/16/09	21.6	2/11/10	21.1	4/29/10	19.9
	180	170–190	CO_2	8/3/09	0.1	11/16/09	0.5	2/11/10	0.5	4/29/10	0.3
			O_2	8/3/09	20.1	11/16/09	20.2	2/11/10	21.2	4/29/10	19.9
	200	190–210	CO_2	8/3/09	0	11/16/09	0.6	2/11/10	0.5	4/29/10	0.2
			O_2	8/3/09	20	11/16/09	20.1	2/11/10	21.3	4/29/10	19.9
54-02021	Ambient	Ambient	CO_2	7/22/09	0	10/28/09	0.1	2/12/10	0	4/1/10	0
			O_2	7/22/09	21.1	10/28/09	21.1	2/12/10	21.5	4/1/10	20.9
	20	10–30	CO_2	7/22/09	0.2	10/28/09	1.1	2/12/10	0.6	4/1/10	0.9
			O_2	7/22/09	20.3	10/28/09	20.3	2/12/10	21.2	4/1/10	20.8
	40	30–50	CO_2	7/22/09	0.1	10/28/09	0.7	2/12/10	0.6	4/1/10	0.9
			O_2	7/22/09	20.2	10/28/09	20.5	2/12/10	21.1	4/1/10	20.8
	60	50–70	CO_2	7/22/09	0.1	10/28/09	0.6	2/12/10	0.6	4/1/10	0
			O_2	7/22/09	20.3	10/28/09	20.7	2/12/10	21.3	4/1/10	20.8
	80	70–90	CO_2	7/22/09	0.1[c]	10/28/09	0.5	2/12/10	0.6	4/1/10	1
			O_2	7/22/09	20.3[c]	10/28/09	20.7	2/12/10	21.4	4/1/10	20.8
	100	90–110	CO_2	7/22/09	0.2	10/28/09	0.6	2/12/10	0.6	4/1/10	1
			O_2	7/22/09	20.1	10/28/09	20.4	2/12/10	21.6	4/1/10	20.9
	120	110–130	CO_2	7/22/09	0.1[c]	10/28/09	0.5	2/12/10	0.4	4/1/10	0.9
			O_2	7/22/09	20.1[c]	10/28/09	20.7	2/12/10	21.5	4/1/10	21
	140	130–150	CO_2	7/22/09	0.2	10/28/09	0.7	2/12/10	0.6	4/1/10	0.9
			O_2	7/22/09	20	10/28/09	20.3	2/12/10	21.2	4/1/10	20.7
	160	150–170	CO_2	7/22/09	0.1	10/28/09	0.5	2/12/10	0	4/1/10	0.8

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02021 (cont.)	160	150–170	O_2	7/22/09	19.9	10/28/09	20	2/12/10	21.9	4/1/10	20.7
	180	170–190	CO_2	7/22/09	0.1	10/28/09	0.7	2/12/10	0.5	4/1/10	0.9
			O_2	7/22/09	19.9	10/28/09	20	2/12/10	21.4	4/1/10	21
	198	190–210	CO_2	7/22/09	0.1	10/28/09	0.7	2/12/10	0.5	4/1/10	0.8
			O_2	7/22/09	20.1	10/28/09	20.3	2/12/10	21.4	4/1/10	21.1
54-02022	Ambient	Ambient	CO_2	7/24/09	0	10/28/09	0	1/28/10	0	4/5/10	0
			O_2	7/24/09	21.3	10/28/09	20.4	1/28/10	20.3	4/5/10	21.1
	20	17.5–22.5	CO_2	7/24/09	0.5	10/28/09	1.7	1/28/10	0	4/5/10	0.5
			O_2	7/24/09	20.1	10/28/09	19.1	1/28/10	20.3	4/5/10	21.6
	40	37.5–42.5	CO_2	7/24/09	0.4	10/28/09	1.2	1/28/10	0	4/5/10	1.3
			O_2	7/24/09	20	10/28/09	19.9	1/28/10	20.3	4/5/10	21.2
	60	57.5–62.5	CO_2	7/24/09	0.4	10/28/09	1.2	1/28/10	0	4/5/10	1.2
			O_2	7/24/09	20.1	10/28/09	20	1/28/10	20.2	4/5/10	21.5
	80	77.5–82.5	CO_2	7/24/09	0.3	10/28/09	1	1/28/10	0	4/5/10	1.2
			O_2	7/24/09	20	10/28/09	20.3	1/28/10	20.1	4/5/10	21.7
	100	97.5–102.5	CO_2	7/24/09	0.2	10/28/09	0.8	1/28/10	0[b]	4/5/10	0.8
			O_2	7/24/09	20	10/28/09	20.4	1/28/10	20[b]	4/5/10	22
	120	117.5–122.5	CO_2	7/24/09	0.3	10/28/09	1	1/28/10	0	4/5/10	1
			O_2	7/24/09	20	10/28/09	20.3	1/28/10	19.9	4/5/10	22
	140	137.5–142.5	CO_2	7/24/09	0.3	10/28/09	0.8	1/28/10	0	4/5/10	0.9
			O_2	7/24/09	19.9	10/28/09	20.4	1/28/10	20	4/5/10	22.2
	160	157.5–162.5	CO_2	7/24/09	0.2	10/28/09	0.8	1/28/10	0	4/5/10	0.9
			O_2	7/24/09	19.9	10/28/09	20.3	1/28/10	19.9	4/5/10	22.2
	180	177.5–182.5	CO_2	7/24/09	0.2	10/28/09	0.8	1/28/10	0	4/5/10	0.8
			O_2	7/24/09	20	10/28/09	20	1/28/10	19.7	4/5/10	22.4

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02022 (cont.)	200	197.5–202.5	CO_2	7/24/09	0.2	10/28/09	0.7	1/28/10	0	4/5/10	0.7
			O_2	7/24/09	19.9	10/28/09	20	1/28/10	19.7	4/5/10	22.6
54-02023	Ambient	Ambient	CO_2	7/30/09	0	11/12/09	0	2/9/10	0	4/28/10	0
			O_2	7/30/09	21	11/12/09	20.9	2/9/10	21.3	4/28/10	20.4
	20	10–30	CO_2	7/30/09	0.8	11/12/09	1.4	2/9/10	1.9	4/28/10	1.3
			O_2	7/30/09	19.4	11/12/09	19.4	2/9/10	19.9	4/28/10	19
	40	30–50	CO_2	7/30/09	0.5	11/12/09	1.4	2/9/10	1.8	4/28/10	1.2
			O_2	7/30/09	19.9	11/12/09	19.3	2/9/10	19.9	4/28/10	19
	60	50–70	CO_2	7/30/09	0.2	11/12/09	0.1[b]	2/9/10	0.8	4/28/10	0
			O_2	7/30/09	20	11/12/09	20.1[b]	2/9/10	20.4	4/28/10	20.2
	80	70–90	CO_2	7/30/09	0.5	11/12/09	1	2/9/10	1.3	4/28/10	1
			O_2	7/30/09	19.8	11/12/09	19.4	2/9/10	20.2	4/28/10	19.2
	100	90–110	CO_2	7/30/09	0.5	11/12/09	1	2/9/10	1	4/28/10	0.9
			O_2	7/30/09	20.2	11/12/09	19.4	2/9/10	20.2	4/28/10	19.3
	120	110–130	CO_2	7/30/09	0[b]	11/12/09	0[c]	2/9/10	0[c]	4/28/10	NS[c]
			O_2	7/30/09	20.9[b]	11/12/09	20.4[c]	2/9/10	21.1[c]	4/28/10	NS[c]
	140	130–149	CO_2	7/30/09	0[b]	11/12/09	0.7	2/9/10	0.9	4/28/10	0
			O_2	7/30/09	20.9[b]	11/12/09	19.6	2/9/10	20.4	4/28/10	20.3
	159	149–169	CO_2	7/30/09	0.3	11/12/09	0.6	2/9/10	0.8	4/28/10	0
			O_2	7/30/09	20.3	11/12/09	19.6	2/9/10	20.4	4/28/10	20.3
	180	170–190	CO_2	7/30/09	0.5[b]	11/12/09	0	2/9/10	1[b]	4/28/10	NS[c]
			O_2	7/30/09	20[b]	11/12/09	20.4	2/9/10	20.3[b]	4/28/10	NS[c]
	200	190–210	CO_2	7/30/09	0.2	11/12/09	0.6	2/9/10	0.7	4/28/10	0
			O_2	7/30/09	20.2	11/12/09	19.8	2/9/10	20.5	4/28/10	20.3
54-02024	Ambient	Ambient	CO_2	7/29/09	0	11/13/09	0.1	2/10/10	0	4/28/10	0

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02024 (cont.)	Ambient	Ambient	O_2	7/29/09	20.9	11/13/09	20.1	2/10/10	21.1	4/28/10	20.6
	20	10–30	CO_2	7/29/09	0.3	11/13/09	0.7	2/10/10	0.6	4/28/10	0.4
			O_2	7/29/09	20.1	11/13/09	19.6	2/10/10	20.7	4/28/10	19.5
	40	30–50	CO_2	7/29/09	0.2	11/13/09	0.6	2/10/10	0.7	4/28/10	0.4
			O_2	7/29/09	20.3	11/13/09	19.6	2/10/10	20.5	4/28/10	19.7
	60	50–70	CO_2	7/29/09	0.2	11/13/09	0.7	2/10/10	0.7	4/28/10	0.4
			O_2	7/29/09	20.2	11/13/09	19.4	2/10/10	20.5	4/28/10	19.7
	80	70–90	CO_2	7/29/09	0.2	11/13/09	0.6	2/10/10	0.8	4/28/10	0.4
			O_2	7/29/09	20.3	11/13/09	19.4	2/10/10	20.3	4/28/10	19.8
	100	90–110	CO_2	7/29/09	0.2	11/13/09	0.6	2/10/10	0.8	4/28/10	0.4
			O_2	7/29/09	20.3	11/13/09	19.4	2/10/10	20.2	4/28/10	19.8
	120	110–130	CO_2	7/29/09	0.1[c]	11/13/09	0.5[c]	2/10/10	0.1[c]	4/28/10	NS[c]
			O_2	7/29/09	20.3[c]	11/13/09	19.6[c]	2/10/10	20.9[c]	4/28/10	NS[c]
	140	130–150	CO_2	7/29/09	0.1	11/13/09	0.6	2/10/10	0.8	4/28/10	0.4
			O_2	7/29/09	20.3	11/13/09	19.4	2/10/10	20.4	4/28/10	19.8
	160	150–170	CO_2	7/29/09	0.1	11/13/09	0.6	2/10/10	0.7	4/28/10	0
			O_2	7/29/09	20.2	11/13/09	19.5	2/10/10	20.2	4/28/10	20.4
	180	170–190	CO_2	7/29/09	0.1	11/13/09	0.1	2/10/10	0	4/28/10	0.04
			O_2	7/29/09	20.3	11/13/09	19.7	2/10/10	20.7	4/28/10	19.9
	200	190–210	CO_2	7/29/09	0.1	11/13/09	0.5	2/10/10	0.6	4/28/10	0
			O_2	7/29/09	20.4	11/13/09	19.5	2/10/10	20.2	4/28/10	20.6
54-02025	Ambient	Ambient	CO_2	7/27/09	0	11/10/09	0	2/9/10	0	4/27/10	0
			O_2	7/27/09	20.9	11/10/09	16.9	2/9/10	21.2	4/27/10	21.4
	20	20	CO_2	7/27/09	0.3	11/10/09	0.5	2/9/10	0.7	4/27/10	1
			O_2	7/27/09	20.2	11/10/09	16.2	2/9/10	20.5	4/27/10	20.7

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02025 (cont.)	60	60	CO_2	7/27/09	0.1	11/10/09	0.1	2/9/10	0.3	4/27/10	0.7
			O_2	7/27/09	19.9	11/10/09	16.4	2/9/10	20.9	4/27/10	20.9
	100	100	CO_2	7/27/09	0.3	11/10/09	0.5	2/9/10	0.9	4/27/10	1.2
			O_2	7/27/09	19.9	11/10/09	15.8	2/9/10	20.3	4/27/10	20.4
	160	160	CO_2	7/27/09	0.3	11/10/09	0.7	2/9/10	0.7	4/27/10	1.1
			O_2	7/27/09	19.9	11/10/09	15.7	2/9/10	20.5	4/27/10	20.2
	190	190	CO_2	7/27/09	0.2	11/10/09	0.4	2/9/10	0.5	4/27/10	0.9
			O_2	7/27/09	19.9	11/10/09	16.2	2/9/10	20.6	4/27/10	20.3
54-02026	Ambient	Ambient	CO_2	7/29/09	0	11/12/09	0	2/5/10	0	4/29/10	0
			O_2	7/29/09	20.9	11/12/09	20.6	2/5/10	21.4	4/29/10	20.1
	20	20	CO_2	7/29/09	0.3	11/12/09	0.7	2/5/10	0.7	4/29/10	0.4
			O_2	7/29/09	20.3	11/12/09	19.6	2/5/10	20.9	4/29/10	19.8
	60	60	CO_2	7/29/09	0.2	11/12/09	0.7	2/5/10	0.8	4/29/10	0.3
			O_2	7/29/09	20.3	11/12/09	19.6	2/5/10	20.5	4/29/10	19.9
	100	100	CO_2	7/29/09	0.1	11/12/09	0.6	2/5/10	0	4/29/10	0.3
			O_2	7/29/09	20.3	11/12/09	19.5	2/5/10	20.8	4/29/10	19.9
	160	160	CO_2	7/29/09	0	11/12/09	0.5	2/5/10	0.7	4/29/10	0.3
			O_2	7/29/09	20.3	11/12/09	19.9	2/5/10	20.4	4/29/10	19.9
	200	200	CO_2	7/29/09	0	11/12/09	0.5	2/5/10	0.6	4/29/10	0
			O_2	7/29/09	20.4	11/12/09	19.9	2/5/10	20.4	4/29/10	20.4
	215	215	CO_2	7/29/09	0	11/12/09	0.4	2/5/10	0	4/29/10	0
			O_2	7/29/09	20.4	11/12/09	20	2/5/10	20.7	4/29/10	20
54-02027	Ambient	Ambient	CO_2	7/28/09	0	11/10/09	0.1	2/4/10	0	4/27/10	0
			O_2	7/28/09	21	11/10/09	20.5	2/4/10	21.5	4/27/10	21.8
	20	20	CO_2	7/28/09	0.2	11/10/09	0.7	2/4/10	0.6	4/27/10	0.8

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02027 (cont.)	20	20	O_2	7/28/09	20.2	11/10/09	19.9	2/4/10	21.2	4/27/10	21.5
	60	60	CO_2	7/28/09	0.2	11/10/09	0.6	2/4/10	0.7	4/27/10	0.8[b]
			O_2	7/28/09	20.3	11/10/09	19.1	2/4/10	20.7	4/27/10	21.6[b]
	100	100	CO_2	7/28/09	0.1	11/10/09	0.5	2/4/10	0.6	4/27/10	0.8
			O_2	7/28/09	20.3	11/10/09	18.7	2/4/10	20.6	4/27/10	21.6
	160	160	CO_2	7/28/09	0.1	11/10/09	0.5	2/4/10	0.6	4/27/10	0.7
			O_2	7/28/09	20.3	11/10/09	18.7	2/4/10	20.4	4/27/10	21.7
	200	200	CO_2	7/28/09	0	11/10/09	0.3	2/4/10	0.5	4/27/10	0.6
			O_2	7/28/09	20.3	11/10/09	19	2/4/10	20.4	4/27/10	21.5
	220	220	CO_2	7/28/09	0	11/10/09	0.2	2/4/10	0.5	4/27/10	0.6
			O_2	7/28/09	20.3	11/10/09	19.2	2/4/10	20.5	4/27/10	21.5
	250	250	CO_2	7/28/09	0	11/10/09	0	2/4/10	0.4	4/27/10	0.4
			O_2	7/28/09	20.3	11/10/09	19.9	2/4/10	20.5	4/27/10	21.6
54-02028	Ambient	Ambient	CO_2	7/30/09	0	11/16/09	0.1	2/10/10	0	4/27/10	0
			O_2	7/30/09	21.4	11/16/09	20.4	2/10/10	21.3	4/27/10	22.8
	20	20	CO_2	7/30/09	0.1	11/16/09	0.1	2/10/10	0.4	4/27/10	0.6
			O_2	7/30/09	20.8	11/16/09	20.5	2/10/10	21	4/27/10	22.8
	60	60	CO_2	7/30/09	0	11/16/09	0.5	2/10/10	0.5	4/27/10	0.6
			O_2	7/30/09	20.7	11/16/09	19.9	2/10/10	20.9	4/27/10	23
	100	100	CO_2	7/30/09	0	11/16/09	0.5	2/10/10	0.5	4/27/10	0.7
			O_2	7/30/09	20.7	11/16/09	20.3	2/10/10	20.8	4/27/10	21.1
	160	160	CO_2	7/30/09	0	11/16/09	0.3	2/10/10	0.4	4/27/10	0.7
			O_2	7/30/09	20.7	11/16/09	20.5	2/10/10	20.7	4/27/10	21
	200	200	CO_2	7/30/09	0	11/16/09	0	2/10/10	0.4	4/27/10	0.6
			O_2	7/30/09	20.7	11/16/09	20.6	2/10/10	20.7	4/27/10	21

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02028 (cont.)	220	220	CO_2	7/30/09	0	11/16/09	0.3	2/10/10	0.3	4/27/10	0.6
			O_2	7/30/09	20.7	11/16/09	20.6	2/10/10	20.8	4/27/10	21
	250	250	CO_2	7/30/09	0	11/16/09	0	2/10/10	0.2	4/27/10	0.5
			O_2	7/30/09	20.7	11/16/09	20.9	2/10/10	20.7	4/27/10	21
54-02031	Ambient	Ambient	CO_2	8/17/09	0	10/29/09	0.1	2/11/10	0	4/2/10	0.1
			O_2	8/17/09	21.1	10/29/09	20.9	1/27/10	21.4	4/2/10	21
	20	20	CO_2	8/17/09	1	10/29/09	2	2/11/10	1.3	4/2/10	1.7
			O_2	8/17/09	19.4	10/29/09	19.2	2/11/10	20.6	4/2/10	20.2
	60	60	CO_2	8/17/09	0.4	10/29/09	1.2	2/11/10	0.9	4/2/10	1.4
			O_2	8/17/09	20.1	10/29/09	19.7	2/11/10	20.9	4/2/10	20.2
	100	100	CO_2	8/17/09	0.3	10/29/09	1	2/11/10	0.8	4/2/10	1.1
			O_2	8/17/09	20.2	10/29/09	20.1	2/11/10	21.1	4/2/10	20.1
	160	160	CO_2	8/17/09	0.2	10/29/09	0.8	2/11/10	0.7	4/2/10	1
			O_2	8/17/09	20.1	10/29/09	19.9	2/11/10	21.1	4/2/10	20
	200	200	CO_2	8/17/09	0.2	10/29/09	0.7	2/11/10	0.6	4/2/10	0.9
			O_2	8/17/09	20.2	10/29/09	19.7	2/11/10	21.1	4/2/10	19.9
	220	220	CO_2	8/17/09	0.3[b]	10/29/09	0.3	2/11/10	0.7	4/2/10	0.1
			O_2	8/17/09	20.2[b]	10/29/09	20.1	2/11/10	21.3	4/2/10	20.2
	260	260	CO_2	8/17/09	0.1	10/29/09	0.7	2/11/10	0.5	4/2/10	0.9
			O_2	8/17/09	20.1	10/29/09	19.7	2/11/10	20	4/2/10	19.8
54-02034	Ambient	Ambient	CO_2	7/22/09	0	10/27/09	0	2/12/10	0	4/2/10	0
			O_2	7/22/09	21.1	10/27/09	20.5	2/12/10	21.1	4/2/10	20.5
	20	20	CO_2	7/22/09	0.8	10/27/09	2.1	2/12/10	1.9	4/2/10	1
			O_2	7/22/09	19.8	10/27/09	18.8	2/12/10	20	4/2/10	20.1
	60	60	CO_2	7/22/09	0.5	10/27/09	1.2	2/12/10	1	4/2/10	1.8

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02034 (cont.)	60	60	O_2	7/22/09	20.1	10/27/09	19.8	2/12/10	20.2	4/2/10	19.7
	100	100	CO_2	7/22/09	0.4	10/27/09	1.1	2/12/10	0.6	4/2/10	0.6
			O_2	7/22/09	20.3	10/27/09	20.8	2/12/10	20.5	4/2/10	20.5
	160	160	CO_2	7/22/09	0.3	10/27/09	0.7	2/12/10	0.2	4/2/10	1.1
			O_2	7/22/09	20.3	10/27/09	20.9	2/12/10	20.8	4/2/10	20.2
	200	200	CO_2	7/22/09	0.2	10/27/09	0.6	2/12/10	0	4/2/10	0.9
			O_2	7/22/09	20.4	10/27/09	20.8	2/12/10	21.1	4/2/10	20
	220	220	CO_2	7/22/09	0.1	10/27/09	0.6	2/12/10	0.3	4/2/10	0.9
			O_2	7/22/09	20.4	10/27/09	20.5	2/12/10	20.9	4/2/10	20.1
	260	260	CO_2	7/22/09	0.4	10/27/09	0.4	2/12/10	0	4/2/10	0.7
			O_2	7/22/09	20.4	10/27/09	21	2/12/10	21.3	4/2/10	20.2
	300	300	CO_2	7/22/09	0	10/27/09	0.2	2/12/10	0	4/2/10	0.5
			O_2	7/22/09	20.7	10/27/09	21.4	2/12/10	21.1	4/2/10	20.4
54-02089	Ambient	Ambient	CO_2	7/21/09	0	11/3/09	0.1	1/26/10	0.2	4/20/10	0
			O_2	7/21/09	21.2	11/3/09	20.9	1/26/10	21	4/20/10	22.5
	13	13	CO_2	7/21/09	3	11/3/09	3.7	1/26/10	3.6	4/20/10	3.5
			O_2	7/21/09	16.4	11/3/09	17.4	1/26/10	18.5	4/20/10	18.8
	31	31	CO_2	7/21/09	2	11/3/09	3.7	1/26/10	3.7	4/20/10	4
			O_2	7/21/09	16.8	11/3/09	16.1	1/26/10	18	4/20/10	17.9
	46	46	CO_2	7/21/09	2.2	11/3/09	3.6	1/26/10	4	4/20/10	4
			O_2	7/21/09	16.9	11/3/09	15.8	1/26/10	17.6	4/20/10	17.7
	86	86	CO_2	7/21/09	2.2	11/3/09	3.5	1/26/10	1	4/20/10	3.6
			O_2	7/21/09	16.8	11/3/09	15.8	1/26/10	21	4/20/10	18.3
54-24238	Ambient	Ambient	CO_2	7/21/09	0.5	11/3/09	0	2/19/10	0	4/21/10	0
			O_2	7/21/09	19.5	11/3/09	21	2/19/10	21.8	4/21/10	21.3

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24238 (cont.)	44	43–45	CO_2	7/21/09	3.1	11/3/09	4.4	2/19/10	0	4/21/10	3.5
			O_2	7/21/09	16.2	11/3/09	14.9	2/19/10	21.1	4/21/10	17.9
	64	63–65	CO_2	7/21/09	2.3	11/3/09	3.1	2/19/10	3.4	4/21/10	3.7
			O_2	7/21/09	17.1	11/3/09	16.2	2/19/10	17	4/21/10	17.7
	84	83–85	CO_2	7/21/09	2	11/3/09	3.1	2/19/10	3.2	4/21/10	2.9
			O_2	7/21/09	17.7	11/3/09	16.2	2/19/10	17.5	4/21/10	18.3
54-24239	Ambient	Ambient	CO_2	7/17/09	0	11/2/09	0	2/12/10	0	4/19/10	0
			O_2	7/17/09	21.1	11/2/09	20.9	2/12/10	21.5	4/19/10	21.6
	25	24–26	CO_2	7/17/09	0.6	11/2/09	1.5	2/12/10	1.5	4/19/10	1.9
			O_2	7/17/09	19.4	11/2/09	19.1	2/12/10	20.5	4/19/10	20.5
	50	49–51	CO_2	7/17/09	0.6	11/2/09	1.5	2/12/10	1.7	4/19/10	2
			O_2	7/17/09	19.3	11/2/09	18.7	2/12/10	20.2	4/19/10	20.2
	75	74–76	CO_2	7/17/09	0.6	11/2/09	1.4	2/12/10	1.7	4/19/10	1.9
			O_2	7/17/09	19.3	11/2/09	18.6	2/12/10	20.3	4/19/10	20.2
	99.5	98.5–100.5	CO_2	7/17/09	0.6	11/2/09	1.3	2/12/10	1.2	4/19/10	1.3
			O_2	7/17/09	19.2	11/2/09	18.1	2/12/10	20.8	4/19/10	20.4
54-24240	Ambient	Ambient	CO_2	7/17/09	0	11/2/09	0	2/12/10	0	4/19/10	0
			O_2	7/17/09	20.8	11/2/09	18.6	2/12/10	21.4	4/19/10	21.3
	28	27–29	CO_2	7/17/09	1.6	11/2/09	1.9	2/12/10	2.1	4/19/10	2.5
			O_2	7/17/09	18	11/2/09	15.2	2/12/10	19.6	4/19/10	19.3
	53	52–54	CO_2	7/17/09	1.4	11/2/09	1.9	2/12/10	2.5	4/19/10	2.5
			O_2	7/17/09	18.2	11/2/09	14.8	2/12/10	19.4	4/19/10	19.1
	78	77–79	CO_2	7/17/09	0.7	11/2/09	1.5	2/12/10	2	4/19/10	2.1
			O_2	7/17/09	19.1	11/2/09	15.6	2/12/10	19.9	4/19/10	19.4
	103	102–104	CO_2	7/17/09	0.6	11/2/09	1.1	2/12/10	1.5	4/19/10	1.7

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24240 (cont.)	103	102–104	O_2	7/17/09	19.1	11/2/09	16.2	2/12/10	20.3	4/19/10	19.9
	128	127–129	CO_2	7/17/09	0.2	11/2/09	0.7	2/12/10	1.3	4/19/10	1.5
			O_2	7/17/09	20.2	11/2/09	17.1	2/12/10	20.5	4/19/10	20.2
	153	152–154	CO_2	7/17/09	0.4	11/2/09	0.6	2/12/10	1	4/19/10	1.3
			O_2	7/17/09	19.8	11/2/09	17.8	2/12/10	20.8	4/19/10	20.2
54-24241	Ambient	Ambient	CO_2	7/20/09	0	11/2/09	0	2/11/10	0	4/20/10	0
			O_2	7/20/09	21.2	11/2/09	20.4	2/11/10	21.4	4/20/10	21.3
	73	71–74	CO_2	7/20/09	1.5	11/2/09	1.8	2/11/10	1	4/20/10	2.4
			O_2	7/20/09	18.3	11/2/09	17.4	2/11/10	20.2	4/20/10	19
	93	92–94	CO_2	7/20/09	1.2	11/2/09	1.5	2/11/10	1.2	4/20/10	2.2
			O_2	7/20/09	18.4	11/2/09	17.9	2/11/10	20.1	4/20/10	19.3
	113	112–114	CO_2	7/20/09	0.5	11/2/09	1.4	2/11/10	1.6	4/20/10	1
			O_2	7/20/09	19	11/2/09	17.9	2/11/10	19.7	4/20/10	20.3
	133	132–134	CO_2	7/20/09	0.7	11/2/09	0.7	2/11/10	1.2	4/20/10	1.6
			O_2	7/20/09	18.9	11/2/09	19.1	2/11/10	20.2	4/20/10	19.9
	153	152–154	CO_2	7/20/09	0.6	11/2/09	0.8	2/11/10	1	4/20/10	1.4
			O_2	7/20/09	18.9	11/2/09	19.1	2/11/10	20.4	4/20/10	19.9
	173	172–174	CO_2	7/20/09	0.5	11/2/09	0.8	2/11/10	1	4/20/10	0.7
			O_2	7/20/09	18.7	11/2/09	19.1	2/11/10	20.5	4/20/10	20.7
	193	192–194	CO_2	7/20/09	0.5	11/2/09	1.1	2/11/10	1.1	4/20/10	1.4
			O_2	7/20/09	18.7	11/2/09	18.8	2/11/10	20.4	4/20/10	20.2
54-24242	Ambient	Ambient	CO_2	7/16/09	0	11/2/09	0	2/12/10	0	4/20/10	0
			O_2	7/16/09	21.1	11/2/09	21.2	2/12/10	21.5	4/20/10	21.7
	25	24–26	CO_2	7/16/09	0.6	11/2/09	1.4	2/12/10	1.3	4/20/10	1.5
			O_2	7/16/09	19.5	11/2/09	18.8	2/12/10	20.2	4/20/10	20.6

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24242 (cont.)	50	49–51	CO_2	7/16/09	0.6	11/2/09	1.2	2/12/10	1.2	4/20/10	1.9
			O_2	7/16/09	19.1	11/2/09	18.6	2/12/10	20.7	4/20/10	20.4
	75	74–76	CO_2	7/16/09	0.7	11/2/09	1.3	2/12/10	1.3	4/20/10	1.9
			O_2	7/16/09	19.1	11/2/09	18.1	2/12/10	20.5	4/20/10	20.5
	100	99–101	CO_2	7/16/09	0.6	11/2/09	1.3	2/12/10	1.6	4/20/10	1.7
			O_2	7/16/09	19.1	11/2/09	18.2	2/12/10	20.3	4/20/10	21
	110.5	109.5–111.5	CO_2	7/16/09	0.6	11/2/09	0.9	2/12/10	0.9	4/20/10	1.9
			O_2	7/16/09	19	11/2/09	18.7	2/12/10	20.9	4/20/10	20.4
54-24243	Ambient	Ambient	CO_2	7/23/09	0	11/12/09	0.1	2/10/10	0	4/26/10	0
			O_2	7/23/09	20.8	11/12/09	20.6	2/10/10	21.2	4/26/10	21.4
	25	24–26	CO_2	7/23/09	1	11/12/09	2	2/10/10	1.9	4/26/10	2
			O_2	7/23/09	18.5	11/12/09	18.6	2/10/10	19.5	4/26/10	19.7
	50	49–51	CO_2	7/23/09	1.4	11/12/09	2.5	2/10/10	2.6	4/26/10	2.3
			O_2	7/23/09	18.4	11/12/09	17.7	2/10/10	18.4	4/26/10	19.3
	75	74–76	CO_2	7/23/09	0	11/12/09	2.2	2/10/10	2.5	4/26/10	1.9
			O_2	7/23/09	20.6	11/12/09	17.7	2/10/10	18.6	4/26/10	19.5
	100	99–101	CO_2	7/23/09	0	11/12/09	1.9	2/10/10	2.3	4/26/10	0.9
			O_2	7/23/09	20.8	11/12/09	18.1	2/10/10	18.9	4/26/10	20.4
	125	124–126	CO_2	7/23/09	0.8	11/12/09	1.8	2/10/10	2	4/26/10	0
			O_2	7/23/09	18.9	11/12/09	18.5	2/10/10	19.1	4/26/10	21.3
54-24399	Ambient	Ambient	CO_2	8/12/09	0	12/7/09	0	3/2/10	0	4/21/10	0
			O_2	8/12/09	21.2	12/7/09	20.1	3/2/10	21.5	4/21/10	21.5
	550	550–608	CO_2	8/12/09	0	12/7/09	0.2	3/2/10	0	4/21/10	0.2
			O_2	8/12/09	20.7	12/7/09	19.8	3/2/10	21.1	4/21/10	21.5
54-27641	Ambient	Ambient	CO_2	8/17/09	0	11/3/09	0.1	2/12/10	0	4/16/10	0

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-27641 (cont.)	Ambient	Ambient	O_2	8/17/09	21.2	11/3/09	20.6	2/12/10	21.5	4/16/10	22.3
	32	29.5–34.5	CO_2	8/17/09	0.8	11/3/09	1.9	2/12/10	1.6	4/16/10	1.7
			O_2	8/17/09	19.3	11/3/09	18.8	2/12/10	20.1	4/16/10	20.9
	82	79.5–84.5	CO_2	8/17/09	0.5	11/3/09	1.4	2/12/10	1.2	4/16/10	1.5
			O_2	8/17/09	19.8	11/3/09	19.2	2/12/10	20.4	4/16/10	20.9
	115	112.5–117.5	CO_2	8/17/09	0.5	11/3/09	1.2	2/12/10	0.6	4/16/10	0
			O_2	8/17/09	19.8	11/3/09	19.4	2/12/10	20.8	4/16/10	22
	182	179.5–184.5	CO_2	8/17/09	0.3	11/3/09	0.9	2/12/10	0.4	4/16/10	0.9
			O_2	8/17/09	19.9	11/3/09	19.6	2/12/10	21.1	4/16/10	21.2
	232	229.5–234.5	CO_2	8/17/09	0.2	11/3/09	0.7	2/12/10	0.2	4/16/10	0.8
			O_2	8/17/09	19.9	11/3/09	19.7	2/12/10	21.4	4/16/10	21.2
	271	268.5–273.5	CO_2	8/17/09	0.1	11/3/09	0.6	2/12/10	0	4/16/10	0.6
			O_2	8/17/09	20	11/3/09	20	2/12/10	21.6	4/16/10	21.3
	332.5	330–335	CO_2	8/17/09	0	11/3/09	0.2	2/12/10	0	4/16/10	0.4
			O_2	8/17/09	20.2	11/3/09	20.1	2/12/10	21.6	4/16/10	21.6
54-27642	Ambient	Ambient	CO_2	7/21/09	0	11/9/09	0.1	1/26/10	0	4/16/10	0
			O_2	7/21/09	21.1	11/9/09	20.5	1/26/10	20.3	4/16/10	22.3
	30	27.5–32.5	CO_2	7/21/09	1.7	11/9/09	2.5	1/26/10	2.3	4/16/10	2.6
			O_2	7/21/09	18.2	11/9/09	17.8	1/26/10	19.1	4/16/10	19.5
	75	71.5–76.5	CO_2	7/21/09	1.3	11/9/09	0.1	1/26/10	1.7	4/16/10	2.4
			O_2	7/21/09	18.8	11/9/09	20.5	1/26/10	19.8	4/16/10	20
	116	114.5–119.5	CO_2	7/21/09	1.9	11/9/09	2.8	1/26/10	3.2	4/16/10	3.1
			O_2	7/21/09	17.9	11/9/09	17.1	1/26/10	17.6	4/16/10	18.9
	175	172.5–177.5	CO_2	7/21/09	0.6	11/9/09	1.2	1/26/10	1.7	4/16/10	1.4
			O_2	7/21/09	19.4	11/9/09	19.2	1/26/10	19.2	4/16/10	21

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-27642 (cont.)	235	232.5–237.5	CO_2	7/21/09	0.4	11/9/09	0.9	1/26/10	1.3	4/16/10	1.1
			O_2	7/21/09	19.9	11/9/09	19.3	1/26/10	19.6	4/16/10	21.5
	275	272.5–277.5	CO_2	7/21/09	0.2	11/9/09	0.6	1/26/10	0.9	4/16/10	0.8
			O_2	7/21/09	20.1	11/9/09	19.6	1/26/10	19.8	4/16/10	21.9
	338	335.5–340.5	CO_2	7/21/09	0	11/9/09	0.4	1/26/10	0.5	4/16/10	0.4
			O_2	7/21/09	20.8	11/9/09	20	1/26/10	20.2	4/16/10	22.4
54-27643	Ambient	Ambient	CO_2	7/23/09	0	11/10/09	0	2/9/10	0.3	4/26/10	0
			O_2	7/23/09	21	11/10/09	17.1	2/9/10	21.1	4/26/10	23.3
	30	27.5–32.5	CO_2	7/23/09	0.5	11/10/09	1.1	2/9/10	1	4/26/10	1
			O_2	7/23/09	20	11/10/09	16.9	2/9/10	20.2	4/26/10	22
	74	71.5–76.5	CO_2	7/23/09	0.5	11/10/09	0.9	2/9/10	1.4	4/26/10	1.2
			O_2	7/23/09	19.8	11/10/09	15.8	2/9/10	20	4/26/10	21.8
	117	114.5–119.5	CO_2	7/23/09	0.4	11/10/09	0.7	2/9/10	1	4/26/10	1.2
			O_2	7/23/09	19.8	11/10/09	16.2	2/9/10	20.1	4/26/10	21.5
	167	164.5–169.5	CO_2	7/23/09	0.3	11/10/09	0.6	2/9/10	0.9	4/26/10	1
			O_2	7/23/09	19.8	11/10/09	16.6	2/9/10	20.4	4/26/10	21.5
	235	232.5–237.5	CO_2	7/23/09	0.2	11/10/09	0.5	2/9/10	0	4/26/10	0.8
			O_2	7/23/09	19.8	11/10/09	17.8	2/9/10	21.1	4/26/10	21.7
	275	272.5–277.5	CO_2	7/23/09	0.1	11/10/09	0.5	2/9/10	0	4/26/10	0.7
			O_2	7/23/09	19.9	11/10/09	18.8	2/9/10	21	4/26/10	21.7
	354	351.5–356.5	CO_2	7/23/09	0	11/10/09	0.3	2/9/10	0	4/26/10	0.4
			O_2	7/23/09	20.1	11/10/09	19.3	2/9/10	21.1	4/26/10	21.7
54-610786	Ambient	Ambient	CO_2	NS	NS	12/22/09	0	2/5/10	0	4/26/10	0
			O_2	NS	NS	12/22/09	20.1	2/5/10	21.5	4/26/10	22.2
	25	22.5–27.5	CO_2	NS	NS	12/22/09	1.1	2/5/10	0.8	4/26/10	1.2

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-610786	25	22.5–27.5	O_2	NS	NS	12/22/09	20	2/5/10	20.7	4/26/10	21
(cont.)	50	47.5–52.5	CO_2	NS	NS	12/22/09	1.3	2/5/10	1.5	4/26/10	1.5
			O_2	NS	NS	12/22/09	19.2	2/5/10	20.3	4/26/10	20.5
	75	72.5–77.5	CO_2	NS	NS	12/22/09	0	2/5/10	1.4	4/26/10	1.4
			O_2	NS	NS	12/22/09	18.8	2/5/10	20.6	4/26/10	20.6
	100	97.5–102.5	CO_2	NS	NS	12/22/09	0	2/5/10	1.2	4/26/10	1.3
			O_2	NS	NS	12/22/09	19.1	2/5/10	20.7	4/26/10	20.8
	118.5	116–121	CO_2	NS	NS	12/22/09	0.4	2/5/10	1	4/26/10	1.2
			O_2	NS	NS	12/22/09	19.2	2/5/10	20.7	4/26/10	21.2

[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 a B&K Multigas Analyzer at MDA L during the Last Four Quarters

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015	Ambient	Ambient	CO_2 (µg/m^3)	8/4/09	832,000	11/17/09	891,000	NS[a]	NS	5/4/10	802,000
			Freon-11 (µg/m^3)	8/4/09	-137	11/17/09	130	NS	NS	5/4/10	-57
			H_2O (µg/m^3)[b]	8/4/09	8,570,000	11/17/09	5,270,000	NS	NS	5/4/10	52.9
			PCE (µg/m^3)	8/4/09	1400	11/17/09	4630	NS	NS	5/4/10	1340
			Pressure differential (kPa)	8/4/09	0	11/17/09	0	NS	NS	5/4/10	0
			TCA (µg/m^3)	8/4/09	447	11/17/09	2690	NS	NS	5/4/10	437
			TCE (µg/m^3)	8/4/09	1310	11/17/09	1960	NS	NS	5/4/10	580
	37.6	36–46	CO_2 (µg/m^3)	8/4/09	3,520,000	11/17/09	3,390,000	NS	NS	5/4/10	2,960,000
			Freon-11 (µg/m^3)	8/4/09	230	11/17/09	-423	NS	NS	5/4/10	225
			H_2O (µg/m^3)	8/4/09	10,900,000	11/17/09	10,400,000	NS	NS	5/4/10	48.8[b]
			PCE (µg/m^3)	8/4/09	2660	11/17/09	5050	NS	NS	5/4/10	3240
			Pressure differential (kPa)	8/4/09	-0.05	11/17/09	0.05	NS	NS	5/4/10	0
			TCA (µg/m^3)	8/4/09	9910	11/17/09	-3000	NS	NS	5/4/10	13,100
			TCE (µg/m^3)	8/4/09	3790	11/17/09	8120	NS	NS	5/4/10	1290
	165.4	182–192	CO_2 (µg/m^3)	8/4/09	4,600,000	11/17/09	2,980,000	NS	NS	5/4/10	2,890,000
			Freon-11 (µg/m^3)	8/4/09	873	11/17/09	1930	NS	NS	5/4/10	564
			H_2O (µg/m^3)	8/4/09	12,100,000	11/17/09	11,300,000	NS	NS	5/4/10	52.2[b]
			PCE (µg/m^3)	8/4/09	7670	11/17/09	7350	NS	NS	5/4/10	5100
			Pressure differential (kPa)	8/4/09	-0.07	11/17/09	-0.2	NS	NS	5/4/10	-0.3
			TCA (µg/m^3)	8/4/09	19,000	11/17/09	-3800	NS	NS	5/4/10	11,300
			TCE (µg/m^3)	8/4/09	9250	11/17/09	473	NS	NS	5/4/10	3580

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015 (cont.)	308.3	340–352	CO_2 (µg/m^3)	8/4/09	3,880,000	11/17/09	3,860,000	NS	NS	5/4/10	3,430,000
			Freon-11 (µg/m^3)	8/4/09	-1300	11/17/09	-418	NS	NS	5/4/10	368
			H_2O (µg/m^3)	8/4/09	12,100,000	11/17/09	12,300,000	NS	NS	5/4/10	55.4[b]
			PCE (µg/m^3)	8/4/09	845	11/17/09	5610	NS	NS	5/4/10	11,400
			Pressure differential (kPa)	8/4/09	0	11/17/09	0	NS	NS	5/4/10	0
			TCA (µg/m^3)	8/4/09	2220	11/17/09	-7300	NS	NS	5/4/10	5760
			TCE (µg/m^3)	8/4/09	7960	11/17/09	9240	NS	NS	5/4/10	4550
	333.3	375–385	CO_2 (µg/m^3)	8/4/09	2,300,000	11/17/09	3,090,000	NS	NS	5/4/10	2,510,000
			Freon-11 (µg/m^3)	8/4/09	-228	11/17/09	-281	NS	NS	5/4/10	-477
			H_2O (µg/m^3)	8/4/09	11,900,000	11/17/09	14,600,000	NS	NS	5/4/10	52.8[b]
			PCE (µg/m^3)	8/4/09	222	11/17/09	3410	NS	NS	5/4/10	568
			Pressure differential (kPa)	8/4/09	-0.02	11/17/09	0	NS	NS	5/4/10	0.14
			TCA (µg/m^3)	8/4/09	2440	11/17/09	-5700	NS	NS	5/4/10	4100
			TCE (µg/m^3)	8/4/09	2310	11/17/09	4000	NS	NS	5/4/10	1930
	377.7	425–435	CO_2 (µg/m^3)	8/4/09	2,090,000	11/17/09	3,030,000	NS	NS	5/4/10	2,620,000
			Freon-11 (µg/m^3)	8/4/09	-116	11/17/09	-162	NS	NS	5/4/10	-568
			H_2O (µg/m^3)	8/4/09	11,900,000	11/17/09	13,900,000	NS	NS	5/4/10	53.0[b]
			PCE (µg/m^3)	8/4/09	1410	11/17/09	2570	NS	NS	5/4/10	455
			Pressure differential (kPa)	8/4/09	-0.02	11/17/09	0	NS	NS	5/4/10	0.02
			TCA (µg/m^3)	8/4/09	3230	11/17/09	-5400	NS	NS	5/4/10	6080
			TCE (µg/m^3)	8/4/09	1750	11/17/09	3060	NS	NS	5/4/10	1520
	426.5	480–490	CO_2 (µg/m^3)	8/4/09	1,960,000	11/17/09	2,630,000	NS	NS	5/4/10	2,140,000
			Freon-11 (µg/m^3)	8/4/09	203	11/17/09	-109	NS	NS	5/4/10	-253
			H_2O (µg/m^3)	8/4/09	12,000,000	11/17/09	13,200,000	NS	NS	5/4/10	52.6[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015 (cont.)	426.5	480–490	PCE (µg/m^3)	8/4/09	1470	11/17/09	2270	NS	NS	5/4/10	2060
			Pressure differential (kPa)	8/4/09	0	11/17/09	0	NS	NS	5/4/10	0.08
			TCA (µg/m^3)	8/4/09	6080	11/17/09	-4500	NS	NS	5/4/10	5330
			TCE (µg/m^3)	8/4/09	2080	11/17/09	2580	NS	NS	5/4/10	1080
	462.1	520–530	CO_2 (µg/m^3)	8/4/09	2,320,000	11/17/09	2,460,000	NS	NS	5/4/10	2,230,000
			Freon-11 (µg/m^3)	8/4/09	185	11/17/09	-281	NS	NS	5/4/10	-384
			H_2O (µg/m^3)	8/4/09	14,400,000	11/17/09	10,700,000	NS	NS	5/4/10	58.3[b]
			PCE (µg/m^3)	8/4/09	1820	11/17/09	2210	NS	NS	5/4/10	1640
			Pressure differential (kPa)	8/4/09	0	11/17/09	0	NS	NS	5/4/10	0
			TCA (µg/m^3)	8/4/09	3860	11/17/09	-3200	NS	NS	5/4/10	5760
			TCE (µg/m^3)	8/4/09	56.7	11/17/09	2550	NS	NS	5/4/10	17,100
54-01016	Ambient	Ambient	CO_2 (µg/m^3)	8/4/09	821,000	11/17/09	980,000	2/1/10	962,000[c]	5/5/10	796,000
			Freon-11 (µg/m^3)	8/4/09	63.5	11/17/09	190	2/1/10	204[c]	5/5/10	-83
			H_2O (µg/m^3)	8/4/09	7,640,000	11/17/09	4,950,000	2/1/10	4,500,000[c]	5/5/10	5,880,000
			PCE (µg/m^3)	8/4/09	1030	11/17/09	1790	2/1/10	4640[c]	5/5/10	1210
			Pressure differential (kPa)	8/4/09	0	11/17/09	0	2/1/10	NS[c]	5/5/10	0
			TCA (µg/m^3)	8/4/09	-1700	11/17/09	-2800	2/1/10	-3700[c]	5/5/10	666,000
			TCE (µg/m^3)	8/4/09	696	11/17/09	4270	2/1/10	2910[c]	5/5/10	1810
	30.8	30–40	CO_2 (µg/m^3)	8/4/09	5,120,000	11/17/09	5,310,000	2/1/10	923,000[c]	5/5/10	4,110,000
			Freon-11 (µg/m^3)	8/4/09	1400	11/17/09	2160	2/1/10	130[c]	5/5/10	1810
			H_2O (µg/m^3)	8/4/09	10,900,000	11/17/09	10,900,000	2/1/10	4,980,000[c]	5/5/10	11,300,000
			PCE (µg/m^3)	8/4/09	10,300	11/17/09	13,700	2/1/10	3930[c]	5/5/10	11,600
			Pressure differential (kPa)	8/4/09	-0.02	11/17/09	0	2/1/10	0[c]	5/5/10	-0.1

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01016 (cont.)	30.8	30–40	TCA (µg/m^3)	8/4/09	27,600	11/17/09	-5500	2/1/10	-3600[c]	5/5/10	10,700
			TCE (µg/m^3)	8/4/09	9010	11/17/09	10,500	2/1/10	2250[c]	5/5/10	6580
	162.2	178–190	CO_2 (µg/m^3)	8/4/09	8,570,000	11/17/09	8,820,000	2/1/10	926,000[c]	5/5/10	8,040,000
			Freon-11 (µg/m^3)	8/4/09	16,100	11/17/09	20,500	2/1/10	41.4[c]	5/5/10	18,700
			H_2O (µg/m^3)	8/4/09	12,200,000	11/17/09	14,000,000	2/1/10	5,040,000[c]	5/5/10	22,400,000
			PCE (µg/m^3)	8/4/09	81,300	11/17/09	83,100	2/1/10	3160[c]	5/5/10	81,900
			Pressure differential (kPa)	8/4/09	0	11/17/09	0	2/1/10	0[c]	5/5/10	0
			TCA (µg/m^3)	8/4/09	149,000	11/17/09	92,500	2/1/10	-2900[c]	5/5/10	134,000
			TCE (µg/m^3)	8/4/09	57,000	11/17/09	47,200	2/1/10	2870[c]	5/5/10	43,600
	274.7	318–324	CO_2 (µg/m^3)	8/4/09	4,140,000	11/17/09	4,170,000	2/1/10	896,000[c]	5/5/10	4,000,000
			Freon-11 (µg/m^3)	8/4/09	1570	11/17/09	2340	2/1/10	142[c]	5/5/10	3490
			H_2O (µg/m^3)	8/4/09	11,900,000	11/17/09	15,100,000	2/1/10	4,780,000[c]	5/5/10	18,100,000
			PCE (µg/m^3)	8/4/09	10,300	11/17/09	15,000	2/1/10	3670[c]	5/5/10	16,400
			Pressure differential (kPa)	8/4/09	0	11/17/09	0	2/1/10	0[c]	5/5/10	0
			TCA (µg/m^3)	8/4/09	14,800	11/17/09	-11,000	2/1/10	-3000[c]	5/5/10	4500
			TCE (µg/m^3)	8/4/09	13,300	11/17/09	9240	2/1/10	2340[c]	5/5/10	5940
	336.3	386–396	CO_2 (µg/m^3)	8/4/09	961,000[d]	11/17/09	1,190,000	2/1/10	907,000[c]	5/5/10	1,430,000
			Freon-11 (µg/m^3)	8/4/09	-357[d]	11/17/09	-821	2/1/10	93.6[c]	5/5/10	-437
			H_2O (µg/m^3)	8/4/09	11,734,000[d]	11/17/09	16,300,000	2/1/10	4,980,000[c]	5/5/10	22,300,000
			PCE (µg/m^3)	8/4/09	9200[d]	11/17/09	2250	2/1/10	3280[c]	5/5/10	691
			Pressure differential (kPa)	8/4/09	0[d]	11/17/09	0	2/1/10	0[c]	5/5/10	0
			TCA (µg/m^3)	8/4/09	797[d]	11/17/09	-6900	2/1/10	-2700[c]	5/5/10	-551
			TCE (µg/m^3)	8/4/09	11,600[d]	11/17/09	5730	2/1/10	2180[c]	5/5/10	1570

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01016 (cont.)	414.3	473–483	CO_2 (µg/m^3)	NS	NS	NS	NS	2/1/10	914,000[c]	5/5/10	880,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	2/1/10	108[c]	5/5/10	376
			H_2O (µg/m^3)	NS	NS	NS	NS	2/1/10	4,870,000c	5/5/10	9,630,000
			PCE (µg/m^3)	NS	NS	NS	NS	2/1/10	2970[c]	5/5/10	1400
			Pressure differential (kPa)	8/4/09	0[e]	11/17/09	0[e]	2/1/10	0[c]	5/5/10	0
			TCA (µg/m^3)	NS	NS	NS	NS	2/1/10	-2900[c]	5/5/10	308
			TCE (µg/m^3)	NS	NS	NS	NS	2/1/10	2080[c]	5/5/10	-133
	459.5	530–540	CO_2 (µg/m^3)	NS	NS	11/17/09	762,000[d]	2/1/10	893,000[c]	5/5/10	865,000
			Freon-11 (µg/m^3)	NS	NS	11/17/09	-2.7[d]	2/1/10	89.2[c]	5/5/10	65,800
			H_2O (µg/m^3)	NS	NS	11/17/09	6,940,000[d]	2/1/10	4,790,000[c]	5/5/10	7,650,000
			PCE (µg/m^3)	NS	NS	11/17/09	2520[d]	2/1/10	2190[c]	5/5/10	984
			Pressure differential (kPa)	8/4/09	0[e]	11/17/09	0[d]	2/1/10	0[c]	5/5/10	0
			TCA (µg/m^3)	NS	NS	11/17/09	-3200[d]	2/1/10	-1800[c]	5/5/10	840,000
			TCE (µg/m^3)	NS	NS	11/17/09	2580[d]	2/1/10	2380[c]	5/5/10	748
	517.6	592–602	CO_2 (µg/m^3)	8/4/09	881,000[d]	11/17/09	1,010,000	2/1/10	965,000[c]	5/5/10	919,000
			Freon-11 (µg/m^3)	8/4/09	87.3[d]	11/17/09	87.5	2/1/10	19.3[c]	5/5/10	961,000
			H_2O (µg/m^3)	8/4/09	9,550,000[d]	11/17/09	7,500,000	2/1/10	5,120,000[c]	5/5/10	21,000,000
			PCE (µg/m^3)	8/4/09	-446[d]	11/17/09	3700	2/1/10	2440[c]	5/5/10	2280
			Pressure differential (kPa)	8/4/09	0[d]	11/17/09	0	2/1/10	0[c]	5/5/10	0
			TCA (µg/m^3)	8/4/09	1060[d]	11/17/09	-1500	2/1/10	-2800[c]	5/5/10	1430
			TCE (µg/m^3)	8/4/09	1590[d]	11/17/09	3130	2/1/10	2010[c]	5/5/10	838
54-02001	Ambient	Ambient	CO_2 (µg/m^3)	8/18/09	820,000	10/27/09	956,000	1/28/10	1,020,000	4/5/10	927,000
			Freon-11 (µg/m^3)	8/18/09	-754	10/27/09	1340	1/28/10	11	4/5/10	-1400
			H_2O (µg/m^3)	8/18/09	10,400,000	10/27/09	6,110,000	1/28/10	7,520,000	4/5/10	31.0[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001 (cont.)	Ambient	Ambient	PCE (µg/m^3)	8/18/09	1780	10/27/09	-5800	1/28/10	3420	4/5/10	-2600
			Pressure differential (kPa)	8/18/09	0	10/27/09	0	1/28/10	0	4/5/10	0
			TCA (µg/m^3)	8/18/09	-2300	10/27/09	3900	1/28/10	-6100	4/5/10	-233
			TCE (µg/m^3)	8/18/09	3220	10/27/09	8690	1/28/10	2840	4/5/10	4160
	20	17.5–22.5	CO_2 (µg/m^3)	8/18/09	17,300,000	10/27/09	18,700,000	1/28/10	2,680,000	4/5/10	1,110,000
			Freon-11 (µg/m^3)	8/18/09	11,000	10/27/09	22,900	1/28/10	2060	4/5/10	14,400
			H_2O (µg/m^3)	8/18/09	14,200,000	10/27/09	13,600,000	1/28/10	7,500,000	4/5/10	73.3[b]
			PCE (µg/m^3)	8/18/09	172,000	10/27/09	159,000	1/28/10	21,900	4/5/10	888,000
			Pressure differential (kPa)	8/18/09	0	10/27/09	0.1	1/28/10	0	4/5/10	0.02
			TCA (µg/m^3)	8/18/09	852,000	10/27/09	717,000	1/28/10	65,800	4/5/10	763,000
			TCE (µg/m^3)	8/18/09	408,000	10/27/09	413,000	1/28/10	56,100	4/5/10	1,000,000
	40	37.5–42.5	CO_2 (µg/m^3)	8/18/09	16,500,000	10/27/09	17,500,000	1/28/10	8,690,000	4/5/10	2,380,000
			Freon-11 (µg/m^3)	8/18/09	16,300	10/27/09	22,300	1/28/10	10,700	4/5/10	2620
			H_2O (µg/m^3)	8/18/09	14,000,000	10/27/09	15,400,000	1/28/10	6,860,000	4/5/10	81.4[b]
			PCE (µg/m^3)	8/18/09	289,000	10/27/09	262,000	1/28/10	124,000	4/5/10	229,000
			Pressure differential (kPa)	8/18/09	-0.02	10/27/09	0	1/28/10	0	4/5/10	0
			TCA (µg/m^3)	8/18/09	1,310,000	10/27/09	1,170,000	1/28/10	479,000	4/5/10	109,000
			TCE (µg/m^3)	8/18/09	400,000	10/27/09	377,000	1/28/10	206,000	4/5/10	151,000
	60	57.5–62.5	CO_2 (µg/m^3)	8/18/09	5,610,000[f]	10/27/09	6,180,000	1/28/10	1,270,000	4/5/10	1,360,000
			Freon-11 (µg/m^3)	8/18/09	4860[f]	10/27/09	6430	1/28/10	838	4/5/10	158,000
			H_2O (µg/m^3)	8/18/09	17,900,000[f]	10/27/09	10,200,000	1/28/10	5,980,000	4/5/10	86.0[b]
			PCE (µg/m^3)	8/18/09	91,100[f]	10/27/09	85,600	1/28/10	9250	4/5/10	1,680,000
			Pressure differential (kPa)	8/18/09	0[f]	10/27/09	0.11	1/28/10	0.08	4/5/10	0.03

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001 (cont.)	60	57.5–62.5	TCA (µg/m^3)	8/18/09	390,000[f]	10/27/09	365,000	1/28/10	13,800	4/5/10	514,000
			TCE (µg/m^3)	8/18/09	103,000[f]	10/27/09	97,700	1/28/10	7930	4/5/10	-79,000
	80	77.5–82.5	CO_2 (µg/m^3)	8/18/09	15,900,000	10/27/09	15,000,000	1/28/10	1,110,000	4/5/10	1,600,000
			Freon-11 (µg/m^3)	8/18/09	15,700	10/27/09	19,200	1/28/10	-125	4/5/10	21,200
			H_2O (µg/m^3)	8/18/09	13,600,000	10/27/09	14,400,000	1/28/10	6,590,000	4/5/10	59.5[b]
			PCE (µg/m^3)	8/18/09	265,000	10/27/09	209,000	1/28/10	4390	4/5/10	264,000
			Pressure differential (kPa)	8/18/09	-0.06	10/27/09	0.36	1/28/10	0.07	4/5/10	0.02
			TCA (µg/m^3)	8/18/09	1,270,000	10/27/09	1,050,000	1/28/10	-2900	4/5/10	1,230,000
			TCE (µg/m^3)	8/18/09	283,000	10/27/09	249,000	1/28/10	3460	4/5/10	360,000
	100	97.5–102.5	CO_2 (µg/m^3)	8/18/09	9,430,000	10/27/09	12,500,000	1/28/10	1,020,000	4/5/10	7,070,000
			Freon-11 (µg/m^3)	8/18/09	7600	10/27/09	12,200	1/28/10	280	4/5/10	8310
			H_2O (µg/m^3)	8/18/09	12,300,000	10/27/09	12,800,000	1/28/10	5,920,000	4/5/10	57.5[b]
			PCE (µg/m^3)	8/18/09	140,000	10/27/09	149,000	1/28/10	5250	4/5/10	96,100
			Pressure differential (kPa)	8/18/09	-0.05	10/27/09	0.15	1/28/10	0.05	4/5/10	0.07
			TCA (µg/m^3)	8/18/09	723,000	10/27/09	843,000	1/28/10	1010	4/5/10	593,000
			TCE (µg/m^3)	8/18/09	161,000	10/27/09	188,000	1/28/10	3370	4/5/10	110,000
	120	117.5–122.5	CO_2 (µg/m^3)	8/18/09	12,900,000	10/27/09	12,500,000	1/28/10	959,000	4/5/10	823,000
			Freon-11 (µg/m^3)	8/18/09	12,100	10/27/09	14,100	1/28/10	78.7	4/5/10	305
			H_2O (µg/m^3)	8/18/09	14,800,000	10/27/09	12,900,000	1/28/10	6,530,000	4/5/10	56.4[b]
			PCE (µg/m^3)	8/18/09	131,000	10/27/09	136,000	1/28/10	3250	4/5/10	2510
			Pressure differential (kPa)	8/18/09	-0.09	10/27/09	0.85	1/28/10	-0.11	4/5/10	0.04
			TCA (µg/m^3)	8/18/09	999,000	10/27/09	850,000	1/28/10	-2000	4/5/10	3570
			TCE (µg/m^3)	8/18/09	193,000	10/27/09	163,000	1/28/10	2610	4/5/10	937

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001 (cont.)	140	137.5–142.5	CO_2 (µg/m^3)	8/18/09	13,900,000	10/27/09	12,600,000	1/28/10	965,000	4/5/10	907,000
			Freon-11 (µg/m^3)	8/18/09	12,300	10/27/09	14,200	1/28/10	635	4/5/10	-521
			H_2O (µg/m^3)	8/18/09	15,100,000	10/27/09	14,100,000	1/28/10	6,630,000	4/5/10	51.7[b]
			PCE (µg/m^3)	8/18/09	149,000	10/27/09	130,000	1/28/10	3560	4/5/10	-68
			Pressure differential (kPa)	8/18/09	-0.1	10/27/09	0.68	1/28/10	0.11	4/5/10	0.02
			TCA (µg/m^3)	8/18/09	1,080,000	10/27/09	883,000	1/28/10	-2400	4/5/10	3040
			TCE (µg/m^3)	8/18/09	209,000	10/27/09	175,000	1/28/10	1850	4/5/10	2260
	160	157.5–162.5	CO_2 (µg/m^3)	8/18/09	4,730,000	11/17/09	3,170,000[d]	1/28/10	963,000	4/5/10	916,000
			Freon-11 (µg/m^3)	8/18/09	3440	11/17/09	3330[d]	1/28/10	175	4/5/10	-126
			H_2O (µg/m^3)	8/18/09	14,600,000	11/17/09	7,820,000[d]	1/28/10	6,010,000	4/5/10	55.2[b]
			PCE (µg/m^3)	8/18/09	30,800	11/17/09	23,300[d]	1/28/10	2870	4/5/10	-831
			Pressure differential (kPa)	8/18/09	NS	11/17/09	-0.45[d]	1/28/10	0	4/5/10	0
			TCA (µg/m^3)	8/18/09	289,000	11/17/09	149,000[d]	1/28/10	-2600	4/5/10	3540
			TCE (µg/m^3)	8/18/09	58,500	11/17/09	35,200d	1/28/10	1930	4/5/10	-472
	180	177.5–182.5	CO_2 (µg/m^3)	NS	NS	NS	NS	NS	NS	4/5/10	783,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	NS	NS	4/5/10	264
			H_2O (µg/m^3)	NS	NS	NS	NS	NS	NS	4/5/10	56.9[b]
			PCE (µg/m^3)	NS	NS	NS	NS	NS	NS	4/5/10	1550
			Pressure differential (kPa)	8/18/09	0	10/27/09	0.09	1/28/10	0.03	4/5/10	0.03
			TCA (µg/m^3)	NS	NS	NS	NS	NS	NS	4/5/10	2870
			TCE (µg/m^3)	NS	NS	NS	NS	NS	NS	4/5/10	-129
	200	197.5–202.5	CO_2 (µg/m^3)	8/18/09	12,600,000	10/27/09	14,000,000	1/28/10	1,310,000	4/5/10	2,690,000
			Freon-11 (µg/m^3)	8/18/09	12,300	10/27/09	16,000	1/28/10	204	4/5/10	1650
			H_2O (µg/m^3)	8/18/09	15,500,000	10/27/09	16,000,000	1/28/10	6,210,000	4/5/10	58.1[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001 (cont.)	200	197.5–202.5	PCE (µg/m^3)	8/18/09	73,400	10/27/09	79,800	1/28/10	4070	4/5/10	17,900
			Pressure differential (kPa)	8/18/09	-0.07	10/27/09	1.04	1/28/10	0	4/5/10	0.04
			TCA (µg/m^3)	8/18/09	732,000	10/27/09	735,000	1/28/10	7700	4/5/10	107,000
			TCE (µg/m^3)	8/18/09	164,000	10/27/09	157,000	1/28/10	5370	4/5/10	66,200
54-02002	Ambient	Ambient	CO_2 (µg/m^3)	7/27/09	941,000	11/9/09	899,000	2/3/10	990,000	4/23/10	852,000
			Freon-11 (µg/m^3)	7/27/09	-703	11/9/09	-245	2/3/10	205	4/23/10	-150
			H_2O (µg/m^3)	7/27/09	11,500,000	11/9/09	8,130,000	2/3/10	6,270,000	4/23/10	39.5[b]
			PCE (µg/m^3)	7/27/09	1890	11/9/09	2350	2/3/10	4170	4/23/10	2650
			Pressure differential (kPa)	7/27/09	0	11/9/09	0	2/3/10	NS	4/23/10	0
			TCA (µg/m^3)	7/27/09	1270	11/9/09	-2000	2/3/10	-4800	4/23/10	-2300
			TCE (µg/m^3)	7/27/09	2840	11/9/09	2820	2/3/10	2810	4/23/10	2280
	20	17.5–22.5	CO_2 (µg/m^3)	7/27/09	13,100,000	11/9/09	2,280,000	2/3/10	1,030,000	4/23/10	1,110,000
			Freon-11 (µg/m^3)	7/27/09	1700	11/9/09	5630	2/3/10	576	4/23/10	1540
			H_2O (µg/m^3)	7/27/09	10,900,000	11/9/09	8,410,000	2/3/10	5,680,000	4/23/10	36.1[b]
			PCE (µg/m^3)	7/27/09	8840	11/9/09	34,200	2/3/10	5140	4/23/10	12,700
			Pressure differential (kPa)	7/27/09	0	11/9/09	0	2/3/10	0	4/23/10	0
			TCA (µg/m^3)	7/27/09	12,000	11/9/09	36,500	2/3/10	-2800	4/23/10	9490
			TCE (µg/m^3)	7/27/09	1680	11/9/09	5900	2/3/10	2860	4/23/10	2730
	40	37.5–42.5	CO_2 (µg/m^3)	7/27/09	18,700,000	11/9/09	19,800,000	2/3/10	6,390,000	4/23/10	18,600,000
			Freon-11 (µg/m^3)	7/27/09	65,800	11/9/09	80,900	2/3/10	27,800	4/23/10	85,700
			H_2O (µg/m^3)	7/27/09	14,000,000	11/9/09	14,700,000	2/3/10	6,080,000	4/23/10	50.9[b]
			PCE (µg/m^3)	7/27/09	354,000	11/9/09	341,000	2/3/10	141,000	4/23/10	383,000
			Pressure differential (kPa)	7/27/09	0	11/9/09	-0.2	2/3/10	0.15	4/23/10	0.37

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002 (cont.)	40	37.5–42.5	TCA (µg/m^3)	7/27/09	1,070,000	11/9/09	973,000	2/3/10	254,000	4/23/10	1,080,000
			TCE (µg/m^3)	7/27/09	203,000	11/9/09	193,000	2/3/10	61,700	4/23/10	169,000
	60	57.5–62.5	CO_2 (µg/m^3)	7/27/09	26,800,000	11/9/09	29,900,000	2/3/10	16,000,000	4/23/10	28,200,000
			Freon-11 (µg/m^3)	7/27/09	113,000	11/9/09	160,000	2/3/10	78,000	4/23/10	175,000
			H_2O (µg/m^3)	7/27/09	14,300,000	11/9/09	16,400,000	2/3/10	6,180,000	4/23/10	52.9[b]
			PCE (µg/m^3)	7/27/09	824,000	11/9/09	875,000	2/3/10	534,000	4/23/10	1,040,000
			Pressure differential (kPa)	7/27/09	0	11/9/09	0	2/3/10	0.07	4/23/10	0.03
			TCA (µg/m^3)	7/27/09	1,310,000	11/9/09	1,210,000	2/3/10	621,000	4/23/10	1,330,000
			TCE (µg/m^3)	7/27/09	172,000	11/9/09	136,000	2/3/10	51,600	4/23/10	106,000
	80	77.5–82.5	CO_2 (µg/m^3)	NS	NS	11/9/09	6,540,000	2/3/10	1,190,000	NS	NS
			Freon-11 (µg/m^3)	NS	NS	11/9/09	21,100	2/3/10	1220	NS	NS
			H_2O (µg/m^3)	NS	NS	11/9/09	11,400,000	2/3/10	5,630,000	NS	NS
			PCE (µg/m^3)	NS	NS	11/9/09	115,000	2/3/10	11,600	NS	NS
			Pressure differential (kPa)	NS	0[e]	11/9/09	0	2/3/10	0.06	4/23/10	0.03[e]
			TCA (µg/m^3)	NS	NS	11/9/09	245,000	2/3/10	12,900	NS	NS
			TCE (µg/m^3)	NS	NS	11/9/09	37,900	2/3/10	8270	NS	NS
	100	97.5–102.5	CO_2 (µg/m^3)	7/27/09	26,300,000	11/9/09	26,000,000	2/3/10	14,100,000	4/23/10	23,400,000
			Freon-11 (µg/m^3)	7/27/09	84,600	11/9/09	114,000	2/3/10	57,100	4/23/10	118,000
			H_2O (µg/m^3)	7/27/09	14,200,000	11/9/09	15,900,000	2/3/10	6,290,000	4/23/10	55.9[b]
			PCE (µg/m^3)	7/27/09	579,000	11/9/09	600,000	2/3/10	369,000	4/23/10	664,000
			Pressure differential (kPa)	7/27/09	0	11/9/09	-0.12	2/3/10	0.13	4/23/10	0.17
			TCA (µg/m^3)	7/27/09	1,360,000	11/9/09	1,280,000	2/3/10	649,000	4/23/10	1,320,000
			TCE (µg/m^3)	7/27/09	233,000	11/9/09	209,000	2/3/10	93,400	4/23/10	158,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002 (cont.)	120	117.5–122.5	CO_2 (µg/m^3)	7/27/09	11,600,000	11/9/09	18,500,000	2/3/10	1,100,000	4/23/10	14,800,000
			Freon-11 (µg/m^3)	7/27/09	34,600	11/9/09	70,400	2/3/10	1770	4/23/10	64,700
			H_2O (µg/m^3)	7/27/09	12,800,000	11/9/09	14,300,000	2/3/10	6,130,000	4/23/10	54.1[b]
			PCE (µg/m^3)	7/27/09	217,000	11/9/09	329,000	2/3/10	17,600	4/23/10	336,000
			Pressure differential (kPa)	7/27/09	0	11/9/09	-0.13	2/3/10	0.12	4/23/10	0.19
			TCA (µg/m^3)	7/27/09	606,000	11/9/09	873,000	2/3/10	37,100	4/23/10	811,000
			TCE (µg/m^3)	7/27/09	116,000	11/9/09	158,000	2/3/10	21,300	4/23/10	109,000
	140	137.5–142.5	CO_2 (µg/m^3)	7/27/09	9,740,000	11/9/09	11,800,000	2/3/10	1,060,000	4/23/10	8,260,000
			Freon-11 (µg/m^3)	7/27/09	27,400	11/9/09	46,000	2/3/10	1410	4/23/10	43,200
			H_2O (µg/m^3)	7/27/09	20,000,000	11/9/09	12,700,000	2/3/10	5,910,000	4/23/10	50.7[b]
			PCE (µg/m^3)	7/27/09	205,000	11/9/09	256,000	2/3/10	13,600	4/23/10	266,000
			Pressure differential (kPa)	7/27/09	0	11/9/09	-0.14	2/3/10	0.06	4/23/10	0
			TCA (µg/m^3)	7/27/09	327,000	11/9/09	339,000	2/3/10	13,400	4/23/10	299,000
			TCE (µg/m^3)	7/27/09	45,900	11/9/09	35,400	2/3/10	9450	4/23/10	25,900
	157	154.5–159.5	CO_2 (µg/m^3)	7/27/09	6,900,000	11/9/09	7,950,000	2/3/10	1,110,000	4/23/10	8,140,000
			Freon-11 (µg/m^3)	7/27/09	22,200	11/9/09	29,700	2/3/10	1580	4/23/10	35,300
			H_2O (µg/m^3)	7/27/09	11,200,000	11/9/09	11,800,000	2/3/10	6,130,000	4/23/10	51.5[b]
			PCE (µg/m^3)	7/27/09	120,000	11/9/09	123,000	2/3/10	13,800	4/23/10	158,000
			Pressure differential (kPa)	7/27/09	0	11/9/09	-0.19	2/3/10	0.25	4/23/10	0.52
			TCA (µg/m^3)	7/27/09	374,000	11/9/09	369,000	2/3/10	9400	4/23/10	459,000
			TCE (µg/m^3)	7/27/09	88,900	11/9/09	88,900	2/3/10	17,800	4/23/10	84,400
	180	177.5–182.5	CO_2 (µg/m^3)	7/27/09	17,300,000	11/9/09	22,300,000	2/3/10	1,060,000	NS	NS
			Freon-11 (µg/m^3)	7/27/09	55,700	11/9/09	88,900	2/3/10	1220	NS	NS
			H_2O (µg/m^3)	7/27/09	14,800,000	11/9/09	15,700,000	2/3/10	6,400,000	NS	NS

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002 (cont.)	180	177.5–182.5	PCE (µg/m^3)	7/27/09	336,000	11/9/09	415,000	2/3/10	13,000	NS	NS
			Pressure differential (kPa)	7/27/09	0	11/9/09	0	2/3/10	0	4/23/10	0[e]
			TCA (µg/m^3)	7/27/09	964,000	11/9/09	1,090,000	2/3/10	36,900	NS	NS
			TCE (µg/m^3)	7/27/09	182,000	11/9/09	201,000	2/3/10	14,200	NS	NS
	200	197.5–202.5	CO_2 (µg/m^3)	7/27/09	16,000,000	11/9/09	16,500,000	2/3/10	10,900,000	4/23/10	15,900,000
			Freon-11 (µg/m^3)	7/27/09	68,500	11/9/09	81,200	2/3/10	45,100	4/23/10	83,000
			H_2O (µg/m^3)	7/27/09	13,000,000	11/9/09	16,100,000	2/3/10	6,620,000	4/23/10	52.5[b]
			PCE (µg/m^3)	7/27/09	308,000	11/9/09	289,000	2/3/10	201,000	4/23/10	323,000
			Pressure differential (kPa)	7/27/09	0	11/9/09	-0.19	2/3/10	0.22	4/23/10	0.69
			TCA (µg/m^3)	7/27/09	883,000	11/9/09	791,000	2/3/10	437,000	4/23/10	892,000
			TCE (µg/m^3)	7/27/09	198,000	11/9/09	187,000	2/3/10	101,000	4/23/10	164,000
54-02016	Ambient	Ambient	CO_2 (µg/m^3)	7/21/09	861,000	11/3/09	1,490,000	1/26/10	913,000	4/20/10	914,000
			Freon-11 (µg/m^3)	7/21/09	1410	11/3/09	1510	1/26/10	480	4/20/10	603
			H_2O (µg/m^3)	7/21/09	11,000,000	11/3/09	8,280,000	1/26/10	5,370,000	4/20/10	49.1[b]
			PCE (µg/m^3)	7/21/09	4340	11/3/09	5400	1/26/10	2910	4/20/10	6770
			Pressure differential (kPa)	7/21/09	0	11/3/09	0	1/26/10	NS	4/20/10	0
			TCA (µg/m^3)	7/21/09	345	11/3/09	-5700	1/26/10	-3700	4/20/10	-3600
			TCE (µg/m^3)	7/21/09	-1900	11/3/09	1770	1/26/10	434	4/20/10	362
	18	15.5–20.5	CO_2 (µg/m^3)	NS	NS	NS	NS	NS	NS	NS	NS
			Freon-11 (µg/m^3)	NS	NS	NS	NS	NS	NS	NS	NS
			H_2O (µg/m^3)	NS	NS	NS	NS	NS	NS	NS	NS
			PCE (µg/m^3)	NS	NS	NS	NS	NS	NS	NS	NS
			Pressure differential (kPa)	7/21/09	0[e]	11/3/09	0.02[e]	1/26/10	0[e]	4/20/10	0[e]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02016 (cont.)	18	15.5–20.5	TCA (µg/m^3)	NS	NS	NS	NS	NS	NS	NS	NS
			TCE (µg/m^3)	NS	NS	NS	NS	NS	NS	NS	NS
	31	28.5–33.5	CO_2 (µg/m^3)	7/21/09	37,700,000	11/3/09	49,800,000	1/26/10	38,900,000	4/20/10	36,000,000
			Freon-11 (µg/m^3)	7/21/09	146,000	11/3/09	248,000	1/26/10	199,000	4/20/10	212,000
			H_2O (µg/m^3)	7/21/09	15,600,000	11/3/09	18,600,000	1/26/10	5,780,000	4/20/10	65.3[b]
			PCE (µg/m^3)	7/21/09	1,090,000	11/3/09	1,390,000	1/26/10	1,400,000	4/20/10	1,300,000
			Pressure differential (kPa)	7/21/09	-0.03	11/3/09	0.04	1/26/10	-0.03	4/20/10	0.04
			TCA (µg/m^3)	7/21/09	1,540,000	11/3/09	1,660,000	1/26/10	1,180,000	4/20/10	1,350,000
			TCE (µg/m^3)	7/21/09	192,000	11/3/09	165,000	1/26/10	37,400	4/20/10	71,600
	82	79.5–84.5	CO_2 (µg/m^3)	7/21/09	2,650,000	11/3/09	39,700,000	1/26/10	20,700,000	4/20/10	1,050,000
			Freon-11 (µg/m^3)	7/21/09	6190	11/3/09	182,000	1/26/10	105,000	4/20/10	-977,000
			H_2O (µg/m^3)	7/21/09	11,000,000	11/3/09	17,500,000	1/26/10	5,450,000	4/20/10	47.9[b]
			PCE (µg/m^3)	7/21/09	40,700	11/3/09	1,020,000	1/26/10	734,000	4/20/10	8600
			Pressure differential (kPa)	7/21/09	0	11/3/09	0.02	1/26/10	0	4/20/10	0
			TCA (µg/m^3)	7/21/09	43,200	11/3/09	960,000	1/26/10	383,000	4/20/10	1980
			TCE (µg/m^3)	7/21/09	-192	11/3/09	53,900	1/26/10	-43,000	4/20/10	1740
54-02020	Ambient	Ambient	CO_2 (µg/m^3)	8/3/09	792,000	11/16/09	928,000	2/2/10	1,150,000	4/29/10	838,000
			Freon-11 (µg/m^3)	8/3/09	95	11/16/09	-3.8	2/2/10	188	4/29/10	-200
			H_2O (µg/m^3)	8/3/09	9,710,000	11/16/09	5,050,000	2/2/10	4,080,000	4/29/10	34.8[b]
			PCE (µg/m^3)	8/3/09	1520	11/16/09	3490	2/2/10	4760	4/29/10	1690
			Pressure differential (kPa)	8/3/09	0	11/16/09	0	2/2/10	NS	4/29/10	0
			TCA (µg/m^3)	8/3/09	1290	11/16/09	-1900	2/2/10	-1100	4/29/10	-1500
			TCE (µg/m^3)	8/3/09	1480	11/16/09	3490	2/2/10	3360	4/29/10	1630

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020 (cont.)	20	10–30	CO_2 (µg/m^3)	8/3/09	10,400,000	11/16/09	10,300,000	2/2/10	9,720,000	4/29/10	8,320,000
			Freon-11 (µg/m^3)	8/3/09	7600	11/16/09	7730	2/2/10	8620	4/29/10	8260
			H_2O (µg/m^3)	8/3/09	12,300,000	11/16/09	10,000,000	2/2/10	7,430,000	4/29/10	44.7[b]
			PCE (µg/m^3)	8/3/09	36,200	11/16/09	33,000	2/2/10	41,500	4/29/10	36,400
			Pressure differential (kPa)	8/3/09	-0.03	11/16/09	0	2/2/10	0.06	4/29/10	0.04
			TCA (µg/m^3)	8/3/09	102,000	11/16/09	40,700	2/2/10	65,600	4/29/10	79,400
			TCE (µg/m^3)	8/3/09	18,000	11/16/09	20,300	2/2/10	18,000	4/29/10	171,000
	40	30–50	CO_2 (µg/m^3)	8/3/09	10,000,000	11/16/09	10,400,000	2/2/10	11,100,000	4/29/10	8,100,000
			Freon-11 (µg/m^3)	8/3/09	11,000	11/16/09	12,100	2/2/10	12,700	4/29/10	10,900
			H_2O (µg/m^3)	8/3/09	12,000,000	11/16/09	9,720,000	2/2/10	7,810,000	4/29/10	44.6[b]
			PCE (µg/m^3)	8/3/09	50,600	11/16/09	46,500	2/2/10	60,100	4/29/10	47,000
			Pressure differential (kPa)	8/3/09	0	11/16/09	-0.57	2/2/10	0.07	4/29/10	0.47
			TCA (µg/m^3)	8/3/09	154,000	11/16/09	91,700	2/2/10	119,000	4/29/10	120,000
			TCE (µg/m^3)	8/3/09	29,600	11/16/09	28,300	2/2/10	27,300	4/29/10	23,000
	60	50–70	CO_2 (µg/m^3)	8/3/09	4,810,000	11/16/09	10,400,000	2/2/10	11,500,000	4/29/10	8,550,000
			Freon-11 (µg/m^3)	8/3/09	11,300	11/16/09	14,900	2/2/10	14,600	4/29/10	13,400
			H_2O (µg/m^3)	8/3/09	11,100,000	11/16/09	8,950,000	2/2/10	8,170,000	4/29/10	43.3[b]
			PCE (µg/m^3)	8/3/09	51,900	11/16/09	57,700	2/2/10	72,800	4/29/10	56,200
			Pressure differential (kPa)	8/3/09	-0.11	11/16/09	-0.23	2/2/10	0.05	4/29/10	0.62
			TCA (µg/m^3)	8/3/09	128,000	11/16/09	122,000	2/2/10	155,000	4/29/10	151,000
			TCE (µg/m^3)	8/3/09	25,800	11/16/09	33,300	2/2/10	35,300	4/29/10	27,500
	80	70–90	CO_2 (µg/m^3)	8/3/09	10,200,000	11/16/09	9,010,000	2/2/10	11,400,000	4/29/10	8,930,000
			Freon-11 (µg/m^3)	8/3/09	15,200	11/16/09	14,500	2/2/10	17,500	4/29/10	15,900
			H_2O (µg/m^3)	8/3/09	12,100,000	11/16/09	9,740,000	2/2/10	9,000,000	4/29/10	44.9[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020 (cont.)	80	70–90	PCE (µg/m^3)	8/3/09	74,300	11/16/09	565,000	2/2/10	81,600	4/29/10	66,000
			Pressure differential (kPa)	8/3/09	-0.14	11/16/09	-0.38	2/2/10	0.02	4/29/10	0.82
			TCA (µg/m^3)	8/3/09	219,000	11/16/09	91,300	2/2/10	173,000	4/29/10	179,000
			TCE (µg/m^3)	8/3/09	43,900	11/16/09	31,200	2/2/10	37,300	4/29/10	31,700
	95	90–110	CO_2 (µg/m^3)	8/3/09	10,200,000	11/16/09	6,410,000	2/2/10	7,010,000[f]	4/29/10	6,080,000
			Freon-11 (µg/m^3)	8/3/09	16,500	11/16/09	11,200	2/2/10	17,900[f]	4/29/10	11,000
			H_2O (µg/m^3)	8/3/09	11,900,000	11/16/09	9,850,000	2/2/10	8,300,000[f]	4/29/10	43.7[b]
			PCE (µg/m^3)	8/3/09	78,900	11/16/09	43,900	2/2/10	81,700[f]	4/29/10	46,100
			Pressure differential (kPa)	8/3/09	-0.12	11/16/09	-0.29	2/2/10	0[f]	4/29/10	0.67
			TCA (µg/m^3)	8/3/09	238,000	11/16/09	87,200	2/2/10	91,000[f]	4/29/10	120,000
			TCE (µg/m^3)	8/3/09	47,200	11/16/09	25,300	2/2/10	37,400[f]	4/29/10	21,200
	120	110–130	CO_2 (µg/m^3)	8/3/09	9,650,000	11/16/09	7,320,000	2/2/10	7,940,000	4/29/10	3,690,000
			Freon-11 (µg/m^3)	8/3/09	18,000	11/16/09	15,000	2/2/10	19,200	4/29/10	7200
			H_2O (µg/m^3)	8/3/09	11,800,000	11/16/09	9,100,000	2/2/10	7,560,000	4/29/10	47.6[b]
			PCE (µg/m^3)	8/3/09	84,200	11/16/09	56,500	2/2/10	88,000	4/29/10	31,700
			Pressure differential (kPa)	8/3/09	-0.09	11/16/09	-0.29	2/2/10	0	4/29/10	0.6
			TCA (µg/m^3)	8/3/09	248,000	11/16/09	116,000	2/2/10	127,000	4/29/10	72,500
			TCE (µg/m^3)	8/3/09	51,100	11/16/09	30,700	2/2/10	38,600	4/29/10	15,000
	140	130–150	CO_2 (µg/m^3)	8/3/09	8,430,000	11/16/09	5,040,000	2/2/10	954,000	4/29/10	3,530,000
			Freon-11 (µg/m^3)	8/3/09	18,500	11/16/09	12,700	2/2/10	78.7	4/29/10	8260
			H_2O (µg/m^3)	8/3/09	10,600,000	11/16/09	7,620,000	2/2/10	6,990,000	4/29/10	47.2[b]
			PCE (µg/m^3)	8/3/09	85,300	11/16/09	48,300	2/2/10	2760	4/29/10	35,700
			Pressure differential (kPa)	8/3/09	-0.15	11/16/09	-0.66	2/2/10	0	4/29/10	1.15

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020 (cont.)	140	130–150	TCA (µg/m^3)	8/3/09	235,000	11/16/09	104,000	2/2/10	-3100	4/29/10	79,100
			TCE (µg/m^3)	8/3/09	47,400	11/16/09	25,200	2/2/10	1850	4/29/10	15,900
	160	150–170	CO_2 (µg/m^3)	8/3/09	5,040,000	11/16/09	3,330,000	2/2/10	7,610,000	4/29/10	2,300,000
			Freon-11 (µg/m^3)	8/3/09	11,300	11/16/09	7830	2/2/10	18,900	4/29/10	5090
			H_2O (µg/m^3)	8/3/09	10,400,000	11/16/09	6,790,000	2/2/10	6,700,000	4/29/10	44.8[b]
			PCE (µg/m^3)	8/3/09	52,100	11/16/09	31,500	2/2/10	87,200	4/29/10	24,300
			Pressure differential (kPa)	8/3/09	-0.07	11/16/09	-0.35	2/2/10	0	4/29/10	0.7
			TCA (µg/m^3)	8/3/09	138,000	11/16/09	56,600	2/2/10	178,000	4/29/10	48,900
			TCE (µg/m^3)	8/3/09	29,200	11/16/09	16,600	2/2/10	35,500	4/29/10	12,300
	180	170–190	CO_2 (µg/m^3)	8/3/09	9,530,000	11/16/09	7,270,000	2/2/10	10,200,000	4/29/10	8,620,000
			Freon-11 (µg/m^3)	8/3/09	25,900	11/16/09	22,100	2/2/10	28,000	4/29/10	27,400
			H_2O (µg/m^3)	8/3/09	10,900,000	11/16/09	8,410,000	2/2/10	7,420,000	4/29/10	46.0[b]
			PCE (µg/m^3)	8/3/09	118,000	11/16/09	81,500	2/2/10	127,000	4/29/10	109,000
			Pressure differential (kPa)	8/3/09	-0.15	11/16/09	-0.65	2/2/10	0	4/29/10	1.16
			TCA (µg/m^3)	8/3/09	286,000	11/16/09	157,000	2/2/10	245,000	4/29/10	239,000
			TCE (µg/m^3)	8/3/09	58,800	11/16/09	35,600	2/2/10	47,400	4/29/10	40,900
	200	190–210	CO_2 (µg/m^3)	8/3/09	9,020,000	11/16/09	6,980,000	2/2/10	8,920,000	4/29/10	8,690,000
			Freon-11 (µg/m^3)	8/3/09	26,300	11/16/09	21,900	2/2/10	28,200	4/29/10	29,400
			H_2O (µg/m^3)	8/3/09	10,700,000	11/16/09	8,710,000	2/2/10	7,470,000	4/29/10	48.8[b]
			PCE (µg/m^3)	8/3/09	114,000	11/16/09	79,900	2/2/10	129,000	4/29/10	117,000
			Pressure differential (kPa)	8/3/09	-0.15	11/16/09	-0.55	2/2/10	0	4/29/10	1.06
			TCA (µg/m^3)	8/3/09	262,000	11/16/09	143,000	2/2/10	215,000	4/29/10	232,000
			TCE (µg/m^3)	8/3/09	53,300	11/16/09	32,700	2/2/10	44,400	4/29/10	40,400

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021	Ambient	Ambient	CO_2 (µg/m^3)	7/22/09	847,000	10/28/09	1,300,000	1/27/10	1,270,000	4/1/10	1,740,000
			Freon-11 (µg/m^3)	7/22/09	146	10/28/09	521	1/27/10	143	4/1/10	-1300
			H_2O (µg/m^3)	7/22/09	12,100,000	10/28/09	9,520,000	1/27/10	11,600,000	4/1/10	21.6[b]
			PCE (µg/m^3)	7/22/09	368	10/28/09	4010	1/27/10	4260	4/1/10	697
			Pressure differential (kPa)	7/22/09	0	10/28/09	0	1/27/10	NS	4/1/10	0
			TCA (µg/m^3)	7/22/09	740	10/28/09	-5100	1/27/10	-8500	4/1/10	-5800
			TCE (µg/m^3)	7/22/09	452	10/28/09	2060	1/27/10	2520	4/1/10	3440
	20	10–30	CO_2 (µg/m^3)	7/22/09	11,700,000	10/28/09	2,760,000	1/27/10	11,100,000	4/1/10	7,850,000
			Freon-11 (µg/m^3)	7/22/09	968	10/28/09	-287	1/27/10	2430	4/1/10	1200
			H_2O (µg/m^3)	7/22/09	13,500,000	10/28/09	11,200,000	1/27/10	11,100,000	4/1/10	49.3[b]
			PCE (µg/m^3)	7/22/09	10,400	10/28/09	2320	1/27/10	15,500	4/1/10	11,600
			Pressure differential (kPa)	7/22/09	0.02	10/28/09	0	1/27/10	0	4/1/10	0.04
			TCA (µg/m^3)	7/22/09	121,000	10/28/09	-1800	1/27/10	30,500	4/1/10	57,900
			TCE (µg/m^3)	7/22/09	22,700	10/28/09	8040	1/27/10	17,700	4/1/10	17,900
	40	30–50	CO_2 (µg/m^3)	7/22/09	5,570,000	10/28/09	1,050,000	1/27/10	3,790,000	4/1/10	5,090,000
			Freon-11 (µg/m^3)	7/22/09	816	10/28/09	-72	1/27/10	1210	4/1/10	513
			H_2O (µg/m^3)	7/22/09	13,700,000	10/28/09	10,500,000	1/27/10	9,630,000	4/1/10	44.5[b]
			PCE (µg/m^3)	7/22/09	6670	10/28/09	1890	1/27/10	7830	4/1/10	6410
			Pressure differential (kPa)	7/22/09	0.02	10/28/09	0.03	1/27/10	0	4/1/10	0.03
			TCA (µg/m^3)	7/22/09	77,700	10/28/09	-1700	1/27/10	10,800	4/1/10	50,500
			TCE (µg/m^3)	7/22/09	16,000	10/28/09	4690	1/27/10	7140	4/1/10	12,400
	60	50–70	CO_2 (µg/m^3)	7/22/09	10,000,000	10/28/09	1,180,000	1/27/10	5,350,000	4/1/10	8,030,000
			Freon-11 (µg/m^3)	7/22/09	2200	10/28/09	102	1/27/10	1520	4/1/10	1100
			H_2O (µg/m^3)	7/22/09	14,300,000	10/28/09	9,310,000	1/27/10	9,360,000	4/1/10	48.2[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021 (cont.)	60	50–70	PCE (µg/m^3)	7/22/09	16,900	10/28/09	2200	1/27/10	13,300	4/1/10	19,100
			Pressure differential (kPa)	7/22/09	0.05	10/28/09	0.04	1/27/10	0	4/1/10	0.07
			TCA (µg/m^3)	7/22/09	219,000	10/28/09	-228	1/27/10	62,400	4/1/10	135,000
			TCE (µg/m^3)	7/22/09	42,200	10/28/09	3430	1/27/10	18,000	4/1/10	36,100
	80	70–90	CO_2 (µg/m^3)	NS	NS	10/28/09	931,000	1/27/10	2,040,000	4/1/10	2,570,000
			Freon-11 (µg/m^3)	NS	NS	10/28/09	-370	1/27/10	468	4/1/10	198
			H_2O (µg/m^3)	NS	NS	10/28/09	7,980,000	1/27/10	7,160,000	4/1/10	45.4[b]
			PCE (µg/m^3)	NS	NS	10/28/09	2190	1/27/10	5320	4/1/10	7980
			Pressure differential (kPa)	7/22/09	0.02[e]	10/28/09	0.02	1/27/10	0	4/1/10	0.02
			TCA (µg/m^3)	NS	NS	10/28/09	-2500	1/27/10	17,400	4/1/10	55,200
			TCE (µg/m^3)	NS	NS	10/28/09	2310	1/27/10	7310	4/1/10	17,700
	100	90–110	CO_2 (µg/m^3)	7/22/09	9,780,000	10/28/09	1,280,000	1/27/10	6,000,000	4/1/10	8,620,000
			Freon-11 (µg/m^3)	7/22/09	3130	10/28/09	78.1	1/27/10	2500	4/1/10	3020
			H_2O (µg/m^3)	7/22/09	14,000,000	10/28/09	8,850,000	1/27/10	8,890,000	4/1/10	48.2[b]
			PCE (µg/m^3)	7/22/09	22,300	10/28/09	5910	1/27/10	18,600	4/1/10	24,100
			Pressure differential (kPa)	7/22/09	0.05	10/28/09	0.29	1/27/10	0	4/1/10	0.29
			TCA (µg/m^3)	7/22/09	299,000	10/28/09	2240	1/27/10	135,000	4/1/10	233,000
			TCE (µg/m^3)	7/22/09	56,700	10/28/09	3450	1/27/10	29,600	4/1/10	46,900
	120	110–130	CO_2 (µg/m^3)	NS	NS	10/28/09	1,160,000	NS	NS	4/1/10	2,650,000
			Freon-11 (µg/m^3)	NS	NS	10/28/09	870	NS	NS	4/1/10	894
			H_2O (µg/m^3)	NS	NS	10/28/09	9,300,000	NS	NS	4/1/10	41.7[b]
			PCE (µg/m^3)	NS	NS	10/28/09	3470	NS	NS	4/1/10	12,800
			Pressure differential (kPa)	7/22/09	0[e]	10/28/09	0.07	1/27/10	0[e]	4/1/10	0.07

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021 (cont.)	120	110–130	TCA (µg/m^3)	NS	NS	10/28/09	2980	NS	NS	4/1/10	57,200
			TCE (µg/m^3)	NS	NS	10/28/09	3630	NS	NS	4/1/10	11,400
	140	130–150	CO_2 (µg/m^3)	7/22/09	10,400,000	10/28/09	10,100,000	1/27/10	9,900,000	4/1/10	9,210,000
			Freon-11 (µg/m^3)	7/22/09	4090	10/28/09	4720	1/27/10	4140	4/1/10	2370
			H_2O (µg/m^3)	7/22/09	13,800,000	10/28/09	9,970,000	1/27/10	9,560,000	4/1/10	49.7[b]
			PCE (µg/m^3)	7/22/09	29,000	10/28/09	24,900	1/27/10	29,500	4/1/10	24,400
			Pressure differential (kPa)	7/22/09	0.05	10/28/09	0.46	1/27/10	-0.13	4/1/10	0.38
			TCA (µg/m^3)	7/22/09	346,000	10/28/09	250,000	1/27/10	262,000	4/1/10	272,000
			TCE (µg/m^3)	7/22/09	65,800	10/28/09	55,000	1/27/10	54,600	4/1/10	60,700
	160	150–170	CO_2 (µg/m^3)	7/22/09	5,830,000	10/28/09	1,110,000	1/27/10	3,640,000	4/1/10	5,750,000
			Freon-11 (µg/m^3)	7/22/09	2600	10/28/09	300	1/27/10	1540	4/1/10	2420
			H_2O (µg/m^3)	7/22/09	13,000,000	10/28/09	9,320,000	1/27/10	7,200,000	4/1/10	50.6[b]
			PCE (µg/m^3)	7/22/09	17,200	10/28/09	3880	1/27/10	9120	4/1/10	21,300
			Pressure differential (kPa)	7/22/09	0.02	10/28/09	0.28	1/27/10	-0.07	4/1/10	0.11
			TCA (µg/m^3)	7/22/09	178,000	10/28/09	2770	1/27/10	75,300	4/1/10	164,000
			TCE (µg/m^3)	7/22/09	35,100	10/28/09	4560	1/27/10	17,700	4/1/10	33,300
	180	170–190	CO_2 (µg/m^3)	7/22/09	11,000,000	10/28/09	7,770,000	1/27/10	8,350,000	4/1/10	10,600,000
			Freon-11 (µg/m^3)	7/22/09	4900	10/28/09	4020	1/27/10	2760	4/1/10	3460
			H_2O (µg/m^3)	7/22/09	10,900,000	10/28/09	9,790,000	1/27/10	9,540,000	4/1/10	52.9[b]
			PCE (µg/m^3)	7/22/09	31,000	10/28/09	21,600	1/27/10	7670	4/1/10	33,500
			Pressure differential (kPa)	7/22/09	0.05	10/28/09	0.38	1/27/10	-0.13	4/1/10	0.37
			TCA (µg/m^3)	7/22/09	373,000	10/28/09	188,000	1/27/10	62,900	4/1/10	332,000
			TCE (µg/m^3)	7/22/09	71,800	10/28/09	43,700	1/27/10	13,400	4/1/10	72,800

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021 (cont.)	198	190–210	CO_2 (µg/m^3)	7/22/09	9,970,000	10/28/09	10,900,000	1/27/10	9,150,000	4/1/10	9,810,000
			Freon-11 (µg/m^3)	7/22/09	5380	10/28/09	6880	1/27/10	4990	4/1/10	3790
			H_2O (µg/m^3)	7/22/09	11,600,000	10/28/09	10,100,000	1/27/10	8,810,000	4/1/10	52.9[b]
			PCE (µg/m^3)	7/22/09	28,900	10/28/09	33,200	1/27/10	28,700	4/1/10	28,300
			Pressure differential (kPa)	7/22/09	0.02	10/28/09	1.16	1/27/10	-0.36	4/1/10	0.72
			TCA (µg/m^3)	7/22/09	289,000	10/28/09	242,000	1/27/10	218,000	4/1/10	264,000
			TCE (µg/m^3)	7/22/09	59,700	10/28/09	60,400	1/27/10	46,500	4/1/10	64,500
54-02022	Ambient	Ambient	CO_2 (µg/m^3)	7/24/09	1,030,000	10/28/09	973,000	1/28/10	936,000	4/5/10	788,000
			Freon-11 (µg/m^3)	7/24/09	0.1	10/28/09	70.8	1/28/10	-221	4/5/10	-468
			H_2O (µg/m^3)	7/24/09	12,900,000	10/28/09	8,040,000	1/28/10	6,000,000	4/5/10	28.1[b]
			PCE (µg/m^3)	7/24/09	2500	10/28/09	4690	1/28/10	3620	4/5/10	-1200
			Pressure differential (kPa)	7/24/09	0	10/28/09	0	1/28/10	0	4/5/10	0
			TCA (µg/m^3)	7/24/09	-1500	10/28/09	-3900	1/28/10	-4300	4/5/10	640
			TCE (µg/m^3)	7/24/09	116	10/28/09	3010	1/28/10	3590	4/5/10	1010
	20	17.5–22.5	CO_2 (µg/m^3)	7/24/09	9,770,000	10/28/09	22,600,000	1/28/10	8,810,000	4/5/10	9,680,000
			Freon-11 (µg/m^3)	7/24/09	893	10/28/09	3900	1/28/10	1500	4/5/10	1370
			H_2O (µg/m^3)	7/24/09	12,900,000	10/28/09	9,220,000	1/28/10	6,590,000	4/5/10	51.5[b]
			PCE (µg/m^3)	7/24/09	140,000	10/28/09	34,900	1/28/10	16,900	4/5/10	19,900
			Pressure differential (kPa)	7/24/09	0	10/28/09	0	1/28/10	-0.03	4/5/10	0.02
			TCA (µg/m^3)	7/24/09	139,000	10/28/09	146,000	1/28/10	50,200	4/5/10	124,000
			TCE (µg/m^3)	7/24/09	27,800	10/28/09	62,600	1/28/10	20,700	4/5/10	31,300
	40	37.5–42.5	CO_2 (µg/m^3)	7/24/09	11,800,000	10/28/09	16,100,000	1/28/10	10,200,000	4/5/10	1,470,000
			Freon-11 (µg/m^3)	7/24/09	2750	10/28/09	5990	1/28/10	3040	4/5/10	1780
			H_2O (µg/m^3)	7/24/09	12,000,000	10/28/09	9,700,000	1/28/10	6,920,000	4/5/10	51.4[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022 (cont.)	40	37.5–42.5	PCE (µg/m^3)	7/24/09	30,300	10/28/09	46,000	1/28/10	28,100	4/5/10	42,600
			Pressure differential (kPa)	7/24/09	0	10/28/09	0	1/28/10	0	4/5/10	0
			TCA (µg/m^3)	7/24/09	307,000	10/28/09	316,000	1/28/10	162,000	4/5/10	354,000
			TCE (µg/m^3)	7/24/09	59,100	10/28/09	78,500	1/28/10	40,200	4/5/10	79,800
	60	57.5–62.5	CO_2 (µg/m^3)	7/24/09	13,700,000	10/28/09	17,000,000	1/28/10	1,1300,000	4/5/10	1,620,000
			Freon-11 (µg/m^3)	7/24/09	3730	10/28/09	7310	1/28/10	4060	4/5/10	2890
			H_2O (µg/m^3)	7/24/09	11,700,000	10/28/09	10,300,000	1/28/10	7,180,000	4/5/10	54.3[b]
			PCE (µg/m^3)	7/24/09	41,800	10/28/09	55,200	1/28/10	35,500	4/5/10	51,300
			Pressure differential (kPa)	7/24/09	-0.02	10/28/09	0.05	1/28/10	0	4/5/10	0
			TCA (µg/m^3)	7/24/09	459,000	10/28/09	435,000	1/28/10	258,000	4/5/10	500,000
			TCE (µg/m^3)	7/24/09	82,500	10/28/09	96,700	1/28/10	55,000	4/5/10	103,000
	80	77.5–82.5	CO_2 (µg/m^3)	7/24/09	10,800,000	10/28/09	14,100,000	1/28/10	8,320,000	4/5/10	1,320,000
			Freon-11 (µg/m^3)	7/24/09	2650	10/28/09	6950	1/28/10	3150	4/5/10	2980
			H_2O (µg/m^3)	7/24/09	11,300,000	10/28/09	10,300,000	1/28/10	6,970,000	4/5/10	51.0[b]
			PCE (µg/m^3)	7/24/09	29,300	10/28/09	48,100	1/28/10	27,200	4/5/10	44,700
			Pressure differential (kPa)	7/24/09	-0.03	10/28/09	0.11	1/28/10	0	4/5/10	0
			TCA (µg/m^3)	7/24/09	390,000	10/28/09	412,000	1/28/10	213,000	4/5/10	449,000
			TCE (µg/m^3)	7/24/09	71,100	10/28/09	86,900	1/28/10	43,000	4/5/10	88,800
	100	97.5–102.5	CO_2 (µg/m^3)	7/24/09	71,000,000	10/28/09	4,770,000	1/28/10	1,090,000[d]	4/5/10	4,150,000
			Freon-11 (µg/m^3)	7/24/09	1770	10/28/09	2170	1/28/10	613[d]	4/5/10	634
			H_2O (µg/m^3)	7/24/09	10,400,000	10/28/09	9,780,000	1/28/10	6,240,000[d]	4/5/10	47.9[b]
			PCE (µg/m^3)	7/24/09	17,800	10/28/09	18,800	1/28/10	3400[d]	4/5/10	16,000
			Pressure differential (kPa)	7/24/09	0	10/28/09	0.11	1/28/10	0[d]	4/5/10	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022 (cont.)	100	97.5–102.5	TCA (µg/m^3)	7/24/09	265,000	10/28/09	128,000	1/28/10	-1200[d]	4/5/10	143,000
			TCE (µg/m^3)	7/24/09	51,400	10/28/09	32,200	1/28/10	3550[d]	4/5/10	32,800
	120	117.5–122.5	CO_2 (µg/m^3)	7/24/09	11,300,000	10/28/09	12,700,000	1/28/10	8,560,000	4/5/10	1,270,000
			Freon-11 (µg/m^3)	7/24/09	3610	10/28/09	6360	1/28/10	3740	4/5/10	3370
			H_2O (µg/m^3)	7/24/09	10,900,000	10/28/09	10,600,000	1/28/10	7,020,000	4/5/10	51.0[b]
			PCE (µg/m^3)	7/24/09	30,500	10/28/09	39,400	1/28/10	27,600	4/5/10	41,000
			Pressure differential (kPa)	7/24/09	-0.05	10/28/09	0.56	1/28/10	0	4/5/10	-0.05
			TCA (µg/m^3)	7/24/09	484,000	10/28/09	399,000	1/28/10	291,000	4/5/10	521,000
			TCE (µg/m^3)	7/24/09	87,000	10/28/09	81,000	1/28/10	54,100	4/5/10	98,200
	140	137.5–142.5	CO_2 (µg/m^3)	7/24/09	10,500,000	10/28/09	11,900,000	1/28/10	6,300,000	4/5/10	1,150,000
			Freon-11 (µg/m^3)	7/24/09	4820	10/28/09	7030	1/28/10	2560	4/5/10	3200
			H_2O (µg/m^3)	7/24/09	12,200,000	10/28/09	10,900,000	1/28/10	7,160,000	4/5/10	50.8[b]
			PCE (µg/m^3)	7/24/09	20,300	10/28/09	36,800	1/28/10	18,100	4/5/10	34,500
			Pressure differential (kPa)	7/24/09	-0.03	10/28/09	0.73	1/28/10	-0.07	4/5/10	-0.06
			TCA (µg/m^3)	7/24/09	444,000	10/28/09	409,000	1/28/10	167,000	4/5/10	469,000
			TCE (µg/m^3)	7/24/09	78,300	10/28/09	85,100	1/28/10	33,800	4/5/10	89,200
	160	157.5–162.5	CO_2 (µg/m^3)	7/24/09	8,820,000	10/28/09	14,200,000	1/28/10	5,110,000	4/5/10	1,250,000
			Freon-11 (µg/m^3)	7/24/09	5020	10/28/09	9870	1/28/10	2880	4/5/10	5170
			H_2O (µg/m^3)	7/24/09	11,200,000	10/28/09	10,900,000	1/28/10	7,040,000	4/5/10	55.9[b]
			PCE (µg/m^3)	7/24/09	21,700	10/28/09	45,700	1/28/10	14,900	4/5/10	37,600
			Pressure differential (kPa)	7/24/09	-0.04	10/28/09	1.19	1/28/10	-0.12	4/5/10	-0.14
			TCA (µg/m^3)	7/24/09	340,000	10/28/09	465,000	1/28/10	126,000	4/5/10	498,000
			TCE (µg/m^3)	7/24/09	61,700	10/28/09	98,700	1/28/10	24,100	4/5/10	96,600

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022 (cont.)	180	177.5–182.5	CO_2 (µg/m^3)	7/24/09	4,340,000	10/28/09	12,700,000	1/28/10	2,400,000	4/5/10	1,060,000
			Freon-11 (µg/m^3)	7/24/09	1900	10/28/09	6920	1/28/10	220	4/5/10	4000
			H_2O (µg/m^3)	7/24/09	11,300,000	10/28/09	10,800,000	1/28/10	7,180,000	4/5/10	56.7[b]
			PCE (µg/m^3)	7/24/09	11,200	10/28/09	34,400	1/28/10	3030	4/5/10	30,000
			Pressure differential (kPa)	7/24/09	-0.03	10/28/09	1.26	1/28/10	-0.07	4/5/10	-0.14
			TCA (µg/m^3)	7/24/09	129,000	10/28/09	333,000	1/28/10	11,200	4/5/10	366,000
			TCE (µg/m^3)	7/24/09	28,700	10/28/09	82,800	1/28/10	6090	4/5/10	75,900
	200	197.5–202.5	CO_2 (µg/m^3)	7/24/09	7,560,000	10/28/09	12,600,000	1/28/10	6,750,000	4/5/10	1,130,000
			Freon-11 (µg/m^3)	7/24/09	3980	10/28/09	8070	1/28/10	3360	4/5/10	5410
			H_2O (µg/m^3)	7/24/09	12,200,000	10/28/09	10,800,000	1/28/10	7,100,000	4/5/10	54.4[b]
			PCE (µg/m^3)	7/24/09	19,100	10/28/09	36,000	1/28/10	18,500	4/5/10	31,700
			Pressure differential (kPa)	7/24/09	-0.04	10/28/09	1.19	1/28/10	-0.12	4/5/10	-0.09
			TCA (µg/m^3)	7/24/09	211,000	10/28/09	253,000	1/28/10	133,000	4/5/10	326,000
			TCE (µg/m^3)	7/24/09	40,400	10/28/09	68,300	1/28/10	29,800	4/5/10	68,000
54-02023	Ambient	Ambient	CO_2 (µg/m^3)	7/30/09	1,060,000	11/12/09	1,280,000	2/9/10	995,000	4/28/10	1,910,000
			Freon-11 (µg/m^3)	7/30/09	170	11/12/09	410	2/9/10	864	4/28/10	-111
			H_2O (µg/m^3)	7/30/09	13,300,000	11/12/09	10,900,000	2/9/10	4,380,000	4/28/10	32.8[b]
			PCE (µg/m^3)	7/30/09	903	11/12/09	414	2/9/10	4740	4/28/10	1870
			Pressure differential (kPa)	7/30/09	0	11/12/09	0	2/9/10	NS	4/28/10	0
			TCA (µg/m^3)	7/30/09	-1600	11/12/09	-3700	2/9/10	-2400	4/28/10	-2600
			TCE (µg/m^3)	7/30/09	-1100	11/12/09	5030	2/9/10	2240	4/28/10	1650
	20	10–30	CO_2 (µg/m^3)	7/30/09	24,400,000	11/12/09	25,600,000	2/9/10	10,400,000	4/28/10	15,500,000
			Freon-11 (µg/m^3)	7/30/09	2830	11/12/09	3210	2/9/10	1750	4/28/10	2650
			H_2O (µg/m^3)	7/30/09	14,700,000	11/12/09	18,400,000	2/9/10	7,320,000	4/28/10	51.3[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023 (cont.)	20	10–30	PCE (µg/m^3)	7/30/09	18,000	11/12/09	19,100	2/9/10	10,800	4/28/10	15,200
			Pressure differential (kPa)	7/30/09	0.03	11/12/09	0.02	2/9/10	-0.02	4/28/10	0.03
			TCA (µg/m^3)	7/30/09	77,900	11/12/09	-28,000	2/9/10	-50,000	4/28/10	-10,000
			TCE (µg/m^3)	7/30/09	10,100	11/12/09	13,600	2/9/10	5100	4/28/10	9870
	40	30–50	CO_2 (µg/m^3)	7/30/09	18,900,000	11/12/09	21,200,000	2/9/10	21,900,000	4/28/10	17,000,000
			Freon-11 (µg/m^3)	7/30/09	4330	11/12/09	5170	2/9/10	5840	4/28/10	4190
			H_2O (µg/m^3)	7/30/09	14,200,000	11/12/09	18,000,000	2/9/10	7,940,000	4/28/10	55.0[b]
			PCE (µg/m^3)	7/30/09	19,900	11/12/09	19,000	2/9/10	25,800	4/28/10	20,500
			Pressure differential (kPa)	7/30/09	0.02	11/12/09	0.11	2/9/10	0	4/28/10	0.06
			TCA (µg/m^3)	7/30/09	68,700	11/12/09	-8800	2/9/10	-69,000	4/28/10	10,500
			TCE (µg/m^3)	7/30/09	9960	11/12/09	13,000	2/9/10	8910	4/28/10	13,300
	60	50–70	CO_2 (µg/m^3)	7/30/09	10,100,000	11/12/09	3,370,000[d]	2/9/10	3,370,000	4/28/10	3,850,000
			Freon-11 (µg/m^3)	7/30/09	9680	11/12/09	1090[d]	2/9/10	2320	4/28/10	3620
			H_2O (µg/m^3)	7/30/09	14,400,000	11/12/09	14,300,000[d]	2/9/10	7,250,000	4/28/10	43.6[b]
			PCE (µg/m^3)	7/30/09	45,900	11/12/09	7440[d]	2/9/10	14,400	4/28/10	17,100
			Pressure differential (kPa)	7/30/09	0	11/12/09	0.07[d]	2/9/10	-0.6	4/28/10	0.02
			TCA (µg/m^3)	7/30/09	91,300	11/12/09	-11,400[d]	2/9/10	-1400	4/28/10	21,900
			TCE (µg/m^3)	7/30/09	24,800	11/12/09	7920[d]	2/9/10	6650	4/28/10	7920
	80	70–90	CO_2 (µg/m^3)	7/30/09	11,900,000	11/12/09	14,600,000	2/9/10	12,600,000	4/28/10	11,500,000
			Freon-11 (µg/m^3)	7/30/09	3180	11/12/09	6400	2/9/10	5170	4/28/10	4450
			H_2O (µg/m^3)	7/30/09	13,500,000	11/12/09	17,300,000	2/9/10	7,830,000	4/28/10	48.7[b]
			PCE (µg/m^3)	7/30/09	19,400	11/12/09	22,500	2/9/10	24,400	4/28/10	20,800
			Pressure differential (kPa)	7/30/09	0	11/12/09	0.18	2/9/10	-0.14	4/28/10	0.09

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023 (cont.)	80	70–90	TCA (µg/m^3)	7/30/09	66,600	11/12/09	27,200	2/9/10	-15,000	4/28/10	37,900
			TCE (µg/m^3)	7/30/09	17,900	11/12/09	17,600	2/9/10	11,300	4/28/10	13,700
	100	90–110	CO_2 (µg/m^3)	7/30/09	10,700,000	11/12/09	15,300,000	2/9/10	16,200,000	4/28/10	13,700,000
			Freon-11 (µg/m^3)	7/30/09	6150	11/12/09	8230	2/9/10	8100	4/28/10	6940
			H_2O (µg/m^3)	7/30/09	23,500,000	11/12/09	17,600,000	2/9/10	7,930,000	4/28/10	58.6[b]
			PCE (µg/m^3)	7/30/09	29,900	11/12/09	31,600	2/9/10	36,000	4/28/10	31,500
			Pressure differential (kPa)	7/30/09	0	11/12/09	0.28	2/9/10	-0.19	4/28/10	0.13
			TCA (µg/m^3)	7/30/09	42,700	11/12/09	42,800	2/9/10	-4800	4/28/10	65,200
			TCE (µg/m^3)	7/30/09	12,600	11/12/09	20,600	2/9/10	15,200	4/28/10	19,200
	120	110–130	CO_2 (µg/m^3)	7/30/09	2,020,000[d]	NS	NS	NS	NS	NS	NS
			Freon-11 (µg/m^3)	7/30/09	-807[d]	NS	NS	NS	NS	NS	NS
			H_2O (µg/m^3)	7/30/09	18,300,000[d]	NS	NS	NS	NS	NS	NS
			PCE (µg/m^3)	7/30/09	-3100[d]	NS	NS	NS	NS	NS	NS
			Pressure differential (kPa)	7/30/09	0[d]	11/12/09	0.03[e]	2/9/10	0[e]	4/28/10	0.03[e]
			TCA (µg/m^3)	7/30/09	3140[d]	NS	NS	NS	NS	NS	NS
			TCE (µg/m^3)	7/30/09	4680[d]	NS	NS	NS	NS	NS	NS
	140	130–149	CO_2 (µg/m^3)	7/30/09	1,620,000[d]	11/12/09	5,650,000	2/9/10	3,050,000	4/28/10	4,410,000
			Freon-11 (µg/m^3)	7/30/09	54.5[d]	11/12/09	5440	2/9/10	1840	4/28/10	318,000
			H_2O (µg/m^3)	7/30/09	1,500,000[d]	11/12/09	12,100,000	2/9/10	6,910,000	4/28/10	44.4[b]
			PCE (µg/m^3)	7/30/09	294[d]	11/12/09	16,600	2/9/10	10,400	4/28/10	14,200
			Pressure differential (kPa)	7/30/09	0[d]	11/12/09	0.12	2/9/10	-0.06	4/28/10	0.03
			TCA (µg/m^3)	7/30/09	2230[d]	11/12/09	22,600	2/9/10	1510	4/28/10	22,400
			TCE (µg/m^3)	7/30/09	4690[d]	11/12/09	10,000	2/9/10	4810	4/28/10	6800

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023 (cont.)	159	149–169	CO_2 (µg/m^3)	7/30/09	10,500,000	11/12/09	12,000,000	2/9/10	11,800,000	4/28/10	10,100,000
			Freon-11 (µg/m^3)	7/30/09	8290	11/12/09	11,800	2/9/10	2220	4/28/10	10,300
			H_2O (µg/m^3)	7/30/09	14,100,000	11/12/09	16,800,000	2/9/10	6,830,000	4/28/10	53.8[b]
			PCE (µg/m^3)	7/30/09	43,500	11/12/09	42,200	2/9/10	12,500	4/28/10	42,700
			Pressure differential (kPa)	7/30/09	0	11/12/09	0.36	2/9/10	-0.23	4/28/10	0.02
			TCA (µg/m^3)	7/30/09	76,100	11/12/09	69,900	2/9/10	35,800	4/28/10	79,500
			TCE (µg/m^3)	7/30/09	22,700	11/12/09	23,200	2/9/10	19,000	4/28/10	20,300
	180	170–190	CO_2 (µg/m^3)	7/30/09	1,960,000[d]	11/12/09	6,400,000	2/9/10	1,910,000[d]	NS	NS
			Freon-11 (µg/m^3)	7/30/09	505[d]	11/12/09	1500	2/9/10	381[d]	NS	NS
			H_2O (µg/m^3)	7/30/09	16,800,000[d]	11/12/09	12,200,000	2/9/10	6,880,000[d]	NS	NS
			PCE (µg/m^3)	7/30/09	636[d]	11/12/09	6700	2/9/10	3790[d]	NS	NS
			Pressure differential (kPa)	7/30/09	0[d]	11/12/09	0.03	2/9/10	-0.03[d]	4/28/10	0.03[e]
			TCA (µg/m^3)	7/30/09	5370[d]	11/12/09	7280	2/9/10	-4300[d]	NS	NS
			TCE (µg/m^3)	7/30/09	3190[d]	11/12/09	8290	2/9/10	3540[d]	NS	NS
	200	190–210	CO_2 (µg/m^3)	7/30/09	10,500,000	11/12/09	11,300,000	2/9/10	8,050,000	4/28/10	10,100,000
			Freon-11 (µg/m^3)	7/30/09	13,200	11/12/09	14,000	2/9/10	9030	4/28/10	13,200
			H_2O (µg/m^3)	7/30/09	13,200,000	11/12/09	17,000,000	2/9/10	7,281,000	4/28/10	56.2[b]
			PCE (µg/m^3)	7/30/09	55,900	11/12/09	51,900	2/9/10	41,300	4/28/10	55,300
			Pressure differential (kPa)	7/30/09	0	11/12/09	0.61	2/9/10	-0.35	4/28/10	0.14
			TCA (µg/m^3)	7/30/09	88,100	11/12/09	74,700	2/9/10	28,600	4/28/10	95,500
			TCE (µg/m^3)	7/30/09	21,800	11/12/09	27,000	2/9/10	14,700	4/28/10	22,500
54-02024	Ambient	Ambient	CO_2 (µg/m^3)	7/29/09	750,000	11/13/09	872,000	2/10/10	957,000	4/28/10	871,000
			Freon-11 (µg/m^3)	7/29/09	-479	11/13/09	95.7	2/10/10	-1000	4/28/10	248
			H_2O (µg/m^3)	7/29/09	12,600,000	11/13/09	9,020,000	2/10/10	10,800,000	4/28/10	34.5[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024 (cont.)	Ambient	Ambient	PCE (µg/m^3)	7/29/09	449	11/13/09	3710	2/10/10	1940	4/28/10	1900
			Pressure differential (kPa)	7/29/09	0	11/13/09	0	2/10/10	NS	4/28/10	0
			TCA (µg/m^3)	7/29/09	2130	11/13/09	-1400	2/10/10	-3100	4/28/10	-308
			TCE (µg/m^3)	7/29/09	2170	11/13/09	1570	2/10/10	2400	4/28/10	194
	20	10–30	CO_2 (µg/m^3)	7/29/09	10,700,000	11/13/09	12,400,000	2/10/10	10,200,000	4/28/10	10,400,000
			Freon-11 (µg/m^3)	7/29/09	3330	11/13/09	6330	2/10/10	5900	4/28/10	6600
			H_2O (µg/m^3)	7/29/09	12,400,000	11/13/09	16,000,000	2/10/10	11,000,000	4/28/10	55.2[b]
			PCE (µg/m^3)	7/29/09	18,400	11/13/09	27,100	2/10/10	27,600	4/28/10	30,400
			Pressure differential (kPa)	7/29/09	0	11/13/09	0.03	2/10/10	0	4/28/10	0.07
			TCA (µg/m^3)	7/29/09	44,900	11/13/09	33,400	2/10/10	12,700	4/28/10	68,400
			TCE (µg/m^3)	7/29/09	13,300	11/13/09	19,400	2/10/10	11,600	4/28/10	15,400
	40	30–50	CO_2 (µg/m^3)	7/29/09	10,100,000	11/13/09	10,900,000	2/10/10	6,690,000	4/28/10	9,580,000
			Freon-11 (µg/m^3)	7/29/09	3440	11/13/09	5610	2/10/10	3890	4/28/10	6640
			H_2O (µg/m^3)	7/29/09	13,400,000	11/13/09	15,400,000	2/10/10	11,300,000	4/28/10	55.6[b]
			PCE (µg/m^3)	7/29/09	17,800	11/13/09	23,700	2/10/10	19,900	4/28/10	29,400
			Pressure differential (kPa)	7/29/09	0	11/13/09	0.04	2/10/10	0	4/28/10	0.03
			TCA (µg/m^3)	7/29/09	60,400	11/13/09	30,900	2/10/10	8650	4/28/10	72,500
			TCE (µg/m^3)	7/29/09	17,700	11/13/09	18,100	2/10/10	8280	4/28/10	16,300
	60	50–70	CO_2 (µg/m^3)	7/29/09	11,200,000	11/13/09	12,500,000	2/10/10	11,700,000	4/28/10	10,200,000
			Freon-11 (µg/m^3)	7/29/09	7140	11/13/09	8500	2/10/10	8480	4/28/10	8310
			H_2O (µg/m^3)	7/29/09	12,100,000	11/13/09	15,700,000	2/10/10	10,500,000	4/28/10	53.0[b]
			PCE (µg/m^3)	7/29/09	35,100	11/13/09	33,300	2/10/10	40,700	4/28/10	35,600
			Pressure differential (kPa)	7/29/09	0	11/13/09	0.08	2/10/10	0	4/28/10	0.11

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024 (cont.)	60	50–70	TCA (µg/m^3)	7/29/09	94,300	11/13/09	57,000	2/10/10	45,400	4/28/10	96,700
			TCE (µg/m^3)	7/29/09	21,100	11/13/09	23,500	2/10/10	19,000	4/28/10	20,700
	80	70–90	CO_2 (µg/m^3)	7/29/09	10,900,000	11/13/09	2,380,000	2/10/10	12,200,000	4/28/10	10,600,000
			Freon-11 (µg/m^3)	7/29/09	8910	11/13/09	1160	2/10/10	11,200	4/28/10	10,800
			H_2O (µg/m^3)	7/29/09	13,000,000	11/13/09	11,400,000	2/10/10	11,200,000	4/28/10	55.2[b]
			PCE (µg/m^3)	7/29/09	46,700	11/13/09	6040	2/10/10	50,600	4/28/10	45,500
			Pressure differential (kPa)	7/29/09	0	11/13/09	0.17	2/10/10	0	4/28/10	0.13
			TCA (µg/m^3)	7/29/09	121,000	11/13/09	5090	2/10/10	68,600	4/28/10	129,000
			TCE (µg/m^3)	7/29/09	27,700	11/13/09	4360	2/10/10	23,400	4/28/10	25,400
	100	90–110	CO_2 (µg/m^3)	7/29/09	10,100,000	11/13/09	11,100,000	2/10/10	11,400,000	4/28/10	10,900,000
			Freon-11 (µg/m^3)	7/29/09	10,600	11/13/09	12,300	2/10/10	11,800	4/28/10	12,900
			H_2O (µg/m^3)	7/29/09	12,500,000	11/13/09	1,600,000	2/10/10	11,200,000	4/28/10	55.0[b]
			PCE (µg/m^3)	7/29/09	45,200	11/13/09	46,400	2/10/10	53,600	4/28/10	52,900
			Pressure differential (kPa)	7/29/09	0	11/13/09	0.27	2/10/10	0	4/28/10	0.22
			TCA (µg/m^3)	7/29/09	127,000	11/13/09	95,500	2/10/10	77,700	4/28/10	153,000
			TCE (µg/m^3)	7/29/09	27,100	11/13/09	30,000	2/10/10	24,300	4/28/10	29,300
	120	110–130	CO_2 (µg/m^3)	NS	NS	NS	NS	NS	NS	NS	NS
			Freon-11 (µg/m^3)	NS	NS	NS	NS	NS	NS	NS	NS
			H_2O (µg/m^3)	NS	NS	NS	NS	NS	NS	NS	NS
			PCE (µg/m^3)	NS	NS	NS	NS	NS	NS	NS	NS
			Pressure differential (kPa)	7/29/09	0.02[e]	11/13/09	0.37[e]	2/10/10	0[e]	4/28/10	0.29[e]
			TCA (µg/m^3)	NS	NS	NS	NS	NS	NS	NS	NS
			TCE (µg/m^3)	NS	NS	NS	NS	NS	NS	NS	NS

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024 (cont.)	140	130–150	CO_2 (µg/m^3)	7/29/09	8,800,000	11/13/09	9,600,000	2/10/10	6,470,000	4/28/10	6,770,000
			Freon-11 (µg/m^3)	7/29/09	11,500	11/13/09	14,900	2/10/10	8170	4/28/10	10,400
			H_2O (µg/m^3)	7/29/09	11,200,000	11/13/09	13,800,000	2/10/10	11,800,000	4/28/10	50.2[b]
			PCE (µg/m^3)	7/29/09	54,600	11/13/09	53,300	2/10/10	37,800	4/28/10	40,800
			Pressure differential (kPa)	7/29/09	0.02	11/13/09	0.36	2/10/10	0	4/28/10	0.29
			TCA (µg/m^3)	7/29/09	131,000	11/13/09	102,000	2/10/10	51,900	4/28/10	106,000
			TCE (µg/m^3)	7/29/09	28,600	11/13/09	29,500	2/10/10	16,900	4/28/10	19,800
	160	150–170	CO_2 (µg/m^3)	7/29/09	9,710,000	11/13/09	10,600,000	2/10/10	1,000,000	4/28/10	10,300,000
			Freon-11 (µg/m^3)	7/29/09	14,500	11/13/09	18,400	2/10/10	15,800	4/28/10	18,600
			H_2O (µg/m^3)	7/29/09	11,900,000	11/13/09	15,700,000	2/10/10	12,200,000	4/28/10	54.9[b]
			PCE (µg/m^3)	7/29/09	66,300	11/13/09	66,300	2/10/10	69,500	4/28/10	72,900
			Pressure differential (kPa)	7/29/09	0.06	11/13/09	0.58	2/10/10	0	4/28/10	0.3
			TCA (µg/m^3)	7/29/09	160,000	11/13/09	127,000	2/10/10	104,000	4/28/10	183,000
			TCE (µg/m^3)	7/29/09	36,300	11/13/09	35,900	2/10/10	27,200	4/28/10	34,600
	180	170–190	CO_2 (µg/m^3)	7/29/09	7,460,000	11/13/09	10,600,000	2/10/10	7,220,000	4/28/10	9,200,000
			Freon-11 (µg/m^3)	7/29/09	12,700	11/13/09	20,200	2/10/10	11,700	4/28/10	18,500
			H_2O (µg/m^3)	7/29/09	11,700,000	11/13/09	15,400,000	2/10/10	12,000,000	4/28/10	52.6[b]
			PCE (µg/m^3)	7/29/09	55,400	11/13/09	72,600	2/10/10	52,600	4/28/10	71,600
			Pressure differential (kPa)	7/29/09	0.11	11/13/09	0.59	2/10/10	0	4/28/10	0.23
			TCA (µg/m^3)	7/29/09	126,000	11/13/09	136,000	2/10/10	71,100	4/28/10	170,000
			TCE (µg/m^3)	7/29/09	28,500	11/13/09	40,500	2/10/10	19,400	4/28/10	33,000
	200	190–210	CO_2 (µg/m^3)	7/29/09	8,120,000	11/13/09	8,510,000	2/10/10	4,630,000	4/28/10	6,610,000
			Freon-11 (µg/m^3)	7/29/09	14,900	11/13/09	17,400	2/10/10	6980	4/28/10	13,900
			H_2O (µg/m^3)	7/29/09	11,200,000	11/13/09	15,300,000	2/10/10	11,300,000	4/28/10	50.2[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024 (cont.)	200	190–210	PCE (µg/m^3)	7/29/09	64,200	11/13/09	62,700	2/10/10	33,800	4/28/10	53,600
			Pressure differential (kPa)	7/29/09	0.14	11/13/09	0.65	2/10/10	0	4/28/10	0.27
			TCA (µg/m^3)	7/29/09	139,000	11/13/09	106,000	2/10/10	41,900	4/28/10	119,000
			TCE (µg/m^3)	7/29/09	31,900	11/13/09	31,200	2/10/10	17,000	4/28/10	23,900
54-02025	Ambient	Ambient	CO_2 (µg/m^3)	7/27/09	1,050,000	11/10/09	861,000	2/2/10	948,000	4/27/10	1,750,000
			Freon-11 (µg/m^3)	7/27/09	1410	11/10/09	-203	2/2/10	244	4/27/10	-137
			H_2O (µg/m^3)	7/27/09	8,050,000	11/10/09	8,940,000	2/2/10	10,200,000	4/27/10	41.3[b]
			PCE (µg/m^3)	7/27/09	822	11/10/09	1910	2/2/10	1740	4/27/10	2240
			Pressure differential (kPa)	7/27/09	0	11/10/09	0	2/2/10	NS	4/27/10	0
			TCA (µg/m^3)	7/27/09	4750	11/10/09	-746	2/2/10	-1900	4/27/10	-2900
			TCE (µg/m^3)	7/27/09	-2400	11/10/09	2190	2/2/10	1580	4/27/10	2180
	20	20	CO_2 (µg/m^3)	7/27/09	13,500,000	11/10/09	12,800,000	2/2/10	11,800,000	4/27/10	12,200,000
			Freon-11 (µg/m^3)	7/27/09	13,100	11/10/09	16,700	2/2/10	18,700	4/27/10	22,200
			H_2O (µg/m^3)	7/27/09	12,800,000	11/10/09	16,600,000	2/2/10	10,600,000	4/27/10	49.0[b]
			PCE (µg/m^3)	7/27/09	91,000	11/10/09	80,700	2/2/10	112,000	4/27/10	119,000
			Pressure differential (kPa)	7/27/09	0.05	11/10/09	0.05	2/2/10	0.04	4/27/10	-0.08
			TCA (µg/m^3)	7/27/09	254,000	11/10/09	183,000	2/2/10	203,000	4/27/10	221,000
			TCE (µg/m^3)	7/27/09	45,300	11/10/09	35,100	2/2/10	29,800	4/27/10	28,500
	60	60	CO_2 (µg/m^3)	7/27/09	9,080,000	11/10/09	5,940,000	2/2/10	4,530,000[f]	4/27/10	2,870,000
			Freon-11 (µg/m^3)	7/27/09	4160	11/10/09	4300	2/2/10	5470[f]	4/27/10	231
			H_2O (µg/m^3)	7/27/09	23,800,000	11/10/09	15,800,000	2/2/10	10,000,000[f]	4/27/10	50.9[b]
			PCE (µg/m^3)	7/27/09	21,500	11/10/09	20,700	2/2/10	32,800[f]	4/27/10	5280
			Pressure differential (kPa)	7/27/09	0	11/10/09	0	2/2/10	0[f]	4/27/10	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02025 (cont.)	60	60	TCA (µg/m^3)	7/27/09	63,100	11/10/09	35,300	2/2/10	50,300[f]	4/27/10	2650
			TCE (µg/m^3)	7/27/09	4310	11/10/09	6640	2/2/10	6590[f]	4/27/10	5370
	100	100	CO_2 (µg/m^3)	7/27/09	13,300,000	11/10/09	13,400,000	2/2/10	13,700,000	4/27/10	11,000,000
			Freon-11 (µg/m^3)	7/27/09	26,700	11/10/09	32,500	2/2/10	28,100	4/27/10	28,400
			H_2O (µg/m^3)	7/27/09	12,400,000	11/10/09	15,300,000	2/2/10	9,740,000	4/27/10	51.2[b]
			PCE (µg/m^3)	7/27/09	132,000	11/10/09	128,000	2/2/10	133,000	4/27/10	122,000
			Pressure differential (kPa)	7/27/09	0.08	11/10/09	-0.07	2/2/10	0.09	4/27/10	-0.38
			TCA (µg/m^3)	7/27/09	445,000	11/10/09	381,000	2/2/10	356,000	4/27/10	358,000
			TCE (µg/m^3)	7/27/09	89,700	11/10/09	80,900	2/2/10	59,200	4/27/10	56,200
	160	160	CO_2 (µg/m^3)	7/27/09	12,300,000	11/10/09	12,400,000	2/2/10	6,490,000	4/27/10	11,400,000
			Freon-11 (µg/m^3)	7/27/09	33,800	11/10/09	34,500	2/2/10	9230	4/27/10	31,800
			H_2O (µg/m^3)	7/27/09	13,000,000	11/10/09	15,300,000	2/2/10	9,550,000	4/27/10	53.0[b]
			PCE (µg/m^3)	7/27/09	154,000	11/10/09	131,000	2/2/10	49,900	4/27/10	137,000
			Pressure differential (kPa)	7/27/09	0.04	11/10/09	-0.23	2/2/10	0	4/27/10	-0.57
			TCA (µg/m^3)	7/27/09	464,000	11/10/09	365,000	2/2/10	110,000	4/27/10	349,000
			TCE (µg/m^3)	7/27/09	95,500	11/10/09	78,800	2/2/10	19,200	4/27/10	52,900
	190	190	CO_2 (µg/m^3)	7/27/09	11,800,000	11/10/09	11,600,000	2/2/10	8,160,000	4/27/10	6,270,000
			Freon-11 (µg/m^3)	7/27/09	42,000	11/10/09	45,700	2/2/10	11,000	4/27/10	-415,000
			H_2O (µg/m^3)	7/27/09	11,100,000	11/10/09	15,800,000	2/2/10	9,880,000	4/27/10	54.6[b]
			PCE (µg/m^3)	7/27/09	187,000	11/10/09	159,000	2/2/10	58,200	4/27/10	6870
			Pressure differential (kPa)	7/27/09	0.05	11/10/09	-0.34	2/2/10	0.03	4/27/10	-0.57
			TCA (µg/m^3)	7/27/09	470,000	11/10/09	382,000	2/2/10	197,000	4/27/10	14,400
			TCE (µg/m^3)	7/27/09	101,000	11/10/09	91,800	2/2/10	29,400	4/27/10	10,900

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02026	Ambient	Ambient	CO_2 (µg/m^3)	7/29/09	9,640,000	11/12/09	1,160,000	2/5/10	994,000	4/29/10	876,000
			Freon-11 (µg/m^3)	7/29/09	-560	11/12/09	586	2/5/10	191	4/29/10	130
			H_2O (µg/m^3)	7/29/09	12,400,000	11/12/09	10,800,000	2/5/10	8,700,000	4/29/10	34.9[b]
			PCE (µg/m^3)	7/29/09	-1300	11/12/09	2820	2/5/10	4460	4/29/10	2270
			Pressure differential (kPa)	7/29/09	0	11/12/09	0	2/5/10	NS	4/29/10	0
			TCA (µg/m^3)	7/29/09	-56	11/12/09	-2900	2/5/10	-3600	4/29/10	-532
			TCE (µg/m^3)	7/29/09	3190	11/12/09	1960	2/5/10	2540	4/29/10	1430
	20	20	CO_2 (µg/m^3)	7/29/09	13,700,000	11/12/09	13,400,000	2/5/10	11,000,000	4/29/10	10,900,000
			Freon-11 (µg/m^3)	7/29/09	45.9	11/12/09	377	2/5/10	1350	4/29/10	683
			H_2O (µg/m^3)	7/29/09	13,300,000	11/12/09	18,200,000	2/5/10	10,500,000	4/29/10	56.7[b]
			PCE (µg/m^3)	7/29/09	1840	11/12/09	4720	2/5/10	7410	4/29/10	5600
			Pressure differential (kPa)	7/29/09	0	11/12/09	0.08	2/5/10	-0.04	4/29/10	0.06
			TCA (µg/m^3)	7/29/09	15,700	11/12/09	-33,000	2/5/10	-58,000	4/29/10	-26,000
			TCE (µg/m^3)	7/29/09	4360	11/12/09	4980	2/5/10	2220	4/29/10	4290
	60	60	CO_2 (µg/m^3)	7/29/09	11,500,000	11/12/09	13,200,000	2/5/10	13,900,000	4/29/10	11,500,000
			Freon-11 (µg/m^3)	7/29/09	700	11/12/09	1150	2/5/10	1910	4/29/10	1000
			H_2O (µg/m^3)	7/29/09	13,200,000	11/12/09	18,400,000	2/5/10	11,300,000	4/29/10	59.7[b]
			PCE (µg/m^3)	7/29/09	5340	11/12/09	7280	2/5/10	9910	4/29/10	8410
			Pressure differential (kPa)	7/29/09	0.06	11/12/09	0.2	2/5/10	-0.11	4/29/10	0.18
			TCA (µg/m^3)	7/29/09	19,600	11/12/09	-24,000	2/5/10	-62,000	4/29/10	-17,000
			TCE (µg/m^3)	7/29/09	3480	11/12/09	5770	2/5/10	2970	4/29/10	6020
	100	100	CO_2 (µg/m^3)	7/29/09	10,600,000	11/12/09	11,600,000	2/5/10	9,300,000	4/29/10	10,700,000
			Freon-11 (µg/m^3)	7/29/09	1030	11/12/09	1210	2/5/10	1910	4/29/10	1680
			H_2O (µg/m^3)	7/29/09	13,300,000	11/12/09	18,500,000	2/5/10	11,900,000	4/29/10	58.3[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02026 (cont.)	100	100	PCE (µg/m^3)	7/29/09	6820	11/12/09	8270	2/5/10	10,200	4/29/10	9920
			Pressure differential (kPa)	7/29/09	0.14	11/12/09	0.49	2/5/10	-0.25	4/29/10	0.32
			TCA (µg/m^3)	7/29/09	20,200	11/12/09	-17,000	2/5/10	-41,000	4/29/10	-9700
			TCE (µg/m^3)	7/29/09	5270	11/12/09	7120	2/5/10	2610	4/29/10	5180
	160	160	CO_2 (µg/m^3)	7/29/09	8,810,000	11/12/09	9,360,000	2/5/10	1,080,000	4/29/10	8,680,000
			Freon-11 (µg/m^3)	7/29/09	2410	11/12/09	2840	2/5/10	48.7	4/29/10	2390
			H_2O (µg/m^3)	7/29/09	13,300,000	11/12/09	18,200,000	2/5/10	12,200,000	4/29/10	57.9[b]
			PCE (µg/m^3)	7/29/09	10,500	11/12/09	12,700	2/5/10	2680	4/29/10	13,100
			Pressure differential (kPa)	7/29/09	0	11/12/09	0.6	2/5/10	-0.25	4/29/10	0.66
			TCA (µg/m^3)	7/29/09	20,300	11/12/09	-7900	2/5/10	-6300	4/29/10	-595
			TCE (µg/m^3)	7/29/09	5310	11/12/09	7790	2/5/10	1640	4/29/10	5430
	200	200	CO_2 (µg/m^3)	7/29/09	8,430,000	11/12/09	8,960,000	2/5/10	1,020,000	4/29/10	8,820,000
			Freon-11 (µg/m^3)	7/29/09	2140	11/12/09	2460	2/5/10	80.8	4/29/10	2310
			H_2O (µg/m^3)	7/29/09	13,200,000	11/12/09	18,200,000	2/5/10	12,100,000	4/29/10	58.7[b]
			PCE (µg/m^3)	7/29/09	12,100	11/12/09	12,300	2/5/10	2430	4/29/10	14,000
			Pressure differential (kPa)	7/29/09	0.25	11/12/09	0.55	2/5/10	-0.25	4/29/10	0.84
			TCA (µg/m^3)	7/29/09	23,500	11/12/09	-5800	2/5/10	-5500	4/29/10	3080
			TCE (µg/m^3)	7/29/09	3630	11/12/09	7580	2/5/10	1330	4/29/10	6410
	215	215	CO_2 (µg/m^3)	7/29/09	7,370,000	11/12/09	7,750,000	2/5/10	967,000	4/29/10	7,560,000
			Freon-11 (µg/m^3)	7/29/09	1840	11/12/09	2210	2/5/10	161	4/29/10	2490
			H_2O (µg/m^3)	7/29/09	13,500,000	11/12/09	18,100,000	2/5/10	11,700,000	4/29/10	58.2[b]
			PCE (µg/m^3)	7/29/09	9160	11/12/09	11,100	2/5/10	2820	4/29/10	12,800
			Pressure differential (kPa)	7/29/09	0.31	11/12/09	0.77	2/5/10	-0.29	4/29/10	1.03

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02026 (cont.)	215	215	TCA (µg/m^3)	7/29/09	19,200	11/12/09	-4200	2/5/10	-4600	4/29/10	4690
			TCE (µg/m^3)	7/29/09	5330	11/12/09	6430	2/5/10	654	4/29/10	4450
54-02027	Ambient	Ambient	CO_2 (µg/m^3)	7/28/09	801,000	11/10/09	855,000	2/4/10	952,000	4/27/10	838,000
			Freon-11 (µg/m^3)	7/28/09	375	11/10/09	341	2/4/10	1110	4/27/10	-440
			H_2O (µg/m^3)	7/28/09	13,700,000	11/10/09	7,860,000	2/4/10	9,680,000	4/27/10	44.0[b]
			PCE (µg/m^3)	7/28/09	2870	11/10/09	332	2/4/10	5990	4/27/10	1650
			Pressure differential (kPa)	7/28/09	0	11/10/09	0	2/4/10	NS	4/27/10	0
			TCA (µg/m^3)	7/28/09	4710	11/10/09	-2700	2/4/10	-42,000	4/27/10	-629
			TCE (µg/m^3)	7/28/09	3910	11/10/09	2360	2/4/10	-382	4/27/10	1180
	20	20	CO_2 (µg/m^3)	7/28/09	10,900,000	11/10/09	11,300,000	2/4/10	10,400,000	4/27/10	10,500,000
			Freon-11 (µg/m^3)	7/28/09	2260	11/10/09	3630	2/4/10	3420	4/27/10	2280
			H_2O (µg/m^3)	7/28/09	12,800,000	11/10/09	16,200,000	2/4/10	10,300,000	4/27/10	54.4[b]
			PCE (µg/m^3)	7/28/09	10,600	11/10/09	14,300	2/4/10	16,900	4/27/10	12,500
			Pressure differential (kPa)	7/28/09	0	11/10/09	0	2/4/10	0.03	4/27/10	-0.04
			TCA (µg/m^3)	7/28/09	13,300	11/10/09	-30,000	2/4/10	-37,000	4/27/10	9750
			TCE (µg/m^3)	7/28/09	6890	11/10/09	4280	2/4/10	5730	4/27/10	7840
	60	60	CO_2 (µg/m^3)	7/28/09	9,440,000	11/10/09	10,200,000	2/4/10	11,900,000	4/27/10	9,970,000[d]
			Freon-11 (µg/m^3)	7/28/09	4240	11/10/09	4980	2/4/10	6910	4/27/10	5870[d]
			H_2O (µg/m^3)	7/28/09	12,900,000	11/10/09	16,300,000	2/4/10	11,600,000	4/27/10	55.0[b,d]
			PCE (µg/m^3)	7/28/09	25,700	11/10/09	23,400	2/4/10	32,300	4/27/10	25,800[d]
			Pressure differential (kPa)	7/28/09	0	11/10/09	-0.07	2/4/10	0.05	4/27/10	-0.1[d]
			TCA (µg/m^3)	7/28/09	38,900	11/10/09	11,000	2/4/10	-3600	4/27/10	49,900[d]
			TCE (µg/m^3)	7/28/09	12,000	11/10/09	15,000	2/4/10	11,400	4/27/10	12,800[d]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027 (cont.)	100	100	CO_2 (µg/m^3)	7/28/09	8,800,000	11/10/09	6,920,000	2/4/10	11,200,000	4/27/10	8,960,000
			Freon-11 (µg/m^3)	7/28/09	6730	11/10/09	4560	2/4/10	8990	4/27/10	7010
			H_2O (µg/m^3)	7/28/09	13,100,000	11/10/09	14,700,000	2/4/10	11,100,000	4/27/10	54.5[b]
			PCE (µg/m^3)	7/28/09	28,500	11/10/09	19,400	2/4/10	41,600	4/27/10	29,600
			Pressure differential (kPa)	7/28/09	0.02	11/10/09	-0.25	2/4/10	0.1	4/27/10	-0.3
			TCA (µg/m^3)	7/28/09	58,000	11/10/09	16,200	2/4/10	23,900	4/27/10	65,200
			TCE (µg/m^3)	7/28/09	16,500	11/10/09	13,800	2/4/10	14,000	4/27/10	13,400
	160	160	CO_2 (µg/m^3)	7/28/09	7,930,000	11/10/09	7,190,000	2/4/10	9,760,000	4/27/10	5,870,000
			Freon-11 (µg/m^3)	7/28/09	8760	11/10/09	5890	2/4/10	10,800	4/27/10	5400
			H_2O (µg/m^3)	7/28/09	12,900,000	11/10/09	14,700,000	2/4/10	11,400,000	4/27/10	53.5[b]
			PCE (µg/m^3)	7/28/09	40,600	11/10/09	22,500	2/4/10	52,400	4/27/10	24,200
			Pressure differential (kPa)	7/28/09	0.09	11/10/09	-0.41	2/4/10	0.26	4/27/10	-0.47
			TCA (µg/m^3)	7/28/09	73,600	11/10/09	22,200	2/4/10	46,100	4/27/10	49,300
			TCE (µg/m^3)	7/28/09	15,200	11/10/09	10,600	2/4/10	18,300	4/27/10	9330
	200	200	CO_2 (µg/m^3)	7/28/09	6,800,000	11/10/09	6,070,000	2/4/10	8,500,000	4/27/10	5,530,000
			Freon-11 (µg/m^3)	7/28/09	7730	11/10/09	7,140,000	2/4/10	10,700	4/27/10	5060
			H_2O (µg/m^3)	7/28/09	13,100,000	11/10/09	15,600,000	2/4/10	10,700,000	4/27/10	54.0[b]
			PCE (µg/m^3)	7/28/09	36,500	11/10/09	30,000	2/4/10	50,500	4/27/10	22,900
			Pressure differential (kPa)	7/28/09	0.12	11/10/09	-0.55	2/4/10	0.36	4/27/10	-0.58
			TCA (µg/m^3)	7/28/09	59,900	11/10/09	29,000	2/4/10	40,400	4/27/10	42,500
			TCE (µg/m^3)	7/28/09	15,100	11/10/09	16,600	2/4/10	13,600	4/27/10	8380
	220	220	CO_2 (µg/m^3)	7/28/09	6,240,000	11/10/09	3,200,000	2/4/10	8,810,000	4/27/10	6,980,000
			Freon-11 (µg/m^3)	7/28/09	7540	11/10/09	3350	2/4/10	11,200	4/27/10	10,200
			H_2O (µg/m^3)	7/28/09	12,800,000	11/10/09	12,800,000	2/4/10	14,100,000	4/27/10	54.2[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027 (cont.)	220	220	PCE (µg/m^3)	7/28/09	35,400	11/10/09	13,900	2/4/10	52,900	4/27/10	42,500
			Pressure differential (kPa)	7/28/09	0.1	11/10/09	-0.45	2/4/10	0.3	4/27/10	-0.49
			TCA (µg/m^3)	7/28/09	50,600	11/10/09	13,900	2/4/10	39,300	4/27/10	75,300
			TCE (µg/m^3)	7/28/09	14,900	11/10/09	6200	2/4/10	12,900	4/27/10	12,400
	250	250	CO_2 (µg/m^3)	7/28/09	3,340,000	11/10/09	2,990,000	2/4/10	4,440,000	4/27/10	2,160,000
			Freon-11 (µg/m^3)	7/28/09	2760	11/10/09	3430	2/4/10	4830	4/27/10	2090
			H_2O (µg/m^3)	7/28/09	12,700,000	11/10/09	12,600,000	2/4/10	13,100,000	4/27/10	46.7[b]
			PCE (µg/m^3)	7/28/09	15,400	11/10/09	14,600	2/4/10	23,300	4/27/10	9270
			Pressure differential (kPa)	7/28/09	0.1	11/10/09	-0.46	2/4/10	0.27	4/27/10	-0.34
			TCA (µg/m^3)	7/28/09	18,000	11/10/09	10,600	2/4/10	6140	4/27/10	14,700
			TCE (µg/m^3)	7/28/09	6950	11/10/09	5270	2/4/10	4990	4/27/10	3310
54-02028	Ambient	Ambient	CO_2 (µg/m^3)	7/30/09	749,000	11/16/09	908,000	2/10/10	985,000	4/27/10	917,000
			Freon-11 (µg/m^3)	7/30/09	-640	11/16/09	-130	2/10/10	185	4/27/10	-462
			H_2O (µg/m^3)	7/30/09	10,500,000	11/16/09	3,560,000	2/10/10	6,900,000	4/27/10	38.3[b]
			PCE (µg/m^3)	7/30/09	2250	11/16/09	4830	2/10/10	3690	4/27/10	-395
			Pressure differential (kPa)	7/30/09	0	11/16/09	0	2/10/10	NS	4/27/10	0
			TCA (µg/m^3)	7/30/09	141	11/16/09	-516	2/10/10	-4900	4/27/10	1020
			TCE (µg/m^3)	7/30/09	4740	11/16/09	2760	2/10/10	2260	4/27/10	1040
	20	20	CO_2 (µg/m^3)	7/30/09	8,330,000	11/16/09	8,350,000	2/10/10	7,840,000	4/27/10	8,150,000
			Freon-11 (µg/m^3)	7/30/09	352	11/16/09	1170	2/10/10	1340	4/27/10	287
			H_2O (µg/m^3)	7/30/09	14,200,000	11/16/09	7,850,000	2/10/10	7,660,000	4/27/10	55.2[b]
			PCE (µg/m^3)	7/30/09	7340	11/16/09	6430	2/10/10	8600	4/27/10	4900
			Pressure differential (kPa)	7/30/09	0	11/16/09	-0.03	2/10/10	0	4/27/10	0.05

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02028 (cont.)	20	20	TCA (µg/m^3)	7/30/09	656	11/16/09	-700	2/10/10	-44,000	4/27/10	17,500
			TCE (µg/m^3)	7/30/09	3200	11/16/09	6850	2/10/10	3860	4/27/10	5570
	60	60	CO_2 (µg/m^3)	7/30/09	7,840,000	11/16/09	9,190,000	2/10/10	9,290,000	4/27/10	8,080,000
			Freon-11 (µg/m^3)	7/30/09	805	11/16/09	1150	2/10/10	1950	4/27/10	1150
			H_2O (µg/m^3)	7/30/09	13,300,000	11/16/09	9,570,000	2/10/10	7,910,000	4/27/10	55.5[b]
			PCE (µg/m^3)	7/30/09	4130	11/16/09	11,600	2/10/10	10,600	4/27/10	7320
			Pressure differential (kPa)	7/30/09	-0.02	11/16/09	-0.05	2/10/10	0	4/27/10	0.07
			TCA (µg/m^3)	7/30/09	8830	11/16/09	-40,000	2/10/10	-47,000	4/27/10	20,900
			TCE (µg/m^3)	7/30/09	6080	11/16/09	8770	2/10/10	4410	4/27/10	3540
	100	100	CO_2 (µg/m^3)	7/30/09	7,450,000	11/16/09	1,020,000	2/10/10	9,070,000	4/27/10	7,850,000
			Freon-11 (µg/m^3)	7/30/09	2570	11/16/09	-217	2/10/10	2680	4/27/10	1820
			H_2O (µg/m^3)	7/30/09	13,900,000	11/16/09	10,400,000	2/10/10	8,120,000	4/27/10	55.0[b]
			PCE (µg/m^3)	7/30/09	10,600	11/16/09	3030	2/10/10	12,800	4/27/10	9220
			Pressure differential (kPa)	7/30/09	-0.12	11/16/09	-0.27	2/10/10	-0.02	4/27/10	0
			TCA (µg/m^3)	7/30/09	11,600	11/16/09	-5800	2/10/10	-41,000	4/27/10	23,300
			TCE (µg/m^3)	7/30/09	2360	11/16/09	4580	2/10/10	4380	4/27/10	4840
	160	160	CO_2 (µg/m^3)	7/30/09	6,570,000	11/16/09	1,150,000	2/10/10	7,950,000	4/27/10	6,530,000
			Freon-11 (µg/m^3)	7/30/09	1470	11/16/09	369	2/10/10	3060	4/27/10	2160
			H_2O (µg/m^3)	7/30/09	13,600,000	11/16/09	9,700,000	2/10/10	8,270,000	4/27/10	54.3[b]
			PCE (µg/m^3)	7/30/09	9150	11/16/09	2640	2/10/10	16,100	4/27/10	11,000
			Pressure differential (kPa)	7/30/09	-0.15	11/16/09	-0.59	2/10/10	-0.06	4/27/10	-0.25
			TCA (µg/m^3)	7/30/09	14,500	11/16/09	-5300	2/10/10	-29,000	4/27/10	23,100
			TCE (µg/m^3)	7/30/09	5010	11/16/09	2280	2/10/10	5860	4/27/10	5430

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02028 (cont.)	200	200	CO_2 (µg/m^3)	7/30/09	6,470,000	11/16/09	955,000	2/10/10	7,590,000	4/27/10	6,310,000
			Freon-11 (µg/m^3)	7/30/09	-28	11/16/09	-363	2/10/10	3560	4/27/10	2500
			H_2O (µg/m^3)	7/30/09	13,300,000	11/16/09	8,790,000	2/10/10	8,250,000	4/27/10	55.7[b]
			PCE (µg/m^3)	7/30/09	6350	11/16/09	4110	2/10/10	18,200	4/27/10	12,200
			Pressure differential (kPa)	7/30/09	-0.13	11/16/09	-0.52	2/10/10	-0.09	4/27/10	-0.33
			TCA (µg/m^3)	7/30/09	12,500	11/16/09	-4600	2/10/10	-26,000	4/27/10	24,000
			TCE (µg/m^3)	7/30/09	10,700	11/16/09	3030	2/10/10	5150	4/27/10	5800
	220	220	CO_2 (µg/m^3)	7/30/09	5,810,000	11/16/09	1,060,000	2/10/10	7,060,000	4/27/10	6,030,000
			Freon-11 (µg/m^3)	7/30/09	2800	11/16/09	225	2/10/10	3210	4/27/10	2690
			H_2O (µg/m^3)	7/30/09	13,200,000	11/16/09	8,320,000	2/10/10	8,400,000	4/27/10	57.1[b]
			PCE (µg/m^3)	7/30/09	10,300	11/16/09	3790	2/10/10	15,500	4/27/10	11,700
			Pressure differential (kPa)	7/30/09	-0.12	11/16/09	-0.53	2/10/10	-0.09	4/27/10	-0.32
			TCA (µg/m^3)	7/30/09	13,400	11/16/09	-3600	2/10/10	-25,000	4/27/10	23,000
			TCE (µg/m^3)	7/30/09	2050	11/16/09	4160	2/10/10	4330	4/27/10	4780
	250	250	CO_2 (µg/m^3)	7/30/09	5,670,000	11/16/09	1,000,000	2/10/10	3,970,000	4/27/10	3,600,000
			Freon-11 (µg/m^3)	7/30/09	3120	11/16/09	-21	2/10/10	1440	4/27/10	862
			H_2O (µg/m^3)	7/30/09	13,400,000	11/16/09	7,810,000	2/10/10	9,090,000	4/27/10	51.2[b]
			PCE (µg/m^3)	7/30/09	11,500	11/16/09	3020	2/10/10	7780	4/27/10	5250
			Pressure differential (kPa)	7/30/09	-0.09	11/16/09	-0.65	2/10/10	-0.05	4/27/10	-0.32
			TCA (µg/m^3)	7/30/09	7700	11/16/09	-3300	2/10/10	-16,000	4/27/10	14,300
			TCE (µg/m^3)	7/30/09	3040	11/16/09	3710	2/10/10	2620	4/27/10	3500
54-02031	Ambient	Ambient	CO_2 (µg/m^3)	8/17/09	778,000	10/29/09	1,130,000	1/27/10	914,000	4/2/10	843,000
			Freon-11 (µg/m^3)	8/17/09	1150	10/29/09	233	1/27/10	290	4/2/10	27.7
			H_2O (µg/m^3)	8/17/09	6,560,000	10/29/09	6,400,000	1/27/10	7,380,000	4/2/10	18.4[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031 (cont.)	Ambient	Ambient	PCE (µg/m^3)	8/17/09	-6100	10/29/09	3720	1/27/10	4390	4/2/10	3610
			Pressure differential (kPa)	8/17/09	0	10/29/09	0	1/27/10	NS	4/2/10	0
			TCA (µg/m^3)	8/17/09	-1300	10/29/09	-4900	1/27/10	-5300	4/2/10	3140
			TCE (µg/m^3)	8/17/09	337	10/29/09	3130	1/27/10	480	4/2/10	677
	20	20	CO_2 (µg/m^3)	8/17/09	24,800,000	10/29/09	18,100,000	1/27/10	22,500,000	4/2/10	1,890,000
			Freon-11 (µg/m^3)	8/17/09	1770	10/29/09	1880	1/27/10	2960	4/2/10	904
			H_2O (µg/m^3)	8/17/09	15,000,000	10/29/09	7,910,000	1/27/10	10,400,000	4/2/10	40.7[b]
			PCE (µg/m^3)	8/17/09	11,200	10/29/09	13,700	1/27/10	17,200	4/2/10	21,200
			Pressure differential (kPa)	8/17/09	-0.02	10/29/09	0	1/27/10	0	4/2/10	0
			TCA (µg/m^3)	8/17/09	56,200	10/29/09	-70,000	1/27/10	3850	4/2/10	40,500
			TCE (µg/m^3)	8/17/09	15,600	10/29/09	17,300	1/27/10	14,100	4/2/10	23,400
	60	60	CO_2 (µg/m^3)	8/17/09	15,000,000	10/29/09	17,500,000	1/27/10	16,800,000	4/2/10	1,600,000
			Freon-11 (µg/m^3)	8/17/09	2900	10/29/09	5910	1/27/10	4040	4/2/10	3420
			H_2O (µg/m^3)	8/17/09	15,300,000	10/29/09	8,050,000	1/27/10	10,500,000	4/2/10	45.7[b]
			PCE (µg/m^3)	8/17/09	24,900	10/29/09	32,200	1/27/10	27,400	4/2/10	30,400
			Pressure differential (kPa)	8/17/09	-0.1	10/29/09	0	1/27/10	0.03	4/2/10	-0.05
			TCA (µg/m^3)	8/17/09	110,000	10/29/09	36,800	1/27/10	71,700	4/2/10	110,000
			TCE (µg/m^3)	8/17/09	34,400	10/29/09	38,200	1/27/10	30,400	4/2/10	35,800
	100	100	CO_2 (µg/m^3)	8/17/09	12,200,000	10/29/09	14,100,000	1/27/10	13,100,000	4/2/10	12,200,000
			Freon-11 (µg/m^3)	8/17/09	5410	10/29/09	8400	1/27/10	5790	4/2/10	5010
			H_2O (µg/m^3)	8/17/09	15,100,000	10/29/09	8,250,000	1/27/10	10,400,000	4/2/10	47.5[b]
			PCE (µg/m^3)	8/17/09	36,800	10/29/09	43,400	1/27/10	36,000	4/2/10	38,500
			Pressure differential (kPa)	8/17/09	-0.15	10/29/09	0	1/27/10	0	4/2/10	-0.07

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031 (cont.)	100	100	TCA (µg/m^3)	8/17/09	152,000	10/29/09	113,000	1/27/10	132,000	4/2/10	151,000
			TCE (µg/m^3)	8/17/09	41,200	10/29/09	48,000	1/27/10	37,000	4/2/10	45,500
	160	160	CO_2 (µg/m^3)	8/17/09	11,000,000	10/29/09	12,600,000	1/27/10	10,100,000	4/2/10	10,300,000
			Freon-11 (µg/m^3)	8/17/09	6540	10/29/09	10,500	1/27/10	7010	4/2/10	7170
			H_2O (µg/m^3)	8/17/09	15,000,000	10/29/09	8,370,000	1/27/10	10,200,000	4/2/10	48.0[b]
			PCE (µg/m^3)	8/17/09	45,200	10/29/09	50,900	1/27/10	46,900	4/2/10	44,000
			Pressure differential (kPa)	8/17/09	-0.13	10/29/09	0.08	1/27/10	0	4/2/10	0
			TCA (µg/m^3)	8/17/09	166,000	10/29/09	125,000	1/27/10	142,000	4/2/10	150,000
			TCE (µg/m^3)	8/17/09	44,900	10/29/09	48,800	1/27/10	39,600	4/2/10	43,900
	200	200	CO_2 (µg/m^3)	8/17/09	10,800,000	10/29/09	12,200,000	1/27/10	6,500,000	4/2/10	10,400,000
			Freon-11 (µg/m^3)	8/17/09	9480	10/29/09	11,200	1/27/10	6830	4/2/10	6710
			H_2O (µg/m^3)	8/17/09	14,200,000	10/29/09	8,470,000	1/27/10	9,570,000	4/2/10	47.9[b]
			PCE (µg/m^3)	8/17/09	51,500	10/29/09	52,600	1/27/10	27,900	4/2/10	50,800
			Pressure differential (kPa)	8/17/09	-0.13	10/29/09	0.26	1/27/10	-0.2	4/2/10	0.08
			TCA (µg/m^3)	8/17/09	150,000	10/29/09	105,000	1/27/10	76,300	4/2/10	140,000
			TCE (µg/m^3)	8/17/09	37,700	10/29/09	44,500	1/27/10	21,800	4/2/10	44,300
	220	220	CO_2 (µg/m^3)	8/17/09	1,470,000[d]	10/29/09	3,720,000	1/27/10	1,990,000	4/2/10	4,200,000
			Freon-11 (µg/m^3)	8/17/09	544[d]	10/29/09	2130	1/27/10	-672	4/2/10	2400
			H_2O (µg/m^3)	8/17/09	9,340,000[d]	10/29/09	7,580,000	1/27/10	6,600,000	4/2/10	43.8[b]
			PCE (µg/m^3)	8/17/09	3440[d]	10/29/09	12,700	1/27/10	191	4/2/10	15,100
			Pressure differential (kPa)	8/17/09	-0.04[d]	10/29/09	0	1/27/10	0	4/2/10	0
			TCA (µg/m^3)	8/17/09	6520[d]	10/29/09	10,200	1/27/10	5100	4/2/10	34,800
			TCE (µg/m^3)	8/17/09	3010[d]	10/29/09	11,000	1/27/10	3260	4/2/10	13,800

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031 (cont.)	260	260	CO_2 (µg/m^3)	8/17/09	7,700,000	10/29/09	7,720,000	1/27/10	2,130,000	4/2/10	5,140,000
			Freon-11 (µg/m^3)	8/17/09	5550	10/29/09	6650	1/27/10	2220	4/2/10	3270
			H_2O (µg/m^3)	8/17/09	13,100,000	10/29/09	8,320,000	1/27/10	8,440,000	4/2/10	49.8[b]
			PCE (µg/m^3)	8/17/09	35,200	10/29/09	31,600	1/27/10	11,800	4/2/10	23,800
			Pressure differential (kPa)	8/17/09	-0.02	10/29/09	0.1	1/27/10	0	4/2/10	0.07
			TCA (µg/m^3)	8/17/09	83,000	10/29/09	40,100	1/27/10	12,900	4/2/10	39,600
			TCE (µg/m^3)	8/17/09	23,200	10/29/09	23,000	1/27/10	3940	4/2/10	17,400
54-02034	Ambient	Ambient	CO_2 (µg/m^3)	7/22/09	830,000	10/27/09	837,000	1/29/10	1,240,000	4/2/10	888,000
			Freon-11 (µg/m^3)	7/22/09	-67	10/27/09	759	1/29/10	257	4/2/10	-233
			H_2O (µg/m^3)	7/22/09	13,000,000	10/27/09	5,530,000	1/29/10	7,050,000	4/2/10	25.4[b]
			PCE (µg/m^3)	7/22/09	2630	10/27/09	4880	1/29/10	3580	4/2/10	1130
			Pressure differential (kPa)	7/22/09	0	10/27/09	0	2/12/10	0	4/2/10	0
			TCA (µg/m^3)	7/22/09	-89	10/27/09	-2200	1/29/10	-4500	4/2/10	-3400
			TCE (µg/m^3)	7/22/09	-1200	10/27/09	304	1/29/10	2040	4/2/10	1280
	20	20	CO_2 (µg/m^3)	7/22/09	25,900,000	10/27/09	32,900,000	1/29/10	25,100,000	4/2/10	8,640,000
			Freon-11 (µg/m^3)	7/22/09	-630	10/27/09	929	1/29/10	1260	4/2/10	157
			H_2O (µg/m^3)	7/22/09	13,600,000	10/27/09	11,200,000	1/29/10	7,470,000	4/2/10	42.8[b]
			PCE (µg/m^3)	7/22/09	1610	10/27/09	8590	1/29/10	6790	4/2/10	4650
			Pressure differential (kPa)	7/22/09	-0.03	10/27/09	0.12	2/12/10	0.02	4/2/10	-0.7
			TCA (µg/m^3)	7/22/09	48,700	10/27/09	-129,000	1/29/10	-88,000	4/2/10	-2100
			TCE (µg/m^3)	7/22/09	6940	10/27/09	12,900	1/29/10	4150	4/2/10	9530
	60	60	CO_2 (µg/m^3)	7/22/09	16,200,000	10/27/09	20,100,000	1/29/10	16,100,000	4/2/10	15,300,000
			Freon-11 (µg/m^3)	7/22/09	354	10/27/09	927	1/29/10	1050	4/2/10	-1000
			H_2O (µg/m^3)	7/22/09	14,100,000	10/27/09	12,500,000	1/29/10	7,270,000	4/2/10	43.8[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034 (cont.)	60	60	PCE (µg/m^3)	7/22/09	5540	10/27/09	7450	1/29/10	6000	4/2/10	3400
			Pressure differential (kPa)	7/22/09	-0.07	10/27/09	0.33	2/12/10	-0.02	4/2/10	-0.1
			TCA (µg/m^3)	7/22/09	57,000	10/27/09	-42,000	1/29/10	-46,000	4/2/10	-459,000
			TCE (µg/m^3)	7/22/09	9470	10/27/09	16,200	1/29/10	6830	4/2/10	13,700
	100	100	CO_2 (µg/m^3)	7/22/09	12,100,000	10/27/09	17,700,000	1/29/10	11,400,000	4/2/10	12,600,000
			Freon-11 (µg/m^3)	7/22/09	1100	10/27/09	-135	1/29/10	744	4/2/10	-712
			H_2O (µg/m^3)	7/22/09	13,100,000	10/27/09	13,400,000	1/29/10	7,390,000	4/2/10	45.1[b]
			PCE (µg/m^3)	7/22/09	1140	10/27/09	7330	1/29/10	6630	4/2/10	3230
			Pressure differential (kPa)	7/22/09	-0.11	10/27/09	0.54	2/12/10	-0.07	4/2/10	-0.11
			TCA (µg/m^3)	7/22/09	47,300	10/27/09	-20,000	1/29/10	-12,000	4/2/10	14,600
			TCE (µg/m^3)	7/22/09	7700	10/27/09	22,500	1/29/10	8560	4/2/10	16,200
	160	160	CO_2 (µg/m^3)	7/22/09	10,500,000	10/27/09	11,700,000	1/29/10	6,510,000	4/2/10	9,550,000
			Freon-11 (µg/m^3)	7/22/09	220	10/27/09	892	1/29/10	514	4/2/10	26.6
			H_2O (µg/m^3)	7/22/09	13,600,000	10/27/09	12,900,000	1/29/10	7,140,000	4/2/10	44.1[b]
			PCE (µg/m^3)	7/22/09	5830	10/27/09	9840	1/29/10	4430	4/2/10	4410
			Pressure differential (kPa)	7/22/09	-0.11	10/27/09	0.54	2/12/10	-0.18	4/2/10	0.05
			TCA (µg/m^3)	7/22/09	40,000	10/27/09	-23,000	1/29/10	-10,000	4/2/10	7280
			TCE (µg/m^3)	7/22/09	6320	10/27/09	11,300	1/29/10	5030	4/2/10	10,800
	200	200	CO_2 (µg/m^3)	7/22/09	8,330,000	10/27/09	12,000,000	1/29/10	1,600,000	4/2/10	8,373,000
			Freon-11 (µg/m^3)	7/22/09	928	10/27/09	437	1/29/10	47.4	4/2/10	63
			H_2O (µg/m^3)	7/22/09	12,700,000	10/27/09	12,900,000	1/29/10	6,990,000	4/2/10	40.4[b]
			PCE (µg/m^3)	7/22/09	1680	10/27/09	5060	1/29/10	2970	4/2/10	4790
			Pressure differential (kPa)	7/22/09	-0.09	10/27/09	0.46	2/12/10	-0.19	4/2/10	0.11

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034 (cont.)	200	200	TCA (µg/m^3)	7/22/09	27,000	10/27/09	-28,000	1/29/10	-6000	4/2/10	109
			TCE (µg/m^3)	7/22/09	8570	10/27/09	12,200	1/29/10	2590	4/2/10	8360
	220	220	CO_2 (µg/m^3)	7/22/09	6,400,000	10/27/09	10,900,000	1/29/10	1,600,000	4/2/10	1,010,000
			Freon-11 (µg/m^3)	7/22/09	1050	10/27/09	539	1/29/10	197	4/2/10	-486
			H_2O (µg/m^3)	7/22/09	12,100,000	10/27/09	13,400,000	1/29/10	6,490,000	4/2/10	38.2[b]
			PCE (µg/m^3)	7/22/09	-804	10/27/09	7600	1/29/10	3050	4/2/10	422
			Pressure differential (kPa)	7/22/09	-0.11	10/27/09	0.56	2/12/10	-0.2	4/2/10	0.15
			TCA (µg/m^3)	7/22/09	16,700	10/27/09	-29,000	1/29/10	-5200	4/2/10	-3900
			TCE (µg/m^3)	7/22/09	3130	10/27/09	11,200	1/29/10	1870	4/2/10	1660
	260	260	CO_2 (µg/m^3)	7/22/09	4,490,000	10/27/09	6,450,000	1/29/10	1,260,000	4/2/10	3,650,000
			Freon-11 (µg/m^3)	7/22/09	-478	10/27/09	328	1/29/10	109	4/2/10	355
			H_2O (µg/m^3)	7/22/09	12,800,000	10/27/09	13,700,000	1/29/10	7,060,000	4/2/10	41.2[b]
			PCE (µg/m^3)	7/22/09	2110	10/27/09	4930	1/29/10	2740	4/2/10	1790
			Pressure differential (kPa)	7/22/09	-0.07	10/27/09	0.45	2/12/10	-0.17	4/2/10	0.15
			TCA (µg/m^3)	7/22/09	2880	10/27/09	-28,000	1/29/10	-3500	4/2/10	-8700
			TCE (µg/m^3)	7/22/09	1890	10/27/09	4280	1/29/10	2230	4/2/10	1380
	300	300	CO_2 (µg/m^3)	7/22/09	3,420,000	10/27/09	4,560,000	1/29/10	1,310,000	4/2/10	3,590,000
			Freon-11 (µg/m^3)	7/22/09	-440	10/27/09	-380	1/29/10	44.4	4/2/10	-870
			H_2O (µg/m^3)	7/22/09	13,600,000	10/27/09	14,300,000	1/29/10	6,930,000	4/2/10	43.8[b]
			PCE (µg/m^3)	7/22/09	544	10/27/09	1050	1/29/10	3070	4/2/10	4510
			Pressure differential (kPa)	7/22/09	-0.09	10/27/09	0.42	2/12/10	-0.18	4/2/10	0.18
			TCA (µg/m^3)	7/22/09	1860	10/27/09	-19,000	1/29/10	-4600	4/2/10	-11,000
			TCE (µg/m^3)	7/22/09	2860	10/27/09	4930	1/29/10	1950	4/2/10	2260

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02089	Ambient	Ambient	CO_2 (µg/m^3)	7/21/09	805,000	11/3/09	1,100,000	1/26/10	3,030,000	4/20/10	819,000
			Freon-11 (µg/m^3)	7/21/09	-237	11/3/09	-206	1/26/10	307	4/20/10	-73
			H_2O (µg/m^3)	7/21/09	11,800,000	11/3/09	9,390,000	1/26/10	9,830,000	4/20/10	44.7[b]
			PCE (µg/m^3)	7/21/09	2340	11/3/09	2200	1/26/10	4500	4/20/10	2090
			Pressure differential (kPa)	7/21/09	0	11/3/09	0	1/26/10	NS	4/20/10	0
			TCA (µg/m^3)	7/21/09	-1100	11/3/09	-5500	1/26/10	-15,000	4/20/10	-335
			TCE (µg/m^3)	7/21/09	1070	11/3/09	2590	1/26/10	2980	4/20/10	2060
	13	13	CO_2 (µg/m^3)	7/21/09	52,100,000	11/3/09	61,100,000	1/26/10	55,000,000	4/20/10	49,800,000
			Freon-11 (µg/m^3)	7/21/09	97,600	11/3/09	84,800	1/26/10	113,000	4/20/10	147,000
			H_2O (µg/m^3)	7/21/09	17,100,000	11/3/09	17,300,000	1/26/10	7,770,000	4/20/10	59.4[b]
			PCE (µg/m^3)	7/21/09	688,000	11/3/09	490,000	1/26/10	722,000	4/20/10	911,000
			Pressure differential (kPa)	7/21/09	-0.02	11/3/09	0	1/26/10	0.02	4/20/10	0.04
			TCA (µg/m^3)	7/21/09	1,800,000	11/3/09	1,420,000	1/26/10	1,450,000	4/20/10	1,990,000
			TCE (µg/m^3)	7/21/09	633,000	11/3/09	768,000	1/26/10	569,000	4/20/10	553,000
	31	31	CO_2 (µg/m^3)	7/21/09	35,200,000	11/3/09	62,100,000	1/26/10	57,900,000	4/20/10	52,900,000
			Freon-11 (µg/m^3)	7/21/09	98,700	11/3/09	224,000	1/26/10	196,000	4/20/10	199,000
			H_2O (µg/m^3)	7/21/09	14,300,000	11/3/09	17,500,000	1/26/10	7,490,000	4/20/10	58.2[b]
			PCE (µg/m^3)	7/21/09	712,000	11/3/09	1,220,000	1/26/10	1,330,000	4/20/10	1,340,000
			Pressure differential (kPa)	7/21/09	-0.02	11/3/09	0	1/26/10	0.02	4/20/10	0.05
			TCA (µg/m^3)	7/21/09	1,540,000	11/3/09	2,390,000	1/26/10	2,360,000	4/20/10	2,780,000
			TCE (µg/m^3)	7/21/09	425,000	11/3/09	643,000	1/26/10	558,000	4/20/10	641,000
	46	46	CO_2 (µg/m^3)	7/21/09	50,600,000	11/3/09	56,200,000	1/26/10	57,100,000	4/20/10	55,500,000
			Freon-11 (µg/m^3)	7/21/09	189,000	11/3/09	230,000	1/26/10	243,000	4/20/10	259,000
			H_2O (µg/m^3)	7/21/09	17,200,000	11/3/09	17,200,000	1/26/10	7,880,000	4/20/10	57.5[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02089 (cont.)	46	46	PCE (µg/m^3)	7/21/09	1380	11/3/09	1,250,000	1/26/10	1,650,000	4/20/10	1,680,000
			Pressure differential (kPa)	7/21/09	-0.05	11/3/09	0	1/26/10	0	4/20/10	0.07
			TCA (µg/m^3)	7/21/09	2990	11/3/09	2,560,000	1/26/10	3,090,000	4/20/10	3,740,000
			TCE (µg/m^3)	7/21/09	741,000	11/3/09	583,000	1/26/10	601,000	4/20/10	722,000
	86	86	CO_2 (µg/m^3)	7/21/09	46,300,000	11/3/09	52,300,000	1/26/10	47,800,000	4/20/10	50,600,000
			Freon-11 (µg/m^3)	7/21/09	187,000	11/3/09	253,000	1/26/10	223,000	4/20/10	262,000
			H_2O (µg/m^3)	7/21/09	16,300,000	11/3/09	17,400,000	1/26/10	8,080,000	4/20/10	58.5[b]
			PCE (µg/m^3)	7/21/09	1,340,000	11/3/09	1,370,000	1/26/10	1,510,000	4/20/10	1,580,000
			Pressure differential (kPa)	7/21/09	-0.03	11/3/09	0	1/26/10	0.03	4/20/10	0.13
			TCA (µg/m^3)	7/21/09	3,310,000	11/3/09	3,330,000	1/26/10	3,100,000	4/20/10	4,020,000
			TCE (µg/m^3)	7/21/09	825,000	11/3/09	811,000	1/26/10	650,000	4/20/10	758,000
54-24238	Ambient	Ambient	CO_2 (µg/m^3)	7/21/09	16,700,000	11/3/09	1,280,000	1/26/10	1,790,000	4/21/10	1,340,000
			Freon-11 (µg/m^3)	7/21/09	448	11/3/09	-304	1/26/10	595	4/21/10	-95
			H_2O (µg/m^3)	7/21/09	11,000,000	11/3/09	8,780,000	1/26/10	1,700,000	4/21/10	47.0[b]
			PCE (µg/m^3)	7/21/09	14,200	11/3/09	5030	1/26/10	7020	4/21/10	3510
			Pressure differential (kPa)	7/21/09	0	11/3/09	0	1/26/10	NS	4/21/10	0
			TCA (µg/m^3)	7/21/09	4490	11/3/09	-7500	1/26/10	-14,000	4/21/10	-2700
			TCE (µg/m^3)	7/21/09	25,400	11/3/09	3930	1/26/10	3210	4/21/10	2200
	44	43–45	CO_2 (µg/m^3)	7/21/09	55,000,000	11/3/09	68,300,000	1/26/10	1,300,000	4/21/10	53,100,000
			Freon-11 (µg/m^3)	7/21/09	216,000	11/3/09	285,000	1/26/10	301	4/21/10	302,000
			H_2O (µg/m^3)	7/21/09	15,600,000	11/3/09	19,300,000	1/26/10	4,850,000	4/21/10	61.9[b]
			PCE (µg/m^3)	7/21/09	1,620,000	11/3/09	1,640,000	1/26/10	6850	4/21/10	1,950,000
			Pressure differential (kPa)	7/21/09	0	11/3/09	0.06	1/26/10	0.38	4/21/10	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24238 (cont.)	44	43–45	TCA (µg/m^3)	7/21/09	2,960,000	11/3/09	3,030,000	1/26/10	-6800	4/21/10	3,320,000
			TCE (µg/m^3)	7/21/09	651,000	11/3/09	685,000	1/26/10	3840	4/21/10	530,000
	64	63–65	CO_2 (µg/m^3)	7/21/09	46,100,000	11/3/09	53,500,000	1/26/10	38,200,000	4/21/10	47,000,000
			Freon-11 (µg/m^3)	7/21/09	219,000	11/3/09	295,000	1/26/10	195,000	4/21/10	294
			H_2O (µg/m^3)	7/21/09	15,400,000	11/3/09	18,200,000	1/26/10	10,500,000	4/21/10	57.4[b]
			PCE (µg/m^3)	7/21/09	1,630,000	11/3/09	1,670,000	1/26/10	1,340,000	4/21/10	1,790,000
			Pressure differential (kPa)	7/21/09	0.27	11/3/09	0.03	1/26/10	1.01	4/21/10	0
			TCA (µg/m^3)	7/21/09	3,480,000	11/3/09	3,250,000	1/26/10	2,220,000	4/21/10	3,400,000
			TCE (µg/m^3)	7/21/09	611,000	11/3/09	603,000	1/26/10	366,000	4/21/10	489,000
	84	83–85	CO_2 (µg/m^3)	7/21/09	43,700,000	11/3/09	51,400,000	1/26/10	1,240,000	4/21/10	41,500,000
			Freon-11 (µg/m^3)	7/21/09	198,000	11/3/09	287,000	1/26/10	423	4/21/10	232,000
			H_2O (µg/m^3)	7/21/09	15,500,000	11/3/09	18,100,000	1/26/10	4,360,000	4/21/10	59.0[b]
			PCE (µg/m^3)	7/21/09	1,420,000	11/3/09	1,600,000	1/26/10	6730	4/21/10	1,350,000
			Pressure differential (kPa)	7/21/09	0.22	11/3/09	0.04	1/26/10	0.35	4/21/10	0
			TCA (µg/m^3)	7/21/09	2,990,000	11/3/09	3,110,000	1/26/10	-9000	4/21/10	2,840,000
			TCE (µg/m^3)	7/21/09	637000	11/3/09	629,000	1/26/10	2560	4/21/10	510,000
54-24239	Ambient	Ambient	CO_2 (µg/m^3)	7/17/09	794,000	11/2/09	961,000	1/25/10	1,310,000	4/19/10	1,670,000
			Freon-11 (µg/m^3)	7/17/09	-313	11/2/09	113	1/25/10	387	4/19/10	131
			H_2O (µg/m^3)	7/17/09	9,850,000	11/2/09	7,190,000	1/25/10	6,080,000	4/19/10	53.3[b]
			PCE (µg/m^3)	7/17/09	-820	11/2/09	3130	1/25/10	11,200	4/19/10	3980
			Pressure differential (kPa)	7/17/09	0	11/2/09	0	1/25/10	NS	4/19/10	0
			TCA (µg/m^3)	7/17/09	-1500	11/2/09	-2200	1/25/10	-8600	4/19/10	-5900
			TCE (µg/m^3)	7/17/09	3660	11/2/09	2020	1/25/10	866	4/19/10	2780

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24239 (cont.)	25	24–26	CO_2 (µg/m^3)	7/17/09	10,600,000	11/2/09	22,600,000	1/25/10	24,400,000	4/19/10	2,250,000
			Freon-11 (µg/m^3)	7/17/09	6840	11/2/09	27,400	1/25/10	33,700	4/19/10	35,700
			H_2O (µg/m^3)	7/17/09	12,100,000	11/2/09	16,900,000	1/25/10	6,360,000	4/19/10	56.3[b]
			PCE (µg/m^3)	7/17/09	179,000	11/2/09	405,000	1/25/10	533,000	4/19/10	514,000
			Pressure differential (kPa)	7/17/09	0	11/2/09	-0.05	1/25/10	-0.09	4/19/10	0.05
			TCA (µg/m^3)	7/17/09	280,000	11/2/09	486,000	1/25/10	569,000	4/19/10	657,000
			TCE (µg/m^3)	7/17/09	79,400	11/2/09	147,000	1/25/10	142,000	4/19/10	145,000
	50	49–51	CO_2 (µg/m^3)	7/17/09	9,190,000	11/2/09	24,100,000	1/25/10	25,100,000	4/19/10	2,360,000
			Freon-11 (µg/m^3)	7/17/09	8550	11/2/09	34,300	1/25/10	36,800	4/19/10	41,000
			H_2O (µg/m^3)	7/17/09	11,200,000	11/2/09	18,200,000	1/25/10	6,660,000	4/19/10	59.4[b]
			PCE (µg/m^3)	7/17/09	174,000	11/2/09	474,000	1/25/10	564,000	4/19/10	571,000
			Pressure differential (kPa)	7/17/09	0	11/2/09	-0.08	1/25/10	-0.09	4/19/10	0.05
			TCA (µg/m^3)	7/17/09	278,000	11/2/09	656,000	1/25/10	677,000	4/19/10	778,000
			TCE (µg/m^3)	7/17/09	78,500	11/2/09	193,000	1/25/10	168,000	4/19/10	170,000
	75	74–76	CO_2 (µg/m^3)	7/17/09	8,510,000	11/2/09	22,300,000	1/25/10	23,000,000	4/19/10	2,250,000
			Freon-11 (µg/m^3)	7/17/09	8500	11/2/09	33,800	1/25/10	36,000	4/19/10	42,500
			H_2O (µg/m^3)	7/17/09	10,700,000	11/2/09	19,600,000	1/25/10	7,050,000	4/19/10	61.5[b]
			PCE (µg/m^3)	7/17/09	161,000	11/2/09	452,000	1/25/10	526,000	4/19/10	558,000
			Pressure differential (kPa)	7/17/09	-0.03	11/2/09	-0.13	1/25/10	-0.13	4/19/10	0.05
			TCA (µg/m^3)	7/17/09	290,000	11/2/09	681,000	1/25/10	687,000	4/19/10	832,000
			TCE (µg/m^3)	7/17/09	81,100	11/2/09	192,000	1/25/10	167,000	4/19/10	181,000
	99.5	98.5–100.5	CO_2 (µg/m^3)	7/17/09	8,630,000	11/2/09	22,300,000	1/25/10	23,800,000	4/19/10	2,300,000
			Freon-11 (µg/m^3)	7/17/09	8590	11/2/09	35,900	1/25/10	39,500	4/19/10	47,100
			H_2O (µg/m^3)	7/17/09	10,500,000	11/2/09	19,200,000	1/25/10	6,680,000	4/19/10	60.7[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24239 (cont.)	99.5	98.5–100.5	PCE (µg/m^3)	7/17/09	147,000	11/2/09	426,000	1/25/10	526,000	4/19/10	554,000
			Pressure differential (kPa)	7/17/09	-0.04	11/2/09	-0.12	1/25/10	-0.11	4/19/10	0.05
			TCA (µg/m^3)	7/17/09	296,000	11/2/09	744,000	1/25/10	757,000	4/19/10	951,000
			TCE (µg/m^3)	7/17/09	80,900	11/2/09	205,000	1/25/10	185,000	4/19/10	204,000
54-24240	Ambient	Ambient	CO_2 (µg/m^3)	7/17/09	1,010,000	11/2/09	1,340,000	1/25/10	1,540,000	4/19/10	1,180,000
			Freon-11 (µg/m^3)	7/17/09	-138	11/2/09	-177	1/25/10	476	4/19/10	39.1
			H_2O (µg/m^3)	7/17/09	9,860,000	11/2/09	6,620,000	1/25/10	6,860,000	4/19/10	45.6[b]
			PCE (µg/m^3)	7/17/09	242	11/2/09	4760	1/25/10	12,200	4/19/10	2350
			Pressure differential (kPa)	7/17/09	0	11/2/09	0	1/25/10	NS	4/19/10	0
			TCA (µg/m^3)	7/17/09	468	11/2/09	-1300	1/25/10	-11,000	4/19/10	-1700
			TCE (µg/m^3)	7/17/09	1260	11/2/09	259	1/25/10	1560	4/19/10	1880
	28	27–29	CO_2 (µg/m^3)	7/17/09	21,800,000	11/2/09	35,800,000	1/25/10	32,700,000	4/19/10	2,950,000
			Freon-11 (µg/m^3)	7/17/09	23,300	11/2/09	36,500	1/25/10	55,000	4/19/10	58,500
			H_2O (µg/m^3)	7/17/09	13,500,000	11/2/09	21,500,000	1/25/10	7,230,000	4/19/10	60.4[b]
			PCE (µg/m^3)	7/17/09	345,000	11/2/09	470,000	1/25/10	627,000	4/19/10	597,000
			Pressure differential (kPa)	7/17/09	0	11/2/09	0	1/25/10	0	4/19/10	0
			TCA (µg/m^3)	7/17/09	1,320,000	11/2/09	1,760,000	1/25/10	1,810,000	4/19/10	1,940,000
			TCE (µg/m^3)	7/17/09	570,000	11/2/09	1,000,000	1/25/10	1,000,000	4/19/10	1,010,000
	53	52–54	CO_2 (µg/m^3)	7/17/09	16,800,000	11/2/09	35,600,000	1/25/10	35,000,000	4/19/10	2,680,000
			Freon-11 (µg/m^3)	7/17/09	30,000	11/2/09	66,700	1/25/10	76,600	4/19/10	75,700
			H_2O (µg/m^3)	7/17/09	14,600,000	11/2/09	23,200,000	1/25/10	7,220,000	4/19/10	58.5[b]
			PCE (µg/m^3)	7/17/09	307,000	11/2/09	600,000	1/25/10	748,000	4/19/10	619,000
			Pressure differential (kPa)	7/17/09	0	11/2/09	0	1/25/10	0	4/19/10	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24240 (cont.)	53	52–54	TCA (µg/m^3)	7/17/09	1,499,000	11/2/09	2,780,000	1/25/10	2,730,000	4/19/10	2,540,000
			TCE (µg/m^3)	7/17/09	530,000	11/2/09	1,210,000	1/25/10	1,080,000	4/19/10	981,000
	78	77–79	CO_2 (µg/m^3)	7/17/09	12,000,000	11/2/09	26,500,000	1/25/10	27,800,000	4/19/10	2,250,000
			Freon-11 (µg/m^3)	7/17/09	18,300	11/2/09	50,900	1/25/10	54,700	4/19/10	49,200
			H_2O (µg/m^3)	7/17/09	12,800,000	11/2/09	19,600,000	1/25/10	6,910,000	4/19/10	59.1[b]
			PCE (µg/m^3)	7/17/09	208,000	11/2/09	448,000	1/25/10	535,000	4/19/10	460,000
			Pressure differential (kPa)	7/17/09	-0.04	11/2/09	-0.07	1/25/10	-0.09	4/19/10	-0.03
			TCA (µg/m^3)	7/17/09	883,000	11/2/09	1,890,000	1/25/10	1,880,000	4/19/10	1,870,000
			TCE (µg/m^3)	7/17/09	260,000	11/2/09	630,000	1/25/10	551,000	4/19/10	508,000
	103	102–104	CO_2 (µg/m^3)	7/17/09	19,800,000	11/2/09	19,900,000	1/25/10	20,800,000	4/19/10	1,800,000
			Freon-11 (µg/m^3)	7/17/09	26,400	11/2/09	33,000	1/25/10	35,900	4/19/10	29,300
			H_2O (µg/m^3)	7/17/09	12,800,000	11/2/09	17,600,000	1/25/10	7,110,000	4/19/10	61.5[b]
			PCE (µg/m^3)	7/17/09	328,000	11/2/09	305,000	1/25/10	351,000	4/19/10	297,000
			Pressure differential (kPa)	7/17/09	-0.09	11/2/09	-0.2	1/25/10	-0.11	4/19/10	-0.04
			TCA (µg/m^3)	7/17/09	1,560,000	11/2/09	1,430,000	1/25/10	1,410,000	4/19/10	1,430,000
			TCE (µg/m^3)	7/17/09	399,000	11/2/09	412,000	1/25/10	353,000	4/19/10	338,000
	128	127–129	CO_2 (µg/m^3)	7/17/09	14,200,000	11/2/09	17,300,000	1/25/10	17,800,000	4/19/10	1,600,000
			Freon-11 (µg/m^3)	7/17/09	16,300	11/2/09	27,500	1/25/10	28,300	4/19/10	24,700
			H_2O (µg/m^3)	7/17/09	11,700,000	11/2/09	17,700,000	1/25/10	6,880,000	4/19/10	56.8[b]
			PCE (µg/m^3)	7/17/09	185,000	11/2/09	236,000	1/25/10	249,000	4/19/10	218,000
			Pressure differential (kPa)	7/17/09	-0.15	11/2/09	-0.32	1/25/10	-0.28	4/19/10	-0.03
			TCA (µg/m^3)	7/17/09	1,060,000	11/2/09	1,220,000	1/25/10	1,160,000	4/19/10	1,260,000
			TCE (µg/m^3)	7/17/09	251,000	11/2/09	323,000	1/25/10	263,000	4/19/10	271,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24240 (cont.)	153	152–154	CO_2 (µg/m^3)	7/17/09	13,00,000	11/2/09	16,100,000	1/25/10	14,400,000	4/19/10	1,400,000
			Freon-11 (µg/m^3)	7/17/09	16,400	11/2/09	25,900	1/25/10	22,000	4/19/10	22,100
			H_2O (µg/m^3)	7/17/09	14,200,000	11/2/09	16,400,000	1/25/10	6,680,000	4/19/10	61.4[b]
			PCE (µg/m^3)	7/17/09	159,000	11/2/09	205,000	1/25/10	181,000	4/19/10	181,000
			Pressure differential (kPa)	7/17/09	0	11/2/09	-0.49	1/25/10	0	4/19/10	0
			TCA (µg/m^3)	7/17/09	1,000,000	11/2/09	1,130,000	1/25/10	919,000	4/19/10	1,120,000
			TCE (µg/m^3)	7/17/09	241,000	11/2/09	283,000	1/25/10	207,000	4/19/10	244,000
54-24241	Ambient	Ambient	CO_2 (µg/m^3)	7/20/09	997,000	11/2/09	7,590,000	2/11/10	1,030,000	4/20/10	907,000
			Freon-11 (µg/m^3)	7/20/09	-45	11/2/09	-772	2/11/10	322	4/20/10	506
			H_2O (µg/m^3)	7/20/09	10,200,000	11/2/09	7,590,000	2/11/10	9,590,000	4/20/10	47.6[b]
			PCE (µg/m^3)	7/20/09	1480	11/2/09	2400	2/11/10	5140	4/20/10	2930
			Pressure differential (kPa)	7/20/09	0	11/2/09	0	2/11/10	NS	4/20/10	0
			TCA (µg/m^3)	7/20/09	-550	11/2/09	-3400	2/11/10	-5800	4/20/10	-389
			TCE (µg/m^3)	7/20/09	1870	11/2/09	4120	2/11/10	2390	4/20/10	1200
	73	71–74	CO_2 (µg/m^3)	7/20/09	30,800,000	11/2/09	31,900,000	2/11/10	33,600,000	4/20/10	2,660,000
			Freon-11 (µg/m^3)	7/20/09	58,300	11/2/09	74,900	2/11/10	70,400	4/20/10	63,500
			H_2O (µg/m^3)	7/20/09	15,400,000	11/2/09	18,700,000	2/11/10	10,500,000	4/20/10	62.9[b]
			PCE (µg/m^3)	7/20/09	536,000	11/2/09	503,000	2/11/10	580,000	4/20/10	457,000
			Pressure differential (kPa)	7/20/09	0.09	11/2/09	-0.15	2/11/10	-0.03	4/20/10	0.03
			TCA (µg/m^3)	7/20/09	1,754,000	11/2/09	1,560,000	2/11/10	1,550,000	4/20/10	1,550,000
			TCE (µg/m^3)	7/20/09	374,000	11/2/09	353,000	2/11/10	336,000	4/20/10	281,000
	93	92–94	CO_2 (µg/m^3)	7/20/09	28,900,000	11/2/09	28,500,000	2/11/10	29,800,000	4/20/10	2,480,000
			Freon-11 (µg/m^3)	7/20/09	55,200	11/2/09	68,200	2/11/10	63,400	4/20/10	58,800
			H_2O (µg/m^3)	7/20/09	15,200,000	11/2/09	17,000,000	2/11/10	10,800,000	4/20/10	65.7[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241 (cont.)	93	92–94	PCE (µg/m^3)	7/20/09	508,000	11/2/09	472,000	2/11/10	528,000	4/20/10	433,000
			Pressure differential (kPa)	7/20/09	0.12	11/2/09	-0.22	2/11/10	-0.05	4/20/10	0
			TCA (µg/m^3)	7/20/09	1,530,000	11/2/09	1,390,000	2/11/10	1,320,000	4/20/10	1,310,000
			TCE (µg/m^3)	7/20/09	360,000	11/2/09	352,000	2/11/10	314,000	4/20/10	270,000
	113	112–114	CO_2 (µg/m^3)	7/20/09	25,500,000	11/2/09	22,900,000	2/11/10	23,600,000	4/20/10	2,050,000
			Freon-11 (µg/m^3)	7/20/09	48,600	11/2/09	52,600	2/11/10	46,500	4/20/10	45,500
			H_2O (µg/m^3)	7/20/09	15,900,000	11/2/09	19,000,000	2/11/10	10,700,000	4/20/10	66.5[b]
			PCE (µg/m^3)	7/20/09	423,000	11/2/09	345,000	2/11/10	372,000	4/20/10	325,000
			Pressure differential (kPa)	7/20/09	0.13	11/2/09	-0.27	2/11/10	-0.05	4/20/10	0.04
			TCA (µg/m^3)	7/20/09	1,240,000	11/2/09	1,000,000	2/11/10	864,000	4/20/10	933,000
			TCE (µg/m^3)	7/20/09	299,000	11/2/09	262,000	2/11/10	225,000	4/20/10	205,000
	133	132–134	CO_2 (µg/m^3)	7/20/09	21,800,000	11/2/09	19,900,000	2/11/10	19,100,000	4/20/10	1,580,000
			Freon-11 (µg/m^3)	7/20/09	46,500	11/2/09	48,400	2/11/10	46,700	4/20/10	41,100
			H_2O (µg/m^3)	7/20/09	14,000,000	11/2/09	18,600,000	2/11/10	11,200,000	4/20/10	66.4[b]
			PCE (µg/m^3)	7/20/09	368,000	11/2/09	296,000	2/11/10	335,000	4/20/10	265,000
			Pressure differential (kPa)	7/20/09	0.14	11/2/09	-0.35	2/11/10	0	4/20/10	0
			TCA (µg/m^3)	7/20/09	1,020,000	11/2/09	807,000	2/11/10	769,000	4/20/10	751,000
			TCE (µg/m^3)	7/20/09	255,000	11/2/09	214,000	2/11/10	200,000	4/20/10	167,000
	153	152–154	CO_2 (µg/m^3)	7/20/09	20,800,000	11/2/09	19,400,000	2/11/10	19,500,000	4/20/10	1,660,000
			Freon-11 (µg/m^3)	7/20/09	46,500	11/2/09	50,800	2/11/10	48,900	4/20/10	43,900
			H_2O (µg/m^3)	7/20/09	15,100,000	11/2/09	17,900,000	2/11/10	10,900,000	4/20/10	65.5[b]
			PCE (µg/m^3)	7/20/09	351,000	11/2/09	301,000	2/11/10	326,000	4/20/10	267,000
			Pressure differential (kPa)	7/20/09	0.16	11/2/09	-0.46	2/11/10	0	4/20/10	0.07

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241 (cont.)	153	152–154	TCA (µg/m^3)	7/20/09	966,000	11/2/09	849,000	2/11/10	732,000	4/20/10	740,000
			TCE (µg/m^3)	7/20/09	250,000	11/2/09	230,000	2/11/10	194,000	4/20/10	169,000
	173	172–174	CO_2 (µg/m^3)	7/20/09	20,100,000	11/2/09	18,400,000	2/11/10	19,700,000	4/20/10	1,160,000
			Freon-11 (µg/m^3)	7/20/09	49,900	11/2/09	44,500	2/11/10	51,800	4/20/10	32,200
			H_2O (µg/m^3)	7/20/09	15,300,000	11/2/09	17,400,000	2/11/10	11,600,000	4/20/10	63.3[b]
			PCE (µg/m^3)	7/20/09	354,000	11/2/09	269,000	2/11/10	335,000	4/20/10	187,000
			Pressure differential (kPa)	7/20/09	0.17	11/2/09	-0.46	2/11/10	0	4/20/10	0.08
			TCA (µg/m^3)	7/20/09	952,000	11/2/09	739,000	2/11/10	744,000	4/20/10	505,000
			TCE (µg/m^3)	7/20/09	248,000	11/2/09	212,000	2/11/10	195,000	4/20/10	118,000
	193	192–194	CO_2 (µg/m^3)	7/20/09	19,300,000	11/2/09	19,400,000	2/11/10	20,500,000	4/20/10	1,280,000
			Freon-11 (µg/m^3)	7/20/09	51,700	11/2/09	47,600	2/11/10	59,000	4/20/10	38,900
			H_2O (µg/m^3)	7/20/09	15,500,000	11/2/09	18,500,000	2/11/10	12,300,000	4/20/10	64.8[b]
			PCE (µg/m^3)	7/20/09	347,000	11/2/09	291,000	2/11/10	372,000	4/20/10	219,000
			Pressure differential (kPa)	7/20/09	0	11/2/09	0	2/11/10	0	4/20/10	0
			TCA (µg/m^3)	7/20/09	917,000	11/2/09	822,000	2/11/10	804,000	4/20/10	598,000
			TCE (µg/m^3)	7/20/09	240,000	11/2/09	240,000	2/11/10	215,000	4/20/10	134,000
54-24242	Ambient	Ambient	CO_2 (µg/m^3)	7/16/09	776,000	11/2/09	913,000	1/25/10	935,000	4/20/10	986,000
			Freon-11 (µg/m^3)	7/16/09	-1500	11/2/09	-579	1/25/10	-14	4/20/10	-410
			H_2O (µg/m^3)	7/16/09	5,360,000	11/2/09	7,350,000	1/25/10	3,670,000	4/20/10	50.2[b]
			PCE (µg/m^3)	7/16/09	173	11/2/09	-773	1/25/10	992	4/20/10	2210
			Pressure differential (kPa)	7/16/09	0	11/2/09	0	1/25/10	NS	4/20/10	0
			TCA (µg/m^3)	7/16/09	-1600	11/2/09	-218	1/25/10	-4400	4/20/10	-145
			TCE (µg/m^3)	7/16/09	5570	11/2/09	2620	1/25/10	2930	4/20/10	1110

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24242 (cont.)	25	24–26	CO_2 (µg/m^3)	7/16/09	14,400,000	11/2/09	25,300,000	1/25/10	19,700,000	4/20/10	1,880,000
			Freon-11 (µg/m^3)	7/16/09	7640	11/2/09	21,300	1/25/10	25,500	4/20/10	17,600
			H_2O (µg/m^3)	7/16/09	12,700,000	11/2/09	21,600,000	1/25/10	4,620,000	4/20/10	61.3[b]
			PCE (µg/m^3)	7/16/09	677,000	11/2/09	867,000	1/25/10	621,000	4/20/10	578,000
			Pressure differential (kPa)	7/16/09	0	11/2/09	0	1/25/10	0	4/20/10	0
			TCA (µg/m^3)	7/16/09	312,000	11/2/09	418,000	1/25/10	249,000	4/20/10	401,000
			TCE (µg/m^3)	7/16/09	117,000	11/2/09	141,000	1/25/10	75,700	4/20/10	119,000
	50	49–51	CO_2 (µg/m^3)	7/16/09	8,500,000	11/2/09	20,600,000	1/25/10	21,000,000	4/20/10	2,250,000
			Freon-11 (µg/m^3)	7/16/09	11,500	11/2/09	35,100	1/25/10	42,400	4/20/10	45,900
			H_2O (µg/m^3)	7/16/09	10,400,000	11/2/09	19,700,000	1/25/10	4,790,000	4/20/10	59.5[b]
			PCE (µg/m^3)	7/16/09	193,000	11/2/09	501,000	1/25/10	579,000	4/20/10	602,000
			Pressure differential (kPa)	7/16/09	-0.04	11/2/09	-0.21	1/25/10	-0.18	4/20/10	0.05
			TCA (µg/m^3)	7/16/09	335,000	11/2/09	800,000	1/25/10	766,000	4/20/10	1,090,000
			TCE (µg/m^3)	7/16/09	84,400	11/2/09	237,000	1/25/10	171,000	4/20/10	222,000
	75	74–76	CO_2 (µg/m^3)	7/16/09	11,400,000	11/2/09	24,900,000	1/25/10	22,000,000	4/20/10	2,420,000
			Freon-11 (µg/m^3)	7/16/09	12,100	11/2/09	40,500	1/25/10	42,400	4/20/10	43,700
			H_2O (µg/m^3)	7/16/09	9,900,000	11/2/09	20,900,000	1/25/10	5,030,000	4/20/10	59.4[b]
			PCE (µg/m^3)	7/16/09	327,000	11/2/09	723,000	1/25/10	705,000	4/20/10	758,000
			Pressure differential (kPa)	7/16/09	0	11/2/09	-0.05	1/25/10	-0.13	4/20/10	0.05
			TCA (µg/m^3)	7/16/09	435,000	11/2/09	849,000	1/25/10	674,000	4/20/10	1,040,000
			TCE (µg/m^3)	7/16/09	129,000	11/2/09	251,000	1/25/10	150,000	4/20/10	228,000
	100	99–101	CO_2 (µg/m^3)	7/16/09	15,000,000	11/2/09	26,200,000	1/25/10	24,700,000	4/20/10	2,310,000
			Freon-11 (µg/m^3)	7/16/09	11,100	11/2/09	32,500	1/25/10	40,700	4/20/10	32,800
			H_2O (µg/m^3)	7/16/09	11,900,000	11/2/09	21,400,000	1/25/10	5,180,000	4/20/10	55.7[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24242 (cont.)	100	99–101	PCE (µg/m^3)	7/16/09	511,000	11/2/09	850,000	1/25/10	867,000	4/20/10	816,000
			Pressure differential (kPa)	7/16/09	0.02	11/2/09	0	1/25/10	-0.05	4/20/10	0.04
			TCA (µg/m^3)	7/16/09	496,000	11/2/09	725,000	1/25/10	563,000	4/20/10	797,000
			TCE (µg/m^3)	7/16/09	170,000	11/2/09	232,000	1/25/10	138,000	4/20/10	199,000
	110.5	109.5–111.5	CO_2 (µg/m^3)	7/16/09	8,890,000	11/2/09	18,700,000	1/25/10	14,100,000	4/20/10	2,310,000
			Freon-11 (µg/m^3)	7/16/09	11,300	11/2/09	28,700	1/25/10	24,200	4/20/10	48,800
			H_2O (µg/m^3)	7/16/09	8,770,000	11/2/09	20,100,000	1/25/10	5,100,000	4/20/10	60.4[b]
			PCE (µg/m^3)	7/16/09	200,000	11/2/09	509,000	1/25/10	379,000	4/20/10	622,000
			Pressure differential (kPa)	7/16/09	-0.04	11/2/09	-0.19	1/25/10	-0.29	4/20/10	0.07
			TCA (µg/m^3)	7/16/09	381,000	11/2/09	822,000	1/25/10	568,000	4/20/10	1,170,000
			TCE (µg/m^3)	7/16/09	106,000	11/2/09	280,000	1/25/10	135,000	4/20/10	246,000
54-24243	Ambient	Ambient	CO_2 (µg/m^3)	7/23/09	1,320,000	11/12/09	1,060,000	2/10/10	990,000	4/26/10	1,200,000
			Freon-11 (µg/m^3)	7/23/09	-477	11/12/09	-262	2/10/10	186	4/26/10	251
			H_2O (µg/m^3)	7/23/09	12,500,000	11/12/09	9,880,000	2/10/10	14,300,000	4/26/10	42.5[b]
			PCE (µg/m^3)	7/23/09	3770	11/12/09	3960	2/10/10	3020	4/26/10	2230
			Pressure differential (kPa)	7/23/09	0	11/12/09	0	2/10/10	NS	4/26/10	0
			TCA (µg/m^3)	7/23/09	-2300	11/12/09	-3000	2/10/10	-4300	4/26/10	-1300
			TCE (µg/m^3)	7/23/09	411,000	11/12/09	4220	2/10/10	1440	4/26/10	1780
	25	24–26	CO_2 (µg/m^3)	7/23/09	26,100,000	11/12/09	29,800,000	2/10/10	31,300,000	4/26/10	23,200,000
			Freon-11 (µg/m^3)	7/23/09	89,200	11/12/09	130,000	2/10/10	114,000	4/26/10	94,700
			H_2O (µg/m^3)	7/23/09	16,700,000	11/12/09	16,500,000	2/10/10	14,000,000	4/26/10	54.7[b]
			PCE (µg/m^3)	7/23/09	660,000	11/12/09	704,000	2/10/10	769,000	4/26/10	557,000
			Pressure differential (kPa)	7/23/09	0.04	11/12/09	0.04	2/10/10	0	4/26/10	0

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24243 (cont.)	25	24–26	TCA (µg/m^3)	7/23/09	894,000	11/12/09	872,000	2/10/10	1,020,000	4/26/10	810,000
			TCE (µg/m^3)	7/23/09	187,000	11/12/09	160,000	2/10/10	191,000	4/26/10	107,000
	50	49–51	CO_2 (µg/m^3)	7/23/09	31,900,000	11/12/09	35,100,000	2/10/10	39,400,000	4/26/10	32,000,000
			Freon-11 (µg/m^3)	7/23/09	177,000	11/12/09	225,000	2/10/10	211,000	4/26/10	186,000
			H_2O (µg/m^3)	7/23/09	14,000,000	11/12/09	16,500,000	2/10/10	15,100,000	4/26/10	57.6[b]
			PCE (µg/m^3)	7/23/09	1,300,000	11/12/09	1,210,000	2/10/10	1,440,000	4/26/10	1,090,000
			Pressure differential (kPa)	7/23/09	0.04	11/12/09	0.05	2/10/10	0.11	4/26/10	0
			TCA (µg/m^3)	7/23/09	1,490,000	11/12/09	1,390,000	2/10/10	1,660,000	4/26/10	1,460,000
			TCE (µg/m^3)	7/23/09	295,000	11/12/09	228,000	2/10/10	258,000	4/26/10	168,000
	75	74–76	CO_2 (µg/m^3)	7/23/09	30,300,000	11/12/09	31,200,000	2/10/10	36,000,000	4/26/10	30,200,000
			Freon-11 (µg/m^3)	7/23/09	130,000	11/12/09	169,000	2/10/10	174,000	4/26/10	172,000
			H_2O (µg/m^3)	7/23/09	21,500,000	11/12/09	17,100,000	2/10/10	15,400,000	4/26/10	56.5[b]
			PCE (µg/m^3)	7/23/09	926,000	11/12/09	883,000	2/10/10	1,150,000	4/26/10	990,000
			Pressure differential (kPa)	7/23/09	0.06	11/12/09	0.1	2/10/10	0.03	4/26/10	-0.03
			TCA (µg/m^3)	7/23/09	1,620,000	11/12/09	1,420,000	2/10/10	1,720,000	4/26/10	1,590,000
			TCE (µg/m^3)	7/23/09	348,000	11/12/09	268,000	2/10/10	297,000	4/26/10	178,000
	100	99–101	CO_2 (µg/m^3)	7/23/09	29,000,000	11/12/09	30,200,000	2/10/10	25,800,000	4/26/10	24,200,000
			Freon-11 (µg/m^3)	7/23/09	103,000	11/12/09	141,000	2/10/10	108,000	4/26/10	104,000
			H_2O (µg/m^3)	7/23/09	14,300,000	11/12/09	16,600,000	2/10/10	15,200,000	4/26/10	57.5[b]
			PCE (µg/m^3)	7/23/09	676,000	11/12/09	696,000	2/10/10	677,000	4/26/10	564,000
			Pressure differential (kPa)	7/23/09	0.07	11/12/09	0.29	2/10/10	0.05	4/26/10	-0.13
			TCA (µg/m^3)	7/23/09	1,690,000	11/12/09	1,560,000	2/10/10	1,350,000	4/26/10	1,230,000
			TCE (µg/m^3)	7/23/09	374,000	11/12/09	332,000	2/10/10	260,000	4/26/10	164,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24243 (cont.)	125	124–126	CO_2 (µg/m^3)	7/23/09	24,600,000	11/12/09	23,700,000	2/10/10	23,700,000	4/26/10	1,480,000
			Freon-11 (µg/m^3)	7/23/09	81,800	11/12/09	100,000	2/10/10	91,600	4/26/10	304
			H_2O (µg/m^3)	7/23/09	14,900,000	11/12/09	16,700,000	2/10/10	14,700,000	4/26/10	51.0[b]
			PCE (µg/m^3)	7/23/09	495,000	11/12/09	463,000	2/10/10	541,000	4/26/10	8860
			Pressure differential (kPa)	7/23/09	0.07	11/12/09	0.04	2/10/10	0.1	4/26/10	-0.12
			TCA (µg/m^3)	7/23/09	1,430,000	11/12/09	1,190,000	2/10/10	1,260,000	4/26/10	17,800
			TCE (µg/m^3)	7/23/09	322,000	11/12/09	270,000	2/10/10	261,000	4/26/10	23,300
54-24399	Ambient	Ambient	CO_2 (µg/m^3)	8/12/09	811,000	12/7/09	960,000	3/2/10	905,000	4/21/10	944,000
			Freon-11 (µg/m^3)	8/12/09	-359	12/7/09	144	3/2/10	752	4/21/10	275
			H_2O (µg/m^3)	8/12/09	11,300,000	12/7/09	7,500,000	3/2/10	6,490,000	4/21/10	45.1[b]
			PCE (µg/m^3)	8/12/09	-3100	12/7/09	4270	3/2/10	3370	4/21/10	3130
			Pressure differential (kPa)	8/12/09	0	12/7/09	0	3/2/10	NS	4/21/10	0
			TCA (µg/m^3)	8/12/09	195	12/7/09	-1800	3/2/10	-2400	4/21/10	-3000
			TCE (µg/m^3)	8/12/09	5230	12/7/09	3880	3/2/10	1360	4/21/10	1430
	550	550–608	CO_2 (µg/m^3)	8/12/09	1,470,000	12/7/09	2,130,000	3/2/10	2,900,000	4/21/10	2,500,000
			Freon-11 (µg/m^3)	8/12/09	1670	12/7/09	8	3/2/10	260	4/21/10	628
			H_2O (µg/m^3)	8/12/09	24,700,000	12/7/09	8,740,000	3/2/10	11,100,000	4/21/10	64.1[b]
			PCE (µg/m^3)	8/12/09	4460	12/7/09	5230	3/2/10	2940	4/21/10	644
			Pressure differential (kPa)	8/12/09	-0.04	12/7/09	0.08	3/2/10	0	4/21/10	0.07
			TCA (µg/m^3)	8/12/09	1590	12/7/09	-2800	3/2/10	-7400	4/21/10	4110
			TCE (µg/m^3)	8/12/09	4200	12/7/09	5990	3/2/10	4150	4/21/10	3460
54-27641	Ambient	Ambient	CO_2 (µg/m^3)	8/17/09	933,000	11/3/09	1,080,000	1/27/10	943,000	4/16/10	943,000
			Freon-11 (µg/m^3)	8/17/09	333	11/3/09	-256	1/27/10	-103	4/16/10	-850
			H_2O (µg/m^3)	8/17/09	4,760,000	11/3/09	7,900,000	1/27/10	5,330,000	4/16/10	48.9[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641 (cont.)	Ambient	Ambient	PCE (µg/m^3)	8/17/09	462	11/3/09	3600	1/27/10	5420	4/16/10	2800
			Pressure differential (kPa)	8/17/09	0	11/3/09	0	1/27/10	NS	4/16/10	0
			TCA (µg/m^3)	8/17/09	241	11/3/09	-3000	1/27/10	-2500	4/16/10	-1400
			TCE (µg/m^3)	8/17/09	1800	11/3/09	4630	1/27/10	2740	4/16/10	2550
	32	29.5–34.5	CO_2 (µg/m^3)	8/17/09	24,100,000	11/3/09	28,800,000	1/27/10	24,900,000	4/16/10	2,080,000
			Freon-11 (µg/m^3)	8/17/09	27,400	11/3/09	49,300	1/27/10	41,500	4/16/10	36,000
			H_2O (µg/m^3)	8/17/09	15,700,000	11/3/09	12,700,000	1/27/10	6,000,000	4/16/10	55.3[b]
			PCE (µg/m^3)	8/17/09	410,000	11/3/09	442,000	1/27/10	432,000	4/16/10	366,000
			Pressure differential (kPa)	8/17/09	0	11/3/09	0	1/27/10	-0.06	4/16/10	0
			TCA (µg/m^3)	8/17/09	2,030,000	11/3/09	1,910,000	1/27/10	1,650,000	4/16/10	1690
			TCE (µg/m^3)	8/17/09	721,000	11/3/09	939,000	1/27/10	903,000	4/16/10	816,000
	82	79.5–84.5	CO_2 (µg/m^3)	8/17/09	18,200,000	11/3/09	20,600,000	1/27/10	20,100,000	4/16/10	1,810,000
			Freon-11 (µg/m^3)	8/17/09	22,100	11/3/09	37,400	1/27/10	31,300	4/16/10	28,300
			H_2O (µg/m^3)	8/17/09	14,900,000	11/3/09	13,400,000	1/27/10	6,150,000	4/16/10	55.9[b]
			PCE (µg/m^3)	8/17/09	358,000	11/3/09	396,000	1/27/10	394,000	4/16/10	354,000
			Pressure differential (kPa)	8/17/09	0	11/3/09	-0.08	1/27/10	-0.13	4/16/10	-0.04
			TCA (µg/m^3)	8/17/09	1,550,000	11/3/09	1,590,000	1/27/10	1,440,000	4/16/10	1,560,000
			TCE (µg/m^3)	8/17/09	344,000	11/3/09	369,000	1/27/10	334,000	4/16/10	359,000
	115	112.5–117.5	CO_2 (µg/m^3)	8/17/09	16,700,000	11/3/09	17,500,000	1/27/10	16,800,000	4/16/10	4,160,000
			Freon-11 (µg/m^3)	8/17/09	16,000	11/3/09	24,800	1/27/10	21,800	4/16/10	5300
			H_2O (µg/m^3)	8/17/09	14,200,000	11/3/09	14,900,000	1/27/10	6,560,000	4/16/10	54.7[b]
			PCE (µg/m^3)	8/17/09	224,000	11/3/09	230,000	1/27/10	233,000	4/16/10	49,500
			Pressure differential (kPa)	8/17/09	-0.08	11/3/09	-0.26	1/27/10	-0.25	4/16/10	-0.21

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641 (cont.)	115	112.5–117.5	TCA (µg/m^3)	8/17/09	1,270,000	11/3/09	1,200,000	1/27/10	1,110,000	4/16/10	340,000
			TCE (µg/m^3)	8/17/09	276,000	11/3/09	264,000	1/27/10	228,000	4/16/10	57,600
	182	179.5–184.5	CO_2 (µg/m^3)	8/17/09	13,100,000	11/3/09	12,400,000	1/27/10	12,200,000	4/16/10	975,000
			Freon-11 (µg/m^3)	8/17/09	14,700	11/3/09	16,700	1/27/10	15,200	4/16/10	-16
			H_2O (µg/m^3)	8/17/09	14,400,000	11/3/09	16,000,000	1/27/10	6,630,000	4/16/10	52.7[b]
			PCE (µg/m^3)	8/17/09	95,800	11/3/09	95,600	1/27/10	97,700	4/16/10	4150
			Pressure differential (kPa)	8/17/09	-0.06	11/3/09	-0.75	1/27/10	-0.37	4/16/10	-0.54
			TCA (µg/m^3)	8/17/09	862,000	11/3/09	786,000	1/27/10	716,000	4/16/10	3180
			TCE (µg/m^3)	8/17/09	184,000	11/3/09	170,000	1/27/10	143,000	4/16/10	4200
	232	229.5–234.5	CO_2 (µg/m^3)	8/17/09	11,900,000	11/3/09	13,100,000	1/27/10	11,100,000	4/16/10	805,000
			Freon-11 (µg/m^3)	8/17/09	13,700	11/3/09	17,200	1/27/10	13,700	4/16/10	44.4
			H_2O (µg/m^3)	8/17/09	14,000,000	11/3/09	15,800,000	1/27/10	6,920,000	4/16/10	54.8[b]
			PCE (µg/m^3)	8/17/09	76,500	11/3/09	97,400	1/27/10	75,400	4/16/10	1050
			Pressure differential (kPa)	8/17/09	-0.05	11/3/09	-0.74	1/27/10	-0.59	4/16/10	-0.57
			TCA (µg/m^3)	8/17/09	506,000	11/3/09	829,000	1/27/10	390,000	4/16/10	1140
			TCE (µg/m^3)	8/17/09	120,000	11/3/09	181,000	1/27/10	91,500	4/16/10	820,000
	271	268.5–273.5	CO_2 (µg/m^3)	8/17/09	9,010,000	11/3/09	7,730,000	1/27/10	8,620,000	4/16/10	839,000
			Freon-11 (µg/m^3)	8/17/09	8050	11/3/09	9040	1/27/10	9030	4/16/10	-218
			H_2O (µg/m^3)	8/17/09	13,900,000	11/3/09	16,800,000	1/27/10	6,930,000	4/16/10	51.7[b]
			PCE (µg/m^3)	8/17/09	45,100	11/3/09	42,600	1/27/10	48,800	4/16/10	3130
			Pressure differential (kPa)	8/17/09	-0.04	11/3/09	-0.69	1/27/10	-0.45	4/16/10	-0.54
			TCA (µg/m^3)	8/17/09	192,000	11/3/09	143,000	1/27/10	130,000	4/16/10	7100
			TCE (µg/m^3)	8/17/09	53,800	11/3/09	47,900	1/27/10	41,400	4/16/10	3910

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641 (cont.)	332.5	330–335	CO_2 (µg/m^3)	8/17/09	5,150,000	11/3/09	4,640,000	1/27/10	4,610,000	4/16/10	866,000
			Freon-11 (µg/m^3)	8/17/09	2370	11/3/09	1100	1/27/10	1710	4/16/10	-369
			H_2O (µg/m^3)	8/17/09	13,700,000	11/3/09	16,500,000	1/27/10	7,190,000	4/16/10	52.2[b]
			PCE (µg/m^3)	8/17/09	7330	11/3/09	9540	1/27/10	12,500	4/16/10	1360
			Pressure differential (kPa)	8/17/09	-0.07	11/3/09	-0.68	1/27/10	-0.47	4/16/10	-0.56
			TCA (µg/m^3)	8/17/09	16,100	11/3/09	-7200	1/27/10	-18,000	4/16/10	3500
			TCE (µg/m^3)	8/17/09	8460	11/3/09	8880	1/27/10	7390	4/16/10	3040
54-27642	Ambient	Ambient	CO_2 (µg/m^3)	7/21/09	770,000	11/9/09	985,000	1/26/10	1,030,000	4/16/10	756,000
			Freon-11 (µg/m^3)	7/21/09	-857	11/9/09	69.5	1/26/10	-7.7	4/16/10	-71
			H_2O (µg/m^3)	7/21/09	11,500,000	11/9/09	6,990,000	1/26/10	5,660,000	4/16/10	43.3[n]
			PCE (µg/m^3)	7/21/09	-753	11/9/09	2910	1/26/10	4890	4/16/10	1280
			Pressure differential (kPa)	7/21/09	0	11/9/09	0	1/26/10	NS	4/16/10	0
			TCA (µg/m^3)	7/21/09	-5900	11/9/09	-2900	1/26/10	-7000	4/16/10	1450
			TCE (µg/m^3)	7/21/09	613	11/9/09	2710	1/26/10	1830	4/16/10	673
	30	27.5–32.5	CO_2 (µg/m^3)	7/21/09	35,600,000	11/9/09	44,400,000	1/26/10	42,800,000	4/16/10	3,730,000
			Freon-11 (µg/m^3)	7/21/09	260,000	11/9/09	405,000	1/26/10	390,000	4/16/10	411,000
			H_2O (µg/m^3)	7/21/09	15,100,000	11/9/09	19,700,000	1/26/10	8,870,000	4/16/10	56.4[n]
			PCE (µg/m^3)	7/21/09	2,000,000	11/9/09	2,270,000	1/26/10	2,810,000	4/16/10	258
			Pressure differential (kPa)	7/21/09	0	11/9/09	-0.03	1/26/10	0.03	4/16/10	0.04
			TCA (µg/m^3)	7/21/09	2,530,000	11/9/09	2,360,000	1/26/10	2,090,000	4/16/10	2120
			TCE (µg/m^3)	7/21/09	96,400	11/9/09	-58,000	1/26/10	-149,000	4/16/10	-470
	75	71.5–76.5	CO_2 (µg/m^3)	7/21/09	27,200,000	11/9/09	29,200,000	1/26/10	27,500,000	4/16/10	28,100,000
			Freon-11 (µg/m^3)	7/21/09	108,000	11/9/09	144,000	1/26/10	120,000	4/16/10	146,000
			H_2O (µg/m^3)	7/21/09	14,600,000	11/9/09	18,100,000	1/26/10	6,850,000	4/16/10	54.2[n]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642 (cont.)	75	71.5–76.5	PCE (µg/m^3)	7/21/09	693,000	11/9/09	697,000	1/26/10	742,000	4/16/10	790,000
			Pressure differential (kPa)	7/21/09	-0.02	11/9/09	0	1/26/10	0.31	4/16/10	-0.07
			TCA (µg/m^3)	7/21/09	1,770,000	11/9/09	1,690,000	1/26/10	1,590,000	4/16/10	1,960,000
			TCE (µg/m^3)	7/21/09	373,000	11/9/09	340,000	1/26/10	281,000	4/16/10	302,000
	116	114.5–119.5	CO_2 (µg/m^3)	7/21/09	35,800,000	11/9/09	41,900,000	1/26/10	33,200,000	4/16/10	38,800,000
			Freon-11 (µg/m^3)	7/21/09	200,000	11/9/09	305,000	1/26/10	220,000	4/16/10	341,000
			H_2O (µg/m^3)	7/21/09	15,200,000	11/9/09	20,300,000	1/26/10	8,150,000	4/16/10	56.6[n]
			PCE (µg/m^3)	7/21/09	1,470,000	11/9/09	1,660,000	1/26/10	1,500,000	4/16/10	2,040,000
			Pressure differential (kPa)	7/21/09	0	11/9/09	-0.19	1/26/10	1.01	4/16/10	-0.03
			TCA (µg/m^3)	7/21/09	2,560,000	11/9/09	2,551,000	1/26/10	1,800,000	4/16/10	2,650,000
			TCE (µg/m^3)	7/21/09	349,000	11/9/09	269,000	1/26/10	119,000	4/16/10	193,000
	175	172.5–177.5	CO_2 (µg/m^3)	7/21/09	17,200,000	11/9/09	19,200,000	1/26/10	16,500,000	4/16/10	1,400,000
			Freon-11 (µg/m^3)	7/21/09	84,000	11/9/09	111,000	1/26/10	82,300	4/16/10	983
			H_2O (µg/m^3)	7/21/09	14,300,000	11/9/09	17,800,000	1/26/10	6,670,000	4/16/10	50.4[b]
			PCE (µg/m^3)	7/21/09	396,000	11/9/09	411,000	1/26/10	384,000	4/16/10	8200
			Pressure differential (kPa)	7/21/09	0	11/9/09	-0.3	1/26/10	-0.57	4/16/10	-0.28
			TCA (µg/m^3)	7/21/09	1,200,000	11/9/09	1,180,000	1/26/10	994,000	4/16/10	5170
			TCE (µg/m^3)	7/21/09	261,000	11/9/09	268,000	1/26/10	203,000	4/16/10	5020
	235	232.5–237.5	CO_2 (µg/m^3)	7/21/09	13,200,000	11/9/09	15,600,000	1/26/10	13,900,000	4/16/10	816,000
			Freon-11 (µg/m^3)	7/21/09	74,600	11/9/09	102,000	1/26/10	77,100	4/16/10	207
			H_2O (µg/m^3)	7/21/09	13,600,000	11/9/09	18,300,000	1/26/10	6,280,000	4/16/10	53.9[b]
			PCE (µg/m^3)	7/21/09	327,000	11/9/09	335,000	1/26/10	339,000	4/16/10	2620
			Pressure differential (kPa)	7/21/09	0.02	11/9/09	-0.32	1/26/10	0.14	4/16/10	-0.41

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642 (cont.)	235	232.5–237.5	TCA (µg/m^3)	7/21/09	742,000	11/9/09	774,000	1/26/10	659,000	4/16/10	358,000
			TCE (µg/m^3)	7/21/09	184,000	11/9/09	200,000	1/26/10	152,000	4/16/10	1390
	275	272.5–277.5	CO_2 (µg/m^3)	7/21/09	10,000,000	11/9/09	11,600,000	1/26/10	10,900,000	4/16/10	8,800,000
			Freon-11 (µg/m^3)	7/21/09	52,700	11/9/09	73,900	1/26/10	54,700	4/16/10	54,100
			H_2O (µg/m^3)	7/21/09	13,900,000	11/9/09	17,500,000	1/26/10	6,670,000	4/16/10	50.9[b]
			PCE (µg/m^3)	7/21/09	235,000	11/9/09	254,000	1/26/10	239,000	4/16/10	206,000
			Pressure differential (kPa)	7/21/09	0.05	11/9/09	-0.3	1/26/10	-0.68	4/16/10	-0.35
			TCA (µg/m^3)	7/21/09	407,000	11/9/09	417,000	1/26/10	335,000	4/16/10	391,000
			TCE (µg/m^3)	7/21/09	127,000	11/9/09	120,000	1/26/10	86,300	4/16/10	82,300
	338	335.5–340.5	CO_2 (µg/m^3)	7/21/09	5,200,000	11/9/09	5,990,000	1/26/10	5,360,000	4/16/10	951,000
			Freon-11 (µg/m^3)	7/21/09	14,300	11/9/09	19,100	1/26/10	15,100	4/16/10	-89
			H_2O (µg/m^3)	7/21/09	14,000,000	11/9/09	17,200,000	1/26/10	6,610,000	4/16/10	52.3[b]
			PCE (µg/m^3)	7/21/09	70,000	11/9/09	69,600	1/26/10	69,100	4/16/10	3880
			Pressure differential (kPa)	7/21/09	-0.03	11/9/09	-0.29	1/26/10	-0.45	4/16/10	-0.22
			TCA (µg/m^3)	7/21/09	77,700	11/9/09	62,600	1/26/10	38,000	4/16/10	3860
			TCE (µg/m^3)	7/21/09	28,200	11/9/09	29,000	1/26/10	21,000	4/16/10	2450
54-27643	Ambient	Ambient	CO_2 (µg/m^3)	7/23/09	816,000	11/10/09	902,000	2/3/10	1,300,000	4/26/10	967,000
			Freon-11 (µg/m^3)	7/23/09	171	11/10/09	-46	2/3/10	168	4/26/10	-347
			H_2O (µg/m^3)	7/23/09	13,200,000	11/10/09	8,190,000	2/3/10	5,800,000	4/26/10	33.5[b]
			PCE (µg/m^3)	7/23/09	716	11/10/09	1930	2/3/10	3650	4/26/10	672
			Pressure differential (kPa)	7/23/09	0	11/10/09	0	2/3/10	NS	4/26/10	0
			TCA (µg/m^3)	7/23/09	1850	11/10/09	-2800	2/3/10	-7400	4/26/10	-1200
			TCE (µg/m^3)	7/23/09	434	11/10/09	978	2/3/10	2710	4/26/10	1170

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643 (cont.)	30	27.5–32.5	CO_2 (µg/m^3)	7/23/09	16,700,000	11/10/09	18,700,000	2/3/10	18,200,000	4/26/10	16,100,000
			Freon-11 (µg/m^3)	7/23/09	28,700	11/10/09	38,200	2/3/10	40,800	4/26/10	46,300
			H_2O (µg/m^3)	7/23/09	13,300,000	11/10/09	16,600,000	2/3/10	7,630,000	4/26/10	54.4[b]
			PCE (µg/m^3)	7/23/09	200,000	11/10/09	200,000	2/3/10	262,000	4/26/10	268,000
			Pressure differential (kPa)	7/23/09	0	11/10/09	0.05	2/3/10	0.04	4/26/10	0.11
			TCA (µg/m^3)	7/23/09	460,000	11/10/09	443,000	2/3/10	419,000	4/26/10	547,000
			TCE (µg/m^3)	7/23/09	66,900	11/10/09	65,600	2/3/10	49,000	4/26/10	54,900
	74	71.5–76.5	CO_2 (µg/m^3)	7/23/09	16,700,000	11/10/09	18,100,000	2/3/10	19,700,000	4/26/10	17,900,000
			Freon-11 (µg/m^3)	7/23/09	34,300	11/10/09	12,800	2/3/10	46,400	4/26/10	48,200
			H_2O (µg/m^3)	7/23/09	13,600,000	11/10/09	16,700,000	2/3/10	8,360,000	4/26/10	54.9[b]
			PCE (µg/m^3)	7/23/09	217,000	11/10/09	214,000	2/3/10	280,000	4/26/10	264,000
			Pressure differential (kPa)	7/23/09	0	11/10/09	0.06	2/3/10	0.13	4/26/10	0.13
			TCA (µg/m^3)	7/23/09	624,000	11/10/09	585,000	2/3/10	607,000	4/26/10	748,000
			TCE (µg/m^3)	7/23/09	118,000	11/10/09	114,000	2/3/10	102,000	4/26/10	109,000
	117	114.5–119.5	CO_2 (µg/m^3)	7/23/09	15,700,000	11/10/09	16,400,000	2/3/10	18,200,000	4/26/10	15,500,000
			Freon-11 (µg/m^3)	7/23/09	40,300	11/10/09	49,300	2/3/10	50,700	4/26/10	49,000
			H_2O (µg/m^3)	7/23/09	13,400,000	11/10/09	16,200,000	2/3/10	7,350,000	4/26/10	52.0[b]
			PCE (µg/m^3)	7/23/09	205,000	11/10/09	194,000	2/3/10	254,000	4/26/10	217,000
			Pressure differential (kPa)	7/23/09	-0.06	11/10/09	-0.06	2/3/10	0.27	4/26/10	0.06
			TCA (µg/m^3)	7/23/09	669,000	11/10/09	610,000	2/3/10	640,000	4/26/10	724,000
			TCE (µg/m^3)	7/23/09	135,000	11/10/09	126,000	2/3/10	119,000	4/26/10	117,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643 (cont.)	167	164.5–169.5	CO_2 (µg/m^3)	7/23/09	12,700,000	11/10/09	12,400,000	2/3/10	14,600,000	4/26/10	11,600,000
			Freon-11 (µg/m^3)	7/23/09	48,700	11/10/09	53,300	2/3/10	57,600	4/26/10	49,900
			H_2O (µg/m^3)	7/23/09	13,600,000	11/10/09	15,300,000	2/3/10	6,880,000	4/26/10	51.2[b]
			PCE (µg/m^3)	7/23/09	220,000	11/10/09	188,000	2/3/10	255,000	4/26/10	193,000
			Pressure differential (kPa)	7/23/09	-0.07	11/10/09	-0.26	2/3/10	0.18	4/26/10	-0.05
			TCA (µg/m^3)	7/23/09	624,000	11/10/09	518,000	2/3/10	588,000	4/26/10	600,000
			TCE (µg/m^3)	7/23/09	131,000	11/10/09	115,000	2/3/10	115,000	4/26/10	107,000
	235	232.5–237.5	CO_2 (µg/m^3)	7/23/09	11,300,000	11/10/09	11,800,000	2/3/10	13,400,000	4/26/10	9,990,000
			Freon-11 (µg/m^3)	7/23/09	54,300	11/10/09	63,700	2/3/10	64,600	4/26/10	53,300
			H_2O (µg/m^3)	7/23/09	13,000,000	11/10/09	16,900,000	2/3/10	6,890,000	4/26/10	51.7[b]
			PCE (µg/m^3)	7/23/09	239,000	11/10/09	220,000	2/3/10	281,000	4/26/10	202,000
			Pressure differential (kPa)	7/23/09	-0.09	11/10/09	-0.31	2/3/10	0.31	4/26/10	-0.14
			TCA (µg/m^3)	7/23/09	501,000	11/10/09	449,000	2/3/10	484,000	4/26/10	466,000
			TCE (µg/m^3)	7/23/09	117,000	11/10/09	110,000	2/3/10	107,000	4/26/10	92,200
	275	272.5–277.5	CO_2 (µg/m^3)	7/23/09	8,410,000	11/10/09	8,110,000	2/3/10	10,200,000	4/26/10	7,750,000
			Freon-11 (µg/m^3)	7/23/09	38,500	11/10/09	40,800	2/3/10	47,100	4/26/10	39,900
			H_2O (µg/m^3)	7/23/09	13,400,000	11/10/09	15,100,000	2/3/10	6,810,000	4/26/10	50.5[b]
			PCE (µg/m^3)	7/23/09	166,000	11/10/09	143,000	2/3/10	206,000	4/26/10	152,000
			Pressure differential (kPa)	7/23/09	-0.09	11/10/09	-0.29	2/3/10	0.22	4/26/10	-0.12
			TCA (µg/m^3)	7/23/09	269,000	11/10/09	221,000	2/3/10	255,000	4/26/10	280,000
			TCE (µg/m^3)	7/23/09	70,200	11/10/09	62,500	2/3/10	64,400	4/26/10	61,100

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643 (cont.)	354	351.5–356.5	CO_2 (µg/m^3)	7/23/09	4,910,000	11/10/09	5,240,000	2/3/10	6,190,000	4/26/10	4,880,000
			Freon-11 (µg/m^3)	7/23/09	11,400	11/10/09	13,700	2/3/10	15,400	4/26/10	12,900
			H_2O (µg/m^3)	7/23/09	13,200,000	11/10/09	15,700,000	2/3/10	6,810,000	4/26/10	50.4[b]
			PCE (µg/m^3)	7/23/09	51,800	11/10/09	52,400	2/3/10	71,000	4/26/10	51,300
			Pressure differential (kPa)	7/23/09	-0.07	11/10/09	-0.08	2/3/10	0.29	4/26/10	0.05
			TCA (µg/m^3)	7/23/09	45,700	11/10/09	36,200	2/3/10	24,200	4/26/10	62,300
			TCE (µg/m^3)	7/23/09	16,000	11/10/09	16,000	2/3/10	15,300	4/26/10	14,500
54-610786	Ambient	Ambient	CO_2 (µg/m^3)	NS	NS	12/22/09	919,000	2/5/10	1,120,000	4/26/10	830,000
			Freon-11 (µg/m^3)	NS	NS	12/22/09	65.8	2/5/10	1450	4/26/10	117
			H_2O (µg/m^3)	NS	NS	12/22/09	5,000,000	2/5/10	9,690,000	4/26/10	39.7[b]
			PCE (µg/m^3)	NS	NS	12/22/09	4240	2/5/10	2710	4/26/10	1860
			Pressure differential (kPa)	NS	NS	12/22/09	NS	2/5/10	NS	4/26/10	0
			TCA (µg/m^3)	NS	NS	12/22/09	-506	2/5/10	-8300	4/26/10	542,000
			TCE (µg/m^3)	NS	NS	12/22/09	2910	2/5/10	-422	4/26/10	1280
	25	22.5–27.5	CO_2 (µg/m^3)	NS	NS	12/22/09	19,490,000	2/5/10	15,700,000	4/26/10	17,000,000
			Freon-11 (µg/m^3)	NS	NS	12/22/09	75,700	2/5/10	37,900	4/26/10	64,700
			H_2O (µg/m^3)	NS	NS	12/22/09	5,000,000	2/5/10	9,210,000	4/26/10	56.6[b]
			PCE (µg/m^3)	NS	NS	12/22/09	423,000	2/5/10	266,000	4/26/10	396,000
			Pressure differential (kPa)	NS	NS	12/22/09	0.06	2/5/10	0	4/26/10	0
			TCA (µg/m^3)	NS	NS	12/22/09	518,000	2/5/10	272,000	4/26/10	492,000
			TCE (µg/m^3)	NS	NS	12/22/09	41,700	2/5/10	17,000	4/26/10	34,200

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-610786 (cont.)	50	47.5–52.5	CO_2 (µg/m^3)	NS	NS	12/22/09	22,100,000	2/5/10	23,500,000	4/26/10	20,600,000
			Freon-11 (µg/m^3)	NS	NS	12/22/09	65,300	2/5/10	65,300	4/26/10	73,300
			H_2O (µg/m^3)	NS	NS	12/22/09	9,750,000	2/5/10	10,000,000	4/26/10	58.6[b]
			PCE (µg/m^3)	NS	NS	12/22/09	346,000	2/5/10	445,000	4/26/10	441,000
			Pressure differential (kPa)	NS	NS	12/22/09	0.15	2/5/10	-0.02	4/26/10	.02
			TCA (µg/m^3)	NS	NS	12/22/09	674,000	2/5/10	748,000	4/26/10	844,000
			TCE (µg/m^3)	NS	NS	12/22/09	95,100	2/5/10	86,100	4/26/10	88,800
	75	72.5–77.5	CO_2 (µg/m^3)	NS	NS	12/22/09	21,000,000	2/5/10	23,200,000	4/26/10	20,100,000
			Freon-11 (µg/m^3)	NS	NS	12/22/09	57,900	2/5/10	58,100	4/26/10	60,700
			H_2O (µg/m^3)	NS	NS	12/22/09	9,690,000	2/5/10	11,100,000	4/26/10	60.0[b]
			PCE (µg/m^3)	NS	NS	12/22/09	306,000	2/5/10	384,000	4/26/10	368,000
			Pressure differential (kPa)	NS	NS	12/22/09	0.19	2/5/10	-0.05	4/26/10	.02
			TCA (µg/m^3)	NS	NS	12/22/09	700,000	2/5/10	793,000	4/26/10	878,000
			TCE (µg/m^3)	NS	NS	12/22/09	124,000	2/5/10	123,000	4/26/10	123,000
	100	97.5–102.5	CO_2 (µg/m^3)	NS	NS	12/22/09	19,600,000	2/5/10	20,800,000	4/26/10	17,900,000
			Freon-11 (µg/m^3)	NS	NS	12/22/09	52,400	2/5/10	49,200	4/26/10	50,600
			H_2O (µg/m^3)	NS	NS	12/22/09	8,740,000	2/5/10	9,540,000	4/26/10	57.6[b]
			PCE (µg/m^3)	NS	NS	12/22/09	256,000	2/5/10	291,000	4/26/10	281,000
			Pressure differential (kPa)	NS	NS	12/22/09	0.34	2/5/10	-0.13	4/26/10	-.04
			TCA (µg/m^3)	NS	NS	12/22/09	660,000	2/5/10	702,000	4/26/10	772,000
			TCE (µg/m^3)	NS	NS	12/22/09	132,000	2/5/10	121,000	4/26/10	124,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Interval (ft bgs)	Analyte (Unit)	4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-610786 (cont.)	118.5	116–121	CO_2 (µg/m^3)	NS	NS	12/22/09	19,700,000	2/5/10	20,200,000	4/26/10	17,900,000
			Freon-11 (µg/m^3)	NS	NS	12/22/09	60,300	2/5/10	55,600	4/26/10	57,500
			H_2O (µg/m^3)	NS	NS	12/22/09	8,820,000	2/5/10	9,310,000	4/26/10	56.3[b]
			PCE (µg/m^3)	NS	NS	12/22/09	263,000	2/5/10	294,000	4/26/10	277,000
			Pressure differential (kPa)	NS	NS	12/22/09	0.4	2/5/10	-0.18	4/26/10	-.07
			TCA (µg/m^3)	NS	NS	12/22/09	753,000	2/5/10	787,000	4/26/10	862,000
			TCE (µg/m^3)	NS	NS	12/22/09	155,000	2/5/10	139,000	4/26/10	136,000

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

[a] NS = Not sampled.

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

[c] Ports are drawing air in after being purged. B&K readings appear ambient on all ports.

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

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

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

Table 5.0-1
Pore-Gas VOCs Detected at MDA L during the Last Four Quarters

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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	8/18/09	ND[a]	ND	10/27/09	340	2200	1/29/10	180	1100	4/5/10	190	1200
			Chloroform	8/18/09	ND	ND	10/27/09	720	3500	1/29/10	440	2200	4/5/10	530	2600
			Dichlorodifluoromethane	8/18/09	ND	ND	10/27/09	560	2800	1/29/10	340	1700	4/5/10	380	1900
			Dichloroethane[1,1-]	8/18/09	8300	34,000	10/27/09	5700	23,000	1/29/10	3200	13,000	4/5/10	3200	13,000
			Dichloroethane[1,2-]	8/18/09	18,000	71,000	10/27/09	13,000	53,000	1/29/10	8200	33,000	4/5/10	8800	36,000
			Dichloroethene[1,1-]	8/18/09	6900	27,000	10/27/09	3300	13,000	1/29/10	1800	7300	4/5/10	1500	6100
			Dichloropropane[1,2-]	8/18/09	ND	ND	10/27/09	380	1800	1/29/10	220	1000	4/5/10	290	1300
			Hexane	8/18/09	ND	ND	10/27/09	250	880	1/29/10	ND	ND	4/5/10	ND	ND
			Methylene Chloride	8/18/09	4800	17,000	10/27/09	3500	12,000	1/29/10	1400	4700	4/5/10	1300	4600
			Tetrachloroethene	8/18/09	23,000	160,000	10/27/09	19,000	130,000	1/29/10	11,000	72,000	4/5/10	13,000	91,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/18/09	6300	48,000	10/27/09	4300	33,000	1/29/10	2700	21,000	4/5/10	3600	28,000
			Trichloroethane[1,1,1-]	8/18/09	220,000	1,200,000	10/27/09	150,000	840,000	1/29/10	88,000	480,000	4/5/10	100,000	550,000
			Trichloroethene	8/18/09	71,000	380,000	10/27/09	50,000	270,000	1/29/10	43,000	230,000	4/5/10	50,000	270,000
			Trichlorofluoromethane	8/18/09	ND	ND	10/27/09	800	4500	1/29/10	450	2500	4/5/10	530	3000
	80	77.5–82.5	Carbon Tetrachloride	8/18/09	ND	ND	10/27/09	300	1900	1/29/10	120	740	4/16/10	460	2900
			Chloroform	8/18/09	ND	ND	10/27/09	850	4200	1/29/10	270	1300	4/16/10	1300	6500
			Dichlorodifluoromethane	8/18/09	ND	ND	10/27/09	660	3300	1/29/10	200	1000	4/16/10	920	4500
			Dichloroethane[1,1-]	8/18/09	2300	9200	10/27/09	5700	23,000	1/29/10	1700	6900	4/16/10	7600	31,000
			Dichloroethane[1,2-]	8/18/09	4300	18,000	10/27/09	12,000	50,000	1/29/10	4200	17,000	4/16/10	21,000	86,000
			Dichloroethene[1,1-]	8/18/09	2200	8700	10/27/09	4400	18,000	1/29/10	1300	5000	4/16/10	4300	17,000
			Dichloropropane[1,2-]	8/18/09	ND	ND	10/27/09	530	2400	1/29/10	160	740	4/16/10	870	4000
			Hexane	8/18/09	ND	ND	10/27/09	200	700	1/29/10	ND	ND	4/16/10	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02001 (cont.)	80	77.5–82.5	Methylene Chloride	8/18/09	ND	ND	10/27/09	5700	20,000	1/29/10	1400	4900	4/16/10	5400	19,000
			Tetrachloroethene	8/18/09	5600	38,000	10/27/09	19,000	130,000	1/29/10	5800	39,000	4/16/10	32,000	220,000
			Tetrahydrofuran	8/18/09	ND	ND	10/27/09	180	540	1/29/10	ND	ND	4/16/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/18/09	1700	13,000	10/27/09	3700	29,000	1/29/10	1200	9200	4/16/10	8500	66,000
			Trichloroethane[1,1,1-]	8/18/09	60,000	330,000	10/27/09	160,000	870,000	1/29/10	48,000	260,000	4/16/10	240,000	1,300,000
			Trichloroethene	8/18/09	24,000	130,000	10/27/09	38,000	210,000	1/29/10	14,000	73,000	4/16/10	82,000	440,000
			Trichlorofluoromethane	8/18/09	ND	ND	10/27/09	840	4700	1/29/10	250	1400	4/16/10	1300	7300
	120	117.5–122.5	Acetone	8/18/09	ND	ND	10/27/09	ND	ND	1/29/10	ND	ND	4/16/10	310	730
			Carbon Tetrachloride	8/18/09	ND	ND	10/27/09	200	1200	1/29/10	93	580	4/16/10	45	280
			Chloroform	8/18/09	920	4500	10/27/09	680	3300	1/29/10	260	1200	4/16/10	160	760
			Dichlorodifluoromethane	8/18/09	900	4400	10/27/09	600	3000	1/29/10	220	1100	4/16/10	110	540
			Dichloroethane[1,1-]	8/18/09	5800	24,000	10/27/09	4200	17,000	1/29/10	1500	6100	4/16/10	850	3400
			Dichloroethane[1,2-]	8/18/09	10,000	42,000	10/27/09	7300	30,000	1/29/10	2600	11,000	4/16/10	1300	5200
			Dichloroethene[1,1-]	8/18/09	9000	36,000	10/27/09	4500	18,000	1/29/10	1600	6100	4/16/10	590	2400
			Dichloropropane[1,2-]	8/18/09	ND	ND	10/27/09	520	2400	1/29/10	200	920	4/16/10	92	430
			Methylene Chloride	8/18/09	8700	30,000	10/27/09	5800	20,000	1/29/10	1700	5900	4/16/10	860	3000
			Tetrachloroethene	8/18/09	9200	63,000	10/27/09	9100	62,000	1/29/10	2900	20,000	4/16/10	3000	20,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/18/09	3100	24,000	10/27/09	2400	18,000	1/29/10	860	6600	4/16/10	660	5100
			Trichloroethane[1,1,1-]	8/18/09	170,000	940,000	10/27/09	120,000	670,000	1/29/10	44,000	240,000	4/16/10	27,000	150,000
			Trichloroethene	8/18/09	34,000	180,000	10/27/09	26,000	140,000	1/29/10	9900	53,000	4/16/10	6800	37,000
			Trichlorofluoromethane	8/18/09	850 (J)	4800 (J)	10/27/09	610	3400	1/29/10	220	1200	4/16/10	150	840

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	140	137.5–142.5	Carbon Tetrachloride	8/18/09	ND	ND	10/27/09	190	1200	1/29/10	27	170	4/16/10	180	1100
			Chloroform	8/18/09	ND	ND	10/27/09	660	3200	1/29/10	84	410	4/16/10	720	3500
			Dichlorodifluoromethane	8/18/09	ND	ND	10/27/09	590	2900	1/29/10	74	360	4/16/10	580	2900
			Dichloroethane[1,1-]	8/18/09	6300	25,000	10/27/09	4000	16,000	1/29/10	510	2100	4/16/10	4100	16,000
			Dichloroethane[1,2-]	8/18/09	11,000	44,000	10/27/09	7100	29,000	1/29/10	940	3800	4/16/10	8200	33,000
			Dichloroethene[1,1-]	8/18/09	6500	26,000	10/27/09	4500	18,000	1/29/10	460	1800	4/16/10	3600	14,000
			Dichloropropane[1,2-]	8/18/09	ND	ND	10/27/09	510	2400	1/29/10	64	290	4/16/10	530	2400
			Methylene Chloride	8/18/09	9600	33,000	10/27/09	5700	20,000	1/29/10	610	2100	4/16/10	5200	18,000
			Tetrachloroethene	8/18/09	9600	65,000	10/27/09	8000	54,000	1/29/10	1000	7000	4/16/10	10,000	69,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/18/09	3400	26,000	10/27/09	2300	18,000	1/29/10	300	2300	4/16/10	2800	21,000
			Trichloroethane[1,1,1-]	8/18/09	170,000	940,000	10/27/09	120,000	640,000	1/29/10	15,000	81,000	4/16/10	130,000	710,000
			Trichloroethene	8/18/09	33,000	180,000	10/27/09	24,000	130,000	1/29/10	3300	18,000	4/16/10	29,000	150,000
			Trichlorofluoromethane	8/18/09	ND	ND	10/27/09	600	3400	1/29/10	77	430	4/16/10	700	3900
54-02002	40	37.5–42.5	Benzene	7/27/09	790	2500	11/9/09	630	2000	2/3/10	820	2600	4/23/10	700	2200
			Carbon Tetrachloride	7/27/09	1000	6400	11/9/09	700	4400	2/3/10	860	5400	4/23/10	660	4100
			Chlorobenzene	7/27/09	ND	ND	11/9/09	280	1300	2/3/10	370	1700	4/23/10	ND	ND
			Chloroform	7/27/09	5500	27,000	11/9/09	4200	20,000	2/3/10	5400	26,000	4/23/10	4400	21,000
			Dichlorodifluoromethane	7/27/09	480	2300	11/9/09	310	1500	2/3/10	410	2000	4/23/10	ND	ND
			Dichloroethane[1,1-]	7/27/09	3500	14,000	11/9/09	2700	11,000	2/3/10	3400	14,000	4/23/10	3000	12,000
			Dichloroethane[1,2-]	7/27/09	4800	20,000	11/9/09	3600	15,000	2/3/10	4800	19,000	4/23/10	3900	16,000
			Dichloroethene[1,1-]	7/27/09	11,000	43,000	11/9/09	9300	37,000	2/3/10	11,000	44,000	4/23/10	8700	34,000
			Dichloropropane[1,2-]	7/27/09	9100	42,000	11/9/09	7200	33,000	2/3/10	9700	45,000	4/23/10	7400	34,000
			Ethanol	7/27/09	ND	ND	11/9/09	ND	ND	2/3/10	2600	4800	4/23/10	3500	6600
			Hexane	7/27/09	ND	ND	11/9/09	260	920	2/3/10	280	980	4/23/10	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02002 (cont.)	40	37.5–42.5	Methylene Chloride	7/27/09	19,000	66,000	11/9/09	14,000	47,000	2/3/10	15,000	52,000	4/23/10	14,000	50,000
			Tetrachloroethene	7/27/09	5300	36,000	11/9/09	4200	29,000	2/3/10	5400	37,000	4/23/10	3600	25,000
			Tetrahydrofuran	7/27/09	ND	ND	11/9/09	270	790	2/3/10	340	1000	4/23/10	ND	ND
			Toluene	7/27/09	1700	6400	11/9/09	1200	4400	2/3/10	1800	6800	4/23/10	1600	6200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/27/09	32,000	250,000	11/9/09	24,000	190,000	2/3/10	30,000	230,000	4/23/10	26,000	200,000
			Trichloroethane[1,1,1-]	7/27/09	180,000	980,000	11/9/09	140,000	780,000	2/3/10	170,000	940,000	4/23/10	150,000	840,000
			Trichloroethene	7/27/09	47,000	250,000	11/9/09	36,000	190,000	2/3/10	48,000	260,000	4/23/10	38,000	200,000
			Trichlorofluoromethane	7/27/09	4000	23,000	11/9/09	3000	17,000	2/3/10	3500	20,000	4/23/10	3100	17,000
			Xylene[1,2-]	7/27/09	710	3100	11/9/09	550	2400	2/3/10	610	2600	4/23/10	ND	ND
			Xylene[1,3-]+ Xylene[1,4-]	7/27/09	ND	ND	11/9/09	250	1100	2/3/10	370	1600	4/23/10	ND	ND
	100	97.5–102.5	Benzene	7/27/09	630	2000	11/9/09	490	1600	2/3/10	510	1600	4/23/10	ND	ND
			Carbon Tetrachloride	7/27/09	1100	7200	11/9/09	710	4500	2/3/10	750	4700	4/23/10	ND	ND
			Chlorobenzene	7/27/09	470	2200	11/9/09	320	1500	2/3/10	320	1500	4/23/10	ND	ND
			Chloroform	7/27/09	6500	32,000	11/9/09	4800	23,000	2/3/10	4900	24,000	4/23/10	4600	22,000
			Dichlorodifluoromethane	7/27/09	480	2400	11/9/09	320	1600	2/3/10	330	1600	4/23/10	ND	ND
			Dichloroethane[1,1-]	7/27/09	5800	23,000	11/9/09	4300	17,000	2/3/10	4200	17,000	4/23/10	4100	16,000
			Dichloroethane[1,2-]	7/27/09	5500	22,000	11/9/09	4000	16,000	2/3/10	4100	16,000	4/23/10	4000	16,000
			Dichloroethene[1,1-]	7/27/09	10,000	41,000	11/9/09	8700	34,000	2/3/10	8800	35,000	4/23/10	6400	25,000
			Dichloropropane[1,2-]	7/27/09	15,000	70,000	11/9/09	12,000	54,000	2/3/10	12,000	56,000	4/23/10	11,000	52,000
			Ethanol	7/27/09	ND	ND	11/9/09	ND	ND	2/3/10	2600	5000	4/23/10	3800	7100
			Methylene Chloride	7/27/09	16,000	55,000	11/9/09	11,000	37,000	2/3/10	9900	34,000	4/23/10	10,000	35,000
			Tetrachloroethene	7/27/09	7300	50,000	11/9/09	5700	38,000	2/3/10	5300	36,000	4/23/10	4400	30,000
			Tetrahydrofuran	7/27/09	9200	27,000	11/9/09	7300	21,000	2/3/10	7700	23,000	4/23/10	7000	21,000
			Toluene	7/27/09	2100	7800	11/9/09	1400	5100	2/3/10	1500	5800	4/23/10	1400	5300

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	100	97.5–102.5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/27/09	60,000	460,000	11/9/09	45,000	340,000	2/3/10	46,000	350,000	4/23/10	45,000	340,000
			Trichloroethene	7/27/09	58,000	310,000	11/9/09	43,000	230,000	2/3/10	44,000	240,000	4/23/10	42,000	220,000
			Trichlorofluoromethane	7/27/09	3500	20,000	11/9/09	2400	13,000	2/3/10	2400	14,000	4/23/10	2100	12,000
			Xylene[1,2-]	7/27/09	900	3900	11/9/09	570	2500	2/3/10	500	2200	4/23/10	ND	ND
			Xylene[1,3-]+ Xylene[1,4-]	7/27/09	740	3200	11/9/09	430	1800	2/3/10	470	2100	4/23/10	ND	ND
	120	117.5–122.5	Benzene	7/27/09	710	2300	11/9/09	540	1700	2/3/10	700	2200	4/23/10	530	1700
			Carbon Tetrachloride	7/27/09	1000	6400	11/9/09	690	4300	2/3/10	880	5500	4/23/10	530	3300
			Chlorobenzene	7/27/09	440	2000	11/9/09	310	1400	2/3/10	350	1600	4/23/10	ND	ND
			Chloroform	7/27/09	6000	29,000	11/9/09	4300	21,000	2/3/10	5600	28,000	4/23/10	4200	20,000
			Dichlorodifluoromethane	7/27/09	470	2300	11/9/09	300	1500	2/3/10	380	1900	4/23/10	ND	ND
			Dichloroethane[1,1-]	7/27/09	4700	19,000	11/9/09	3400	14,000	2/3/10	4200	17,000	4/23/10	3100	12,000
			Dichloroethane[1,2-]	7/27/09	5600	22,000	11/9/09	3900	16,000	2/3/10	5000	20,000	4/23/10	3700	15,000
			Dichloroethene[1,1-]	7/27/09	10,000	41,000	11/9/09	8600	34,000	2/3/10	10,000	40,000	4/23/10	6300	25,000
			Dichloropropane[1,2-]	7/27/09	12,000	57,000	11/9/09	9200	42,000	2/3/10	12,000	56,000	4/23/10	9400	43,000
			Ethanol	7/27/09	ND	ND	11/9/09	ND	ND	2/3/10	3100	5800	4/23/10	3400	6400
			Hexane	7/27/09	ND	ND	11/9/09	ND	ND	2/3/10	210	740	4/23/10	ND	ND
			Methylene Chloride	7/27/09	18,000	64,000	11/9/09	12,000	43,000	2/3/10	14,000	47,000	4/23/10	11,000	37,000
			Tetrachloroethene	7/27/09	6300	43,000	11/9/09	4600	31,000	2/3/10	5500	38,000	4/23/10	4000	27,000
			Tetrahydrofuran	7/27/09	2800	8300	11/9/09	2200	6600	2/3/10	3000	8800	4/23/10	2200	6400
			Toluene	7/27/09	1500	5700	11/9/09	1000	4000	2/3/10	1300	5000	4/23/10	960	3600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/27/09	43,000	330,000	11/9/09	30,000	230,000	2/3/10	39,000	300,000	4/23/10	30,000	230,000
			Trichloroethane[1,1,1-]	7/27/09	220,000	1,200,000	11/9/09	160,000	880,000	2/3/10	200,000	1,100,000	4/23/10	160,000	860,000
			Trichloroethene	7/27/09	53,000	280,000	11/9/09	37,000	200,000	2/3/10	49,000	260,000	4/23/10	38,000	200,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	120	117.5–122.5	Trichlorofluoromethane	7/27/09	3700	21,000	11/9/09	2500	14,000	2/3/10	3100	17,000	4/23/10	2100	12,000
			Xylene[1,2-]	7/27/09	880	3800	11/9/09	590	2500	2/3/10	560	2400	4/23/10	ND	ND
			Xylene[1,3-]+ Xylene[1,4-]	7/27/09	500	2200	11/9/09	320	1400	2/3/10	310	1400	4/23/10	ND	ND
	180	177.5–182.5	Benzene	7/27/09	750	2400	11/9/09	570	1800	2/3/10	730	2300	NS[b]	NS	NS
			Carbon Tetrachloride	7/27/09	1100	6800	11/9/09	710	4500	2/3/10	930	5900	NS	NS	NS
			Chlorobenzene	7/27/09	460	2100	11/9/09	340	1600	2/3/10	380	1700	NS	NS	NS
			Chloroform	7/27/09	6300	31,000	11/9/09	4400	22,000	2/3/10	5800	28,000	NS	NS	NS
			Dichlorodifluoromethane	7/27/09	510	2500	11/9/09	310	1500	2/3/10	380	1900	NS	NS	NS
			Dichloroethane[1,1-]	7/27/09	4800	19,000	11/9/09	3500	14,000	2/3/10	4400	18,000	NS	NS	NS
			Dichloroethane[1,2-]	7/27/09	5900	24,000	11/9/09	4000	16,000	2/3/10	5300	22,000	NS	NS	NS
			Dichloroethene[1,1-]	7/27/09	11,000	44,000	11/9/09	9200	36,000	2/3/10	11,000	42,000	NS	NS	NS
			Dichloropropane[1,2-]	7/27/09	13,000	59,000	11/9/09	9500	44,000	2/3/10	13,000	60,000	NS	NS	NS
			Ethanol	7/27/09	ND	ND	11/9/09	ND	ND	2/3/10	3400	6300	NS	NS	NS
			Hexane	7/27/09	ND	ND	11/9/09	ND	ND	2/3/10	210	760	NS	NS	NS
			Methylene Chloride	7/27/09	20,000	68,000	11/9/09	13,000	44,000	2/3/10	14,000	50,000	NS	NS	NS
			Tetrachloroethene	7/27/09	6600	45,000	11/9/09	5100	34,000	2/3/10	5800	39,000	NS	NS	NS
			Tetrahydrofuran	7/27/09	2400	7100	11/9/09	2000	5800	2/3/10	2500	7500	NS	NS	NS
			Toluene	7/27/09	1400	5300	11/9/09	1000	3900	2/3/10	1300	4800	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/27/09	44,000	330,000	11/9/09	31,000	240,000	2/3/10	41,000	310,000	NS	NS	NS
			Trichloroethane[1,1,1-]	7/27/09	230,000	1,200,000	11/9/09	170,000	920,000	2/3/10	210,000	1,100,000	NS	NS	NS
			Trichloroethene	7/27/09	55,000	290,000	11/9/09	39,000	210,000	2/3/10	52,000	280,000	NS	NS	NS
			Trichlorofluoromethane	7/27/09	3900	22,000	11/9/09	2600	15,000	2/3/10	3300	18,000	NS	NS	NS

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	180	177.5–182.5	Xylene[1,2-]	7/27/09	840	3600	11/9/09	610	2600	2/3/10	550	2400	NS	NS	NS
			Xylene[1,3-]+ Xylene[1,4-]	7/27/09	380	1600	11/9/09	260	1100	2/3/10	240	1000	NS	NS	NS
	200	197.5–202.5	Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	780	2500
			Carbon Tetrachloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	690	4300
			Chloroform	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	3800	19,000
			Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	390	1900
			Dichloroethane[1,1-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	1800	7300
			Dichloroethane[1,2-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	2000	7900
			Dichloroethene[1,1-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	9900	39,000
			Dichloropropane[1,2-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	3600	16,000
			Hexane	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	430	1500
			Methylene Chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	14,000	48,000
			Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	2600	18,000
			Toluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	1100	4200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	20,000	150,000
			Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	110,000	600,000
			Trichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	32,000	170,000
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	4/23/10	3400	19,000
54-02016	31	28.5–33.5	Carbon Tetrachloride	7/21/09	690	4300	11/3/09	570	3600	1/26/10	940	5900	4/20/10	ND	ND
			Chloroform	7/21/09	3100	15,000	11/3/09	2900	14,000	1/26/10	4700	23,000	4/20/10	3000	14,000
			Dichlorodifluoromethane	7/21/09	470	2300	11/3/09	330	1600	1/26/10	620	3000	4/20/10	560	2800
			Dichloroethane[1,1-]	7/21/09	6100	25,000	11/3/09	5400	22,000	1/26/10	8500	34,000	4/20/10	5500	22,000
			Dichloroethane[1,2-]	7/21/09	50,000	200,000	11/3/09	46,000	190,000	1/26/10	83,000	340,000	4/20/10	56,000	220,000
			Dichloroethene[1,1-]	7/21/09	8300	33,000	11/3/09	11,000	43,000	1/26/10	16,000	64,000	4/20/10	7500	30,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02016 (cont.)	31	28.5–33.5	Dichloropropane[1,2-]	7/21/09	8100	37,000	11/3/09	7200	33,000	1/26/10	12,000	54,000	4/20/10	6800	31,000
			Tetrachloroethene	7/21/09	2600 (J)	18,000 (J)	11/3/09	4700	32,000	1/26/10	8100	55,000	4/20/10	3700	25,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/21/09	98,000	750,000	11/3/09	100,000	780,000	1/26/10	180,000	1,400,000	4/20/10	120,000	890,000
			Trichloroethane[1,1,1-]	7/21/09	230,000	1,300,000	11/3/09	230,000	1,300,000	1/26/10	330,000	1,800,000	4/20/10	230,000	1,200,000
			Trichloroethene	7/21/09	49,000	260,000	11/3/09	50,000	270,000	1/26/10	82,000	440,000	4/20/10	49,000	260,000
			Trichlorofluoromethane	7/21/09	1300	7400	11/3/09	1200	6900	1/26/10	1900	11,000	4/20/10	1300	7200
	82	79.5–84.5	Carbon Tetrachloride	7/21/09	410	2600	11/3/09	360	2300	1/26/10	380	2400	4/20/10	ND	ND
			Chloroform	7/21/09	990	4800	11/3/09	1100	5500	1/26/10	1000	4900	4/20/10	580	2800
			Dichlorodifluoromethane	7/21/09	310	1500	11/3/09	240	1200	1/26/10	280	1400	4/20/10	280	1400
			Dichloroethane[1,1-]	7/21/09	2700	11,000	11/3/09	2700	11,000	1/26/10	2400	9900	4/20/10	1600	6300
			Dichloroethane[1,2-]	7/21/09	2600	10,000	11/3/09	3900	16,000	1/26/10	4200	17,000	4/20/10	2000	8100
			Dichloroethene[1,1-]	7/21/09	5500	22,000	11/3/09	7300	29,000	1/26/10	7000	28,000	4/20/10	3800	15,000
			Dichloropropane[1,2-]	7/21/09	1800	8100	11/3/09	2000	9100	1/26/10	1700	8000	4/20/10	860	4000
			Tetrachloroethene	7/21/09	1900 (J)	13,000 (J)	11/3/09	2800	19,000	1/26/10	3000	20,000	4/20/10	1800	12,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/21/09	64,000	490,000	11/3/09	75,000	580,000	1/26/10	96,000	730,000	4/20/10	66,000	510,000
			Trichloroethane[1,1,1-]	7/21/09	140,000	780,000	11/3/09	150,000	800,000	1/26/10	130,000	730,000	4/20/10	98,000	530,000
			Trichloroethene	7/21/09	26,000	140,000	11/3/09	27,000	140,000	1/26/10	26,000	140,000	4/20/10	16,000	87,000
			Trichlorofluoromethane	7/21/09	880	5000	11/3/09	860	4800	1/26/10	910	5100	4/20/10	680	3800
54-02021	20	10–30	Carbon Tetrachloride	7/22/09	38	240	10/28/09	35	220	1/27/10	ND	ND	4/1/10	26	160
			Chloroform	7/22/09	85	410	10/28/09	85	410	1/27/10	58	280	4/1/10	85	410
			Dichlorodifluoromethane	7/22/09	89	440	10/28/09	87	430	1/27/10	67	330	4/1/10	92	450
			Dichloroethane[1,1-]	7/22/09	560	2300	10/28/09	530	2100	1/27/10	360	1500	4/1/10	510	2100

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	20	10–30	Dichloroethane[1,2-]	7/22/09	290	1200	10/28/09	300	1200	1/27/10	220	910	4/1/10	340	1400
			Dichloroethene[1,1-]	7/22/09	680	2700	10/28/09	740	3000	1/27/10	550	2200	4/1/10	680	2700
			Dichloropropane[1,2-]	7/22/09	63	290	10/28/09	56	260	1/27/10	41	190	4/1/10	57	260
			Tetrachloroethene	7/22/09	350 (J)	2400 (J)	10/28/09	610	4100	1/27/10	420	2800	4/1/10	680	4600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/22/09	310	2400	10/28/09	310	2400	1/27/10	230	1800	4/1/10	360	2800
			Trichloroethane[1,1,1-]	7/22/09	16,000	90,000	10/28/09	17,000	93,000	1/27/10	11,000	62,000	4/1/10	18,000	98,000
			Trichloroethene	7/22/09	3700	20,000	10/28/09	3600	19,000	1/27/10	2400	13,000	4/1/10	3600	20,000
			Trichlorofluoromethane	7/22/09	77	440	10/28/09	85	480	1/27/10	63	350	4/1/10	99	560
	100	90–110	Carbon Tetrachloride	7/22/09	ND	ND	10/28/09	71	450	1/27/10	92	580	4/1/10	80	510
			Chloroform	7/22/09	200	970	10/28/09	160	780	1/27/10	220	1100	4/1/10	250	1200
			Dichlorodifluoromethane	7/22/09	210	1000	10/28/09	160	790	1/27/10	240	1200	4/1/10	240	1200
			Dichloroethane[1,1-]	7/22/09	1300	5200	10/28/09	990	4000	1/27/10	1400	5600	4/1/10	1400	5800
			Dichloroethane[1,2-]	7/22/09	1400	5500	10/28/09	1200	4600	1/27/10	1700	6700	4/1/10	1800	7400
			Dichloroethene[1,1-]	7/22/09	1600	6500	10/28/09	1500	6000	1/27/10	2300	9000	4/1/10	1900	7400
			Dichloropropane[1,2-]	7/22/09	170	800	10/28/09	130	610	1/27/10	200	900	4/1/10	200	920
			Methylene Chloride	7/22/09	660	2300	10/28/09	500	1700	1/27/10	640	2200	4/1/10	700	2400
			Tetrachloroethene	7/22/09	680 (J)	4600 (J)	10/28/09	960	6600	1/27/10	1400	9400	4/1/10	1600	10,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/22/09	870	6600	10/28/09	650	5000	1/27/10	900	6900	4/1/10	990	7600
			Trichloroethane[1,1,1-]	7/22/09	41,000	220,000	10/28/09	35,000	190,000	1/27/10	47,000	260,000	4/1/10	53,000	290,000
			Trichloroethene	7/22/09	8800	47,000	10/28/09	6900	37,000	1/27/10	9900	53,000	4/1/10	10,000	56,000
			Trichlorofluoromethane	7/22/09	190	1100	10/28/09	160	920	1/27/10	230	1300	4/1/10	260	1400
	120	110–130	Carbon Tetrachloride	NS	NS	NS	10/28/09	47	300	NS	NS	NS	4/1/10	57	360
			Chloroform	NS	NS	NS	10/28/09	120	570	NS	NS	NS	4/1/10	170	840

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	120	110–130	Dichlorodifluoromethane	NS	NS	NS	10/28/09	120	580	NS	NS	NS	4/1/10	180	880
			Dichloroethane[1,1-]	NS	NS	NS	10/28/09	690	2800	NS	NS	NS	4/1/10	970	3900
			Dichloroethane[1,2-]	NS	NS	NS	10/28/09	740	3000	NS	NS	NS	4/1/10	1100	4600
			Dichloroethene[1,1-]	NS	NS	NS	10/28/09	1100	4400	NS	NS	NS	4/1/10	1400	5400
			Dichloropropane[1,2-]	NS	NS	NS	10/28/09	87	400	NS	NS	NS	4/1/10	130	580
			Methylene Chloride	NS	NS	NS	10/28/09	450	1600	NS	NS	NS	4/1/10	590	2000
			Tetrachloroethene	NS	NS	NS	10/28/09	650	4400	NS	NS	NS	4/1/10	970	6600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	10/28/09	490	3700	NS	NS	NS	4/1/10	730	5600
			Trichloroethane[1,1,1-]	NS	NS	NS	10/28/09	25,000	140,000	NS	NS	NS	4/1/10	37,000	200,000
			Trichloroethene	NS	NS	NS	10/28/09	5000	27,000	NS	NS	NS	4/1/10	7200	39,000
			Trichlorofluoromethane	NS	NS	NS	10/28/09	120	670	NS	NS	NS	4/1/10	190	1100
	140	130–150	Carbon Tetrachloride	7/22/09	140[c]	870[c]	10/28/09	87	550	1/27/10	120	780	4/1/10	92	580
			Chloroform	7/22/09	260	1200	10/28/09	180	900	1/27/10	270	1300	4/1/10	260	1300
			Dichlorodifluoromethane	7/22/09	300	1500	10/28/09	190	950	1/27/10	300	1500	4/1/10	280	1400
			Dichloroethane[1,1-]	7/22/09	1400	5800	10/28/09	1000	4200	1/27/10	1600	6300	4/1/10	1400	5700
			Dichloroethane[1,2-]	7/22/09	1400	5600	10/28/09	1000	4100	1/27/10	1600	6400	4/1/10	1500	6000
			Dichloroethene[1,1-]	7/22/09	2200	8800	10/28/09	2000	7900	1/27/10	3000	12,000	4/1/10	2200	8700
			Dichloropropane[1,2-]	7/22/09	170	770	10/28/09	130	580	1/27/10	190	880	4/1/10	160	730
			Methylene Chloride	7/22/09	1100	3800	10/28/09	790	2700	1/27/10	1000	3600	4/1/10	980	3400
			Tetrachloroethene	7/22/09	840 (J)	5700 (J)	10/28/09	990	6700	1/27/10	1500	10,000	4/1/10	1400	9700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/22/09	1100	8800	10/28/09	820	6300	1/27/10	1200	9600	4/1/10	1200	9300
			Trichloroethane[1,1,1-]	7/22/09	58,000	310,000	10/28/09	40,000	220,000	1/27/10	58,000	310,000	4/1/10	57,000	310,000
			Trichloroethene	7/22/09	11,000	58,000	10/28/09	8000	43,000	1/27/10	12,000	67,000	4/1/10	11,000	60,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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	140	130–150	Trichlorofluoromethane	7/22/09	280	1600	10/28/09	200	1100	1/27/10	300	1700	4/1/10	300	1700
(cont.)	160	150–170	Carbon Tetrachloride	7/22/09	88	560	NS	NS	NS	1/27/10	72	450	NS	NS	NS
			Chloroform	7/22/09	190	920	NS	NS	NS	1/27/10	150	750	NS	NS	NS
			Dichlorodifluoromethane	7/22/09	250	1200	NS	NS	NS	1/27/10	190	930	NS	NS	NS
			Dichloroethane[1,1-]	7/22/09	1000	4000	NS	NS	NS	1/27/10	840	3400	NS	NS	NS
			Dichloroethane[1,2-]	7/22/09	740	3000	NS	NS	NS	1/27/10	690	2800	NS	NS	NS
			Dichloroethene[1,1-]	7/22/09	1900	7400	NS	NS	NS	1/27/10	1800	7200	NS	NS	NS
			Dichloropropane[1,2-]	7/22/09	95	440	NS	NS	NS	1/27/10	89	410	NS	NS	NS
			Methylene Chloride	7/22/09	1000	3500	NS	NS	NS	1/27/10	700	2400	NS	NS	NS
			Tetrachloroethene	7/22/09	560 (J)	3800 (J)	NS	NS	NS	1/27/10	810	5500	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/22/09	960	7400	NS	NS	NS	1/27/10	780	6000	NS	NS	NS
			Trichloroethane[1,1,1-]	7/22/09	42,000	230,000	NS	NS	NS	1/27/10	34,000	180,000	NS	NS	NS
			Trichloroethene	7/22/09	8000	43,000	NS	NS	NS	1/27/10	7200	39,000	NS	NS	NS
			Trichlorofluoromethane	7/22/09	240	1400	NS	NS	NS	1/27/10	190	1000	NS	NS	NS
54-02022	40	37.5–42.5	Chloroform	7/24/09	270	1300	10/28/09	200	990	1/28/10	280	1400	4/5/10	310	1500
			Dichlorodifluoromethane	7/24/09	300	1500	10/28/09	190	950	1/28/10	260	1300	4/5/10	280	1400
			Dichloroethane[1,1-]	7/24/09	2000	8100	10/28/09	1400	5800	1/28/10	2000	8100	4/5/10	2000	8300
			Dichloroethane[1,2-]	7/24/09	2100	8400	10/28/09	1500	6100	1/28/10	2200	9000	4/5/10	2300	9300
			Dichloroethene[1,1-]	7/24/09	1600	6400	10/28/09	1600	6600	1/28/10	2000	7800	4/5/10	1600	6500
			Dichloropropane[1,2-]	7/24/09	220	1000	10/28/09	180	810	1/28/10	240	1100	4/5/10	230	1100
			Methylene Chloride	7/24/09	110	380	10/28/09	100	360	1/28/10	98	340	4/5/10	94	330
			Tetrachloroethene	7/24/09	1700 (J-)	11,000 (J-)	10/28/09	2300	15,000	1/28/10	3200	22,000	4/5/10	3400	23,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/24/09	860	6600	10/28/09	650	5000	1/28/10	920	7000	4/5/10	1100	8400

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 ($\mu g/m^3$)
54-02022 (cont.)			Trichloroethane[1,1,1-]	7/24/09	65,000	350,000	10/28/09	48,000	260,000	1/28/10	65,000	360,000	4/5/10	70,000	380,000
			Trichloroethene	7/24/09	12,000	64,000	10/28/09	9400	51,000	1/28/10	14,000	75,000	4/5/10	14,000	75,000
			Trichlorofluoromethane	7/24/09	250	1400	10/28/09	180	1000	1/28/10	250	1400	4/5/10	290	1600
	80	77.5–82.5	Chloroform	7/24/09	390	1900	10/28/09	260	1200	1/28/10	310	1500	4/5/10	360	1800
			Dichlorodifluoromethane	7/24/09	430	2100	10/28/09	250	1200	1/28/10	300	1500	4/5/10	340	1700
			Dichloroethane[1,1-]	7/24/09	2600	11,000	10/28/09	1800	7200	1/28/10	2100	8400	4/5/10	2300	9400
			Dichloroethane[1,2-]	7/24/09	3300	13,000	10/28/09	2200	9100	1/28/10	2700	11,000	4/5/10	3200	13,000
			Dichloroethene[1,1-]	7/24/09	2400	9400	10/28/09	2100	8200	1/28/10	2200	8800	4/5/10	2100	8400
			Dichloropropane[1,2-]	7/24/09	330	1500	10/28/09	220	1000	1/28/10	260	1200	4/5/10	300	1400
			Methylene Chloride	7/24/09	920	3200	10/28/09	570	2000	1/28/10	580	2000	4/5/10	690	2400
			Tetrachloroethene	7/24/09	1900 (J-)	13,000 (J-)	10/28/09	2400	16,000	1/28/10	2700	18,000	4/5/10	3500	24,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/24/09	1100	8800	10/28/09	780	6000	1/28/10	890	6800	4/5/10	1100	8400
			Trichloroethane[1,1,1-]	7/24/09	94,000	510,000	10/28/09	62,000	340,000	1/28/10	71,000	380,000	4/5/10	84,000	460,000
			Trichloroethene	7/24/09	16,000	87,000	10/28/09	12,000	62,000	1/28/10	14,000	73,000	4/5/10	16,000	85,000
			Trichlorofluoromethane	7/24/09	340	1900	10/28/09	220	1300	1/28/10	270	1500	4/5/10	340	1900
	120	117.5–122.5	Chloroform	7/24/09	430	2100	10/28/09	310	1500	1/28/10	380	1800	4/5/10	410	2000
			Dichlorodifluoromethane	7/24/09	490	2400	10/28/09	300	1500	1/28/10	380	1900	4/5/10	390	1900
			Dichloroethane[1,1-]	7/24/09	2700	11,000	10/28/09	1900	7800	1/28/10	2300	9400	4/5/10	2400	9800
			Dichloroethane[1,2-]	7/24/09	3000	12,000	10/28/09	2100	8600	1/28/10	2600	11,000	4/5/10	2900	12,000
			Dichloroethene[1,1-]	7/24/09	3300	13,000	10/28/09	2900	12,000	1/28/10	3200	13,000	4/5/10	2800	11,000
			Dichloropropane[1,2-]	7/24/09	340	1600	10/28/09	260	1200	1/28/10	310	1400	4/5/10	320	1500
			Methylene Chloride	7/24/09	1200	4300	10/28/09	840	2900	1/28/10	860	3000	4/5/10	950	3300

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	120	117.5–122.5	Tetrachloroethene	7/24/09	1600 (J-)	10,000 (J-)	10/28/09	2000	14,000	1/28/10	2100	14,000	4/5/10	2700	18,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/24/09	1300	9700	10/28/09	890	6800	1/28/10	1100	8200	4/5/10	1200	9000
			Trichloroethane[1,1,1-]	7/24/09	110,000	580,000	10/28/09	74,000	400,000	1/28/10	85,000	470,000	4/5/10	95,000	520,000
			Trichloroethene	7/24/09	18,000	98,000	10/28/09	13,000	72,000	1/28/10	16,000	85,000	4/5/10	17,000	92,000
			Trichlorofluoromethane	7/24/09	400	2300	10/28/09	270	1500	1/28/10	330	1900	4/5/10	380	2200
	140	137.5–142.5	Chloroform	7/24/09	380	1800	10/28/09	250	1200	1/28/10	310	1500	4/5/10	370	1800
			Dichlorodifluoromethane	7/24/09	490	2400	10/28/09	280	1400	1/28/10	350	1700	4/5/10	400	2000
			Dichloroethane[1,1-]	7/24/09	2200	9000	10/28/09	1500	6100	1/28/10	1800	7300	4/5/10	2000	8000
			Dichloroethane[1,2-]	7/24/09	1700	6900	10/28/09	1200	4700	1/28/10	1600	6400	4/5/10	1700	6900
			Dichloroethene[1,1-]	7/24/09	3700	15,000	10/28/09	3000	12,000	1/28/10	3500	14,000	4/5/10	3200	13,000
			Dichloropropane[1,2-]	7/24/09	240	1100	10/28/09	160	750	1/28/10	220	1000	4/5/10	220	1000
			Methylene Chloride	7/24/09	2000	6800	10/28/09	1300	4400	1/28/10	1400	4800	4/5/10	1600	5600
			Tetrachloroethene	7/24/09	1000 (J-)	7000 (J-)	10/28/09	1300	8900	1/28/10	1500	10,000	4/5/10	1800	12,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/24/09	1300	9900	10/28/09	840	6400	1/28/10	970	7500	4/5/10	1200	9000
			Trichloroethane[1,1,1-]	7/24/09	96,000	520,000	10/28/09	62,000	340,000	1/28/10	74,000	400,000	4/5/10	87,000	470,000
			Trichloroethene	7/24/09	17,000	90,000	10/28/09	12,000	63,000	1/28/10	14,000	77,000	4/5/10	16,000	84,000
			Trichlorofluoromethane	7/24/09	400	2200	10/28/09	260	1400	1/28/10	300	1700	4/5/10	380	2100
54-02023	40	30–50	Carbon Tetrachloride	7/30/09	ND	ND	11/12/09	30	190	2/9/10	35	220	4/28/10	ND	ND
			Chloroform	7/30/09	240	1200	11/12/09	250	1200	2/9/10	320	1600	4/28/10	240	1200
			Dichlorodifluoromethane	7/30/09	36	180	11/12/09	37	180	2/9/10	51	250	4/28/10	34	170
			Dichloroethane[1,1-]	7/30/09	100	420	11/12/09	100	410	2/9/10	130	520	4/28/10	99	400
			Dichloroethane[1,2-]	7/30/09	ND	ND	11/12/09	16	64	2/9/10	21	84	4/28/10	ND	ND
			Dichloroethene[1,1-]	7/30/09	580	2300	11/12/09	560	2200	2/9/10	740	2900	4/28/10	570	2300

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02023	40	30–50	Dichloropropane[1,2-]	7/30/09	70	320	11/12/09	80	370	2/9/10	100	490	4/28/10	79	360
(cont.)			Methylene Chloride	7/30/09	ND	ND	11/12/09	14	49	2/9/10	14	49	4/28/10	ND	ND
			Tetrachloroethene	7/30/09	170	1200	11/12/09	200	1400	2/9/10	240	1600	4/28/10	180	1200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/30/09	1400	11,000	11/12/09	1300	10,000	2/9/10	1700	13,000	4/28/10	1400	11,000
			Trichloroethane[1,1,1-]	7/30/09	7100	39,000	11/12/09	7200	39,000	2/9/10	8800	48,000	4/28/10	6900	38,000
			Trichloroethene	7/30/09	1900	10,000	11/12/09	1900	10,000	2/9/10	2600	14,000	4/28/10	2000	11,000
			Trichlorofluoromethane	7/30/09	250	1400	11/12/09	250	1400	2/9/10	320	1800	4/28/10	250	1400
	100	90–110	Benzene	7/31/09	ND	ND	11/12/09	31	99	2/9/10	33	100	4/28/10	ND	ND
			Carbon Tetrachloride	7/31/09	45	280	11/12/09	61	380	2/9/10	63	400	4/28/10	43	270
			Chloroform	7/31/09	400	1900	11/12/09	430	2100	2/9/10	440	2100	4/28/10	410	2000
			Dichlorodifluoromethane	7/31/09	54	270	11/12/09	72	360	2/9/10	74	370	4/28/10	62	310
			Dichloroethane[1,1-]	7/31/09	160	670	11/12/09	180	720	2/9/10	180	710	4/28/10	150	600
			Dichloroethane[1,2-]	7/31/09	46	190	11/12/09	49	200	2/9/10	48	200	4/28/10	45	180
			Dichloroethene[1,1-]	7/31/09	1000	4100	11/12/09	1100	4400	2/9/10	1100	4500	4/28/10	910	3600
			Dichloropropane[1,2-]	7/31/09	110	520	11/12/09	130	600	2/9/10	130	620	4/28/10	120	550
			Methylene Chloride	7/31/09	120	430	11/12/09	140	490	2/9/10	130	470	4/28/10	120	440
			Tetrachloroethene	7/31/09	270	1900	11/12/09	340	2300	2/9/10	300	2100	4/28/10	280	1900
			Toluene	7/31/09	ND	ND	11/12/09	25	93	2/9/10	25	94	4/28/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/31/09	2500	19,000	11/12/09	2400	19,000	2/9/10	2400	18,000	4/28/10	2400	18,000
			Trichloroethane[1,1,1-]	7/31/09	11,000	62,000	11/12/09	12,000	67,000	2/9/10	12,000	64,000	4/28/10	12,000	64,000
			Trichloroethene	7/31/09	3300	18,000	11/12/09	3600	19,000	2/9/10	3700	20,000	4/28/10	3500	19,000
			Trichlorofluoromethane	7/31/09	410	2300	11/12/09	460	2600	2/9/10	450	2500	4/28/10	430	2400

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	120	110–130	Acetone	7/31/09	13	30[d]	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Chloroform	7/31/09	1.2	5.8[d]	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	7/31/09	2.7	11[d]	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	7/31/09	2	14[d]	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/31/09	6.8	52[d]	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	7/31/09	33	180[d]	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethene	7/31/09	14	74[d]	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	7/31/09	1.3	7.5[d]	NS	NS	NS	NS	NS	NS	NS	NS	NS
	140	130–149	Benzene	NS	NS	NS	11/12/09	45	140	2/9/10	56	180	4/28/10	35	110
			Carbon Tetrachloride	NS	NS	NS	11/12/09	85	540	2/9/10	100	630	4/28/10	57	360
			Chloroform	NS	NS	NS	11/12/09	400	2000	2/9/10	490	2400	4/28/10	340	1600
			Dichlorodifluoromethane	NS	NS	NS	11/12/09	86	430	2/9/10	110	530	4/28/10	65	320
			Dichloroethane[1,1-]	NS	NS	NS	11/12/09	160	640	2/9/10	190	770	4/28/10	120	490
			Dichloroethane[1,2-]	NS	NS	NS	11/12/09	25	100	2/9/10	33	130	4/28/10	ND	ND
			Dichloroethene[1,1-]	NS	NS	NS	11/12/09	1300	5100	2/9/10	1600	6200	4/28/10	970	3900
			Dichloropropane[1,2-]	NS	NS	NS	11/12/09	90	410	2/9/10	110	510	4/28/10	70	320
			Methylene Chloride	NS	NS	NS	11/12/09	61	210	2/9/10	64	220	4/28/10	46	160
			Tetrachloroethene	NS	NS	NS	11/12/09	310	2100	2/9/10	340	2300	4/28/10	230	1500
			Toluene	NS	NS	NS	11/12/09	30	110	2/9/10	35	130	4/28/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	11/12/09	2700	21,000	2/9/10	3200	24,000	4/28/10	2400	18,000
			Trichloroethane[1,1,1-]	NS	NS	NS	11/12/09	12,000	66,000	2/9/10	14,000	74,000	4/28/10	10,000	55,000
			Trichloroethene	NS	NS	NS	11/12/09	3600	20,000	2/9/10	4500	24,000	4/28/10	3200	17,000
			Trichlorofluoromethane	NS	NS	NS	11/12/09	490	2700	2/9/10	570	3200	4/28/10	430	2400

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	159	149–169	Benzene	7/31/09	50	160	11/12/09	60	190	2/9/10	66	210	4/28/10	52	170
			Carbon Tetrachloride	7/31/09	85	540	11/12/09	110	700	2/9/10	120	760	4/28/10	82	520
			Chloroform	7/31/09	410	2000	11/12/09	480	2300	2/9/10	510	2500	4/28/10	430	2100
			Dichlorodifluoromethane	7/31/09	80	390	11/12/09	110	550	2/9/10	130	630	4/28/10	95	470
			Dichloroethane[1,1-]	7/31/09	160	640	11/12/09	180	740	2/9/10	190	780	4/28/10	150	600
			Dichloroethane[1,2-]	7/31/09	ND	ND	11/12/09	29	120	2/9/10	32	130	4/28/10	ND	ND
			Dichloroethene[1,1-]	7/31/09	1400	5800	11/12/09	1600	6500	2/9/10	1800	7000	4/28/10	1400	5600
			Dichloropropane[1,2-]	7/31/09	72	330	11/12/09	96	440	2/9/10	100	470	4/28/10	78	360
			Methylene Chloride	7/31/09	140	470	11/12/09	160	570	2/9/10	150	510	4/28/10	140	490
			Tetrachloroethene	7/31/09	280	1900	11/12/09	370	2500	2/9/10	380	2500	4/28/10	300	2000
			Toluene	7/31/09	ND	ND	11/12/09	30	110	2/9/10	26	99	4/28/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/31/09	3300	25,000	11/12/09	3400	26,000	2/9/10	3600	28,000	4/28/10	3400	26,000
			Trichloroethane[1,1,1-]	7/31/09	13,000	69,000	11/12/09	14,000	79,000	2/9/10	14,000	79,000	4/28/10	13,000	71,000
			Trichloroethene	7/31/09	3800	20,000	11/12/09	4500	24,000	2/9/10	4800	26,000	4/28/10	4200	22,000
			Trichlorofluoromethane	7/31/09	530	3000	11/12/09	620	3500	2/9/10	640	3600	4/28/10	580	3300
54-02024	40	30–50	Benzene	7/29/09	20	63	11/13/09	ND	ND	2/10/10	8.5	27	4/28/10	ND	ND
			Carbon Tetrachloride	7/29/09	71	440	11/13/09	38	240	2/10/10	29	180	4/28/10	41	260
			Chloroform	7/29/09	520	2600	11/13/09	320	1600	2/10/10	220	1100	4/28/10	430	2100
			Cyclohexane	7/29/09	ND	ND	11/13/09	ND	ND	2/10/10	130	450	4/28/10	ND	ND
			Dichlorodifluoromethane	7/29/09	54	270	11/13/09	30	150	2/10/10	22	110	4/28/10	ND	ND
			Dichloroethane[1,1-]	7/29/09	240	960	11/13/09	150	610	2/10/10	98	390	4/28/10	190	760
			Dichloroethane[1,2-]	7/29/09	69	280	11/13/09	49	200	2/10/10	30	120	4/28/10	57	230
			Dichloroethene[1,1-]	7/29/09	790	3100	11/13/09	550	2200	2/10/10	360	1400	4/28/10	710	2800
			Dichloropropane[1,2-]	7/29/09	370	1700	11/13/09	260	1200	2/10/10	170	790	4/28/10	320	1500

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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	40	30–50	Ethylbenzene	7/29/09	ND	ND	11/13/09	30	130	2/10/10	ND	ND	4/28/10	ND	ND
(cont.)			Ethyltoluene[4-]	7/29/09	ND	ND	11/13/09	80	390	2/10/10	ND	ND	4/28/10	ND	ND
			Methylene Chloride	7/29/09	ND	ND	11/13/09	20	70	2/10/10	ND	ND	4/28/10	ND	ND
			Styrene	7/29/09	ND	ND	11/13/09	82	350	2/10/10	ND	ND	4/28/10	ND	ND
			Tetrachloroethene	7/29/09	400	2700	11/13/09	300	2000	2/10/10	180	1200	4/28/10	340	2300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/29/09	2200	17,000	11/13/09	1400	11,000	2/10/10	960	7300	4/28/10	2100	16,000
			Trichloroethane[1,1,1-]	7/29/09	13,000	73,000	11/13/09	8600	47,000	2/10/10	5500	30,000	4/28/10	11,000	61,000
			Trichloroethene	7/29/09	3400	18,000	11/13/09	2200	12,000	2/10/10	1500	8000	4/28/10	3000	16,000
			Trichlorofluoromethane	7/29/09	440	2400	11/13/09	260	1400	2/10/10	180	980	4/28/10	350	2000
			Trimethylbenzene[1,3,5-]	7/29/09	ND	ND	11/13/09	20	96	2/10/10	ND	ND	4/28/10	ND	ND
	100	90–110	Benzene	7/29/09	72	230	11/13/09	50	160	2/10/10	66	210	4/28/10	64	200
			Carbon Tetrachloride	7/29/09	140	910	11/13/09	86	540	2/10/10	110	720	4/28/10	94	590
			Chloroform	7/29/09	940	4600	11/13/09	620	3000	2/10/10	800	3900	4/28/10	830	4000
			Cyclohexane	7/29/09	ND	ND	11/13/09	ND	ND	2/10/10	460	1600	4/28/10	ND	ND
			Dichlorodifluoromethane	7/29/09	100	510	11/13/09	67	330	2/10/10	85	420	4/28/10	76	370
			Dichloroethane[1,1-]	7/29/09	380	1500	11/13/09	260	1100	2/10/10	310	1300	4/28/10	300	1200
			Dichloroethane[1,2-]	7/29/09	220	880	11/13/09	140	580	2/10/10	180	720	4/28/10	180	750
			Dichloroethene[1,1-]	7/29/09	1600	6500	11/13/09	1200	4900	2/10/10	1400	5800	4/28/10	1300	5200
			Dichloropropane[1,2-]	7/29/09	600	2800	11/13/09	420	1900	2/10/10	540	2500	4/28/10	520	2400
			Methylene Chloride	7/29/09	480	1600	11/13/09	290	1000	2/10/10	340	1200	4/28/10	360	1200
			Tetrachloroethene	7/29/09	700	4700	11/13/09	520	3500	2/10/10	650	4400	4/28/10	610	4200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/29/09	4500	34,000	11/13/09	2800	22,000	2/10/10	3600	28,000	4/28/10	4100	31,000
			Trichloroethane[1,1,1-]	7/29/09	24,000	130,000	11/13/09	16,000	87,000	2/10/10	19,000	100,000	4/28/10	21,000	120,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	140	130–150	Trichloroethene	7/29/09	6300	34,000	11/13/09	4200	22,000	2/10/10	5500	30,000	4/28/10	5900	32,000
			Trichlorofluoromethane	7/29/09	870	4900	11/13/09	570	3200	2/10/10	690	3900	4/28/10	770	4300
			Benzene	7/29/09	ND	ND	11/13/09	90	280	2/10/10	100	340	4/28/10	110	340
			Carbon Tetrachloride	7/29/09	140	850	11/13/09	110	680	2/10/10	140	860	4/28/10	120	750
			Chloroform	7/29/09	930	4500	11/13/09	700	3400	2/10/10	860	4200	4/28/10	900	4400
			Cyclohexane	7/29/09	ND	ND	11/13/09	ND	ND	2/10/10	480	1600	4/28/10	ND	ND
			Dichlorodifluoromethane	7/29/09	ND	ND	11/13/09	89	440	2/10/10	110	540	4/28/10	100	510
			Dichloroethane[1,1-]	7/29/09	300	1200	11/13/09	270	1100	2/10/10	300	1200	4/28/10	320	1300
			Dichloroethane[1,2-]	7/29/09	240	980	11/13/09	170	690	2/10/10	200	810	4/28/10	210	840
			Dichloroethene[1,1-]	7/29/09	1900	7500	11/13/09	1600	6300	2/10/10	1800	7300	4/28/10	2000	7800
			Dichloropropane[1,2-]	7/29/09	410	1900	11/13/09	390	1800	2/10/10	460	2100	4/28/10	450	2100
			Ethylbenzene	7/29/09	ND	ND	11/13/09	87	380	2/10/10	ND	ND	4/28/10	ND	ND
			Ethyltoluene[4-]	7/29/09	ND	ND	11/13/09	240	1200	2/10/10	ND	ND	4/28/10	ND	ND
			Hexane	7/29/09	ND	ND	11/13/09	27	94	2/10/10	ND	ND	4/28/10	ND	ND
			Methylene Chloride	7/29/09	1100	3900	11/13/09	820	2900	2/10/10	860	3000	4/28/10	1000	3600
			Styrene	7/29/09	ND	ND	11/13/09	240	1000	2/10/10	ND	ND	4/28/10	ND	ND
			Tetrachloroethene	7/29/09	590	4000	11/13/09	560	3800	2/10/10	660	4400	4/28/10	630	4300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/29/09	4800	37,000	11/13/09	3500	27,000	2/10/10	4100	32,000	4/28/10	4800	37,000
			Trichloroethane[1,1,1-]	7/29/09	22,000	120,000	11/13/09	17,000	93,000	2/10/10	20,000	110,000	4/28/10	21,000	110,000
			Trichloroethene	7/29/09	6000	32,000	11/13/09	4700	25,000	2/10/10	6100	33,000	4/28/10	6300	34,000
			Trichlorofluoromethane	7/29/09	1000	5700	11/13/09	690	3900	2/10/10	800	4500	4/28/10	900	5000
			Trimethylbenzene[1,2,4-]	7/29/09	ND	ND	11/13/09	43	210	2/10/10	ND	ND	4/28/10	ND	ND
			Trimethylbenzene[1,3,5-]	7/29/09	ND	ND	11/13/09	60	300	2/10/10	ND	ND	4/28/10	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	160	150–170	Benzene	7/29/09	120	400	11/13/09	140	460	2/10/10	140	450	4/28/10	130	420
			Carbon Tetrachloride	7/29/09	150	920	11/13/09	170	1100	2/10/10	160	1000	4/28/10	140	880
			Chloroform	7/29/09	1000	4900	11/13/09	1000	4900	2/10/10	1000	4900	4/28/10	1000	5000
			Cyclohexane	7/29/09	ND	ND	11/13/09	ND	ND	2/10/10	540	1800	4/28/10	ND	ND
			Dichlorodifluoromethane	7/29/09	140	710	11/13/09	130	650	2/10/10	130	660	4/28/10	120	600
			Dichloroethane[1,1-]	7/29/09	310	1300	11/13/09	340	1400	2/10/10	340	1400	4/28/10	320	1300
			Dichloroethane[1,2-]	7/29/09	250	1000	11/13/09	230	950	2/10/10	220	910	4/28/10	240	960
			Dichloroethene[1,1-]	7/29/09	2300	9300	11/13/09	2400	9700	2/10/10	2300	9100	4/28/10	2100	8400
			Dichloropropane[1,2-]	7/29/09	420	1900	11/13/09	470	2200	2/10/10	480	2200	4/28/10	440	2000
			Methylene Chloride	7/29/09	1600	5400	11/13/09	1600	5400	2/10/10	1400	4700	4/28/10	1500	5100
			Tetrachloroethene	7/29/09	610	4200	11/13/09	710	4800	2/10/10	700	4700	4/28/10	660	4500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/29/09	5400	41,000	11/13/09	4900	38,000	2/10/10	5000	38,000	4/28/10	5500	42,000
			Trichloroethane[1,1,1-]	7/29/09	24,000	130,000	11/13/09	23,000	130,000	2/10/10	22,000	120,000	4/28/10	24,000	130,000
			Trichloroethene	7/29/09	6500	35,000	11/13/09	6800	36,000	2/10/10	6900	37,000	4/28/10	7300	39,000
			Trichlorofluoromethane	7/29/09	1100	6400	11/13/09	1000	5600	2/10/10	960	5400	4/28/10	1100	6000
54-02025	20	20	Carbon Tetrachloride	7/27/09	240	1500	11/10/09	130	810	2/2/10	160	1000	4/27/10	140	900
			Chloroform	7/27/09	1500	7200	11/10/09	900	4400	2/2/10	1100	5300	4/27/10	1200	5600
			Dichlorodifluoromethane	7/27/09	93	460	11/10/09	50	250	2/2/10	69	340	4/27/10	ND	ND
			Dichloroethane[1,1-]	7/27/09	840	3400	11/10/09	520	2100	2/2/10	610	2500	4/27/10	630	2600
			Dichloroethane[1,2-]	7/27/09	340	1400	11/10/09	210	870	2/2/10	260	1000	4/27/10	260	1000
			Dichloroethene[1,1-]	7/27/09	1500	6000	11/10/09	1200	4700	2/2/10	1300	5200	4/27/10	1100	4400
			Dichloropropane[1,2-]	7/27/09	2400	11,000	11/10/09	1600	7400	2/2/10	2000	9200	4/27/10	1900	8700
			Methylene Chloride	7/27/09	71	250	11/10/09	ND	ND	2/2/10	ND	ND	4/27/10	ND	ND
			Tetrachloroethene	7/27/09	1800	12,000	11/10/09	1100	7700	2/2/10	1400	9500	4/27/10	1400	9700

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	20	20	Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/27/09	8400	65,000	11/10/09	4900	38,000	2/2/10	7000	53,000	4/27/10	9400	72,000
			Trichloroethane[1,1,1-]	7/27/09	45,000	240,000	11/10/09	27,000	150,000	2/2/10	32,000	180,000	4/27/10	39,000	210,000
			Trichloroethene	7/27/09	9000	48,000	11/10/09	5400	29,000	2/2/10	7000	38,000	4/27/10	7700	41,000
			Trichlorofluoromethane	7/27/09	870	4900	11/10/09	500	2800	2/2/10	630	3500	4/27/10	710	4000
	100	100	Benzene	7/27/09	280	900	11/10/09	200	640	2/2/10	240	760	4/27/10	220	720
			Carbon Tetrachloride	7/27/09	470	3000	11/10/09	270	1700	2/2/10	360	2200	4/27/10	270	1700
			Chlorobenzene	7/27/09	130	600	11/10/09	86	400	2/2/10	100	460	4/27/10	ND	ND
			Chloroform	7/27/09	2900	14,000	11/10/09	2000	9700	2/2/10	2100	10,000	4/27/10	2400	12,000
			Dichlorodifluoromethane	7/27/09	220	1100	11/10/09	140	680	2/2/10	ND	ND	4/27/10	ND	ND
			Dichloroethane[1,1-]	7/27/09	1300	5400	11/10/09	920	3700	2/2/10	920	3700	4/27/10	1000	4100
			Dichloroethane[1,2-]	7/27/09	1700	7000	11/10/09	1200	4700	2/2/10	1300	5200	4/27/10	1400	5600
			Dichloroethene[1,1-]	7/27/09	4000	16,000	11/10/09	3200	13,000	2/2/10	2600	10,000	4/27/10	3000	12,000
			Dichloropropane[1,2-]	7/27/09	4000	19,000	11/10/09	2800	13,000	2/2/10	3600	17,000	4/27/10	3300	15,000
			Methylene Chloride	7/27/09	2900	10,000	11/10/09	1800	6400	2/2/10	1900	6600	4/27/10	1900	6700
			Tetrachloroethene	7/27/09	2800	19,000	11/10/09	2000	13,000	2/2/10	2200	15,000	4/27/10	2200	15,000
			Tetrahydrofuran	7/27/09	480	1400	11/10/09	320	950	2/2/10	360	1100	4/27/10	280	830
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/27/09	12,000	90,000	11/10/09	8100	62,000	2/2/10	7000	53,000	4/27/10	11,000	81,000
			Trichloroethane[1,1,1-]	7/27/09	74,000	410,000	11/10/09	52,000	280,000	2/2/10	58,000	320,000	4/27/10	63,000	340,000
			Trichloroethene	7/27/09	18,000	98,000	11/10/09	12,000	65,000	2/2/10	14,000	78,000	4/27/10	16,000	84,000
			Trichlorofluoromethane	7/27/09	2200	12,000	11/10/09	1500	8400	2/2/10	1400	8100	4/27/10	1700	9800
			Xylene[1,2-]	7/27/09	220	970	11/10/09	140	630	2/2/10	170	730	4/27/10	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	160	160	Benzene	7/27/09	440	1400	11/10/09	300	960	2/2/10	370	1200	4/27/10	300	950
			Carbon Tetrachloride	7/27/09	530	3300	11/10/09	320	2000	2/2/10	390	2500	4/27/10	300	1900
			Chlorobenzene	7/27/09	120	550	11/10/09	84	380	2/2/10	99	460	4/27/10	ND	ND
			Chloroform	7/27/09	3200	15,000	11/10/09	2100	10,000	2/2/10	2600	13,000	4/27/10	2400	12,000
			Dichlorodifluoromethane	7/27/09	290	1400	11/10/09	180	900	2/2/10	220	1100	4/27/10	ND	ND
			Dichloroethane[1,1-]	7/27/09	1200	4900	11/10/09	860	3500	2/2/10	990	4000	4/27/10	900	3600
			Dichloroethane[1,2-]	7/27/09	1600	6300	11/10/09	1000	4200	2/2/10	1200	5100	4/27/10	1100	4500
			Dichloroethene[1,1-]	7/27/09	5800	23,000	11/10/09	4200	17,000	2/2/10	4700	19,000	4/27/10	4000	16,000
			Dichloropropane[1,2-]	7/27/09	3200	15,000	11/10/09	2400	11,000	2/2/10	3000	14,000	4/27/10	2600	12,000
			Hexane	7/27/09	130	460	11/10/09	84	300	2/2/10	88	310	4/27/10	ND	ND
			Methylene Chloride	7/27/09	7300	25,000	11/10/09	4400	15,000	2/2/10	4600	16,000	4/27/10	4400	15,000
			Tetrachloroethene	7/27/09	2500	17,000	11/10/09	1800	12,000	2/2/10	2200	15,000	4/27/10	1900	13,000
			Toluene	7/27/09	720	2700	11/10/09	420	1600	2/2/10	540	2000	4/27/10	380	1400
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/27/09	14,000	110,000	11/10/09	9200	71,000	2/2/10	11,000	84,000	4/27/10	12,000	91,000
			Trichloroethane[1,1,1-]	7/27/09	72,000	390,000	11/10/09	51,000	280,000	2/2/10	58,000	320,000	4/27/10	58,000	320,000
			Trichloroethene	7/27/09	20,000	100,000	11/10/09	13,000	71,000	2/2/10	17,000	91,000	4/27/10	16,000	84,000
			Trichlorofluoromethane	7/27/09	2600	15,000	11/10/09	1700	9800	2/2/10	2000	11,000	4/27/10	2000	11,000
			Xylene[1,2-]	7/27/09	260	1100	11/10/09	160	700	2/2/10	170	750	4/27/10	ND	ND
			Xylene[1,3-]+ Xylene[1,4-]	7/27/09	110	490	11/10/09	ND	ND	2/2/10	69	300	4/27/10	ND	ND
54-02026	20	20	Carbon Tetrachloride	7/29/09	6.4	40	11/12/09	ND	ND	2/5/10	5.5	35	4/29/10	5.2	33
			Chloroform	7/29/09	50	250	11/12/09	40	190	2/5/10	46	220	4/29/10	43	210
			Dichlorodifluoromethane	7/29/09	9.8	48	11/12/09	ND	ND	2/5/10	8.6	42	4/29/10	7.9	39
			Dichloroethane[1,1-]	7/29/09	11	43	11/12/09	9.3	38	2/5/10	11	44	4/29/10	9.4	38
			Dichloroethene[1,1-]	7/29/09	74	290	11/12/09	65	260	2/5/10	68	270	4/29/10	69	270

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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	20	20	Dichloropropane[1,2-]	7/29/09	7.7	36	11/12/09	ND	ND	2/5/10	9.1	42	4/29/10	6.4	30
(cont.)			Tetrachloroethene	7/29/09	34	230	11/12/09	31	210	2/5/10	32	220	4/29/10	29	200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/29/09	260	2000	11/12/09	210	1600	2/5/10	220	1700	4/29/10	240	1900
			Trichloroethane[1,1,1-]	7/29/09	1300	7000	11/12/09	900	4900	2/5/10	1000	5800	4/29/10	1000	5700
			Trichloroethene	7/29/09	290	1600	11/12/09	240	1300	2/5/10	290	1500	4/29/10	280	1500
			Trichlorofluoromethane	7/29/09	53	300	11/12/09	36	200	2/5/10	50	280	4/29/10	46	260
	100	100	Carbon Tetrachloride	7/29/09	19	120	11/12/09	16	99	2/5/10	22	140	4/29/10	14	86
			Chloroform	7/29/09	110	560	11/12/09	90	440	2/5/10	130	640	4/29/10	92	450
			Dichlorodifluoromethane	7/29/09	28	140	11/12/09	20	97	2/5/10	26	130	4/29/10	20	99
			Dichloroethane[1,1-]	7/29/09	25	100	11/12/09	22	89	2/5/10	30	120	4/29/10	20	81
			Dichloroethene[1,1-]	7/29/09	240	940	11/12/09	200	790	2/5/10	220	870	4/29/10	190	750
			Dichloropropane[1,2-]	7/29/09	15	70	11/12/09	14	63	2/5/10	23	110	4/29/10	12	58
			Methylene Chloride	7/29/09	12	40	11/12/09	9.5	33	2/5/10	12	42	4/29/10	8.9	31
			Tetrachloroethene	7/29/09	73	500	11/12/09	68	460	2/5/10	87	590	4/29/10	61	410
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/29/09	700	5400	11/12/09	550	4200	2/5/10	680	5200	4/29/10	590	4500
54-02026	100	100	Trichloroethane[1,1,1-]	7/29/09	2900	16,000	11/12/09	2000	11,000	2/5/10	3200	17,000	4/29/10	2100	12,000
(cont.)			Trichloroethene	7/29/09	700	3800	11/12/09	570	3000	2/5/10	860	4600	4/29/10	620	3300
			Trichlorofluoromethane	7/29/09	140	800	11/12/09	95	540	2/5/10	150	860	4/29/10	100	590
	160	160	Carbon Tetrachloride	7/29/09	25	160	11/12/09	25	160	2/5/10	36	230	4/29/10	24	150
			Chloroform	7/29/09	100	510	11/12/09	100	490	2/5/10	150	720	4/29/10	110	530
			Dichlorodifluoromethane	7/29/09	36	180	11/12/09	32	160	2/5/10	45	220	4/29/10	34	160
			Dichloroethane[1,1-]	7/29/09	23	95	11/12/09	23	95	2/5/10	35	140	4/29/10	24	95
			Dichloroethene[1,1-]	7/29/09	330	1300	11/12/09	310	1200	2/5/10	360	1400	4/29/10	320	1300

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	160	160	Dichloropropane[1,2-]	7/29/09	ND	ND	11/12/09	ND	ND	2/5/10	15	71	4/29/10	8.3	38
			Methylene Chloride	7/29/09	52	180	11/12/09	51	180	2/5/10	76	260	4/29/10	52	180
			Tetrachloroethene	7/29/09	78	520	11/12/09	87	590	2/5/10	110	760	4/29/10	80	540
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/29/09	850	6500	11/12/09	780	6000	2/5/10	1000	7700	4/29/10	880	6800
			Trichloroethane[1,1,1-]	7/29/09	2800	15,000	11/12/09	2500	14,000	2/5/10	4000	22,000	4/29/10	2700	15,000
			Trichloroethene	7/29/09	720	3900	11/12/09	720	3900	2/5/10	1200	6200	4/29/10	800	4300
			Trichlorofluoromethane	7/29/09	160	910	11/12/09	130	750	2/5/10	220	1200	4/29/10	150	850
54-02027	20	20	Carbon Tetrachloride	7/28/09	14	90	11/10/09	8.6	54	2/4/10	13	84	4/27/10	ND	ND
			Chloroform	7/28/09	220	1100	11/10/09	170	840	2/4/10	210	1000	4/27/10	170	830
			Dichlorodifluoromethane	7/28/09	26	130	11/10/09	18	88	2/4/10	23	110	4/27/10	16	77
			Dichloroethane[1,1-]	7/28/09	62	250	11/10/09	48	190	2/4/10	56	230	4/27/10	43	180
			Dichloroethene[1,1-]	7/28/09	300	1200	11/10/09	240	950	2/4/10	300	1200	4/27/10	220	890
			Dichloropropane[1,2-]	7/28/09	90	420	11/10/09	78	360	2/4/10	88	410	4/27/10	64	300
			Tetrachloroethene	7/28/09	160	1000	11/10/09	130	870	2/4/10	140	980	4/27/10	110	730
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/28/09	920	7100	11/10/09	660	5100	2/4/10	870	6700	4/27/10	750	5700
			Trichloroethane[1,1,1-]	7/28/09	4700	26,000	11/10/09	3600	20,000	2/4/10	4400	24,000	4/27/10	3600	20,000
			Trichloroethene	7/28/09	1100	6100	11/10/09	880	4700	2/4/10	1100	6000	4/27/10	920	5000
			Trichlorofluoromethane	7/28/09	170	970	11/10/09	130	730	2/4/10	170	940	4/27/10	140	790
	100	100	Benzene	7/28/09	35	110	11/10/09	29	93	2/4/10	25	79	4/27/10	ND	ND
			Carbon Tetrachloride	7/28/09	69	440	11/10/09	50	310	2/4/10	41	260	4/27/10	ND	ND
			Chloroform	7/28/09	640	3100	11/10/09	500	2400	2/4/10	400	1900	4/27/10	460	2200
			Dichlorodifluoromethane	7/28/09	80	400	11/10/09	58	290	2/4/10	49	240	4/27/10	49	240
			Dichloroethane[1,1-]	7/28/09	170	680	11/10/09	140	550	2/4/10	100	420	4/27/10	110	450

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 ($\mu g/m^3$)
54-02027 (cont.)	100	100	Dichloroethane[1,2-]	7/28/09	60	240	11/10/09	49	200	2/4/10	39	160	4/27/10	43	180
			Dichloroethene[1,1-]	7/28/09	1000	4100	11/10/09	870	3400	2/4/10	670	2600	4/27/10	680	2700
			Dichloropropane[1,2-]	7/28/09	260	1200	11/10/09	220	1000	2/4/10	180	840	4/27/10	190	880
			Methylene Chloride	7/28/09	240	830	11/10/09	170	590	2/4/10	120	430	4/27/10	150	520
			Tetrachloroethene	7/28/09	420	2800	11/10/09	350	2400	2/4/10	270	1800	4/27/10	290	2000
			Toluene	7/28/09	ND	ND	11/10/09	ND	ND	2/4/10	12	45	4/27/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/28/09	3000	23,000	11/10/09	2200	17,000	2/4/10	1800	14,000	4/27/10	2200	17,000
			Trichloroethane[1,1,1-]	7/28/09	13,000	71,000	11/10/09	10,000	58,000	2/4/10	7900	43,000	4/27/10	9600	52,000
			Trichloroethene	7/28/09	3300	18,000	11/10/09	2600	14,000	2/4/10	2200	12,000	4/27/10	2600	14,000
			Trichlorofluoromethane	7/28/09	530	3000	11/10/09	410	2300	2/4/10	320	1800	4/27/10	390	2200
	200	200	Acetone	7/28/09	ND	ND	11/10/09	ND	ND	2/4/10	110	260	4/27/10	ND	ND
			Benzene	7/28/09	110	340	11/10/09	67	210	2/4/10	100	320	4/27/10	53	170
			Butanone[2-]	7/28/09	41	120	11/10/09	ND	ND	2/4/10	ND	ND	4/27/10	ND	ND
			Carbon Tetrachloride	7/28/09	140	910	11/10/09	78	490	2/4/10	110	710	4/27/10	53	340
			Chloroform	7/28/09	670	3300	11/10/09	380	1800	2/4/10	570	2800	4/27/10	320	1600
			Dichlorodifluoromethane	7/28/09	150	760	11/10/09	84	420	2/4/10	120	610	4/27/10	66	320
			Dichloroethane[1,1-]	7/28/09	150	610	11/10/09	88	360	2/4/10	130	520	4/27/10	66	270
			Dichloroethane[1,2-]	7/28/09	35	140	11/10/09	22	89	2/4/10	33	130	4/27/10	ND	ND
			Dichloroethene[1,1-]	7/28/09	2000	7800	11/10/09	1200	4900	2/4/10	1700	6800	4/27/10	960	3800
			Dichloropropane[1,2-]	7/28/09	110	520	11/10/09	70	320	2/4/10	110	500	4/27/10	54	250
			Methylene Chloride	7/28/09	1200	4000	11/10/09	630	2200	2/4/10	830	2900	4/27/10	520	1800
			Tetrachloroethene	7/28/09	460	3100	11/10/09	290	2000	2/4/10	410	2800	4/27/10	210	1400
			Toluene	7/28/09	260	960	11/10/09	150	560	2/4/10	220	840	4/27/10	110	420

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	200	200	Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/28/09	4400	34,000	11/10/09	2400	19,000	2/4/10	3600	28,000	4/27/10	2100	16,000
			Trichloroethane[1,1,1-]	7/28/09	14,000	75,000	11/10/09	8300	45,000	2/4/10	11,000	63,000	4/27/10	6500	36,000
			Trichloroethene	7/28/09	3900	21,000	11/10/09	2400	13,000	2/4/10	3600	19,000	4/27/10	2000	11,000
			Trichlorofluoromethane	7/28/09	710	4000	11/10/09	420	2400	2/4/10	600	3400	4/27/10	360	2000
54-02028	20	20	Carbon Tetrachloride	7/30/09	5.8	37	11/16/09	8.6	54	2/10/10	7.7	49	4/27/10	7.2	45
			Chloroform	7/30/09	50	240	11/16/09	65	320	2/10/10	70	340	4/27/10	62	300
			Cyclohexane	7/30/09	ND	ND	11/16/09	ND	ND	2/10/10	46	160	4/27/10	ND	ND
			Dichlorodifluoromethane	7/30/09	6	30	11/16/09	9.2	46	2/10/10	10	49	4/27/10	7.9	39
			Dichloroethane[1,1-]	7/30/09	17	68	11/16/09	24	99	2/10/10	25	100	4/27/10	21	85
			Dichloroethene[1,1-]	7/30/09	74	290	11/16/09	120	460	2/10/10	120	460	4/27/10	99	390
			Dichloropropane[1,2-]	7/30/09	16	75	11/16/09	22	100	2/10/10	21	97	4/27/10	20	95
			Tetrachloroethene	7/30/09	43	290	11/16/09	56	380	2/10/10	48	330	4/27/10	49	330
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/30/09	260	2000	11/16/09	340	2600	2/10/10	370	2800	4/27/10	350	2700
			Trichloroethane[1,1,1-]	7/30/09	1400	7800	11/16/09	1800	9600	2/10/10	2000	11000	4/27/10	1800	9700
			Trichloroethene	7/30/09	370	2000	11/16/09	470	2500	2/10/10	490	2600	4/27/10	490	2600
			Trichlorofluoromethane	7/30/09	46	260	11/16/09	61	340	2/10/10	70	390	4/27/10	62	340
	100	100	Carbon Tetrachloride	7/30/09	ND	ND	11/16/09	17	100	2/10/10	15	97	4/27/10	12	77
			Chloroform	7/30/09	85	420	11/16/09	110	540	2/10/10	100	510	4/27/10	100	480
			Cyclohexane	7/30/09	ND	ND	11/16/09	ND	ND	2/10/10	60	200	4/27/10	ND	ND
			Dichlorodifluoromethane	7/30/09	13	63	11/16/09	22	110	2/10/10	22	110	4/27/10	18	91
			Dichloroethane[1,1-]	7/30/09	26	100	11/16/09	37	150	2/10/10	34	140	4/27/10	30	120
			Dichloroethene[1,1-]	7/30/09	190	740	11/16/09	250	1000	2/10/10	240	930	4/27/10	210	820
			Dichloropropane[1,2-]	7/30/09	17	80	11/16/09	26	120	2/10/10	25	120	4/27/10	21	99

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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	100	100	Methylene Chloride	7/30/09	20	68	11/16/09	27	94	2/10/10	24	85	4/27/10	24	84
(cont.)			Tetrachloroethene	7/30/09	57	380	11/16/09	80	540	2/10/10	74	500	4/27/10	64	430
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/30/09	530	4100	11/16/09	630	4800	2/10/10	610	4700	4/27/10	620	4700
			Trichloroethane[1,1,1-]	7/30/09	2100	12,000	11/16/09	2800	15,000	2/10/10	2600	14,000	4/27/10	2600	14,000
			Trichloroethene	7/30/09	630	3400	11/16/09	810	4300	2/10/10	800	4300	4/27/10	780	4200
			Trichlorofluoromethane	7/30/09	87	490	11/16/09	120	680	2/10/10	110	630	4/27/10	110	640
	160	160	Carbon Tetrachloride	7/30/09	19	120	11/16/09	22	140	2/10/10	26	160	4/27/10	22	140
			Chloroform	7/30/09	89	440	11/16/09	96	470	2/10/10	110	540	4/27/10	110	530
			Cyclohexane	7/30/09	ND	ND	11/16/09	ND	ND	2/10/10	71	240	4/27/10	ND	ND
			Dichlorodifluoromethane	7/30/09	23	120	11/16/09	32	160	2/10/10	37	180	4/27/10	33	160
			Dichloroethane[1,1-]	7/30/09	27	110	11/16/09	29	120	2/10/10	34	140	4/27/10	29	120
			Dichloroethene[1,1-]	7/30/09	300	1200	11/16/09	320	1200	2/10/10	360	1400	4/27/10	320	1300
			Dichloropropane[1,2-]	7/30/09	ND	ND	11/16/09	11	51	2/10/10	13	60	4/27/10	11	52
			Methylene Chloride	7/30/09	58	200	11/16/09	66	230	2/10/10	70	240	4/27/10	69	240
			Tetrachloroethene	7/30/09	65	440	11/16/09	74	500	2/10/10	83	560	4/27/10	74	500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/30/09	790	6100	11/16/09	760	5800	2/10/10	880	6700	4/27/10	880	6800
			Trichloroethane[1,1,1-]	7/30/09	2500	14,000	11/16/09	2600	14,000	2/10/10	2900	16,000	4/27/10	2900	16,000
			Trichloroethene	7/30/09	780	4200	11/16/09	820	4400	2/10/10	980	5300	4/27/10	950	5100
			Trichlorofluoromethane	7/30/09	130	710	11/16/09	140	760	2/10/10	150	860	4/27/10	160	890
54-02031	20	20	Carbon Tetrachloride	8/17/09	ND	ND	10/29/09	26	160	1/27/10	24	150	4/2/10	39	240
			Chloroform	8/17/09	110	560	10/29/09	88	430	1/27/10	90	440	4/2/10	150	750
			Dichlorodifluoromethane	8/17/09	51	250	10/29/09	40	200	1/27/10	39	190	4/2/10	71	350
			Dichloroethane[1,1-]	8/17/09	250	1000	10/29/09	190	750	1/27/10	190	760	4/2/10	310	1300

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	20	20	Dichloroethane[1,2-]	8/17/09	46	180	10/29/09	37	150	1/27/10	43	170	4/2/10	72	290
			Dichloroethene[1,1-]	8/17/09	580	2300	10/29/09	490	2000	1/27/10	490	1900	4/2/10	810	3200
			Dichloropropane[1,2-]	8/17/09	ND	ND	10/29/09	16	76	1/27/10	18	81	4/2/10	28	130
			Tetrachloroethene	8/17/09	450	3000	10/29/09	350	2400	1/27/10	320	2200	4/2/10	580	4000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/17/09	590	4500	10/29/09	420	3200	1/27/10	380	2900	4/2/10	740	5700
			Trichloroethane[1,1,1-]	8/17/09	10,000	55,000	10/29/09	7500	41,000	1/27/10	7000	38,000	4/2/10	13,000	72,000
			Trichloroethene	8/17/09	2400	13,000	10/29/09	1800	9700	1/27/10	1800	9600	4/2/10	3100	17,000
			Trichlorofluoromethane	8/17/09	92	520	10/29/09	73	410	1/27/10	68	380	4/2/10	140	770
	100	100	Carbon Tetrachloride	8/17/09	ND	ND	10/29/09	110	710	1/27/10	110	710	4/2/10	120	740
			Chloroform	8/17/09	250	1200	10/29/09	290	1400	1/27/10	300	1500	4/2/10	340	1700
			Dichlorodifluoromethane	8/17/09	130	630	10/29/09	150	750	1/27/10	160	790	4/2/10	170	850
			Dichloroethane[1,1-]	8/17/09	560	2200	10/29/09	680	2700	1/27/10	720	2900	4/2/10	750	3000
			Dichloroethane[1,2-]	8/17/09	290	1200	10/29/09	320	1300	1/27/10	350	1400	4/2/10	400	1600
			Dichloroethene[1,1-]	8/17/09	1400	5800	10/29/09	1800	7200	1/27/10	2000	7900	4/2/10	2000	7700
			Dichloropropane[1,2-]	8/17/09	ND	ND	10/29/09	72	340	1/27/10	81	380	4/2/10	85	390
			Methylene Chloride	8/17/09	200	710	10/29/09	280	960	1/27/10	240	850	4/2/10	290	1000
			Tetrachloroethene	8/17/09	1000	6900	10/29/09	1200	7800	1/27/10	1100	7800	4/2/10	1400	9700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/17/09	1800	14,000	10/29/09	1800	14,000	1/27/10	1900	14,000	4/2/10	2100	16,000
			Trichloroethane[1,1,1-]	8/17/09	24,000	130,000	10/29/09	28,000	150,000	1/27/10	28,000	150,000	4/2/10	33,000	180,000
			Trichloroethene	8/17/09	6100	33,000	10/29/09	6900	37,000	1/27/10	7200	39,000	4/2/10	8000	43,000
			Trichlorofluoromethane	8/17/09	250	1400	10/29/09	300	1700	1/27/10	300	1700	4/2/10	350	2000
	160	160	Carbon Tetrachloride	8/17/09	85	540	10/29/09	140	860	1/27/10	120	770	4/2/10	140	870
			Chloroform	8/17/09	240	1100	10/29/09	290	1400	1/27/10	260	1300	4/2/10	340	1600

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02031 (cont.)	160	160	Dichlorodifluoromethane	8/17/09	140	700	10/29/09	200	990	1/27/10	170	860	4/2/10	240	1200
			Dichloroethane[1,1-]	8/17/09	500	2000	10/29/09	610	2500	1/27/10	580	2300	4/2/10	690	2800
			Dichloroethane[1,2-]	8/17/09	210	840	10/29/09	220	880	1/27/10	230	920	4/2/10	280	1100
			Dichloroethene[1,1-]	8/17/09	1700	6900	10/29/09	2300	9100	1/27/10	2000	8100	4/2/10	2400	9500
			Dichloropropane[1,2-]	8/17/09	ND	ND	10/29/09	52	240	1/27/10	56	260	4/2/10	61	280
			Methylene Chloride	8/17/09	350	1200	10/29/09	450	1600	1/27/10	350	1200	4/2/10	490	1700
			Tetrachloroethene	8/17/09	1100	7200	10/29/09	1200	8000	1/27/10	1000	7100	4/2/10	1500	10,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/17/09	2200	17,000	10/29/09	2500	19,000	1/27/10	2100	16,000	4/2/10	2800	21,000
			Trichloroethane[1,1,1-]	8/17/09	24,000	130,000	10/29/09	28,000	160,000	1/27/10	26,000	140,000	4/2/10	35,000	190,000
			Trichloroethene	8/17/09	6500	35,000	10/29/09	7500	40,000	1/27/10	6900	37,000	4/2/10	8700	47,000
			Trichlorofluoromethane	8/17/09	300	1700	10/29/09	390	2200	1/27/10	330	1900	4/2/10	460	2600
	260	260	Benzene	8/17/09	ND	ND	10/29/09	18	59	1/27/10	20	65	4/2/10	ND	ND
			Carbon Tetrachloride	8/17/09	69	430	10/29/09	97	610	1/27/10	110	710	4/2/10	100	650
			Chloroform	8/17/09	120	580	10/29/09	140	690	1/27/10	170	830	4/2/10	160	790
			Dichlorodifluoromethane	8/17/09	110	540	10/29/09	170	840	1/27/10	200	970	4/2/10	180	890
			Dichloroethane[1,1-]	8/17/09	210	870	10/29/09	270	1100	1/27/10	330	1300	4/2/10	290	1200
			Dichloroethane[1,2-]	8/17/09	ND	ND	10/29/09	47	190	1/27/10	66	270	4/2/10	56	220
			Dichloroethene[1,1-]	8/17/09	1500	5800	10/29/09	1800	7300	1/27/10	2100	8400	4/2/10	1900	7600
			Dichloropropane[1,2-]	8/17/09	ND	ND	10/29/09	ND	ND	1/27/10	19	90	4/2/10	ND	ND
			Methylene Chloride	8/17/09	190	660	10/29/09	230	810	1/27/10	250	870	4/2/10	240	850
			Tetrachloroethene	8/17/09	620	4200	10/29/09	720	4800	1/27/10	820	5600	4/2/10	830	5600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/17/09	1900	15,000	10/29/09	2000	15,000	1/27/10	2200	17,000	4/2/10	2200	17,000
			Trichloroethane[1,1,1-]	8/17/09	13,000	72,000	10/29/09	15,000	84,000	1/27/10	17,000	95,000	4/2/10	18,000	96,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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	Trichloroethene	8/17/09	3800	21,000	10/29/09	4400	24,000	1/27/10	5200	28,000	4/2/10	5000	27,000
(cont.)			Trichlorofluoromethane	8/17/09	250	1400	10/29/09	310	1800	1/27/10	350	2000	4/2/10	360	2000
54-02034	20	20	Carbon Tetrachloride	7/22/09	ND	ND	10/27/09	ND	ND	1/29/10	ND	ND	4/2/10	15	94
			Chloroform	7/22/09	25	120	10/27/09	24	120	1/29/10	26	120	4/2/10	13	62
			Dichlorodifluoromethane	7/22/09	34	170	10/27/09	29	140	1/29/10	ND	ND	4/2/10	85	420
			Dichloroethane[1,1-]	7/22/09	84	340	10/27/09	88	360	1/29/10	88	360	4/2/10	70	280
			Dichloroethene[1,1-]	7/22/09	190	750	10/27/09	220	870	1/29/10	220	880	4/2/10	580	2300
			Methylene Chloride	7/22/09	ND	ND	10/27/09	ND	ND	1/29/10	ND	ND	4/2/10	35	120
			Tetrachloroethene	7/22/09	49 (J)	330 (J)	10/27/09	86	580	1/29/10	85	580	4/2/10	66	450
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/22/09	73	560	10/27/09	72	550	1/29/10	73	560	4/2/10	200	1500
			Trichloroethane[1,1,1-]	7/22/09	6000	33,000	10/27/09	6000	32,000	1/29/10	6100	33,000	4/2/10	5500	30,000
			Trichloroethene	7/22/09	870	4700	10/27/09	910	4900	1/29/10	940	5000	4/2/10	990	5300
			Trichlorofluoromethane	7/22/09	27	150	10/27/09	27	150	1/29/10	29	160	4/2/10	96	540
	60	60	Chloroform	7/22/09	38	190	10/27/09	31	150	1/29/10	33	160	4/2/10	38	190
			Dichlorodifluoromethane	7/22/09	60	300	10/27/09	42	210	1/29/10	44	220	4/2/10	48	240
			Dichloroethane[1,1-]	7/22/09	180	750	10/27/09	150	610	1/29/10	140	570	4/2/10	170	680
			Dichloroethane[1,2-]	7/22/09	57	230	10/27/09	49	200	1/29/10	47	190	4/2/10	57	230
			Dichloroethene[1,1-]	7/22/09	370	1400	10/27/09	340	1300	1/29/10	320	1300	4/2/10	330	1300
			Dichloropropane[1,2-]	7/22/09	12	56	10/27/09	10	48	1/29/10	9.9	46	4/2/10	11	51
			Methylene Chloride	7/22/09	26	90	10/27/09	21	74	1/29/10	18	61	4/2/10	21	74
			Tetrachloroethene	7/22/09	75 (J)	510 (J)	10/27/09	110	750	1/29/10	100	680	4/2/10	130	870
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/22/09	120	950	10/27/09	100	790	1/29/10	95	730	4/2/10	120	880
			Trichloroethane[1,1,1-]	7/22/09	10,000	55,000	10/27/09	8200	44,000	1/29/10	8000	43,000	4/2/10	9600	52,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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)
54-02034 (cont.)	60	60	Trichloroethene	7/22/09	1600	8800	10/27/09	1400	7700	1/29/10	1400	7400	4/2/10	1600	8600
			Trichlorofluoromethane	7/22/09	50	280	10/27/09	39	220	1/29/10	38	210	4/2/10	47	260
	160	160	Carbon Tetrachloride	7/22/09	18	110	10/27/09	13	84	1/29/10	8.5	53	4/2/10	14	85
			Chloroform	7/22/09	23	110	10/27/09	20	96	1/29/10	14	69	4/2/10	26	130
			Dichlorodifluoromethane	7/22/09	91	450	10/27/09	67	330	1/29/10	49	240	4/2/10	87	430
			Dichloroethane[1,1-]	7/22/09	120	490	10/27/09	100	410	1/29/10	71	290	4/2/10	130	530
			Dichloroethane[1,2-]	7/22/09	13	53	10/27/09	ND	ND	1/29/10	8.5	34	4/2/10	16	64
			Dichloroethene[1,1-]	7/22/09	560	2200	10/27/09	480	1900	1/29/10	350	1400	4/2/10	610	2400
			Methylene Chloride	7/22/09	54	190	10/27/09	44	150	1/29/10	30	100	4/2/10	56	200
			Tetrachloroethene	7/22/09	51 (J)	350 (J)	10/27/09	76	520	1/29/10	52	350	4/2/10	99	670
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/22/09	190	1400	10/27/09	150	1200	1/29/10	110	820	4/2/10	200	1500
			Trichloroethane[1,1,1-]	7/22/09	7600	41,000	10/27/09	6300	34,000	1/29/10	4600	25,000	4/2/10	8600	47,000
			Trichloroethene	7/22/09	1300	7200	10/27/09	1200	6400	1/29/10	880	4700	4/2/10	1600	8600
			Trichlorofluoromethane	7/22/09	84	470	10/27/09	67	380	1/29/10	50	280	4/2/10	95	530
	260	260	Carbon Tetrachloride	7/22/09	ND	ND	10/27/09	4	25	1/29/10	ND	ND	4/2/10	6.8	43
			Dichlorodifluoromethane	7/22/09	45	220	10/27/09	27	130	1/29/10	ND	ND	4/2/10	51	250
			Dichloroethane[1,1-]	7/22/09	ND	ND	10/27/09	3.6	15	1/29/10	ND	ND	4/2/10	5.6	23
			Dichloroethene[1,1-]	7/22/09	170	670	10/27/09	91 (J)	360 (J)	1/29/10	ND	ND	4/2/10	230	910
			Tetrachloroethene	7/22/09	ND	ND	10/27/09	7	48	1/29/10	ND	ND	4/2/10	11	76
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/22/09	78	600	10/27/09	43 (J)	330 (J)	1/29/10	ND	ND	4/2/10	100	780
			Trichloroethane[1,1,1-]	7/22/09	830	4500	10/27/09	600	3300	1/29/10	2.3	12	4/2/10	970	5300
			Trichloroethene	7/22/09	57	310	10/27/09	49	260	1/29/10	ND	ND	4/2/10	86	460
			Trichlorofluoromethane	7/22/09	59	330	10/27/09	42	230	1/29/10	ND	ND	4/2/10	68	380

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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)
54-02034	300	300	Acetone	7/22/09	ND	ND	10/27/09	ND	ND	1/29/10	ND	ND	4/2/10	4.4	10
(cont.)			Carbon Tetrachloride	7/22/09	ND	ND	10/27/09	1	6.3	1/29/10	0.98	6.1	4/2/10	1.1	6.7
			Cyclohexane	7/22/09	ND	ND	10/27/09	ND	ND	1/29/10	3.7	13	4/2/10	ND	ND
			Dichlorodifluoromethane	7/22/09	10	51	10/27/09	7.7	38	1/29/10	7.6	38	4/2/10	9.7	48
			Dichloroethene[1,1-]	7/22/09	28	110	10/27/09	19 (J)	75 (J)	1/29/10	22	90	4/2/10	30	120
			Tetrachloroethene	7/22/09	ND	ND	10/27/09	1	7.1	1/29/10	1.2	8.3	4/2/10	1.2	8
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/22/09	17	130	10/27/09	12 (J)	91 (J)	1/29/10	14	110	4/2/10	18	140
			Trichloroethane[1,1,1-]	7/22/09	75	410	10/27/09	70	380	1/29/10	66	360	4/2/10	74	400
			Trichloroethene	7/22/09	ND	ND	10/27/09	2.8	15	1/29/10	3.7	20	4/2/10	ND	ND
			Trichlorofluoromethane	7/22/09	16	93	10/27/09	14	81	1/29/10	16	88	4/2/10	15	87
54-02089	31	31	Carbon Tetrachloride	7/21/09	860	5400	11/3/09	1400	8700	1/26/10	2100	13,000	4/20/10	1400	9100
			Chloroform	7/21/09	4000	20,000	11/3/09	5900	29,000	1/26/10	9200	45,000	4/20/10	7900	39,000
			Dichlorodifluoromethane	7/21/09	450	2200	11/3/09	560	2800	1/26/10	920	4500	4/20/10	9200	45,000
			Dichloroethane[1,1-]	7/21/09	9400	38,000	11/3/09	13,000	53,000	1/26/10	20,000	81,000	4/20/10	17,000	69,000
			Dichloroethane[1,2-]	7/21/09	57,000	230,000	11/3/09	100,000	410,000	1/26/10	170,000	680,000	4/20/10	150,000	600,000
			Dichloroethene[1,1-]	7/21/09	5600	22,000	11/3/09	12,000	49,000	1/26/10	19,000	76,000	4/20/10	9000	36,000
			Dichloropropane[1,2-]	7/21/09	23,000	100,000	11/3/09	33,000	150,000	1/26/10	52,000	240,000	4/20/10	40,000	180,000
			Hexane	7/21/09	290	1000	11/3/09	450	1600	1/26/10	ND	ND	4/20/10	ND	ND
			Tetrachloroethene	7/21/09	3100 (J)	21,000 (J)	11/3/09	7400	50,000	1/26/10	13,000	89,000	4/20/10	7500	51,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/21/09	54,000	410,000	11/3/09	83,000	640,000	1/26/10	130,000	980,000	4/20/10	98,000	750,000
			Trichloroethane[1,1,1-]	7/21/09	190,000	1,000,000	11/3/09	330,000	1,800,000	1/26/10	490,000	2,700,000	4/20/10	460,000	2,500,000
			Trichloroethene	7/21/09	73,000	390,000	11/3/09	120,000	620,000	1/26/10	180,000	1,000,000	4/20/10	150,000	790,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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)
54-02089	31	31	Trichlorofluoromethane	7/21/09	1700	9800	11/3/09	2700	15,000	1/26/10	4000	22,000	4/20/10	2900	16,000
(cont.)	46	46	Carbon Tetrachloride	7/21/09	2300	14,000	11/3/09	1600	10,000	1/26/10	3000	19,000	4/20/10	1300	8500
			Chloroform	7/21/09	8700	42,000	11/3/09	6500	32,000	1/26/10	13,000	62,000	4/20/10	7100	35,000
			Dichlorodifluoromethane	7/21/09	980	4800	11/3/09	ND	ND	1/26/10	1300	6300	4/20/10	5900	29,000
			Dichloroethane[1,1-]	7/21/09	17,000	69,000	11/3/09	12,000	50,000	1/26/10	23,000	94,000	4/20/10	14,000	55,000
			Dichloroethane[1,2-]	7/21/09	51,000	200,000	11/3/09	46,000	190,000	1/26/10	100,000	420,000	4/20/10	60,000	240,000
			Dichloroethene[1,1-]	7/21/09	10,000	41,000	11/3/09	13,000	53,000	1/26/10	24,000	97,000	4/20/10	7700	31,000
			Dichloropropane[1,2-]	7/21/09	59,000	270,000	11/3/09	41,000	190,000	1/26/10	87,000	400,000	4/20/10	43,000	200,000
			Hexane	7/21/09	600	2100	11/3/09	ND	ND	1/26/10	980	3400	4/20/10	ND	ND
			Tetrachloroethene	7/21/09	5800 (J)	39,000 (J)	11/3/09	7700	52,000	1/26/10	16,000	110,000	4/20/10	6300	43,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/21/09	110,000	870,000	11/3/09	92,000	700,000	1/26/10	170,000	1,300,000	4/20/10	100,000	770,000
			Trichloroethane[1,1,1-]	7/21/09	440,000	2,400,000	11/3/09	380,000	2,100,000	1/26/10	720,000	3,900,000	4/20/10	440,000	2,400,000
			Trichloroethene	7/21/09	140,000	780,000	11/3/09	110,000	610,000	1/26/10	220,000	1,200,000	4/20/10	110,000	600,000
			Trichlorofluoromethane	7/21/09	3100	17,000	11/3/09	2600	15,000	1/26/10	4500	25,000	4/20/10	2600	14,000
54-24238	64	63–65	Benzene	7/21/09	700	2200	11/3/09	ND	ND	1/26/10	ND	ND	5/4/10	ND	ND
			Carbon Tetrachloride	7/21/09	1500	9600	11/3/09	1200	7900	1/26/10	1600	10,000	5/4/10	ND	ND
			Chloroform	7/21/09	9500	47,000	11/3/09	8800	43,000	1/26/10	10,000	49,000	5/4/10	9200	45,000
			Dichlorodifluoromethane	7/21/09	1200	5900	11/3/09	880	4400	1/26/10	1000	4900	5/4/10	3600	18,000
			Dichloroethane[1,1-]	7/21/09	13,000	54,000	11/3/09	11,000	46,000	1/26/10	12,000	50,000	5/4/10	12,000	47,000
			Dichloroethane[1,2-]	7/21/09	62,000	250,000	11/3/09	88,000	360,000	1/26/10	47,000	190,000	5/4/10	84,000	340,000
			Dichloroethene[1,1-]	7/21/09	14,000	56,000	11/3/09	17,000	68,000	1/26/10	22,000	85,000	5/4/10	13,000	51,000
			Dichloropropane[1,2-]	7/21/09	72,000	330,000	11/3/09	63,000	290,000	1/26/10	72,000	330,000	5/4/10	62,000	280,000
			Hexane	7/21/09	600	2100	11/3/09	ND	ND	1/26/10	ND	ND	5/4/10	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	64	63–65	Methylene Chloride	7/21/09	98,000	340,000	11/3/09	73,000	250,000	1/26/10	38,000	130,000	5/4/10	52,000	180,000
			Tetrachloroethene	7/21/09	6600 (J)	45,000 (J)	11/3/09	11,000	78,000	1/26/10	15,000	100,000	5/4/10	9300	63,000
			Tetrahydrofuran	7/21/09	790	2300	11/3/09	710	2100	1/26/10	1100	3300	5/4/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/21/09	130,000	1,000,000	11/3/09	120,000	900,000	1/26/10	130,000	970,000	5/4/10	130,000	1,000,000
			Trichloroethane[1,1,1-]	7/21/09	390,000	2,100,000	11/3/09	370,000	2,000,000	1/26/10	430,000	2,400,000	5/4/10	410,000	2,200,000
			Trichloroethene	7/21/09	120,000	660,000	11/3/09	120,000	630,000	1/26/10	130,000	720,000	5/4/10	110,000	610,000
			Trichlorofluoromethane	7/21/09	3200	18,000	11/3/09	2800	16,000	1/26/10	3400	19,000	5/4/10	3000	17,000
54-24239	25	24–26	Benzene	7/17/09	ND	ND	11/2/09	ND	ND	1/25/10	100	330	4/19/10	ND	ND
			Carbon Tetrachloride	7/17/09	630	4000	11/2/09	470	3000	1/25/10	650	4100	4/19/10	670	4200
			Chloroform	7/17/09	2600	13,000	11/2/09	2200	10,000	1/25/10	2700	13,000	4/19/10	2800	14,000
			Dichlorodifluoromethane	7/17/09	250	1200	11/2/09	180	900	1/25/10	230	1100	4/19/10	220	1100
			Dichloroethane[1,1-]	7/17/09	3200	13,000	11/2/09	2700	11,000	1/25/10	3400	14,000	4/19/10	3500	14,000
			Dichloroethane[1,2-]	7/17/09	1200	4900	11/2/09	1000	4000	1/25/10	1200	4900	4/19/10	1400	5500
			Dichloroethene[1,1-]	7/17/09	5000	20,000	11/2/09	4800	19,000	1/25/10	5700	23,000	4/19/10	5000	20,000
			Dichloropropane[1,2-]	7/17/09	1400	6500	11/2/09	1200	5600	1/25/10	1600	7300	4/19/10	1600	7400
			Tetrachloroethene	7/17/09	20000 (J)	140000 (J)	11/2/09	34,000	230,000	1/25/10	38,000	260,000	4/19/10	44,000	300,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/17/09	6700	51,000	11/2/09	5600	43,000	1/25/10	7200	55,000	4/19/10	7900	61,000
			Trichloroethane[1,1,1-]	7/17/09	92,000	500,000	11/2/09	75,000	410,000	1/25/10	90,000	490,000	4/19/10	100,000	540,000
			Trichloroethene	7/17/09	28,000	150,000	11/2/09	25,000	130,000	1/25/10	30,000	160,000	4/19/10	32,000	170,000
			Trichlorofluoromethane	7/17/09	690	3900	11/2/09	570	3200	1/25/10	690	3900	4/19/10	780	4400
	75	74–76	Benzene	7/17/09	200	640	11/2/09	ND	ND	1/25/10	220	710	4/19/10	220	710
			Carbon Tetrachloride	7/17/09	840	5300	11/2/09	550	3500	1/25/10	800	5000	4/19/10	720	4500

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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)
54-24239 (cont.)	75	74–76	Chloroform	7/17/09	3600	18,000	11/2/09	2700	13,000	1/25/10	3400	17,000	4/19/10	3300	16,000
			Dichlorodifluoromethane	7/17/09	380	1900	11/2/09	240	1200	1/25/10	330	1600	4/19/10	300	1500
			Dichloroethane[1,1-]	7/17/09	4300	18,000	11/2/09	3400	14,000	1/25/10	4200	17,000	4/19/10	3800	16,000
			Dichloroethane[1,2-]	7/17/09	2400	9700	11/2/09	1900	7600	1/25/10	2400	9600	4/19/10	2300	9400
			Dichloroethene[1,1-]	7/17/09	7500	30,000	11/2/09	5900	24,000	1/25/10	8300	33,000	4/19/10	6600	26,000
			Dichloropropane[1,2-]	7/17/09	1900	8700	11/2/09	1600	7200	1/25/10	2000	9500	4/19/10	1800	8600
			Tetrachloroethene	7/17/09	23000 (J)	160000 (J)	11/2/09	40,000	280,000	1/25/10	43,000	290,000	4/19/10	46,000	310,000
			Toluene	7/17/09	ND	ND	11/2/09	ND	ND	1/25/10	ND	ND	4/19/10	160	620
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/17/09	10,000	80,000	11/2/09	7600	59,000	1/25/10	9800	75,000	4/19/10	10,000	77,000
			Trichloroethane[1,1,1-]	7/17/09	130,000	740,000	11/2/09	100,000	560,000	1/25/10	120,000	670,000	4/19/10	120,000	680,000
			Trichloroethene	7/17/09	38,000	210,000	11/2/09	32,000	170,000	1/25/10	40,000	220,000	4/19/10	40,000	210,000
			Trichlorofluoromethane	7/17/09	1100	6300	11/2/09	790	4400	1/25/10	1000	5800	4/19/10	1100	6000
54-24240	28	27–29	Benzene	7/17/09	ND	ND	11/2/09	ND	ND	1/25/10	360	1200	4/19/10	ND	ND
			Carbon Tetrachloride	7/17/09	930	5800	11/2/09	640	4000	1/25/10	890	5600	4/19/10	490	3100
			Chloroform	7/17/09	2700	13,000	11/2/09	2300	11,000	1/25/10	3600	18,000	4/19/10	2000	9900
			Dichlorodifluoromethane	7/17/09	1100	5600	11/2/09	610	3000	1/25/10	1900	9500	4/19/10	790	3900
			Dichloroethane[1,1-]	7/17/09	15,000	61,000	11/2/09	11,000	46,000	1/25/10	14,000	57,000	4/19/10	7500	30,000
			Dichloroethane[1,2-]	7/17/09	100,000	410,000	11/2/09	100,000	410,000	1/25/10	150,000	610,000	4/19/10	79,000	320,000
			Dichloroethene[1,1-]	7/17/09	4000	16,000	11/2/09	5000	20,000	1/25/10	6200	24,000	4/19/10	2100	8400
			Dichloropropane[1,2-]	7/17/09	430	2000	11/2/09	440	2000	1/25/10	640	3000	4/19/10	310	1400
			Methylene Chloride	7/17/09	970	3400	11/2/09	500	1700	1/25/10	890	3100	4/19/10	280	960
			Tetrachloroethene	7/17/09	25000 (J)	170000 (J)	11/2/09	39,000	260,000	1/25/10	55,000	370,000	4/19/10	28,000	190,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/17/09	15,000	110,000	11/2/09	9200	70,000	1/25/10	13,000	99,000	4/19/10	11,000	83,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	28	27–29	Trichloroethane[1,1,1-]	7/17/09	320,000	1,800,000	11/2/09	220,000	1,200,000	1/25/10	270,000	1,500,000	4/19/10	160,000	880,000
			Trichloroethene	7/17/09	150,000	800,000	11/2/09	150,000	790,000	1/25/10	210,000	1,100,000	4/19/10	120,000	640,000
			Trichlorofluoromethane	7/17/09	2800	16,000	11/2/09	1600	9300	1/25/10	2300	13,000	4/19/10	1400	8100
	53	52–54	Benzene	7/17/09	690	2200	11/2/09	670	2100	1/25/10	850	2700	4/19/10	730	2300
			Carbon Tetrachloride	7/17/09	1500	9200	11/2/09	1200	7800	1/25/10	1500	9700	4/19/10	1300	8100
			Chlorobenzene	7/17/09	ND	ND	11/2/09	ND	ND	1/25/10	ND	ND	4/19/10	410	1900
			Chloroform	7/17/09	6900	34,000	11/2/09	6200	30,000	1/25/10	7900	38,000	4/19/10	7300	36,000
			Dichlorodifluoromethane	7/17/09	2800	14,000	11/2/09	1800	9000	1/25/10	4300	21,000	4/19/10	2700	13,000
			Dichloroethane[1,1-]	7/17/09	18,000	71,000	11/2/09	15,000	61,000	1/25/10	19,000	77,000	4/19/10	15,000	60,000
			Dichloroethane[1,2-]	7/17/09	150,000	590,000	11/2/09	160,000	640,000	1/25/10	180,000	740,000	4/19/10	160,000	640,000
			Dichloroethene[1,1-]	7/17/09	5500	22,000	11/2/09	8700	35,000	1/25/10	10,000	40,000	4/19/10	4900	20,000
			Dichloropropane[1,2-]	7/17/09	720	3300	11/2/09	760	3500	1/25/10	970	4500	4/19/10	750	3500
			Hexane	7/17/09	710	2500	11/2/09	590	2100	1/25/10	820	2900	4/19/10	650	2300
			Methylene Chloride	7/17/09	14,000	50,000	11/2/09	9200	32,000	1/25/10	7400	26,000	4/19/10	4600	16,000
			Tetrachloroethene	7/17/09	22000 (J)	150000 (J)	11/2/09	46,000	310,000	1/25/10	53,000	360,000	4/19/10	46,000	310,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/17/09	17,000	130,000	11/2/09	14,000	110,000	1/25/10	20,000	160,000	4/19/10	23,000	170,000
			Trichloroethane[1,1,1-]	7/17/09	390,000	2,100,000	11/2/09	340,000	1,900,000	1/25/10	420,000	2,300,000	4/19/10	370,000	2,000,000
			Trichloroethene	7/17/09	160,000	840,000	11/2/09	180,000	950,000	1/25/10	220,000	1,200,000	4/19/10	200,000	1,100,000
			Trichlorofluoromethane	7/17/09	4700	27,000	11/2/09	3500	20,000	1/25/10	4400	25,000	4/19/10	4300	24,000
	128	127–129	Benzene	7/17/09	ND	ND	11/2/09	ND	ND	1/25/10	220	710	4/19/10	ND	ND
			Carbon Tetrachloride	7/17/09	540	3400	11/2/09	550	3500	1/25/10	590	3700	4/19/10	470	3000
			Chloroform	7/17/09	1800	8700	11/2/09	2000	10,000	1/25/10	1900	9400	4/19/10	2100	10,000
			Dichlorodifluoromethane	7/17/09	1100	5400	11/2/09	850	4200	1/25/10	1000	5100	4/19/10	980	4800

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	128	127–129	Dichloroethane[1,1-]	7/17/09	6500	26,000	11/2/09	6500	26,000	1/25/10	6700	27,000	4/19/10	6800	27,000
			Dichloroethane[1,2-]	7/17/09	12,000	50,000	11/2/09	15,000	60,000	1/25/10	13,000	52,000	4/19/10	14,000	57,000
			Dichloroethene[1,1-]	7/17/09	5200	21,000	11/2/09	6700	27,000	1/25/10	7000	28,000	4/19/10	6100	24,000
			Dichloropropane[1,2-]	7/17/09	740	3400	11/2/09	670	3100	1/25/10	720	3300	4/19/10	850	3900
			Hexane	7/17/09	ND	ND	11/2/09	ND	ND	1/25/10	220	770	4/19/10	ND	ND
			Methylene Chloride	7/17/09	3300	11,000	11/2/09	3100	11,000	1/25/10	2200	7500	4/19/10	1600	5400
			Tetrachloroethene	7/17/09	8100 (J)	55,000 (J)	11/2/09	17,000	110,000	1/25/10	14,000	97,000	4/19/10	19,000	130,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/17/09	5400	41,000	11/2/09	6200	48,000	1/25/10	6500	50,000	4/19/10	6600	51,000
			Trichloroethane[1,1,1-]	7/17/09	180,000	980,000	11/2/09	170,000	950,000	1/25/10	180,000	970,000	4/19/10	200,000	1,100,000
			Trichloroethene	7/17/09	41,000	220,000	11/2/09	49,000	260,000	1/25/10	49,000	260,000	4/19/10	55,000	300,000
			Trichlorofluoromethane	7/17/09	1100	6400	11/2/09	1200	6700	1/25/10	1200	6900	4/19/10	1300	7200
	153	152–154	Benzene	7/17/09	ND	ND	11/2/09	ND	ND	1/25/10	190	600	4/19/10	ND	ND
			Carbon Tetrachloride	7/17/09	420	2600	11/2/09	550	3400	1/25/10	490	3100	4/19/10	390	2400
			Chloroform	7/17/09	1400	6800	11/2/09	1900	9300	1/25/10	1500	7200	4/19/10	1700	8400
			Dichlorodifluoromethane	7/17/09	1000	4900	11/2/09	850	4200	1/25/10	890	4400	4/19/10	860	4200
			Dichloroethane[1,1-]	7/17/09	5700	23,000	11/2/09	6400	26,000	1/25/10	5700	23,000	4/19/10	5800	24,000
			Dichloroethane[1,2-]	7/17/09	8700	35,000	11/2/09	12,000	49,000	1/25/10	7800	32,000	4/19/10	9600	39,000
			Dichloroethene[1,1-]	7/17/09	5500	22,000	11/2/09	7000	28,000	1/25/10	6800	27,000	4/19/10	6500	26,000
			Dichloropropane[1,2-]	7/17/09	600	2700	11/2/09	700	3200	1/25/10	630	2900	4/19/10	730	3400
			Methylene Chloride	7/17/09	1300	4400	11/2/09	1900	6500	1/25/10	920	3200	4/19/10	530	1800
			Tetrachloroethene	7/17/09	6200 (J)	42,000 (J)	11/2/09	17,000	110,000	1/25/10	11,000	75,000	4/19/10	15,000	99,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/17/09	4800	37,000	11/2/09	6200	47,000	1/25/10	5500	42,000	4/19/10	5800	44,000
			Trichloroethane[1,1,1-]	7/17/09	160,000	890,000	11/2/09	180,000	980,000	1/25/10	160,000	860,000	4/19/10	190,000	1,000,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	153	152–154	Trichloroethene	7/17/09	38,000	200,000	11/2/09	49,000	260,000	1/25/10	41,000	220,000	4/19/10	49,000	260,000
			Trichlorofluoromethane	7/17/09	1000	5800	11/2/09	1200	6600	1/25/10	1000	5900	4/19/10	1100	6300
	73	71–74	Benzene	7/20/09	560	1800	11/2/09	460	1500	2/11/10	460	1500	4/20/10	ND	ND
			Carbon Tetrachloride	7/20/09	3700	24,000	11/2/09	2900	18,000	2/11/10	2400	15,000	4/20/10	1700	10,000
			Chloroform	7/20/09	7500	37,000	11/2/09	6500	32,000	2/11/10	6900	34,000	4/20/10	5300	26,000
			Dichlorodifluoromethane	7/20/09	380	1900	11/2/09	ND	ND	2/11/10	ND	ND	4/20/10	ND	ND
			Dichloroethane[1,1-]	7/20/09	12,000	49,000	11/2/09	10,000	42,000	2/11/10	10,000	42,000	4/20/10	8200	33,000
			Dichloroethane[1,2-]	7/20/09	7300	30,000	11/2/09	6600	27,000	2/11/10	6800	28,000	4/20/10	5400	22,000
			Dichloroethene[1,1-]	7/20/09	8400	33,000	11/2/09	9900	39,000	2/11/10	8500	34,000	4/20/10	5300	21,000
			Dichloroethene[trans-1,2-]	7/20/09	400 (J)	1600 (J)	11/2/09	ND	ND	2/11/10	340	1300	4/20/10	ND	ND
			Dichloropropane[1,2-]	7/20/09	7600	35,000	11/2/09	6000	28,000	2/11/10	7500	34,000	4/20/10	5400	25,000
			Dioxane[1,4-]	7/20/09	ND	ND	11/2/09	ND	ND	2/11/10	1200	4300	4/20/10	ND	ND
			Methylene Chloride	7/20/09	1100	4000	11/2/09	840	2900	2/11/10	660	2300	4/20/10	ND	ND
			Tetrachloroethene	7/20/09	16000 (J)	110000 (J)	11/2/09	22,000	150,000	2/11/10	22,000	150,000	4/20/10	14,000	93,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/20/09	30,000	230,000	11/2/09	24,000	180,000	2/11/10	23,000	170,000	4/20/10	18,000	140,000
			Trichloroethane[1,1,1-]	7/20/09	250,000	1,400,000	11/2/09	230,000	1,200,000	2/11/10	220,000	1,200,000	4/20/10	190,000	1,000,000
			Trichloroethene	7/20/09	70,000	380,000	11/2/09	59,000	320,000	2/11/10	63,000	340,000	4/20/10	48,000	260,000
			Trichlorofluoromethane	7/20/09	1600	9300	11/2/09	1400	8100	2/11/10	1400	8000	4/20/10	1100	6400
	113	112–114	Benzene	7/20/09	240	760	11/2/09	ND	ND	2/11/10	ND	ND	4/20/10	ND	ND
			Carbon Tetrachloride	7/20/09	1700	10,000	11/2/09	1200	7800	2/11/10	1000	6500	4/20/10	850	5300
			Chloroform	7/20/09	4800	23,000	11/2/09	3800	19,000	2/11/10	4300	21,000	4/20/10	3500	17,000
			Dichlorodifluoromethane	7/20/09	360	1800	11/2/09	ND	ND	2/11/10	240	1200	4/20/10	ND	ND
			Dichloroethane[1,1-]	7/20/09	6800	28,000	11/2/09	5200	21,000	2/11/10	5300	22,000	4/20/10	4700	19,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-24241 (cont.)	113	112–114	Dichloroethane[1,2-]	7/20/09	4200	17,000	11/2/09	3500	14,000	2/11/10	4100	17,000	4/20/10	3300	13,000
			Dichloroethene[1,1-]	7/20/09	8600	34,000	11/2/09	7800	31,000	2/11/10	7400	29,000	4/20/10	5500	22,000
			Dichloropropane[1,2-]	7/20/09	5000	23,000	11/2/09	3800	18,000	2/11/10	5000	23,000	4/20/10	3800	18,000
			Tetrachloroethene	7/20/09	12000 (J)	82,000 (J)	11/2/09	16,000	110,000	2/11/10	16,000	100,000	4/20/10	11,000	74,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/20/09	22,000	170,000	11/2/09	15,000	110,000	2/11/10	14,000	110,000	4/20/10	13,000	100,000
			Trichloroethane[1,1,1-]	7/20/09	170,000	920,000	11/2/09	140,000	770,000	2/11/10	130,000	710,000	4/20/10	130,000	700,000
			Trichloroethene	7/20/09	51,000	270,000	11/2/09	41,000	220,000	2/11/10	43,000	230,000	4/20/10	34,000	180,000
			Trichlorofluoromethane	7/20/09	1600	9100	11/2/09	1200	6800	2/11/10	1200	7000	4/20/10	1200	6500
	133	132–134	Benzene	7/20/09	270	870	11/2/09	230	740	2/11/10	230	750	4/20/10	ND	ND
			Carbon Tetrachloride	7/20/09	1200	7800	11/2/09	1100	6800	2/11/10	880	5600	4/20/10	750	4700
			Chloroform	7/20/09	4000	20,000	11/2/09	3500	17,000	2/11/10	3700	18,000	4/20/10	3600	17,000
			Dichlorodifluoromethane	7/20/09	380	1900	11/2/09	280	1400	2/11/10	280	1400	4/20/10	300	1500
			Dichloroethane[1,1-]	7/20/09	4900	20,000	11/2/09	4100	16,000	2/11/10	3800	15,000	4/20/10	3800	16,000
			Dichloroethane[1,2-]	7/20/09	3100	12,000	11/2/09	2700	11,000	2/11/10	3100	12,000	4/20/10	2900	12,000
			Dichloroethene[1,1-]	7/20/09	9000	36,000	11/2/09	9000	36,000	2/11/10	8500	34,000	4/20/10	7100	28,000
			Dichloropropane[1,2-]	7/20/09	3400	16,000	11/2/09	2900	13,000	2/11/10	3400	16,000	4/20/10	3000	14,000
			Methylene Chloride	7/20/09	160	550	11/2/09	ND	ND	2/11/10	ND	ND	4/20/10	ND	ND
			Tetrachloroethene	7/20/09	9700 (J)	66,000 (J)	11/2/09	15,000	100,000	2/11/10	14,000	92,000	4/20/10	12,000	78,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/20/09	19,000	140,000	11/2/09	16,000	120,000	2/11/10	14,000	100,000	4/20/10	14,000	110,000
			Trichloroethane[1,1,1-]	7/20/09	140,000	750,000	11/2/09	130,000	720,000	2/11/10	120,000	630,000	4/20/10	130,000	720,000
			Trichloroethene	7/20/09	44,000	230,000	11/2/09	39,000	210,000	2/11/10	39,000	210,000	4/20/10	37,000	200,000
			Trichlorofluoromethane	7/20/09	1800	10,000	11/2/09	1600	9000	2/11/10	1500	8600	4/20/10	1500	8600

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	25	24–26	Benzene	7/16/09	ND	ND	11/2/09	ND	ND	1/25/10	66	210	4/20/10	ND	ND
			Carbon Tetrachloride	7/16/09	460	2900	11/2/09	370	2400	1/25/10	340	2100	4/20/10	300	1900
			Chloroform	7/16/09	2100	10,000	11/2/09	1700	8400	1/25/10	1700	8100	4/20/10	1600	7900
			Dichlorodifluoromethane	7/16/09	150	740	11/2/09	ND	ND	1/25/10	85	420	4/20/10	ND	ND
			Dichloroethane[1,1-]	7/16/09	2600	10,000	11/2/09	2100	8500	1/25/10	2000	8100	4/20/10	2000	8300
			Dichloroethane[1,2-]	7/16/09	770	3100	11/2/09	660	2700	1/25/10	670	2700	4/20/10	590	2400
			Dichloroethene[1,1-]	7/16/09	3600	14,000	11/2/09	3300	13,000	1/25/10	2700	10,000	4/20/10	2400	9400
			Dichloropropane[1,2-]	7/16/09	1300	5900	11/2/09	1100	5200	1/25/10	1200	5300	4/20/10	1100	4900
			Tetrachloroethene	7/16/09	64000 (J)	430000 (J)	11/2/09	75,000	510,000	1/25/10	46,000	310,000	4/20/10	54,000	360,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/16/09	5200	40,000	11/2/09	4200	32,000	1/25/10	3500	27,000	4/20/10	3900	30,000
			Trichloroethane[1,1,1-]	7/16/09	74,000	410,000	11/2/09	58,000	310,000	1/25/10	46,000	250,000	4/20/10	51,000	280,000
			Trichloroethene	7/16/09	30,000	160,000	11/2/09	24,000	130,000	1/25/10	22,000	120,000	4/20/10	22,000	120,000
			Trichlorofluoromethane	7/16/09	530	3000	11/2/09	400	2300	1/25/10	330	1800	4/20/10	380	2100
	50	49–51	Benzene	7/16/09	300	950	11/2/09	270	850	1/25/10	320	1000	4/20/10	ND	ND
			Carbon Tetrachloride	7/16/09	980	6200	11/2/09	680	4200	1/25/10	850	5400	4/20/10	650	4100
			Chloroform	7/16/09	4200	21,000	11/2/09	3400	16,000	1/25/10	4000	20,000	4/20/10	3600	18,000
			Dichlorodifluoromethane	7/16/09	430	2100	11/2/09	240	1200	1/25/10	310	1500	4/20/10	ND	ND
			Dichloroethane[1,1-]	7/16/09	4600	18,000	11/2/09	3500	14,000	1/25/10	4500	18,000	4/20/10	4100	17,000
			Dichloroethane[1,2-]	7/16/09	3300	14,000	11/2/09	2700	11,000	1/25/10	3300	13,000	4/20/10	2900	12,000
			Dichloroethene[1,1-]	7/16/09	8300	33,000	11/2/09	6800	27,000	1/25/10	9200	36,000	4/20/10	6800	27,000
			Dichloropropane[1,2-]	7/16/09	2400	11,000	11/2/09	2200	10,000	1/25/10	2700	12,000	4/20/10	2300	10,000
			Methylene Chloride	7/16/09	710	2500	11/2/09	390	1400	1/25/10	320	1100	4/20/10	390	1400
			Tetrachloroethene	7/16/09	27000 (J)	180000 (J)	11/2/09	49,000	330,000	1/25/10	50,000	340,000	4/20/10	38,000	260,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-24242 (cont.)	50	49–51	Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/16/09	14,000	110,000	11/2/09	9400	72,000	1/25/10	12,000	91,000	4/20/10	12,000	88,000
			Trichloroethane[1,1,1-]	7/16/09	160,000	850,000	11/2/09	120,000	640,000	1/25/10	140,000	750,000	4/20/10	140,000	760,000
			Trichloroethene	7/16/09	43,000	230,000	11/2/09	39,000	210,000	1/25/10	45,000	240,000	4/20/10	40,000	210,000
			Trichlorofluoromethane	7/16/09	1400	8000	11/2/09	930	5200	1/25/10	1200	6800	4/20/10	1200	6500
54-24243	25	24–26	Carbon Tetrachloride	7/23/09	720	4600	11/12/09	480	3000	2/10/10	600	3800	4/26/10	ND	ND
			Chloroform	7/23/09	4300	21,000	11/12/09	3400	16,000	2/10/10	4000	20,000	4/26/10	3300	16,000
			Cyclohexane	7/23/09	ND	ND	11/12/09	ND	ND	2/10/10	3400	12,000	4/26/10	ND	ND
			Dichlorodifluoromethane	7/23/09	360	1800	11/12/09	190	920	2/10/10	280	1400	4/26/10	ND	ND
			Dichloroethane[1,1-]	7/23/09	5600	23,000	11/12/09	4400	18,000	2/10/10	5500	22,000	4/26/10	4500	18,000
			Dichloroethane[1,2-]	7/23/09	3800	15,000	11/12/09	3500	14,000	2/10/10	4500	18,000	4/26/10	4000	16,000
			Dichloroethene[1,1-]	7/23/09	4800	19,000	11/12/09	5900	24,000	2/10/10	6100	24,000	4/26/10	3600	14,000
			Dichloropropane[1,2-]	7/23/09	9900	46,000	11/12/09	8400	39,000	2/10/10	7500	34,000	4/26/10	7200	33,000
			Tetrachloroethene	7/23/09	2000 (J-)	13,000 (J-)	11/12/09	2900	20,000	2/10/10	800	5400	4/26/10	2100	14,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/23/09	61,000	470,000	11/12/09	48,000	370,000	2/10/10	52,000	400,000	4/26/10	46,000	350,000
			Trichloroethane[1,1,1-]	7/23/09	160,000	900,000	11/12/09	130,000	720,000	2/10/10	140,000	750,000	4/26/10	130,000	730,000
			Trichloroethene	7/23/09	42,000	230,000	11/12/09	37,000	200,000	2/10/10	35,000	190,000	4/26/10	34,000	180,000
			Trichlorofluoromethane	7/23/09	1200	7000	11/12/09	970	5400	2/10/10	1200	6800	4/26/10	1000	5700
	75	74–76	Carbon Tetrachloride	7/23/09	1200	7800	11/12/09	820	5200	2/10/10	860	5400	4/26/10	760	4800
			Chloroform	7/23/09	7000	34,000	11/12/09	5600	27,000	2/10/10	5800	28,000	4/26/10	6400	31,000
			Cyclohexane	7/23/09	ND	ND	11/12/09	ND	ND	2/10/10	5500	19,000	4/26/10	ND	ND
			Dichlorodifluoromethane	7/23/09	610	3000	11/12/09	360	1800	2/10/10	400	2000	4/26/10	ND	ND
			Dichloroethane[1,1-]	7/23/09	7900	32,000	11/12/09	6200	25,000	2/10/10	6300	25,000	4/26/10	7100	29,000
			Dichloroethane[1,2-]	7/23/09	3000	12,000	11/12/09	2500	10,000	2/10/10	2700	11,000	4/26/10	3200	13,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	75	74–76	Dichloroethene[1,1-]	7/23/09	10,000	40,000	11/12/09	10,000	42,000	2/10/10	10,000	40,000	4/26/10	7900	31,000
			Dichloropropane[1,2-]	7/23/09	24,000	110,000	11/12/09	20,000	94,000	2/10/10	21,000	97,000	4/26/10	22,000	100,000
			Methylene Chloride	7/23/09	1000	3500	11/12/09	730	2500	2/10/10	640	2200	4/26/10	800	2800
			Tetrachloroethene	7/23/09	3000 (J-)	20,000 (J-)	11/12/09	5000	34,000	2/10/10	4400	30,000	4/26/10	3900	26,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/23/09	83,000	640,000	11/12/09	65,000	500,000	2/10/10	69,000	530,000	4/26/10	77,000	590,000
			Trichloroethane[1,1,1-]	7/23/09	290,000	1,600,000	11/12/09	230,000	1,200,000	2/10/10	220,000	1,200,000	4/26/10	270,000	1,500,000
			Trichloroethene	7/23/09	72,000	390,000	11/12/09	62,000	340,000	2/10/10	63,000	340,000	4/26/10	68,000	370,000
			Trichlorofluoromethane	7/23/09	2600	14,000	11/12/09	1900	11,000	2/10/10	1900	11,000	4/26/10	2000	11,000
	125	124–126	Benzene	7/23/09	560	1800	11/12/09	460	1500	2/10/10	370	1200	4/26/10	ND	ND
			Carbon Tetrachloride	7/23/09	1100	7100	11/12/09	820	5100	2/10/10	620	3900	4/26/10	500	3200
			Chloroform	7/23/09	6300	31,000	11/12/09	4800	24,000	2/10/10	4000	20,000	4/26/10	3700	18,000
			Cyclohexane	7/23/09	ND	ND	11/12/09	ND	ND	2/10/10	3600	12,000	4/26/10	ND	ND
			Dichlorodifluoromethane	7/23/09	540	2700	11/12/09	330	1600	2/10/10	300	1500	4/26/10	ND	ND
			Dichloroethane[1,1-]	7/23/09	5700	23,000	11/12/09	4400	18,000	2/10/10	3800	15,000	4/26/10	3600	14,000
			Dichloroethane[1,2-]	7/23/09	6700	27,000	11/12/09	5100	21,000	2/10/10	4300	17,000	4/26/10	3800	15,000
			Dichloroethene[1,1-]	7/23/09	12,000	48,000	11/12/09	11,000	46,000	2/10/10	9300	37,000	4/26/10	7300	29,000
			Dichloropropane[1,2-]	7/23/09	17,000	78,000	11/12/09	14,000	67,000	2/10/10	13,000	58,000	4/26/10	10,000	49,000
			Ethanol	7/23/09	ND	ND	11/12/09	ND	ND	2/10/10	860	1600	4/26/10	ND	ND
			Methylene Chloride	7/23/09	12,000	41,000	11/12/09	8100	28,000	2/10/10	5900	21,000	4/26/10	5800	20,000
			Tetrachloroethene	7/23/09	3300 (J-)	22,000 (J-)	11/12/09	5100	35,000	2/10/10	3900	26,000	4/26/10	2800	19,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/23/09	42,000	320,000	11/12/09	33,000	250,000	2/10/10	29,000	220,000	4/26/10	27,000	210,000
			Trichloroethane[1,1,1-]	7/23/09	230,000	1,300,000	11/12/09	180,000	990,000	2/10/10	140,000	790,000	4/26/10	140,000	790,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 ($\mu g/m^3$)
54-24243 (cont.)	125	124–126	Trichloroethene	7/23/09	61,000	330,000	11/12/09	52,000	280,000	2/10/10	43,000	230,000	4/26/10	37,000	200,000
			Trichlorofluoromethane	7/23/09	3500	20,000	11/12/09	2500	14,000	2/10/10	2100	12,000	4/26/10	1900	10,000
54-24399	550[e]	550–608[f]	Acetone	8/12/09	38	91	12/7/09	ND	ND	3/2/10	ND	ND	4/21/10	ND	ND
			Benzene	8/12/09	ND	ND	12/7/09	ND	ND	3/2/10	ND	ND	4/21/10	1.9	6
			Butanone[2-]	8/12/09	11	34	12/7/09	ND	ND	3/2/10	ND	ND	4/21/10	3.3	9.7
			Carbon Tetrachloride	8/12/09	ND	ND	12/7/09	7.1	44	3/2/10	3.1	19	4/21/10	2.6	16
			Chloroform	8/12/09	2.2	11	12/7/09	30	140	3/2/10	13	64	4/21/10	10	50
			Cyclohexane	8/12/09	ND	ND	12/7/09	ND	ND	3/2/10	ND	ND	4/21/10	8.4	29
			Dichlorodifluoromethane	8/12/09	ND	ND	12/7/09	5.6	28	3/2/10	4.4	22	4/21/10	4.2	20
			Dichloroethane[1,1-]	8/12/09	1.7	6.8	12/7/09	46	190	3/2/10	21	84	4/21/10	17	68
			Dichloroethane[1,2-]	8/12/09	0.98	4	12/7/09	20	79	3/2/10	9.8	40	4/21/10	ND	ND
			Dichloroethene[1,1-]	8/12/09	ND	ND	12/7/09	54	220	3/2/10	35	140	4/21/10	35	140
			Dichloropropane[1,2-]	8/12/09	2	9	12/7/09	19	89	3/2/10	8.6	40	4/21/10	ND	ND
			Ethanol	8/12/09	ND	ND	12/7/09	52 (J)	98 (J)	3/2/10	7.5	14	4/21/10	ND	ND
			Methylene Chloride	8/12/09	ND	ND	12/7/09	5	17	3/2/10	2.5	8.8	4/21/10	1.7	5.8
			Tetrachloroethene	8/12/09	62	420	12/7/09	130	900	3/2/10	75	510	4/21/10	53	360
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/12/09	1.2	9.5	12/7/09	100	780	3/2/10	54	410	4/21/10	ND	ND
			Trichloroethane[1,1,1-]	8/12/09	45	240	12/7/09	850	4700	3/2/10	380	2100	4/21/10	330	1800
			Trichloroethene	8/12/09	45	240	12/7/09	310	1700	3/2/10	160	850	4/21/10	120	670
			Trichlorofluoromethane	8/12/09	ND	ND	12/7/09	12	67	3/2/10	6.9	39	4/21/10	6.6	37
54-27641	32	29.5–34.5	Carbon Tetrachloride	8/17/09	ND	ND	11/3/09	650	4100	1/27/10	950	6000	4/16/10	650	4100
			Chloroform	8/17/09	ND	ND	11/3/09	1200	6100	1/27/10	2000	10,000	4/16/10	1700	8500
			Dichlorodifluoromethane	8/17/09	ND	ND	11/3/09	750	3700	1/27/10	1600	8000	4/16/10	1200	6100
			Dichloroethane[1,1-]	8/17/09	12,000	48,000	11/3/09	9500	38,000	1/27/10	13,000	53,000	4/16/10	9200	37,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 ($\mu g/m^3$)
54-27641	32	29.5–34.5	Dichloroethane[1,2-]	8/17/09	34,000	140,000	11/3/09	29,000	120,000	1/27/10	46,000	190,000	4/16/10	41,000	170,000
(cont.)			Dichloroethene[1,1-]	8/17/09	11,000	45,000	11/3/09	6800	27,000	1/27/10	11,000	44,000	4/16/10	4400	18,000
			Dichloropropane[1,2-]	8/17/09	ND	ND	11/3/09	710	3300	1/27/10	760	3500	4/16/10	760	3500
			Methylene Chloride	8/17/09	ND	ND	11/3/09	1400	4900	1/27/10	1600	5400	4/16/10	920	3200
			Tetrachloroethene	8/17/09	29,000	200,000	11/3/09	31,000	210,000	1/27/10	42,000	290,000	4/16/10	38,000	250,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/17/09	11,000	87,000	11/3/09	9500	72,000	1/27/10	14,000	110,000	4/16/10	13,000	98,000
			Trichloroethane[1,1,1-]	8/17/09	330,000	1,800,000	11/3/09	260,000	1,400,000	1/27/10	350,000	1,900,000	4/16/10	290,000	1,600,000
			Trichloroethene	8/17/09	120,000	620,000	11/3/09	140,000	730,000	1/27/10	220,000	1,200,000	4/16/10	180,000	970,000
			Trichlorofluoromethane	8/17/09	ND	ND	11/3/09	1400	7600	1/27/10	2200	12,000	4/16/10	1800	10,000
	82	79.5–84.5	Carbon Tetrachloride	8/17/09	ND	ND	11/3/09	390	2400	1/27/10	540	3400	4/16/10	820	5100
			Chloroform	8/17/09	ND	ND	11/3/09	1200	5800	1/27/10	1400	6700	4/16/10	2400	12,000
			Dichlorodifluoromethane	8/17/09	ND	ND	11/3/09	810	4000	1/27/10	1000	4900	4/16/10	1500	7600
			Dichloroethane[1,1-]	8/17/09	9100	37,000	11/3/09	6500	26,000	1/27/10	7400	30,000	4/16/10	11,000	46,000
			Dichloroethane[1,2-]	8/17/09	24,000	95,000	11/3/09	19,000	76,000	1/27/10	22,000	90,000	4/16/10	39,000	160,000
			Dichloroethene[1,1-]	8/17/09	8000	32,000	11/3/09	5800	23,000	1/27/10	6400	26,000	4/16/10	6700	26,000
			Dichloropropane[1,2-]	8/17/09	ND	ND	11/3/09	540	2500	1/27/10	650	3000	4/16/10	1100	5000
			Hexane	8/17/09	ND	ND	11/3/09	470	1700	1/27/10	500	1800	4/16/10	670	2400
			Methylene Chloride	8/17/09	11,000	37,000	11/3/09	7500	26,000	1/27/10	6700	23,000	4/16/10	10,000	35,000
			Tetrachloroethene	8/17/09	25,000	170,000	11/3/09	26,000	180,000	1/27/10	28,000	190,000	4/16/10	54,000	370,000
			Tetrahydrofuran	8/17/09	ND	ND	11/3/09	ND	ND	1/27/10	ND	ND	4/16/10	440	1300
			Toluene	8/17/09	ND	ND	11/3/09	ND	ND	1/27/10	300	1100	4/16/10	500	1900
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/17/09	6500	50,000	11/3/09	5500	42,000	1/27/10	6200	47,000	4/16/10	12,000	89,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-27641 (cont.)	82	79.5–84.5	Trichloroethane[1,1,1-]	8/17/09	240,000	1,300,000	11/3/09	180,000	1,000,000	1/27/10	200,000	1,100,000	4/16/10	350,000	1,900,000
			Trichloroethene	8/17/09	52,000	280,000	11/3/09	47,000	250,000	1/27/10	59,000	320,000	4/16/10	100,000	560,000
			Trichlorofluoromethane	8/17/09	ND	ND	11/3/09	1200	6800	1/27/10	1300	7300	4/16/10	2300	13,000
	115	112.5–117.5	Carbon Tetrachloride	8/17/09	ND	ND	11/3/09	ND	ND	1/27/10	420	2700	4/16/10	490	3100
			Chloroform	8/17/09	ND	ND	11/3/09	770	3800	1/27/10	1200	5900	4/16/10	1900	9100
			Dichlorodifluoromethane	8/17/09	ND	ND	11/3/09	590	2900	1/27/10	860	4300	4/16/10	1200	6100
			Dichloroethane[1,1-]	8/17/09	7200	29,000	11/3/09	4100	16,000	1/27/10	6300	25,000	4/16/10	8500	34,000
			Dichloroethane[1,2-]	8/17/09	14,000	59,000	11/3/09	8200	33,000	1/27/10	14,000	56,000	4/16/10	21,000	84,000
			Dichloroethene[1,1-]	8/17/09	7500	30,000	11/3/09	4100	16,000	1/27/10	6200	24,000	4/16/10	8000	32,000
			Dichloropropane[1,2-]	8/17/09	ND	ND	11/3/09	510	2400	1/27/10	720	3300	4/16/10	1100	5100
			Methylene Chloride	8/17/09	6400	22,000	11/3/09	3300	11,000	1/27/10	4100	14,000	4/16/10	5400	19,000
			Tetrachloroethene	8/17/09	14,000	97,000	11/3/09	9700	66,000	1/27/10	17,000	120,000	4/16/10	26,000	180,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/17/09	4600	35,000	11/3/09	3400	26,000	1/27/10	4400	34,000	4/16/10	7500	58,000
			Trichloroethane[1,1,1-]	8/17/09	190,000	1,000,000	11/3/09	110,000	620,000	1/27/10	170,000	940,000	4/16/10	260,000	1,400,000
			Trichloroethene	8/17/09	40,000	210,000	11/3/09	25,000	140,000	1/27/10	43,000	230,000	4/16/10	64,000	340,000
			Trichlorofluoromethane	8/17/09	ND	ND	11/3/09	710	4000	1/27/10	1000	5800	4/16/10	1600	8800
	182	179.5–184.5	Carbon Tetrachloride	8/17/09	ND	ND	11/3/09	270	1700	1/27/10	300	1900	4/30/10	ND	ND
			Chloroform	8/17/09	ND	ND	11/3/09	600	3000	1/27/10	630	3100	4/30/10	620	3000
			Dichlorodifluoromethane	8/17/09	ND	ND	11/3/09	560	2800	1/27/10	630	3100	4/30/10	610	3000
			Dichloroethane[1,1-]	8/17/09	3700	15,000	11/3/09	3100	12,000	1/27/10	3200	13,000	4/30/10	3200	13,000
			Dichloroethane[1,2-]	8/17/09	2900	12,000	11/3/09	2500	10,000	1/27/10	2700	11,000	4/30/10	2400	9900
			Dichloroethene[1,1-]	8/17/09	9200	37,000	11/3/09	6300	25,000	1/27/10	6600	26,000	4/30/10	5600	22,000
			Dichloropropane[1,2-]	8/17/09	ND	ND	11/3/09	310	1400	1/27/10	340	1600	4/30/10	290	1300
			Methylene Chloride	8/17/09	6200	21,000	11/3/09	4200	15,000	1/27/10	4000	14,000	4/30/10	4300	15,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	182	179.5–184.5	Tetrachloroethene	8/17/09	3800	26,000	11/3/09	3900	27,000	1/27/10	4400	30,000	4/30/10	3400	23,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/17/09	3600	27,000	11/3/09	2700	21,000	1/27/10	2900	22,000	4/30/10	3100	24,000
			Trichloroethane[1,1,1-]	8/17/09	140,000	740,000	11/3/09	110,000	600,000	1/27/10	110,000	610,000	4/30/10	120,000	640,000
			Trichloroethene	8/17/09	28,000	150,000	11/3/09	24,000	130,000	1/27/10	26,000	140,000	4/30/10	25,000	140,000
			Trichlorofluoromethane	8/17/09	ND	ND	11/3/09	600	3400	1/27/10	670	3700	4/30/10	660	3700
	271	268.5–273.5	Carbon Tetrachloride	8/17/09	100	650	11/3/09	110	710	1/27/10	150	950	4/30/10	110	670
			Chloroform	8/17/09	130	630	11/3/09	110	520	1/27/10	140	700	4/30/10	130	650
			Dichlorodifluoromethane	8/17/09	300	1500	11/3/09	300	1500	1/27/10	420	2000	4/30/10	360	1800
			Dichloroethane[1,1-]	8/17/09	490	2000	11/3/09	440	1800	1/27/10	590	2400	4/30/10	540	2200
			Dichloroethene[1,1-]	8/17/09	3500	14,000	11/3/09	3300	13,000	1/27/10	4300	17,000	4/30/10	3800	15,000
			Methylene Chloride	8/17/09	460	1600	11/3/09	440	1500	1/27/10	530	1800	4/30/10	520	1800
			Tetrachloroethene	8/17/09	930	6300	11/3/09	850	5800	1/27/10	1000	6800	4/30/10	920	6200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/17/09	2200	17,000	11/3/09	1700	13,000	1/27/10	2200	17,000	4/30/10	2000	16,000
			Trichloroethane[1,1,1-]	8/17/09	26,000	140,000	11/3/09	24,000	130000	1/27/10	30,000	160,000	4/30/10	29,000	160,000
			Trichloroethene	8/17/09	7200	39,000	11/3/09	6300	34,000	1/27/10	8300	45,000	4/30/10	7600	41,000
			Trichlorofluoromethane	8/17/09	380	2100	11/3/09	350	2000	1/27/10	470	2600	4/30/10	420	2400
	332.5	330–335	Carbon Tetrachloride	8/17/09	26	160	11/3/09	21	130	1/27/10	23	140	4/30/10	26	160
			Chloroform	8/17/09	11	52	11/3/09	ND	ND	1/27/10	9.4	46	4/30/10	11	55
			Dichlorodifluoromethane	8/17/09	70	350	11/3/09	64	320	1/27/10	73	360	4/30/10	84	410
			Dichloroethane[1,1-]	8/17/09	27	110	11/3/09	23	93	1/27/10	29	120	4/30/10	31	130
			Dichloroethene[1,1-]	8/17/09	720	2900	11/3/09	580	2300	1/27/10	660	2600	4/30/10	790	3100
			Methylene Chloride	8/17/09	19	67	11/3/09	16	56	1/27/10	ND	ND	4/30/10	21	72
			Tetrachloroethene	8/17/09	130	860	11/3/09	100	720	1/27/10	ND	ND	4/30/10	120	820

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	332.5	330–335	Trichloro-1,2,2-trifluoroethane[1,1,2-]	8/17/09	660	5100	11/3/09	470	3600	1/27/10	520	4000	4/30/10	610	4600
			Trichloroethane[1,1,1-]	8/17/09	2200	12,000	11/3/09	1700	9200	1/27/10	1900	11,000	4/30/10	2400	13,000
			Trichloroethene	8/17/09	800	4300	11/3/09	650	3500	1/27/10	760	4100	4/30/10	860	4600
			Trichlorofluoromethane	8/17/09	130	720	11/3/09	100	580	1/27/10	110	620	4/30/10	130	720
54-27642	30	27.5–32.5	Carbon Tetrachloride	7/21/09	1100	7200	11/9/09	1100	7200	1/26/10	1400	8900	4/16/10	930	5900
			Chloroform	7/21/09	5700	28,000	11/9/09	6400	31,000	1/26/10	8000	39,000	4/16/10	7400	36,000
			Dichlorodifluoromethane	7/21/09	560	2800	11/9/09	ND	ND	1/26/10	ND	ND	4/16/10	ND	ND
			Dichloroethane[1,1-]	7/21/09	11,000	44,000	11/9/09	11,000	44,000	1/26/10	12,000	51,000	4/16/10	9100	37,000
			Dichloroethane[1,2-]	7/21/09	3600	15,000	11/9/09	5600	23,000	1/26/10	9400	38,000	4/16/10	7500	30,000
			Dichloroethene[1,1-]	7/21/09	12,000	46,000	11/9/09	16,000	65,000	1/26/10	20,000	80,000	4/16/10	11,000	43,000
			Dichloropropane[1,2-]	7/21/09	19,000	86,000	11/9/09	20,000	92,000	1/26/10	26,000	120,000	4/16/10	18,000	82,000
			Ethanol	7/21/09	ND	ND	11/9/09	51,000 (J)	96,000 (J)	1/26/10	ND	ND	4/16/10	ND	ND
			Tetrachloroethene	7/21/09	4800 (J)	32,000 (J)	11/9/09	10,000	69,000	1/26/10	12,000	84,000	4/16/10	8500	57,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/21/09	180,000	1,300,000	11/9/09	200,000	1,500,000	1/26/10	280,000	2,200,000	4/16/10	250,000	1,900,000
			Trichloroethane[1,1,1-]	7/21/09	440,000	2,400,000	11/9/09	450,000	2,400,000	1/26/10	490,000	2,700,000	4/16/10	380,000	2,100,000
			Trichloroethene	7/21/09	53,000	280,000	11/9/09	58,000	310,000	1/26/10	79,000	420,000	4/16/10	64,000	340,000
			Trichlorofluoromethane	7/21/09	1500	8600	11/9/09	1600	9300	1/26/10	2100	12,000	4/16/10	1800	10,000
	75	71.5–76.5	Benzene	7/21/09	760	2400	11/9/09	710	2300	1/26/10	1400	4400	4/16/10	700	2200
			Carbon Tetrachloride	7/21/09	1300	8500	11/9/09	1200	7600	1/26/10	2300	15,000	4/16/10	1300	8100
			Chloroform	7/21/09	7800	38,000	11/9/09	7500	37,000	1/26/10	15,000	71,000	4/16/10	9000	44,000
			Dichlorodifluoromethane	7/21/09	510	2500	11/9/09	450	2200	1/26/10	860	4200	4/16/10	ND	ND
			Dichloroethane[1,1-]	7/21/09	6600	27,000	11/9/09	6300	26,000	1/26/10	12,000	47,000	4/16/10	6500	26,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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	Dichloroethane[1,2-]	7/21/09	6000	24,000	11/9/09	6000	24,000	1/26/10	12,000	49,000	4/16/10	6600	27,000
(cont.)			Dichloroethene[1,1-]	7/21/09	14,000	57,000	11/9/09	17,000	66,000	1/26/10	33,000	130,000	4/16/10	15,000	60,000
			Dichloropropane[1,2-]	7/21/09	24,000	110,000	11/9/09	23,000	110,000	1/26/10	48,000	220,000	4/16/10	26,000	120,000
			Ethanol	7/21/09	ND	ND	11/9/09	9600 (J)	18,000 (J)	1/26/10	ND	ND	4/16/10	ND	ND
			Methylene Chloride	7/21/09	2900	10,000	11/9/09	2400	8400	1/26/10	3700	13,000	4/16/10	1700	5900
			Tetrachloroethene	7/21/09	5800 (J)	40,000 (J)	11/9/09	9100	62,000	1/26/10	20,000	130,000	4/16/10	9700	66,000
			Tetrahydrofuran	7/21/09	10,000	30,000	11/9/09	12,000	37,000	1/26/10	25,000	73,000	4/16/10	12,000	35,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/21/09	55,000	420,000	11/9/09	52,000	400,000	1/26/10	100,000	780,000	4/16/10	68,000	520,000
			Trichloroethane[1,1,1-]	7/21/09	270,000	1,500,000	11/9/09	290,000	1,600,000	1/26/10	540,000	2,900,000	4/16/10	330,000	1,800,000
			Trichloroethene	7/21/09	72,000	390,000	11/9/09	68,000	360,000	1/26/10	140,000	760,000	4/16/10	82,000	440,000
			Trichlorofluoromethane	7/21/09	4100	23,000	11/9/09	4000	23,000	1/26/10	7300	41,000	4/16/10	4600	26,000
	116	114.5–119.5	Carbon Tetrachloride	7/21/09	1500	9700	11/9/09	1200	7500	1/26/10	1600	10,000	4/16/10	1200	7600
			Chloroform	7/21/09	9000	44,000	11/9/09	8300	41,000	1/26/10	9400	46,000	4/16/10	9500	46,000
			Dichlorodifluoromethane	7/21/09	690	3400	11/9/09	ND	ND	1/26/10	ND	ND	4/16/10	ND	ND
			Dichloroethane[1,1-]	7/21/09	11,000	43,000	11/9/09	9300	38,000	1/26/10	11,000	43,000	4/16/10	9400	38,000
			Dichloroethane[1,2-]	7/21/09	5300	21,000	11/9/09	5400	22,000	1/26/10	6000	24,000	4/16/10	5600	23,000
			Dichloroethene[1,1-]	7/21/09	14,000	58,000	11/9/09	19,000	74,000	1/26/10	22,000	88,000	4/16/10	14,000	55,000
			Dichloropropane[1,2-]	7/21/09	38,000	170,000	11/9/09	34,000	160,000	1/26/10	40,000	190,000	4/16/10	33,000	150,000
			Ethanol	7/21/09	ND	ND	11/9/09	8700 (J)	16,000 (J)	1/26/10	ND	ND	4/16/10	ND	ND
			Methylene Chloride	7/21/09	1200	4100	11/9/09	830 (J)	2900 (J)	1/26/10	ND	ND	4/16/10	ND	ND
			Tetrachloroethene	7/21/09	6900 (J)	46,000 (J)	11/9/09	11,000	77,000	1/26/10	14,000	93,000	4/16/10	11,000	73,000
			Tetrahydrofuran	7/21/09	2200	6600	11/9/09	2300	6800	1/26/10	ND	ND	4/16/10	630	1800

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-27642 (cont.)	116	114.5–119.5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/21/09	130,000	990,000	11/9/09	120,000	940,000	1/26/10	160,000	1,300,000	4/16/10	180,000	1,400,000
			Trichloroethane[1,1,1-]	7/21/09	420,000	2,300,000	11/9/09	400,000	2,200,000	1/26/10	450,000	2,500,000	4/16/10	430,000	2,300,000
			Trichloroethene	7/21/09	84,000	450,000	11/9/09	78,000	420,000	1/26/10	97,000	520,000	4/16/10	85,000	460,000
			Trichlorofluoromethane	7/21/09	3200	18,000	11/9/09	3000	17,000	1/26/10	3300	19,000	4/16/10	3300	18,000
	175	172.5–177.5	Benzene	7/21/09	1300	4300	11/9/09	1000	3200	1/26/10	1200	3800	5/4/10	920	2900
			Carbon Tetrachloride	7/21/09	1300	8000	11/9/09	980	6100	1/26/10	1100	7100	5/4/10	810	5100
			Chlorobenzene	7/21/09	370	1700	11/9/09	ND	ND	1/26/10	ND	ND	5/4/10	ND	ND
			Chloroform	7/21/09	6400	31,000	11/9/09	5100	25,000	1/26/10	6000	29,000	5/4/10	4700	23,000
			Dichlorodifluoromethane	7/21/09	620	3000	11/9/09	460	2300	1/26/10	540	2700	5/4/10	460	2300
			Dichloroethane[1,1-]	7/21/09	3400	14,000	11/9/09	2600	11,000	1/26/10	3000	12,000	5/4/10	2400	9900
			Dichloroethane[1,2-]	7/21/09	4300	17,000	11/9/09	3600	15,000	1/26/10	4400	18,000	5/4/10	3500	14,000
			Dichloroethene[1,1-]	7/21/09	17,000	66,000	11/9/09	15,000	58,000	1/26/10	17,000	69,000	5/4/10	12,000	49,000
			Dichloropropane[1,2-]	7/21/09	8900	41,000	11/9/09	6900	32,000	1/26/10	8700	40,000	5/4/10	6100	28,000
			Hexane	7/21/09	670	2400	11/9/09	580	2000	1/26/10	570	2000	5/4/10	500	1800
			Methylene Chloride	7/21/09	25,000	87,000	11/9/09	19,000	67,000	1/26/10	19,000	68,000	5/4/10	17,000	60,000
			Tetrachloroethene	7/21/09	4000 (J)	27,000 (J)	11/9/09	5400	37,000	1/26/10	6400	43,000	5/4/10	3500	24,000
			Toluene	7/21/09	5500	21,000	11/9/09	3900	15,000	1/26/10	4400	17,000	5/4/10	2900	11,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/21/09	34,000	260,000	11/9/09	25,000	190,000	1/26/10	30,000	230,000	5/4/10	25,000	190,000
			Trichloroethane[1,1,1-]	7/21/09	180,000	960,000	11/9/09	150,000	830,000	1/26/10	170,000	930,000	5/4/10	150,000	820,000
			Trichloroethene	7/21/09	58,000	310,000	11/9/09	45,000	240,000	1/26/10	55,000	300,000	5/4/10	40,000	210,000
			Trichlorofluoromethane	7/21/09	5300	30,000	11/9/09	4400	25,000	1/26/10	5000	28,000	5/4/10	4000	22,000
			Xylene[1,2-]	7/21/09	910	4000	11/9/09	650	2800	1/26/10	720	3200	5/4/10	ND	ND
			Xylene[1,3-]+ Xylene[1,4-]	7/21/09	530	2300	11/9/09	360	1600	1/26/10	ND	ND	5/4/10	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 ($\mu g/m^3$)
54-27642	275	272.5–277.5	Benzene	7/21/09	700	2200	11/9/09	610	1900	1/26/10	760	2400	4/16/10	660	2100
(cont.)			Carbon Tetrachloride	7/21/09	720	4500	11/9/09	670	4200	1/26/10	790	5000	4/16/10	750	4700
			Chloroform	7/21/09	2200	11,000	11/9/09	2000	9600	1/26/10	2500	12,000	4/16/10	2200	11,000
			Dichlorodifluoromethane	7/21/09	540	2700	11/9/09	470	2300	1/26/10	580	2900	4/16/10	490	2400
			Dichloroethane[1,1-]	7/21/09	840	3400	11/9/09	740	3000	1/26/10	900	3700	4/16/10	790	3200
			Dichloroethane[1,2-]	7/21/09	150	590	11/9/09	140	570	1/26/10	230	920	4/16/10	170	680
			Dichloroethene[1,1-]	7/21/09	14,000	54,000	11/9/09	13,000	51,000	1/26/10	16,000	62,000	4/16/10	13,000	51,000
			Dichloropropane[1,2-]	7/21/09	780	3600	11/9/09	660	3000	1/26/10	950	4400	4/16/10	720	3300
			Hexane	7/21/09	700	2500	11/9/09	630	2200	1/26/10	730	2600	4/16/10	540	1900
			Methylene Chloride	7/21/09	8600	30,000	11/9/09	7400	26,000	1/26/10	8100	28,000	4/16/10	7500	26,000
			Tetrachloroethene	7/21/09	1500 (J)	10,000 (J)	11/9/09	2100	14,000	1/26/10	2600	17,000	4/16/10	2400	17,000
			Toluene	7/21/09	1000	3900	11/9/09	790	3000	1/26/10	910	3400	4/16/10	880	3300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/21/09	21,000	160,000	11/9/09	17,000	130,000	1/26/10	21,000	160,000	4/16/10	20,000	150,000
			Trichloroethane[1,1,1-]	7/21/09	61,000	330,000	11/9/09	59,000	320,000	1/26/10	70,000	380,000	4/16/10	66,000	360,000
			Trichloroethene	7/21/09	26,000	140,000	11/9/09	23,000	120,000	1/26/10	29,000	150,000	4/16/10	26,000	140,000
			Trichlorofluoromethane	7/21/09	3400	19,000	11/9/09	3200	18,000	1/26/10	3800	21,000	4/16/10	3600	20,000
	338	335.5–340.5	Benzene	7/21/09	180	570	11/9/09	150	490	1/26/10	190	600	5/4/10	150	490
			Carbon Tetrachloride	7/21/09	270	1700	11/9/09	250	1600	1/26/10	290	1800	5/4/10	240	1500
			Chloroform	7/21/09	320	1600	11/9/09	290	1400	1/26/10	330	1600	5/4/10	300	1400
			Dichlorodifluoromethane	7/21/09	260	1300	11/9/09	230	1100	1/26/10	270	1300	5/4/10	240	1200
			Dichloroethane[1,1-]	7/21/09	120	480	11/9/09	100	430	1/26/10	120	470	5/4/10	120	480
			Dichloroethane[1,2-]	7/21/09	ND	ND	11/9/09	ND	ND	1/26/10	ND	ND	5/4/10	94	380
			Dichloroethene[1,1-]	7/21/09	5500	22,000	11/9/09	5100	20,000	1/26/10	5800	23,000	5/4/10	5200	21,000
			Dichloropropane[1,2-]	7/21/09	ND	ND	11/9/09	30	140	1/26/10	34	160	5/4/10	89	410

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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	Hexane	7/21/09	270	960	11/9/09	220	760	1/26/10	190	660	5/4/10	140	500
(cont.)			Methylene Chloride	7/21/09	940	3300	11/9/09	880	3000	1/26/10	870	3000	5/4/10	910	3200
			Tetrachloroethene	7/21/09	270 (J)	1800 (J)	11/9/09	380	2600	1/26/10	430	2900	5/4/10	350	2400
			Toluene	7/21/09	110	430	11/9/09	79	300	1/26/10	70	260	5/4/10	92	350
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/21/09	6100	47,000	11/9/09	5000	39,000	1/26/10	5900	45,000	5/4/10	5500	42,000
			Trichloroethane[1,1,1-]	7/21/09	12,000	68,000	11/9/09	12,000	67,000	1/26/10	13,000	71,000	5/4/10	13,000	70,000
			Trichloroethene	7/21/09	6000	32,000	11/9/09	5400	29,000	1/26/10	6400	34,000	5/4/10	5700	30,000
			Trichlorofluoromethane	7/21/09	910	5100	11/9/09	870	4900	1/26/10	980	5500	5/4/10	880	4900
54-27643	30	27.5–32.5	Carbon Tetrachloride	7/23/09	420	2600	11/10/09	300	1900	2/3/10	400	2500	4/26/10	260	1600
			Chloroform	7/23/09	2200	11,000	11/10/09	1800	8800	2/3/10	2300	11,000	4/26/10	1700	8300
			Dichlorodifluoromethane	7/23/09	140	670	11/10/09	88	440	2/3/10	120	580	4/26/10	ND	ND
			Dichloroethane[1,1-]	7/23/09	1500	6100	11/10/09	1200	4900	2/3/10	1500	6000	4/26/10	1200	5000
			Dichloroethane[1,2-]	7/23/09	1000	4200	11/10/09	900	3700	2/3/10	1200	4700	4/26/10	840	3400
			Dichloroethene[1,1-]	7/23/09	2000	8000	11/10/09	2200	8800	2/3/10	2400	9500	4/26/10	1600	6400
			Dichloropropane[1,2-]	7/23/09	5600	26,000	11/10/09	4800	22,000	2/3/10	6300	29,000	4/26/10	4200	19,000
			Tetrachloroethene	7/23/09	2200 (J-)	15,000 (J-)	11/10/09	2800	19,000	2/3/10	3400	23,000	4/26/10	2100	14,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/23/09	15,000	120,000	11/10/09	13,000	97,000	2/3/10	16,000	120,000	4/26/10	16,000	120,000
			Trichloroethane[1,1,1-]	7/23/09	78,000	430,000	11/10/09	62,000	340,000	2/3/10	73,000	400,000	4/26/10	61,000	330,000
			Trichloroethane[1,1,2-]	7/23/09	ND	ND	11/10/09	ND	ND	2/3/10	160	880	4/26/10	ND	ND
			Trichloroethene	7/23/09	14,000	74,000	11/10/09	11,000	60,000	2/3/10	15,000	79,000	4/26/10	10,000	57,000
			Trichlorofluoromethane	7/23/09	1100	6400	11/10/09	850	4800	2/3/10	1000	5900	4/26/10	860	4800

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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	Benzene	7/23/09	280	900	11/10/09	210	680	2/3/10	260	840	4/26/10	230	750
(cont.)			Carbon Tetrachloride	7/23/09	660	4100	11/10/09	400	2600	2/3/10	490	3100	4/26/10	370	2300
			Chlorobenzene	7/23/09	230	1000	11/10/09	160	720	2/3/10	180	840	4/26/10	ND	ND
			Chloroform	7/23/09	3500	17,000	11/10/09	2500	12,000	2/3/10	3100	15,000	4/26/10	2900	14,000
			Dichlorodifluoromethane	7/23/09	220	1100	11/10/09	ND	ND	2/3/10	170	860	4/26/10	ND	ND
			Dichloroethane[1,1-]	7/23/09	2100	8400	11/10/09	1500	6100	2/3/10	1800	7200	4/26/10	1700	6900
			Dichloroethane[1,2-]	7/23/09	2600	10000	11/10/09	1900	7700	2/3/10	2300	9400	4/26/10	2200	8700
			Dichloroethene[1,1-]	7/23/09	3900	15,000	11/10/09	3300	13,000	2/3/10	3600	14,000	4/26/10	3100	12,000
			Dichloropropane[1,2-]	7/23/09	7900	36,000	11/10/09	6000	28,000	2/3/10	7600	35,000	4/26/10	7000	32,000
			Ethanol	7/23/09	ND	ND	11/10/09	ND	ND	2/3/10	1100	2100	4/26/10	ND	ND
			Methylene Chloride	7/23/09	1900	6700	11/10/09	1300	4500	2/3/10	1300	4700	4/26/10	1400	4700
			Tetrachloroethene	7/23/09	3000 (J-)	20,000 (J-)	11/10/09	3400	23,000	2/3/10	3900	27,000	4/26/10	3500	24,000
			Tetrahydrofuran	7/23/09	6500	19,000	11/10/09	5600	16,000	2/3/10	6700	20,000	4/26/10	5700	17,000
			Toluene	7/23/09	430	1600	11/10/09	270	1000	2/3/10	340	1300	4/26/10	280	1100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/23/09	16,000	120,000	11/10/09	12,000	92,000	2/3/10	14,000	110,000	4/26/10	15,000	120,000
			Trichloroethane[1,1,1-]	7/23/09	110,000	590,000	11/10/09	79,000	430,000	2/3/10	91,000	500,000	4/26/10	92,000	500,000
			Trichloroethane[1,1,2-]	7/23/09	ND	ND	11/10/09	ND	ND	2/3/10	190	1000	4/26/10	ND	ND
			Trichloroethene	7/23/09	22,000	120,000	11/10/09	16,000	88,000	2/3/10	20,000	110,000	4/26/10	19,000	100,000
			Trichlorofluoromethane	7/23/09	2200	12,000	11/10/09	1500	8400	2/3/10	1700	9500	4/26/10	1600	9000
			Xylene[1,2-]	7/23/09	410	1800	11/10/09	260	1200	2/3/10	270	1200	4/26/10	260	1100

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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	Benzene	7/23/09	490	1600	11/10/09	410	1300	2/3/10	380	1200	4/26/10	390	1200
(cont.)			Carbon Tetrachloride	7/23/09	720	4500	11/10/09	460	2900	2/3/10	460	2900	4/26/10	480	3000
			Chlorobenzene	7/23/09	240	1100	11/10/09	210	960	2/3/10	180	810	4/26/10	ND	ND
			Chloroform	7/23/09	4100	20,000	11/10/09	3200	16,000	2/3/10	3100	15,000	4/26/10	3300	16,000
			Dichlorodifluoromethane	7/23/09	290	1400	11/10/09	210	1000	2/3/10	200	970	4/26/10	ND	ND
			Dichloroethane[1,1-]	7/23/09	2000	8200	11/10/09	1600	6500	2/3/10	1500	6100	4/26/10	1800	7100
			Dichloroethane[1,2-]	7/23/09	3200	13,000	11/10/09	2600	10,000	2/3/10	2500	10,000	4/26/10	2500	10,000
			Dichloroethene[1,1-]	7/23/09	6000	24,000	11/10/09	5600	22,000	2/3/10	4600	18,000	4/26/10	4900	19,000
			Dichloropropane[1,2-]	7/23/09	7200	33,000	11/10/09	6100	28,000	2/3/10	5800	27,000	4/26/10	5700	26,000
			Ethanol	7/23/09	ND	ND	11/10/09	ND	ND	2/3/10	1400	2700	4/26/10	ND	ND
			Methylene Chloride	7/23/09	5500	19,000	11/10/09	4100	14,000	2/3/10	3300	11,000	4/26/10	3800	13,000
			Tetrachloroethene	7/23/09	2500 (J-)	17,000 (J-)	11/10/09	3400	23,000	2/3/10	3100	21,000	4/26/10	2500	17,000
			Tetrahydrofuran	7/23/09	710	2100	11/10/09	660	1900	2/3/10	600	1800	4/26/10	660	1900
			Toluene	7/23/09	1000	4000	11/10/09	770	2900	2/3/10	700	2600	4/26/10	590	2200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/23/09	16,000	120,000	11/10/09	13,000	98000	2/3/10	12,000	92,000	4/26/10	15,000	110,000
			Trichloroethane[1,1,1-]	7/23/09	110,000	600,000	11/10/09	87,000	480,000	2/3/10	80,000	440,000	4/26/10	97,000	530,000
			Trichloroethane[1,1,2-]	7/23/09	ND	ND	11/10/09	ND	ND	2/3/10	130	720	4/26/10	ND	ND
			Trichloroethene	7/23/09	26,000	140,000	11/10/09	21,000	110,000	2/3/10	20,000	110,000	4/26/10	21,000	110,000
			Trichlorofluoromethane	7/23/09	3000	17,000	11/10/09	2300	13,000	2/3/10	2000	11,000	4/26/10	2300	13,000
			Xylene[1,2-]	7/23/09	580	2500	11/10/09	460	2000	2/3/10	340	1500	4/26/10	250	1100

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-27643	167	164.5–169.5	Benzene	7/23/09	770	2400	11/10/09	630	2000	2/3/10	720	2300	4/26/10	590	1900
(cont.)			Carbon Tetrachloride	7/23/09	800	5000	11/10/09	600	3800	2/3/10	680	4200	4/26/10	490	3100
			Chlorobenzene	7/23/09	200	950	11/10/09	140	670	2/3/10	170	800	4/26/10	ND	ND
			Chloroform	7/23/09	4700	23,000	11/10/09	3600	18,000	2/3/10	4000	20,000	4/26/10	3400	17,000
			Dichlorodifluoromethane	7/23/09	430	2100	11/10/09	330	1600	2/3/10	330	1600	4/26/10	300	1500
			Dichloroethane[1,1-]	7/23/09	1800	7200	11/10/09	1400	5700	2/3/10	1500	6000	4/26/10	1300	5300
			Dichloroethane[1,2-]	7/23/09	2700	11,000	11/10/09	2100	8700	2/3/10	2400	9800	4/26/10	2100	8400
			Dichloroethene[1,1-]	7/23/09	9600	38,000	11/10/09	8400	34,000	2/3/10	8300	33,000	4/26/10	6900	27,000
			Dichloropropane[1,2-]	7/23/09	5200	24,000	11/10/09	4100	19,000	2/3/10	4800	22,000	4/26/10	3900	18,000
			Ethanol	7/23/09	ND	ND	11/10/09	ND	ND	2/3/10	760	1400	4/26/10	ND	ND
			Hexane	7/23/09	350	1200	11/10/09	270	950	2/3/10	270	940	4/26/10	230	820
			Methanol	7/23/09	29,000	38,000	11/10/09	ND	ND	2/3/10	ND	ND	4/26/10	ND	ND
			Methylene Chloride	7/23/09	13,000	44,000	11/10/09	9300	32,000	2/3/10	8400	29,000	4/26/10	8100	28,000
			Tetrachloroethene	7/23/09	3500	24,000	11/10/09	2500	17,000	2/3/10	3100	21,000	4/26/10	2600	18,000
			Toluene	7/23/09	2000	7700	11/10/09	1300	5000	2/3/10	1500	5600	4/26/10	1300	4900
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/23/09	20,000	160,000	11/10/09	15,000	120,000	2/3/10	16,000	120,000	4/26/10	14,000	110,000
			Trichloroethane[1,1,1-]	7/23/09	100,000	560,000	11/10/09	84,000	460,000	2/3/10	90,000	490,000	4/26/10	82,000	450,000
			Trichloroethene	7/23/09	30,000	160,000	11/10/09	23,000	120,000	2/3/10	28,000	150,000	4/26/10	24,000	130,000
			Trichlorofluoromethane	7/23/09	4000	22,000	11/10/09	3100	18,000	2/3/10	3200	18,000	4/26/10	2800	16,000
			Xylene[1,2-]	7/23/09	540	2400	11/10/09	300	1300	2/3/10	380	1600	4/26/10	360	1600

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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	275	272.5–277.5	Benzene	7/23/09	500	1600	11/10/09	440	1400	2/3/10	470	1500	4/26/10	520	1700
(cont.)			Carbon Tetrachloride	7/23/09	590	3700	11/10/09	480	3000	2/3/10	530	3400	4/26/10	510	3200
			Chloroform	7/23/09	2100	10,000	11/10/09	1700	8400	2/3/10	1900	9100	4/26/10	2000	9700
			Dichlorodifluoromethane	7/23/09	460	2300	11/10/09	370	1800	2/3/10	380	1900	4/26/10	390	1900
			Dichloroethane[1,1-]	7/23/09	590	2400	11/10/09	520	2100	2/3/10	540	2200	4/26/10	580	2300
			Dichloroethane[1,2-]	7/23/09	120	470	11/10/09	100	420	2/3/10	110	450	4/26/10	130	510
			Dichloroethene[1,1-]	7/23/09	11,000	42,000	11/10/09	9000	36,000	2/3/10	9000	36,000	4/26/10	9500	38,000
			Dichloropropane[1,2-]	7/23/09	600	2800	11/10/09	540	2500	2/3/10	590	2700	4/26/10	640	2900
			Hexane	7/23/09	440	1500	11/10/09	370	1300	2/3/10	360	1200	4/26/10	370	1300
			Methanol	7/23/09	10,000	13,000	11/10/09	ND	ND	2/3/10	ND	ND	4/26/10	ND	ND
			Methylene Chloride	7/23/09	7200	25,000	11/10/09	5800	20,000	2/3/10	5400	19,000	4/26/10	6200	21,000
			Tetrachloroethene	7/23/09	1600	11,000	11/10/09	1400	9200	2/3/10	1400	9800	4/26/10	1600	11,000
			Toluene	7/23/09	580	2200	11/10/09	400	1500	2/3/10	400	1500	4/26/10	370	1400
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/23/09	16,000	120,000	11/10/09	13,000	100,000	2/3/10	13,000	100,000	4/26/10	15,000	110,000
			Trichloroethane[1,1,1-]	7/23/09	46,000	250,000	11/10/09	40,000	220,000	2/3/10	41,000	220,000	4/26/10	47,000	260,000
			Trichloroethene	7/23/09	18,000	94,000	11/10/09	15,000	79,000	2/3/10	16,000	89,000	4/26/10	18,000	97,000
			Trichlorofluoromethane	7/23/09	2800	16,000	11/10/09	2400	14,000	2/3/10	2400	14,000	4/26/10	2600	15,000
	354	351.5–356.5	Benzene	7/23/09	150	470	11/10/09	140	460	2/3/10	150	480	4/26/10	120	380
			Carbon Tetrachloride	7/23/09	220	1400	11/10/09	210	1300	2/3/10	210	1300	4/26/10	160	1000
			Chloroform	7/23/09	240	1200	11/10/09	230	1100	2/3/10	240	1200	4/26/10	200	960
			Dichlorodifluoromethane	7/23/09	240	1200	11/10/09	210	1000	2/3/10	210	1000	4/26/10	150	750
			Dichloroethane[1,1-]	7/23/09	80	320	11/10/09	76	300	2/3/10	77	310	4/26/10	65	260
			Dichloroethene[1,1-]	7/23/09	4400	17,000	11/10/09	4200	17,000	2/3/10	4000	16,000	4/26/10	3200	13,000
			Dichloropropane[1,2-]	7/23/09	15	70	11/10/09	16	72	2/3/10	18	82	4/26/10	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 (cont.)	354	351.5–356.5	Hexane	7/23/09	200	700	11/10/09	190	680	2/3/10	180	630	4/26/10	120	420
			Methylene Chloride	7/23/09	630	2200	11/10/09	580	2000	2/3/10	540	1900	4/26/10	490	1700
			Tetrachloroethene	7/23/09	330	2300	11/10/09	340	2300	2/3/10	320	2200	4/26/10	280	1900
			Toluene	7/23/09	63	240	11/10/09	60	220	2/3/10	55	210	4/26/10	40	150
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	7/23/09	5200	40,000	11/10/09	4500	35,000	2/3/10	4700	36,000	4/26/10	3700	29,000
			Trichloroethane[1,1,1-]	7/23/09	9500	52,000	11/10/09	9300	51,000	2/3/10	9200	50,000	4/26/10	7700	42,000
			Trichloroethene	7/23/09	4000	21,000	11/10/09	3800	20,000	2/3/10	4100	22,000	4/26/10	3400	18,000
			Trichlorofluoromethane	7/23/09	810	4600	11/10/09	790	4400	2/3/10	770	4300	4/26/10	610	3400
54-610786	25	22.5–27.5	Carbon Tetrachloride	NS	NS	NS	12/22/09	340	2200	2/5/10	200	1200	4/26/10	ND	ND
			Chloroform	NS	NS	NS	12/22/09	2300	11,000	2/5/10	1400	7100	4/26/10	1800	9000
			Dichlorodifluoromethane	NS	NS	NS	12/22/09	ND	ND	2/5/10	94	470	4/26/10	ND	ND
			Dichloroethane[1,1-]	NS	NS	NS	12/22/09	2000	8200	2/5/10	1300	5100	4/26/10	1600	6300
			Dichloroethane[1,2-]	NS	NS	NS	12/22/09	1100	4400	2/5/10	990	4000	4/26/10	1000	4200
			Dichloroethene[1,1-]	NS	NS	NS	12/22/09	2700	10,000	2/5/10	1700	6700	4/26/10	1500	5900
			Dichloropropane[1,2-]	NS	NS	NS	12/22/09	5800	27,000	2/5/10	4200	19,000	4/26/10	3900	18,000
			Tetrachloroethene	NS	NS	NS	12/22/09	4400	30,000	2/5/10	2300	16,000	4/26/10	2600	17,000
			Tetrahydrofuran	NS	NS	NS	12/22/09	430	1200	2/5/10	ND	ND	4/26/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	12/22/09	33,000	250,000	2/5/10	19,000	150,000	4/26/10	28,000	210,000
			Trichloroethane[1,1,1-]	NS	NS	NS	12/22/09	91,000	490,000	2/5/10	50,000	270,000	4/26/10	68,000	370,000
			Trichloroethene	NS	NS	NS	12/22/09	18,000	97,000	2/5/10	10,000	54,000	4/26/10	13,000	70,000
			Trichlorofluoromethane	NS	NS	NS	12/22/09	900	5000	2/5/10	530	3000	4/26/10	660	3700

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 ($\mu g/m^3$)
54-610786	100	97.5–102.5	Benzene	NS	NS	NS	12/22/09	400	1300	2/5/10	360	1200	4/26/10	350	1100
(cont.)			Carbon Tetrachloride	NS	NS	NS	12/22/09	540	3400	2/5/10	510	3200	4/26/10	420	2600
			Chlorobenzene	NS	NS	NS	12/22/09	350	1600	2/5/10	330	1500	4/26/10	ND	ND
			Chloroform	NS	NS	NS	12/22/09	3400	17,000	2/5/10	3200	16,000	4/26/10	3100	15,000
			Dichlorodifluoromethane	NS	NS	NS	12/22/09	ND	ND	2/5/10	200	1000	4/26/10	ND	ND
			Dichloroethane[1,1-]	NS	NS	NS	12/22/09	2200	8800	2/5/10	2000	8200	4/26/10	2000	8300
			Dichloroethane[1,2-]	NS	NS	NS	12/22/09	2800	11,000	2/5/10	2600	11,000	4/26/10	2400	9800
			Dichloroethene[1,1-]	NS	NS	NS	12/22/09	5100	20,000	2/5/10	4700	18,000	4/26/10	3900	15,000
			Dichloropropane[1,2-]	NS	NS	NS	12/22/09	7900	36,000	2/5/10	7500	34,000	4/26/10	6600	30,000
			Methylene Chloride	NS	NS	NS	12/22/09	4800	17,000	2/5/10	3900	14,000	4/26/10	3800	13,000
			Tetrachloroethene	NS	NS	NS	12/22/09	4700	32,000	2/5/10	4400	30,000	4/26/10	3200	22,000
			Tetrahydrofuran	NS	NS	NS	12/22/09	9400	28,000	2/5/10	10,000	30,000	4/26/10	9400	28,000
			Toluene	NS	NS	NS	12/22/09	950	3600	2/5/10	830	3100	4/26/10	560	2100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	12/22/09	17,000	130,000	2/5/10	17,000	130,000	4/26/10	17,000	130,000
			Trichloroethane[1,1,1-]	NS	NS	NS	12/22/09	110,000	590,000	2/5/10	99,000	540,000	4/26/10	100,000	570,000
			Trichloroethene	NS	NS	NS	12/22/09	26,000	140,000	2/5/10	25,000	130,000	4/26/10	22,000	120,000
			Trichlorofluoromethane	NS	NS	NS	12/22/09	2000	12,000	2/5/10	1900	11,000	4/26/10	1800	9900
			Xylene[1,2-]	NS	NS	NS	12/22/09	540	2400	2/5/10	480	2100	4/26/10	300	1300
			Xylene[1,3-]+ Xylene[1,4-]	NS	NS	NS	12/22/09	250	1100	2/5/10	160	710	4/26/10	ND	ND
	118.5	116–121	Benzene	NS	NS	NS	12/22/09	530	1700	2/5/10	490	1600	4/26/10	420	1400
			Carbon Tetrachloride	NS	NS	NS	12/22/09	630	4000	2/5/10	610	3800	4/26/10	460	2900
			Chlorobenzene	NS	NS	NS	12/22/09	340	1500	2/5/10	320	1500	4/26/10	ND	ND
			Chloroform	NS	NS	NS	12/22/09	4000	20,000	2/5/10	3700	18,000	4/26/10	3500	17,000
			Dichlorodifluoromethane	NS	NS	NS	12/22/09	240	1200	2/5/10	240	1200	4/26/10	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			3rd Quarter FY10		
				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 ($\mu g/m^3$)
54-610786	118.5	116–121	Dichloroethane[1,1-]	NS	NS	NS	12/22/09	2300	9300	2/5/10	2100	8400	4/26/10	2000	8000
(cont.)			Dichloroethane[1,2-]	NS	NS	NS	12/22/09	3300	13,000	2/5/10	3100	12,000	4/26/10	2900	12,000
			Dichloroethene[1,1-]	NS	NS	NS	12/22/09	6700	26,000	2/5/10	6200	24,000	4/26/10	5100	20,000
			Dichloropropane[1,2-]	NS	NS	NS	12/22/09	7900	36,000	2/5/10	7600	35,000	4/26/10	6600	30,000
			Methylene Chloride	NS	NS	NS	12/22/09	7400	26,000	2/5/10	5900	20,000	4/26/10	5800	20,000
			Tetrachloroethene	NS	NS	NS	12/22/09	4500	30,000	2/5/10	4200	28,000	4/26/10	3000	21,000
			Tetrahydrofuran	NS	NS	NS	12/22/09	4400	13,000	2/5/10	4400	13,000	4/26/10	3800	11,000
			Toluene	NS	NS	NS	12/22/09	1200	4300	2/5/10	1000	3800	4/26/10	700	2600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	12/22/09	18,000	140,000	2/5/10	17,000	130,000	4/26/10	17,000	130,000
			Trichloroethane[1,1,1-]	NS	NS	NS	12/22/09	110,000	620,000	2/5/10	100,000	570,000	4/26/10	110,000	600,000
			Trichloroethene	NS	NS	NS	12/22/09	30,000	160,000	2/5/10	28,000	150,000	4/26/10	24,000	130,000
			Trichlorofluoromethane	NS	NS	NS	12/22/09	2700	15,000	2/5/10	2400	13,000	4/26/10	2200	12,000
			Xylene[1,2-]	NS	NS	NS	12/22/09	540	2400	2/5/10	490	2100	4/26/10	330	1400

Note: See Appendix A for data qualifier definitions.

[a] ND = Nondetect.

[b] NS = Not sampled.

[c] Data not included in 4th quarter FY09 report.

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

[e] Open borehole.

[f] Packer sample interval.

Table 5.0-2
Tritium Pore-Vapor Results at MDA L during the Last Four Quarters

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	4th Quarter FY09		1st Quarter FY10		2nd Quarter FY10		3rd Quarter FY10	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02001	40	37.5–42.5	8/19/09	6007.46	11/2/09	ND[a]	2/1/10	518.773	4/19/10	634.062
	80	77.5–82.5	8/19/09	21,279.9	11/2/09	ND	2/2/10	2160.6	4/19/10	ND
	120	117.5–122.5	8/19/09	5329.83	11/2/09	ND	2/2/10	501.919	4/19/10	2004.6
	140	137.5–142.5	8/19/09	11,290.3	11/2/09	ND	2/1/10	923.222	4/19/10	ND
54-02002	40	37.5–42.5	7/29/09	944.114	12/2/09	53,104.3	2/5/10	2306.14	4/27/10	1996.94
	100	97.5–102.5	7/29/09	1935.91	12/2/09	10,029.5	2/5/10	2654.9	4/27/10	3182.48
	120	117.5–122.5	7/29/09	1084.95	12/2/09	2520.8	2/5/10	2635.22	4/28/10	1013.94
	180	177.5–182.5	7/29/09	1015.22	12/2/09	3895.06	2/5/10	1994.63	NS[b]	NS
	200	197.5–202.5	NS	NS	NS	NS	NS	NS	4/27/10	2780
54-02016	31	28.5–33.5	7/24/09	428.182	11/18/09	ND	1/27/10	1495.92	4/23/10	714.602
	82	79.5–84.5	7/23/09	ND	11/18/09	ND	1/27/10	1347.53	4/23/10	60,237.2
54-02021	20	10–30	7/28/09	152.519 (R)	11/13/09	1484.39	2/3/10	ND	4/2/10	667.791
	100	90–110	7/28/09	276.255 (R)	11/16/09	718.687	2/3/10	ND	4/2/10	ND
	120	110–130	NS	NS	11/16/09	518.181	NS	NS	4/2/10	1412.56
	140	130–150	7/28/09	68.5902 (R)	11/16/09	3477.03	2/3/10	ND	4/2/10	872.683
	160	150–170	7/29/09	ND	NS	NS	2/3/10	ND	NS	NS
54-02022	40	37.5–42.5	7/28/09	151.988 (R)	10/29/09	573.236	2/1/10	ND	4/9/10	ND
	80	77.5–82.5	7/28/09	131.541 (R)	10/29/09	502.087	2/1/10	ND	4/9/10	ND
	120	117.5–122.5	7/28/09	3.15289 (R)	10/29/09	537.223	2/1/10	ND	4/9/10	ND
	140	137.5–142.5	7/28/09	111.061 (R)	10/29/09	580.684	2/1/10	ND	4/9/10	ND
54-02023	40	30–50	8/5/09	ND	12/9/09	1801.75	2/11/10	696.266	5/11/10	ND
	100	90–110	8/5/09	21,345.2 (J)	12/14/09	2004.19	2/11/10	ND	5/11/10	1828.7 (J)

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	4th Quarter FY09		1st Quarter FY10		2nd Quarter FY10		3rd Quarter FY10	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02023	120	110–130	8/5/09	ND[c]	NS	NS	NS	NS	NS	NS
(cont.)	140	130–149	NS	NS	12/14/09	ND	2/11/10	ND	5/11/10	952.578
	159	149–169	8/5/09	ND	12/14/09	1657.4	2/11/10	ND	5/11/10	ND
54-02024	40	30–50	8/3/09	593.346	12/10/09	431,811	2/16/10	1290.61	5/12/10	ND
	100	90–110	8/3/09	ND	12/10/09	2155.6	2/16/10	602.412	5/12/10	ND
	140	130–150	8/3/09	344.746	12/10/09	2404.63	2/16/10	2257.46	5/12/10	ND
	160	150–170	8/3/09	1702.42	12/10/09	6182.1	2/16/10	499.175	5/12/10	ND
54-02025	20	20	7/31/09	ND	12/4/09	19,363.5	2/4/10	718.981	4/29/10	620.53
	100	100	7/31/09	ND	12/4/09	6525.95	2/4/10	386.349	4/29/10	380.254
	160	160	7/31/09	7169.76	12/4/09	1374.47	2/4/10	1229.59	4/29/10	1807.6
54-02026	20	20	8/4/09	ND	11/24/09	ND	2/9/10	558.096	5/10/10	ND
	100	100	8/3/09	ND	11/24/09	ND	2/9/10	323.373	5/10/10	ND
	160	160	8/3/09	ND	11/24/09	ND	2/9/10	1045.22	5/10/10	ND
54-02027	20	20	7/31/09	554.172	12/9/09	ND	2/17/10	1105.42	4/30/10	ND
	100	100	7/31/09	999.626	12/9/09	1418.36	2/17/10	ND	4/30/10	ND
	200	200	7/31/09	350.176	12/9/09	2186.92	2/17/10	690.591	4/30/10	ND
54-02028	20	20	8/5/09	ND	12/11/09	ND	2/12/10	1024.88	5/7/10	ND
	100	100	8/5/09	35187.7	12/11/09	ND	2/12/10	ND	5/7/10	ND
	160	160	8/5/09	ND	12/11/09	ND	2/12/10	ND	5/7/10	ND
54-02031	20	20	8/18/09	ND	11/3/09	ND	2/4/10	ND	4/5/10	0.297943
	100	100	8/18/09	ND	11/3/09	ND	2/4/10	ND	4/5/10	0.35649
	160	160	8/18/09	ND	11/9/09	55,622.9	2/4/10	ND	4/5/10	ND
	260	260	8/18/09	627.913	11/9/09	ND	2/4/10	ND	4/5/10	0.329487
54-02034	20	20	7/27/09	0 (R)	10/28/09	55,237.7	2/2/10	ND	4/6/10	403.319

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	4th Quarter FY09		1st Quarter FY10		2nd Quarter FY10		3rd Quarter FY10	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02034 (cont.)	60	60	7/27/09	429.269 (R)	10/28/09	14,105.2	2/2/10	ND	4/6/10	ND
	160	160	7/27/09	60.4133 (R)	10/28/09	ND	2/2/10	561.67	4/6/10	734.651
	260	260	7/27/09	-21.8644 (R)	10/28/09	690.262	2/2/10	738.046	4/6/10	ND
	300	300	7/27/09	455.968 (R)	10/28/09	885.114	2/3/10	ND	4/6/10	ND
54-02089	31	31	7/22/09	488.43	11/19/09	4965.04	1/29/10	1616.78	4/22/10	3172.87
	46	46	7/21/09	7034.8	11/19/09	26,658.2	1/29/10	4228.19	4/22/10	27,430.9
54-24238	64	63–65	7/22/09	1867.1	11/23/09	2.40836 (J)	2/1/10	5634.58	4/23/10	ND
54-24239	25	24–26	7/20/09	1259.35	11/10/09	ND	1/26/10	ND	6/9/10	ND
	75	74–76	7/20/09	1111.41	11/10/09	ND	1/26/10	3433.46	6/9/10	ND
54-24240	28	27–29	7/20/09	626.275	11/13/09	6676.32 (J)	1/27/10	1502.93	4/20/10	ND
	53	52–54	7/20/09	580.898	11/13/09	ND	1/27/10	896.098	4/20/10	ND
	128	127–129	7/27/09	645.182 (R)	11/13/09	ND	1/27/10	807.474	4/20/10	ND
	153	152–154	7/27/09	508.804 (R)	11/13/09	ND	1/27/10	5072.11	4/20/10	ND
54-24241	73	71–74	7/21/09	2810.4	11/16/09	4751.14	2/19/10	ND	4/21/10	2210.08
	113	112–114	7/21/09	ND	11/16/09	2966.71	2/19/10	18,584.9	4/21/10	28,252.6
	133	132–134	7/21/09	ND	11/16/09	2936.72	2/19/10	ND	4/21/10	701.809
54-24242	25	24–26	7/17/09	457.04	11/13/09	ND	1/26/10	1295.1	4/22/10	403.673
	50	49–51	7/17/09	414.674	11/13/09	ND	1/26/10	1513.76	4/22/10	437.2
54-24243	25	24–26	7/30/09	11,723.2	11/24/09	282.482	2/18/10	13,9418	6/9/10	4263.69
	75	74–76	7/30/09	379,494	11/30/09	256,672	2/18/10	23,036.4	6/9/10	478,829
	125	124–126	7/30/09	37,573.3	11/30/09	41,352.4	2/18/10	4764.99	6/9/10	28,071.6
54-24399	550	550–608	8/12/09	1747.84	12/7/09	ND	3/3/10	3051.52	4/22/10	727.995
54-27641	32	29.5–34.5	8/18/09	1204.3	12/1/09	ND	1/28/10	1027.9	4/20/10	ND
	82	79.5–84.5	8/18/09	843.2	12/1/09	1091.88	1/28/10	982.806	4/20/10	ND

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	4th Quarter FY09		1st Quarter FY10		2nd Quarter FY10		3rd Quarter FY10	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-27641 (cont.)	115	112.5–117.5	8/18/09	805.673	12/1/09	2797.26	1/28/10	395.527	4/20/10	565.522
	182	179.5–184.5	8/18/09	339.301	12/1/09	9851.29	1/28/10	314.012	4/20/10	452.307
	271	268.5–273.5	8/19/09	ND	12/1/09	ND	1/28/10	1056.52	4/20/10	ND
	332.5	330–335	8/19/09	ND	12/1/09	1575.24	1/28/10	547.31	4/20/10	ND
54-27642	30	27.5–32.5	7/23/09	298.466	11/24/09	ND	1/28/10	610.903	4/26/10	576.941
	75	71.5–76.5	7/23/09	1729.68	11/24/09	3.55463 (J)	1/28/10	1801.42	4/26/10	3572.51
	116	114.5–119.5	7/23/09	3017.31	11/24/09	7.91554 (J)	1/28/10	2635.87	4/26/10	572.655
	175	172.5–177.5	7/23/09	960.636	11/24/09	ND	1/28/10	606.867	4/26/10	683.676
	275	272.5–277.5	7/24/09	335.889	11/24/09	ND	1/28/10	846.86	4/26/10	470.653
	338	335.5–340.5	7/23/09	ND	11/24/09	ND	1/28/10	495.377	4/26/10	306.363
54-27643	30	27.5–32.5	7/30/09	281.64	12/4/09	4012.43	2/10/10	765.518	6/7/10	345.34
	74	71.5–76.5	7/30/09	747.098	12/4/09	319,326	2/10/10	1609.72	6/7/10	388.395
	117	114.5–119.5	7/30/09	254.007	12/7/09	6600.53	2/10/10	981.228	6/7/10	ND
	167	164.5–169.5	7/30/09	308.832	12/7/09	13,471.7	2/10/10	881.572	6/7/10	304.413
	275	272.5–277.5	7/30/09	300.153	12/4/09	7765.12	2/10/10	1271.58	6/7/10	383.143
	354	351.5–356.5	7/30/09	ND	12/7/09	1755.66	2/10/10	ND	6/7/10	ND
54-610786	25	22.5–27.5	NS	NS	12/24/09	ND	2/8/10	495.426	5/14/10	ND
	100	97.5–102.5	NS	NS	12/24/09	319.477	2/8/10	465.578	5/14/10	ND
	118.5	116–121	NS	NS	12/24/09	ND	2/8/10	1197.04	5/14/10	ND

Note: See Appendix A for data qualifier definitions.

[a] ND = Nondetect.

[b] NS = Not sampled.

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

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.)
FY	fiscal year
kPa	kilopascal
LANL	Los Alamos National Laboratory
LCS	laboratory control sample
MCL	maximum contaminant level
MDA	material disposal area
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NOD	notice of disapproval
PCE	tetrachloroethene
PID	photoionization detector
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act
RPD	relative percent difference
RPF	Records Processing Facility
RRF	relative response factor
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

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 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 Standard Operating Procedure (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 included with this document).

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-5.2.

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 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 included with this document).

B-1.2 Sample Documentation

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

B-1.3 Sample Preservation

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

B-1.4 Holding Time

Holding time, the maximum amount of time a sample can be stored without potential unacceptable changes in analyte concentrations, is described in 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).

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 (organic chemical compounds) 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 of $\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. Field duplicates are samples taken as close to the same time and from the same location as possible. They are analyzed as two separate samples at the laboratory. 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)/2] × 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 gases are of known concentrations.

B-2.0 LABORATORY ANALYSIS SUMMARY

During the third quarter of fiscal year (FY) 2010, 86 volatile organic compound (VOC) pore-gas samples, 9 field blank samples, 8 field duplicate samples, and 3 VOC performance evaluation samples were collected at Solid Waste Management Unit 54-006, also known as Material Disposal Area (MDA) L. Additionally, 86 tritium samples, 8 field blank samples, and 8 field duplicate samples were collected. Analysis of pore gas was conducted for VOCs using EPA Method TO-15, and analysis for tritium was conducted using EPA Method 906.0. Table B-2.0-1 lists the analytical methods used for VOC and tritium analyses. All QC procedures were followed, as required by the analytical services SOW (LANL 2000, 071233).

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

Twenty-six VOC data were qualified as rejected (R) because the affected analytes were analyzed with a relative response factor (RRF) of less than 0.05 in the initial calibration and/or continuing calibration verification.

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

Forty-one VOC results were qualified as estimated not detected (UJ) because the initial calibration verification and/or the continuing calibration verification were recovered outside the method-specific limits. Twenty-six VOC results were qualified as rejected (R) because the affected analytes were analyzed with an RRF of less than 0.05 in the initial calibration and/or continuing calibration verification.

Ninety-four samples were qualified as estimated not detected (UJ) because the affected analytes were analyzed with an initial calibration curve that exceeded the percent relative standard deviation criteria, and/or the associated multipoint calibration correlation was less than 0.995.

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

Analyte identification was within limits for all analytes.

B-3.7 Method Blank

Method blank results were within acceptable limits.

B-3.8 Surrogate Recoveries

All surrogate recoveries were within acceptable limits.

B-3.9 Internal Standard Responses

All internal standard responses were within acceptable limits.

B-3.10 Laboratory Control Sample Recoveries

The LCS percent recoveries were less than the lower allowable limit but greater than 10% for 18 VOC results. Affected results were qualified as estimated not detected (UJ).

B-3.11 Laboratory and Field Duplicates

Laboratory duplicates indicated acceptable precision.

All field duplicate results and their associated sample results had relative percent differences less than 35%, indicating acceptable field precision.

B-3.12 Field Blanks

Five analyte results were qualified as not detected (U) because the concentration in the sample was ≤5 times the related analyte in the field blank.

There were 43 detects of VOCs in 8 of the field blanks collected. No sample data was qualified as estimated or not detected based on the presence of VOC analytes in the field blanks.

B-4.0 RADIONUCLIDE ANALYSES

No tritium results were rejected.

B-4.1 Maintenance of Chain of Custody

Chain of custody was properly maintained for all samples.

B-4.2 Sample Documentation

Samples were properly documented in the field.

B-4.3 Sample Preservation

No sample preservation is required for tritium.

B-4.4 Holding Times

The holding times were met for all tritium analyses.

B-4.5 Analyte Quantitation

Two tritium results were qualified as not detected (U) because the sample result was ≤5 times the concentration of the related analyte in the field blank.

Forty-three tritium results were qualified as not detected (U) because the sample concentration was less than or equal to the minimum detectable activity.

B-4.6 Method Blanks

Ten tritium results were qualified as not detected (U) because the sample result was <5 times the concentration of the related analyte in the method blank. One result was estimated and biased high (J+) because the analyte was detected in the method blank, and the sample result was ≥5 times the concentration of the related analyte found in the method blank.

B-4.7 Laboratory Control Sample Recoveries

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

B-4.8 Laboratory and Field Duplicates

Laboratory duplicates were within range, indicating acceptable precision. Field duplicates and their associated sample results had RPDs less than 35%, indicating acceptable field precision.

B-4.9 Field Blanks

Three field blanks had detectable levels of tritium. The blanks collected at boreholes 54-02034, 54-24238, and 54-24240 had detectable levels of tritium.

B-5.0 FIELD-MONITORING SUMMARY

B-5.1 Volatile Organic Compounds

Field-monitoring data are less costly to generate than analytical laboratory data and are immediately available to guide field decisions. Field-monitoring results are generated by rapid methods of analysis that provide less precision than analytical laboratory analyses. Field-monitoring data provide analyte (or at least chemical class) identification and often some degree of quantification.

Field monitoring of subsurface vapor at MDA L is conducted using 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 analyzer is maintained through calibration and changing or cleaning of filters as needed. The B&K analyzer is calibrated before use each quarter by a certified calibration laboratory. The B&K analyzer is adjusted before each day's use to compensate for ambient pressure and temperature. An operational check is conducted before each day's use through the analysis of ambient air readings and triplicate readings of known quantities of organic analytes in nitrogen. These verification check analyses confirm analytical stability, that the instrument zero point for each analyte is correctly set, and that 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 analyzer, 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. Tetrachloroethene (PCE) generates an acoustic signal in response to light with a wavelength of 11.1 µm. Other VOCs responding to light at this wavelength include styrene and 1,1,2-trichloro-1,2,2-trifluoroethane (Freon-113), neither of which is reported by EPA Method TO-15, and dichlorodifluoromethane (Freon-12), ethanol, and 1,1-dichloroethylene (DCE). Results indicate that DCE and Freon-113 are detected in most samples at MDA L at concentrations that generate a measurable acoustic signal in response to light with a wavelength that is included in the acoustic signal interpreted as

PCE that may bias the PCE readings high using the B&K analyzer. Table B-5.1-1 presents VOCs that interfere with each of the four B&K target analytes.

Data generated using the B&K Type 1302 analyzer 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 July 15, 2010, the B&K analyzer with serial number 1692083 was calibrated before the third quarter of FY2010 monitoring event. The zero points were set for 1,1,1-trichloroethane (TCA), trichloroethene (TCE), Freon-11, PCE, carbon dioxide (CO_2), and water vapor. Span concentrations of TCA at 102.5 ppm, TCE at 19.86 ppm, Freon-11 at 2.65 ppm, PCE at 21 ppm, and CO_2 at 1001 ppm were used to generate calibration response curves.

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 in 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%. The LANDTEC PID reads with an accuracy of +/-1% over the range of 0% to 25% O_2.

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 937 was calibrated on April 29, 2010. 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 cm^3/min.

B-5.2 Tritium

All tritium samples were collected in accordance with the current version of SOP-5074. Water vapor intended for tritium analysis was collected from pore gas by means of pulling a pore-gas sample through a canister of silica gel and the sample information recorded on the appropriate sample collection log (Appendix C [on CD]). Silica gel column field duplicate samples were also collected at a frequency greater than or equal to 10% per sampling event in accordance with the current version of SOP-5059.

Following delivery of the canister and silica gel sample to the analytical laboratory, the silica gel was heated, and the moisture driven off was collected for liquid scintillation counting. Silica gel was prepared for sampling by drying at a temperature above 100°C. Before sample collection, the amount of silica gel used in each sample was weighed (typically about 135 g), as well as the sample canister with silica gel.

SOP-5074 requires that at least 5 g of moisture be collected. After sampling, the sample canister with silica gel was weighed again.

The sample (canister plus silica gel) was shipped to the analytical laboratory, where the canister with silica gel was weighed again. The silica gel was emptied into a distillation apparatus and heated to 110°C, driving moisture off the silica gel. This moisture was collected and analyzed for tritium by liquid scintillation. The analytical laboratory also weighed the empty canister and calculated 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 were reported to the Laboratory in the analytical data package and the electronic data deliverable.

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)

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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 SOW (LANL 2000, 071233)
EPA Method 906.0	Tritium in pore gas	Tritium

Table B-5.1-1
B&K Target Analytes and Potentially Interfering Analytes

Target	Potentially 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

Table B-5.1-1 (continued)

Target	Potentially Interfering Analyte
TCA	Ethyl benzene
TCA	Dimethyl formamide
TCA	Dichloromethane
TCA	1,2-Dichloroethane
TCA	o-Dichlorobenzene
TCA	Dibutyl phthalate
TCA	Chloromethane
TCA	m-Xylene
TCA	1,1,2-Trichloroethane
TCA	o-Toluidine
TCA	Toluene
TCA	Phenol
TCA	Chlorobenzene
TCA	Carbon dioxide
TCA	Boron trifluoride
TCA	Aniline
TCA	Acetophenone
TCA	Hydrogen cyanide
TCA	n-Heptane
TCE	Arsine
TCE	Butanone
TCE	Freon-152
TCE	Diethyl ketone
TCE	Dinitrogendifluoride
TCE	2-Pentanone
TCE	2-Propanol
TCE	Sulfur hexafluoride
TCE	Vinyl chloride

Appendix C

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