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

Prepared by the Environmental Programs Directorate

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EXECUTIVE SUMMARY

This periodic monitoring report summarizes vapor-monitoring activities conducted during the fourth quarter of fiscal year (FY) 2010 at Material Disposal Area L (MDA L), Solid Waste Management Unit 54-006, in Technical Area 54 at Los Alamos National Laboratory. The objective of the monitoring is to evaluate trends in volatile organic compound (VOC) concentrations and tritium activity levels over time in subsurface vapor at MDA L.

Monitoring conducted at MDA L during the fourth quarter of FY2010 included field screening 180 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 fourth 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 30 and 170 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 32 and 160 ft bgs. Maximum VOC concentrations are detected at shallower depths in the boreholes near the eastern and western source areas, and the maxima are detected at deeper levels in boreholes farther from the source areas. 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 fourth quarter of fiscal year (FY) 2010 at Material Disposal Area L (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 of the Tshirege Member of the Bandelier Tuff (Qbt 2) 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 that 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 were removed from the eastern and western source areas.
- During February and March 2007, three boreholes were drilled into the basalt beneath MDA L, the core from each borehole was analyzed, and the boreholes were constructed as vapor-monitoring wells to characterize the VOC plume.
- In July 2007, the Laboratory received an approval with direction from NMED regarding the long-term subsurface vapor-monitoring plan, provided as Appendix I to the MDA L investigation report, that required the Laboratory to submit a table indicating locations and port depths to be sampled (NMED 2007, 098409).
- In August 2007, the Laboratory submitted the "Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area L at Technical Area 54" (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) that addressed 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 semi-quantitatively 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.

Fourth quarter FY2010 vapor-monitoring activities were conducted from July 27 to September 13, 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, Installation of Vadose Zone Monitoring Wells for Vapor Sampling and Moisture Monitoring. 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 gas detector, 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 180 ports in 27 boreholes and 1 open borehole (location 54-24399 at the depth interval of 550 to 608 ft bgs) were field screened for VOCs using the LANDTEC and B&K analyzer.
- A total of 85 VOC samples were 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 were 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 Fourth 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 fourth quarter FY2010 sampling activities.

- 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.
- Four ports listed for screening within Table 1.0-1 were screened with the LANDTEC and B&K analyzer, but no LANDTEC or B&K results were recorded because of inadequate airflow. These blocked ports include borehole 54-01016 at 414.3 ft bgs and 459.3 ft bgs, borehole 54-02016 at 18 ft bgs, and 54-02024 at 120 ft bgs. These blocked ports cannot be cleared.
- 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 54-02001 at 60 and 180 ft bgs, and borehole 54-02021 at 80 ft bgs. These blocked ports cannot be cleared.
- One tritium sample collected from borehole 54-02002 at 40 ft bgs was not analyzed because the chain-of-custody label became removed from the sample column during transport. This prevented reliable identification of this sample. Therefore, only 85 of the 86 tritium samples collected were analyzed.

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 was 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

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

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 tableshttp://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/pdf/master_sl_table_run_NOVEMBER2010.pdf.

The preceding link contains the most current law constants. The following dimensionless form of Henry's law constant was used

$$H' = \frac{C_{air}}{C_{water}} \quad \text{Equation 3.0-2}$$

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

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

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 was 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 fourth quarter of FY2010. Table 3.0-3 shows the SVs calculated for the three VOCs detected in the deepest borehole location sampled during the fourth quarter of FY2010, borehole location

54-24399. Table 3.0-4 shows the SVs calculated for the maximum detected VOCs during the fourth quarter of FY2010 and the previous three sampling events.

4.0 FIELD-SCREENING RESULTS

Fourth quarter FY2010 vapor-monitoring field-screening activities were conducted at MDA L from July 27 to August 24, 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 fourth 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 fourth 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

Fourth quarter FY2010 vapor-sampling activities were conducted at MDA L from July 27 to September 13, 2010. Borehole sampling locations and port depths are provided in Table 2.0-1 and are highlighted in bold type. Borehole sampling locations are shown in Figure 1.0-2. Vapor samples were collected in SUMMA canisters and submitted for laboratory analyses of VOCs according to EPA Method TO-15. Table 5.0-1 and Appendix C present the detected concentrations of VOCs in MDA L vapor samples during the fourth quarter of FY2010 and the three previous quarters. Detected VOC concentrations for fourth 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 fourth quarter of FY2010 and the three previous quarters. Detected tritium activity levels for fourth 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 fourth 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 fourth quarter of FY2010, 28 VOC analytes were detected in the 86 vapor samples collected from MDA L. VOC analyte concentrations for the fourth quarter of FY2010 are similar to those in the previous three sampling quarters. TCA was detected in all 86 pore-gas samples. TCA was detected at the highest concentration of all VOCs with a maximum concentration of 3,000,000 µg/m^3 (560,000 ppbv) at the 46-ft port depth in borehole 54-02089 (Table 5.0-1). Also detected in at least 90% of fourth quarter FY2010 samples were chloroform; dichlorofluoromethane; 1,1-dichloroethane; 1,1-dichloroethene; Freon-11; PCE; 1,1,2-trichloro-1,2,2-trifluoroethane; and TCE (Table 5.0-1).

Near the western source of contamination, maximum VOC concentrations detected in laboratory-analyzed samples from four western boreholes (54-02001, 54-02022, 54-24240, and 54-27641) were found at depths ranging from 29.5 to 117.5 ft bgs. At the three western boreholes (54-02021, 54-02031, and 54-02034) further from the source area, maximum VOC concentrations were found at depths ranging from 60 to 160 ft bgs. Within these western boreholes, TCA, TCE, PCE, Freon-11, dichlorodifluoromethane, 1,1-dichloroethene, and 1,1,2-trichloro-1,2,2-trifluoroethane were the most common VOCs detected. The maximum TCE and Freon-11 concentrations (1,300,000 µg/m^3 and 46,000 µg/m^3 or 240,000 ppbv and 8200 ppbv) detected at MDA L in the fourth quarter of FY2010 were found at the 53-ft depth in borehole 54-24240. 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. The maximum PCE concentration (780,000 µg/m^3 or 120,000 ppbv) detected at MDA L in the fourth quarter of FY2010 was found at the 25-ft depth in borehole 54-24242. These boreholes were each sampled at two depths, except boreholes 54-24399 and 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 (840,000 µg/m^3 to 3,000,000 µg/m^3, 160,000 ppbv to 560,000 ppbv) in the eastern area were TCA; 1,1,2-trichloro-1,2,2-trifluoroethane, and TCE. As noted above, the highest concentration of TCA was detected in borehole 54-02089 near the eastern source of contamination. The highest concentration of 1,1,2-trichloro-1,2,2-trifluoroethane (1,900,000 µg/m^3 or 250,000 ppbv) detected at MDA L in the fourth quarter of FY2010 was found at the 30-ft depth in borehole 54-27642 near the eastern source of contamination. The highest concentration of TCE (840,000 µg/m^3 or 160,000 ppbv) detected in the fourth quarter FY2010 was found at the 46-ft depth in borehole 54-02089 also near the eastern source of contamination. Maximum VOC concentrations in the remaining 11 eastern boreholes (54-02002, 54-02023, 54-02024, 54-02025, 54-02026, 54-02027, 54-02028, 54-24243, 54-24244, 54-27643, and 54-610786) farther from the source area were detected at depths ranging from 75 to 170 ft bgs. VOC concentrations at these boreholes in the fourth quarter of FY2010 were similar to the concentrations in the previous three sampling events.

Tritium results were generally consistent with results from the previous three quarters. During the fourth quarter of FY2010, tritium was detected in 33 of the 85 samples analyzed at activity levels ranging from 305.185 pCi/L to 279,504 pCi/L. The maximum tritium activity level (279,504 pCi/L) detected was collected from the 75-ft port depth in borehole 54-24243. This activity level is approximately half the activity level detected in this port in the third quarter of FY2010. The second highest tritium activity was from borehole 54-24243 at a depth of 125 ft bgs with an activity level of 36,173.2 pCi/L. This activity level was approximately 30% higher than the activity detected in this port in the third quarter of FY2010.

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 fourth quarter of FY2010. The screening evaluated 25 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 fourth quarter of FY2010. Thirteen VOCs had SVs greater than 1.0: benzene, carbon tetrachloride, chloroform, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethene, 1,2-dichloropropane, 1,4-dioxane, methylene chloride, PCE, TCA, 1,1,2-trichloroethane, 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 the three VOCs detected at this location that have MCLs, NMWQCC standards, or NMED or EPA regional tap water SLs. Screening of these three 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 fourth 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 fourth quarter FY2010 monitoring event are summarized as follows.

- In the fourth quarter of FY2010, 28 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 in boreholes near the eastern source area (54-02016, 54-02089, and 54-24238) were highest at shallow depths of 30 to 64 ft bgs. Boreholes further from the eastern source area (54-02002, 54-02023, 54-02024, 54-02025, 54-02026, 54-02027, 54-02028, 54-24243, 54-24244, 54-27642, 54-27643, and 54-610786) had maximum VOC concentrations in the interval between 74 ft bgs and 170 ft bgs. VOC concentrations in borehole 54-24241 in the center of MDA L generally decreased with depth. VOC concentrations in boreholes near the western source area (54-02001, 54-24240, and 54-27641) were highest at shallow depths of 32 to 80 ft bgs. Boreholes further from the western source area (54-02021, 54-02022, 54-02031, and 54-02034) had maximum VOC concentrations in the interval between 120 ft bgs and 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 33 of the 85 samples analyzed during the fourth quarter of FY2010.
- Tritium activities ranged from not detected to 279,504 pCi/L and varied with depth and location. Tritium activities were generally consistent with activity levels reported during the previous three quarters of sampling.

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

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

NMED (New Mexico Environment Department), November 8, 2007. "Approval with Modifications for the Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area (MDA) L, Solid Waste Management Unit 54-006, at Technical Area 54, Revision 1," New Mexico Environment Department letter to D. Gregory (DOE-LASO) and D. McInroy (LANL) from J.P. Bearzi (NMED-HWB), Santa Fe, New Mexico. (NMED 2007, 098999)

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

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)

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

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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.
20-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; September 19, 2007; as published December 4, 2008.
MDA L	Materials Disposal Areas; Los Alamos National Laboratory, ENV Environmental Remediation and Surveillance Program; ER2004-0221; 1:2,500 Scale Data; April 23, 2004.
Paved road	Paved Road Arcs; Los Alamos National Laboratory, KSL Site Support Services, Planning, Locating, and Mapping Section; January 6, 2004; as published October 15, 2008.
Primary paved road Secondary paved road	Road Centerlines for the County of Los Alamos; County of Los Alamos, Information Services; as published December 3, 2007.
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.

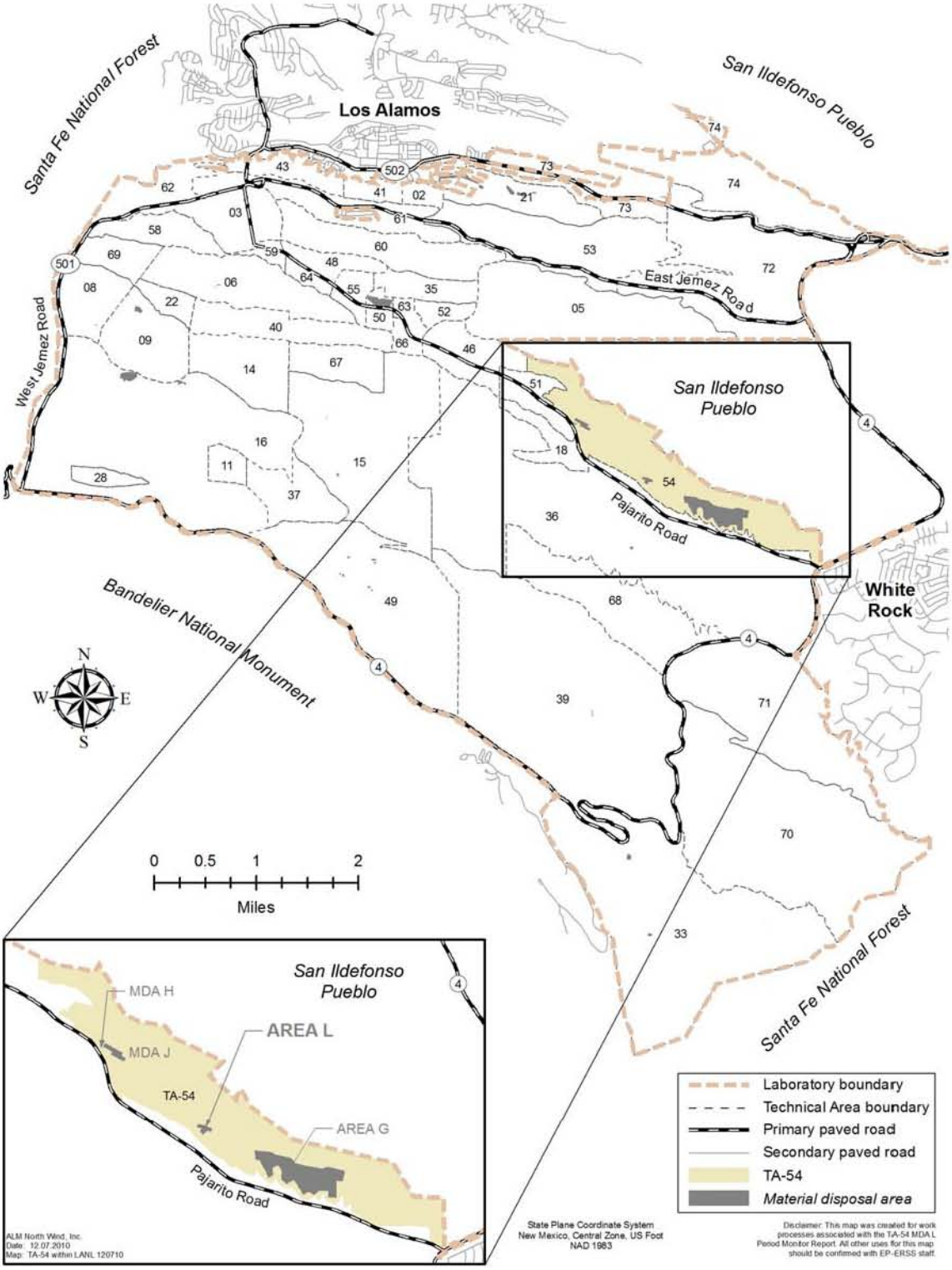

Figure 1.0-1 MDA L in TA-54 with respect to Laboratory technical areas and surrounding landholdings

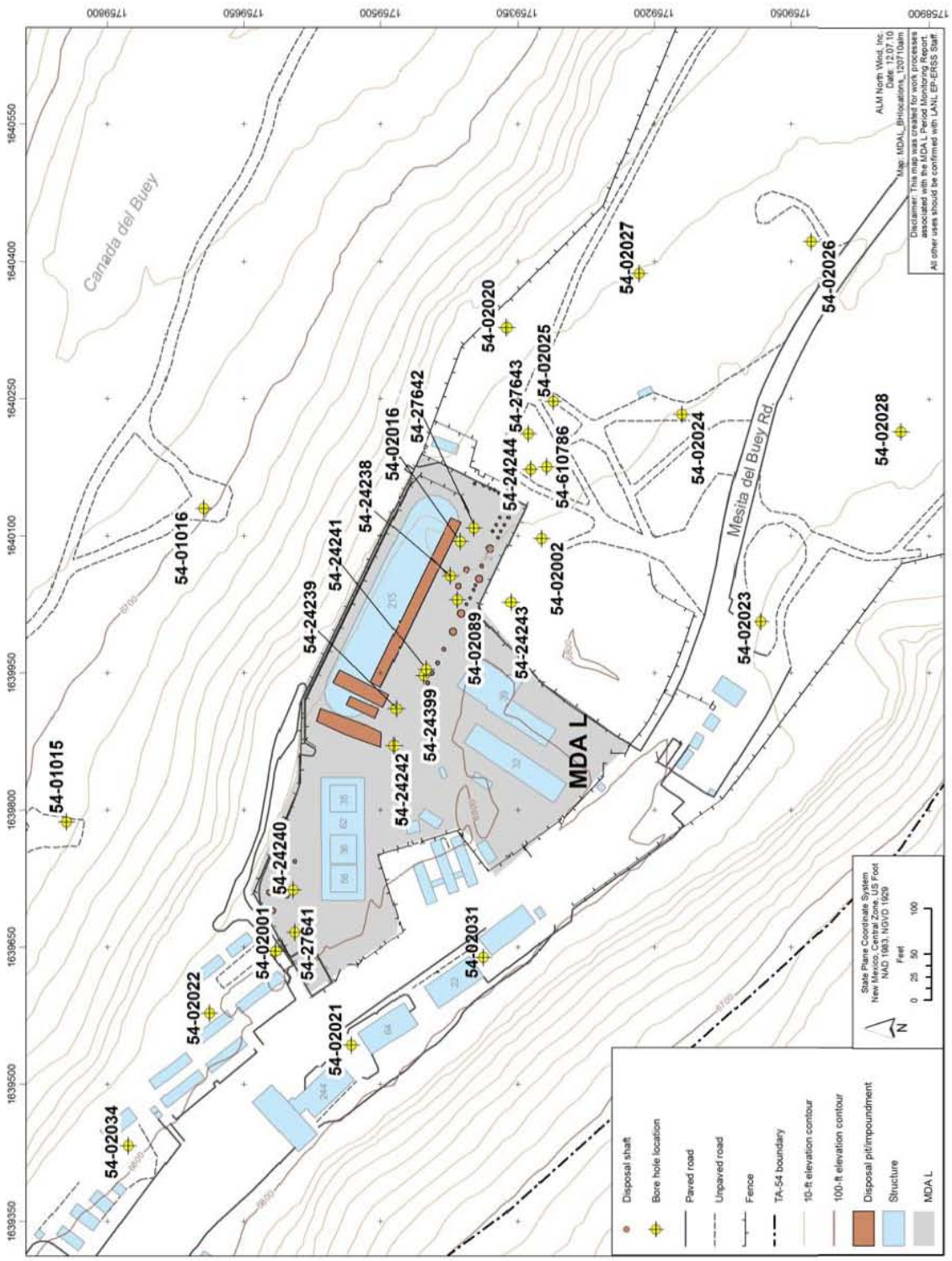

Figure 1.0-2 MDA L pore-gas monitoring borehole locations

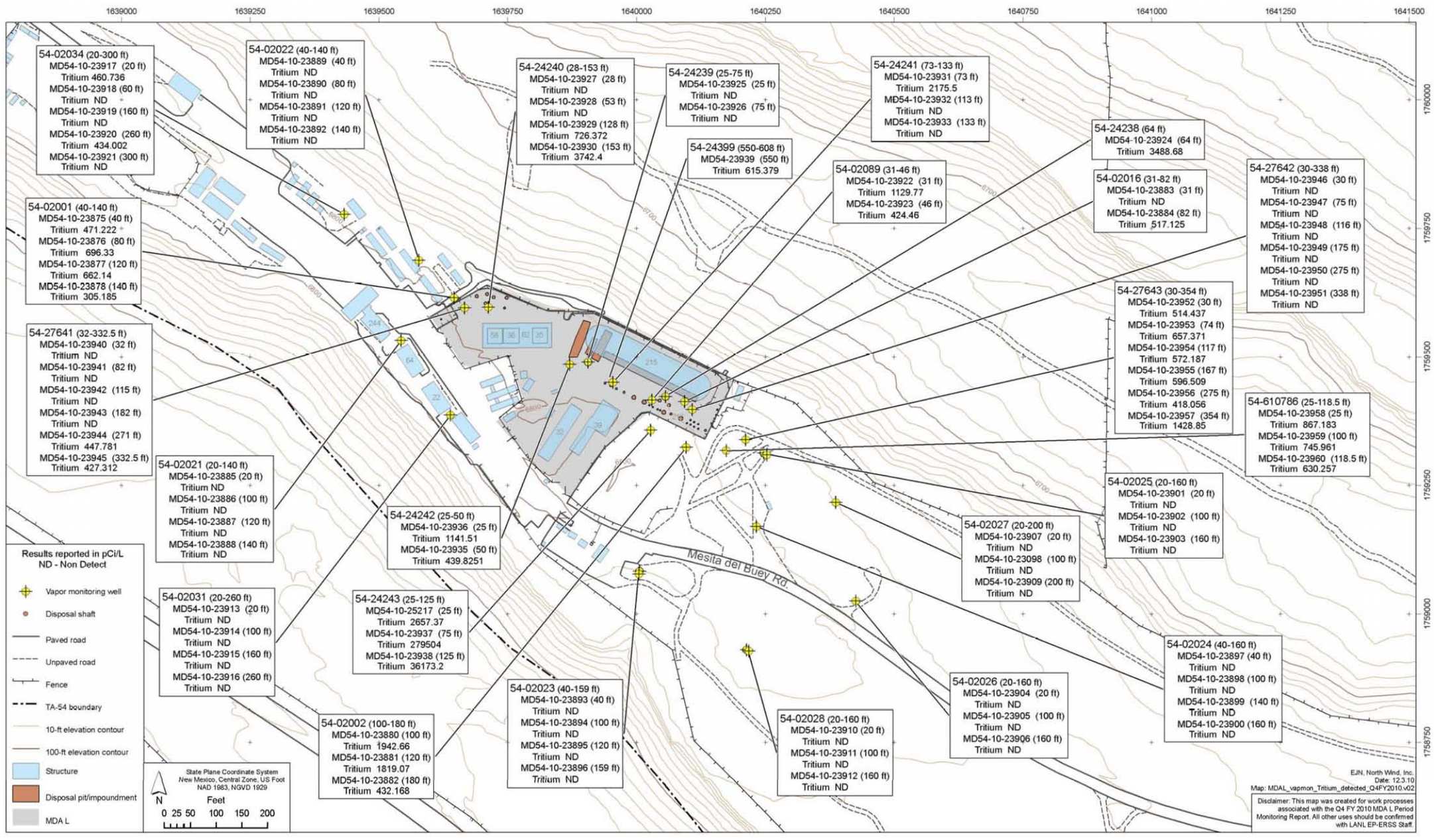

Figure 5.0-1 Tritium detected in vapor samples at MDA L

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 in bold, 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 in December 2009.

Table 2.0-1
Fourth 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[b] (386–396), 414.3[a] (473–483), 459.5[a] (530–540), 517.6[b] (592–602)
54-02001	20 (17.5–22.5), **40 (37.5–42.5)**, 60[b] (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[a] (177.5–182.5), 200 (197.5–202.5)
54-02002	20 (17.5–22.5), **40 (37.5–42.5)**, 60 (57.5–62.5), 80[b] (77.5–82.5), **100 (97.5–102.5)**, **120(117.5–122.5)**, 140 (137.5–142.5), 157 (154.5–159.5), **180 (177.5–182.5),** 200 (197.5–202.5)
54-02016	18[a] (15.5–20.5), **31 (28.5–33.5)**, **82**[b] **(79.5–84.5)**
54-02020	20 (10–30), 40 (30–50), 60 (50–70), 80 (70–90), 95 (90–110), 120 (110–130), 140 (130–150), 160 (150–170), 180 (170–190), 200 (190–210)
54-02021	**20 (10–30)**, 40 (30–50), 60 (50–70), 80[a] (70–90), **100 (90–110)**, **120**[b] **(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 (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 (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 in bold, only VOC screening was conducted.

[a] Blocked ports.

[b] Partially blocked ports.

[c] Open borehole.

[d] New borehole drilled in 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 disulfide	0.59	1040	NMED Tap Water SL	614,000
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
Methylene chloride	0.13	5	EPA MCL	650
Propylene	na	na	na	na
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
Trimethylbenzene[1,2,4-]	0.25	15	EPA regional SL	3750

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[1,3,5-]	0.36	370	EPA regional SL	133,200
Xylene[1,2-]	0.213	620[c]	NMWQCC	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 [1,2-] and for xylene [1,3-]+ xylene [1,4-] is for total xylenes.

Table 3.0-2
SVs of VOCs Detected during Fourth 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)	SV (unitless)	Potential for Groundwater Impact[a]
Acetone	96	34,880	0.0028	No
Benzene	4100	1140	3.6	Yes
Carbon disulfide	54	614,000	0.000088	No
Carbon tetrachloride	13,000	5500	2.4	Yes
Chlorobenzene	1400	13,000	0.11	No
Chloroform	53,000	12,000	4.4	Yes
Cyclohexane	2000	79,300,000	0.000025	No
Dichlorodifluoromethane	41,000	5,530,000	0.0074	No
Dichloroethane[1,1-]	71,000	5750	12	Yes
Dichloroethane[1,2-]	710,000	240	3000	Yes
Dichloroethene[1,1-]	71,000	5500	13	Yes
Dichloroethene[trans-1,2-]	1700	38,000	0.045	No
Dichloropropane[1,2-]	330,000	600	550	Yes
Dioxane[1,4-]	6700	12.2	550	Yes
Ethanol	5900	na[b]	na	No
Hexane	2500	64,824,000	0.000039	No
Methylene chloride	240,000	650	370	Yes
Propylene	120	na	na	No
Tetrachloroethene	780,000	3600	220	Yes

Table 3.0-2 (continued)

VOCs	Maximum Pore-Gas Concentration (µg/m³)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m³)	SV (unitless)	Potential for Groundwater Impact[a]
Tetrahydrofuran	44,000	na	na	No
Toluene	15,000	204,000	0.074	No
Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,900,000	1,302,400,000	0.0015	No
Trichloroethane[1,1,1-]	3,000,000	42,300	71	Yes
Trichloroethane[1,1,2-]	1000	170	5.9	Yes
Trichloroethene	1,300,000	2000	650	Yes
Trichlorofluoromethane	46,000	5,200,000	0.0088	No
Xylene[1,2-]	3200	132,060	0.024	No
Xylene[1,3-]+xylene[1,4-]	3700	167,400	0.022	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
SVs of VOCs Detected during
Fourth 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)	SV (unitless)	Potential for Groundwater Impact*
Tetrachloroethene	550	550–608	450	3600	0.13	No
Trichloroethane[1,1,1-]			210	42,300	0.005	No
Trichloroethene			270	2000	0.14	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
SVs of VOCs Detected in Pore Gas at MDA L during the Last Four Quarters

Analyte	Maximum Pore-Gas Concentration (µg/m³)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m³)	Screening Value (unitless)	Potential for Groundwater Impact[a]
Acetone	730	34,880	0.021	No
Benzene	4400	1140	3.9	Yes
Butanone[2-]	9.7	16,238	0.00059	No
Carbon disulfide	54	614,000	0.000088	No
Carbon tetrachloride	19,000	5500	3.5	Yes
Chlorobenzene	1900	13,000	0.15	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-]	1700	38,000	0.045	No
Dichloropropane[1,2-]	400,000	600	670	Yes
Dioxane[1,4-]	6700	12.2	550	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
Methylene chloride	250,000	650	380	Yes
Propylene	120	na	na	No
Styrene	1000	11,000	0.091	No
Tetrachloroethene	780,000	3600	220	Yes
Tetrahydrofuran	73,000	na	na	No
Toluene	17,000	204,000	0.083	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	1,300,000	2000	650	Yes
Trichlorofluoromethane	46,000	5,160,000	0.0089	No
Trimethylbenzene[1,2,4-]	210	3750	0.056	No
Trimethylbenzene[1,3,5-]	300	133,200	0.0023	No
Xylene[1,2-]	3200	132,060	0.024	No
Xylene[1,3-]+ xylene[1,4-]	3700	167,400	0.022	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	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-01015	Ambient	Ambient	CO_2	11/17/09	0	NS[a]	NS	5/4/10	0	8/19/10	0
			O_2	11/17/09	20.5	NS	NS	5/4/10	20.1	8/19/10	18.8
	37.6	36–46	CO_2	11/17/09	0	NS	NS	5/4/10	0	8/19/10	0.1
			O_2	11/17/09	20.6	NS	NS	5/4/10	20	8/19/10	18.9
	165.4	182–192	CO_2	11/17/09	0.1	NS	NS	5/4/10	0	8/19/10	0.2
			O_2	11/17/09	20.2	NS	NS	5/4/10	19.4	8/19/10	18.9
	308.3	340–352	CO_2	11/17/09	0.2	NS	NS	5/4/10	0	8/19/10	0.1
			O_2	11/17/09	20.1	NS	NS	5/4/10	19.2	8/19/10	18.3
	333.3	375–385	CO_2	11/17/09	0.1	NS	NS	5/4/10	0	8/19/10	0
			O_2	11/17/09	20.1	NS	NS	5/4/10	19.7	8/19/10	18.2
	377.7	425–435	CO_2	11/17/09	0.1	NS	NS	5/4/10	0	8/19/10	0
			O_2	11/17/09	19.8	NS	NS	5/4/10	20.2	8/19/10	18.3
	426.5	480–490	CO_2	11/17/09	0.1	NS	NS	5/4/10	0	8/19/10	0
			O_2	11/17/09	19.8	NS	NS	5/4/10	20.5	8/19/10	18.5
	462.1	520–530	CO_2	11/17/09	0.1	NS	NS	5/4/10	0	8/19/10	0
			O_2	11/17/09	19.8	NS	NS	5/4/10	20.6	8/19/10	18.5
54-01016	Ambient	Ambient	CO_2	11/17/09	0.01	NS	NS	5/5/10	0	8/24/10	0
			O_2	11/17/09	20.7	NS	NS	5/5/10	20.5	8/24/10	19.5
	30.8	30–40	CO_2	11/17/09	0.2	NS	NS	5/5/10	0.2	8/24/10	0
			O_2	11/17/09	20.7	NS	NS	5/5/10	19.8	8/24/10	19.2
	162.2	178–190	CO_2	11/17/09	0.5	NS	NS	5/5/10	0.4	8/24/10	0.2
			O_2	11/17/09	20.2	NS	NS	5/5/10	19.1	8/24/10	18.8
	274.7	318–324	CO_2	11/17/09	0.3	NS	NS	5/5/10	0.2	8/24/10	0
			O_2	11/17/09	20.2	NS	NS	5/5/10	19.4	8/24/10	18.8

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-01016 (cont.)	336.3	386–396	CO_2	11/17/09	0	NS	NS	5/5/10	0	8/24/10	0
			O_2	11/17/09	20.2	NS	NS	5/5/10	19.5	8/24/10	19.2
	414.3	473–483	CO_2	11/17/09	0[b]	NS	NS	5/5/10	0	8/24/10	NS[b]
			O_2	11/17/09	20.1[b]	NS	NS	5/5/10	19.9	8/24/10	NS[b]
	459.5	530–540	CO_2	11/17/09	0[c]	NS	NS	5/5/10	0	8/24/10	NS[b]
			O_2	11/17/09	20.1[c]	NS	NS	5/5/10	20.2	8/24/10	NS[b]
	517.6	592–602	CO_2	11/17/09	0	NS	NS	5/5/10	0	8/24/10	0
			O_2	11/17/09	20.1	NS	NS	5/5/10	19.9	8/24/10	19.3
54-02001	Ambient	Ambient	CO_2	10/27/09	0	1/28/10	0.1	4/5/10	0	8/4/10	0
			O_2	10/27/09	21	1/28/10	20	4/5/10	22.6	8/4/10	19.8
	20	17.5–22.5	CO_2	10/27/09	1.3	1/28/10	0.5	4/5/10	0	8/4/10	1
			O_2	10/27/09	19.3	1/28/10	20	4/5/10	22.7	8/4/10	18.3
	40	37.5–42.5	CO_2	10/27/09	1.2	2/19/10	0	4/5/10	0	8/4/10	0.7
			O_2	10/27/09	19.6	2/19/10	20.7	4/5/10	22.7	8/4/10	18.3
	60	57.5–62.5	CO_2	10/27/09	0.6	2/19/10	0	4/5/10	0.9	8/4/10	0.7[b]
			O_2	10/27/09	20.1	2/19/10	20.8	4/5/10	21.9	8/4/10	18.2[b]
	80	77.5–82.5	CO_2	10/27/09	1.1	2/19/10	0	4/5/10	1.5	8/4/10	0.6
			O_2	10/27/09	19.7	2/19/10	20.9	4/5/10	20.3	8/4/10	18.5
	100	97.5–102.5	CO_2	10/27/09	0.7	2/19/10	0	4/5/10	1.4	8/4/10	0.5
			O_2	10/27/09	20.1	2/19/10	21.2	4/5/10	20.3	8/4/10	18.9
	120	117.5–122.5	CO_2	10/27/09	0.8	2/19/10	0	4/5/10	0.4	8/4/10	0
			O_2	10/27/09	19.9	2/19/10	21.4	4/5/10	20.9	8/4/10	19.5
	140	137.5–142.5	CO_2	10/27/09	0.6	2/19/10	0	4/5/10	0.4	8/4/10	0.4
			O_2	10/27/09	19.9	2/19/10	21.4	4/5/10	20.9	8/4/10	19.1

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02001 (cont.)	160	157.5–162.5	CO_2	11/17/09	0.6[c]	2/19/10	0	4/5/10	0.4	8/4/10	0
			O_2	11/17/09	19.8[c]	2/19/10	21.6	4/5/10	21	8/4/10	19.4
	180	177.5–182.5	CO_2	10/27/09	0.7[b]	2/19/10	0[b]	4/5/10	0.6	8/4/10	NS[b]
			O_2	10/27/09	20.1[b]	2/19/10	21.6[b]	4/5/10	20.9	8/4/10	NS[b]
	200	197.5–202.5	CO_2	10/27/09	0.7	2/19/10	0	4/5/10	0.7	8/4/10	0
			O_2	10/27/09	19.9	2/19/10	21.6	4/5/10	20.9	8/4/10	19.3
54-02002	Ambient	Ambient	CO_2	11/9/09	0	2/9/10	0	4/23/10	0	8/5/10	0
			O_2	11/9/09	20.9	2/9/10	21.2	4/23/10	21.1	8/5/10	18.9
	20	17.5–22.5	CO_2	11/9/09	0.7	2/9/10	0.9	4/23/10	0	8/5/10	0.9
			O_2	11/9/09	19.7	2/9/10	20.2	4/23/10	21	8/5/10	18.2
	40	37.5–42.5	CO_2	11/9/09	1.3	2/9/10	1.8	4/23/10	2	8/5/10	0.9
			O_2	11/9/09	18.8	2/9/10	19.6	4/23/10	19.5	8/5/10	18.1
	60	57.5–62.5	CO_2	11/9/09	1.7	2/9/10	2.3	4/23/10	2.4	8/5/10	1.3
			O_2	11/9/09	18.1	2/9/10	19.2	4/23/10	19.1	8/5/10	17.6
	80	77.5–82.5	CO_2	11/9/09	1	2/9/10	2.3	4/23/10	2.4[b]	8/5/10	1.3
			O_2	11/9/09	16.8	2/9/10	19.1	4/23/10	19[b]	8/5/10	17.6
	100	97.5–102.5	CO_2	11/9/09	1.5	2/9/10	0	4/23/10	2	8/5/10	2.5
			O_2	11/9/09	18.1	2/9/10	21.1	4/23/10	19.3	8/5/10	17.6
	120	117.5–122.5	CO_2	11/9/09	1.3	2/9/10	0	4/23/10	1.6	8/5/10	0
			O_2	11/9/09	18.1	2/9/10	20.9	4/23/10	19.5	8/5/10	19.1
	140	137.5–142.5	CO_2	11/9/09	1.1	2/9/10	1.9	4/23/10	2.1	8/5/10	1.1
			O_2	11/9/09	18.3	2/9/10	19.3	4/23/10	19	8/5/10	17.5
	157	154.5–159.5	CO_2	11/9/09	0.9	2/9/10	1.6	4/23/10	1.8	8/5/10	0
			O_2	11/9/09	18.4	2/9/10	19.5	4/23/10	19.4	8/5/10	19.2
	180	177.5–182.5	CO_2	11/9/09	1.2	2/9/10	2	4/23/10	2.1[b]	8/5/10	1.1
			O_2	11/9/09	17.9	2/9/10	19.3	4/23/10	19.3[b]	8/5/10	17.9

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02002 (cont.)	200	197.5–202.5	CO_2	11/9/09	0.7	2/9/10	1.3	4/23/10	1.5	8/5/10	0.8
			O_2	11/9/09	18.1	2/9/10	19.8	4/23/10	19.7	8/5/10	18.6
54-02016	Ambient	Ambient	CO_2	11/3/09	0.1	1/26/10	0	4/20/10	0	7/27/10	0
			O_2	11/3/09	20.6	1/26/10	20.6	4/20/10	21.4	7/27/10	19.5
	18	15.5–20.5	CO_2	11/3/09	0[b]	1/26/10	0[b]	4/20/10	0[b]	7/27/10	NS[b]
			O_2	11/3/09	20.9[b]	1/26/10	20.6[b]	4/20/10	20.7[b]	7/27/10	NS[b]
	31	28.5–33.5	CO_2	11/3/09	2.7	1/26/10	3.6	4/20/10	3.3	7/27/10	2.1[c]
			O_2	11/3/09	17.1	1/26/10	17.3	4/20/10	18.2	7/27/10	16.1[c]
	82	79.5–84.5	CO_2	11/3/09	1.7	1/26/10	3	4/20/10	0	7/27/10	2.1
			O_2	11/3/09	18.1	1/26/10	17.6	4/20/10	21.3	7/27/10	15.6
54-02020	Ambient	Ambient	CO_2	11/16/09	0	2/11/10	0	4/29/10	0	8/23/10	0
			O_2	11/16/09	21.3	2/11/10	21.3	4/29/10	20.8	8/23/10	19.1
	20	10–30	CO_2	11/16/09	0.5	2/11/10	0.5	4/29/10	0.3	8/23/10	0.6
			O_2	11/16/09	20.1	2/11/10	21	4/29/10	20.4	8/23/10	18.6
	40	30–50	CO_2	11/16/09	0.6	2/11/10	0.6	4/29/10	0.3	8/23/10	0.5
			O_2	11/16/09	21.1	2/11/10	21	4/29/10	20.4	8/23/10	18.5
	60	50–70	CO_2	11/16/09	0.6	2/11/10	0.6	4/29/10	0.3	8/23/10	0.6
			O_2	11/16/09	20.6	2/11/10	21.1	4/29/10	20.4	8/23/10	19.3
	80	70–90	CO_2	11/16/09	0.5	2/11/10	0.6	4/29/10	0.3	8/24/10	0.6
			O_2	11/16/09	21.3	2/11/10	21.1	4/29/10	20.3	8/24/10	19.2
	95	90–110	CO_2	11/16/09	0.6	2/11/10	0.6	4/29/10	0.3	8/24/10	0.6
			O_2	11/16/09	20.6	2/11/10	21.1	4/29/10	20.1	8/24/10	19.1
	120	110–130	CO_2	11/16/09	0.5	2/11/10	0.6	4/29/10	0.3	8/24/10	0.6
			O_2	11/16/09	20.6	2/11/10	21.2	4/29/10	20.1	8/24/10	18.9

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02020 (cont.)	140	130–150	CO_2	11/16/09	0.6	2/11/10	0.6	4/29/10	0.3	8/24/10	0.5
			O_2	11/16/09	20.2	2/11/10	21.2	4/29/10	19.9	8/24/10	18.8
	160	150–170	CO_2	11/16/09	0.5	2/11/10	0.6	4/29/10	0.3	8/24/10	0.5
			O_2	11/16/09	21.6	2/11/10	21.1	4/29/10	19.9	8/24/10	18.8
	180	170–190	CO_2	11/16/09	0.5	2/11/10	0.5	4/29/10	0.3	8/24/10	0.5
			O_2	11/16/09	20.2	2/11/10	21.2	4/29/10	19.9	8/24/10	18.8
	200	190–210	CO_2	11/16/09	0.6	2/11/10	0.5	4/29/10	0.2	8/24/10	0.5
			O_2	11/16/09	20.1	2/11/10	21.3	4/29/10	19.9	8/24/10	18.8
54-02021	Ambient	Ambient	CO_2	10/28/09	0.1	2/12/10	0	4/1/10	0	7/28/10	0
			O_2	10/28/09	21.1	2/12/10	21.5	4/1/10	20.9	7/28/10	19.9
	20	10–30	CO_2	10/28/09	1.1	2/12/10	0.6	4/1/10	0.9	7/28/10	0.7
			O_2	10/28/09	20.3	2/12/10	21.2	4/1/10	20.8	7/28/10	18.9
	40	30–50	CO_2	10/28/09	0.7	2/12/10	0.6	4/1/10	0.9	7/28/10	0.6
			O_2	10/28/09	20.5	2/12/10	21.1	4/1/10	20.8	7/28/10	19
	60	50–70	CO_2	10/28/09	0.6	2/12/10	0.6	4/1/10	0	7/28/10	0.6
			O_2	10/28/09	20.7	2/12/10	21.3	4/1/10	20.8	7/28/10	18.9
	80	70–90	CO_2	10/28/09	0.5	2/12/10	0.6	4/1/10	1	7/28/10	0.6[b]
			O_2	10/28/09	20.7	2/12/10	21.4	4/1/10	20.8	7/28/10	18.9[b]
	100	90–110	CO_2	10/28/09	0.6	2/12/10	0.6	4/1/10	1	7/28/10	0.6
			O_2	10/28/09	20.4	2/12/10	21.6	4/1/10	20.9	7/28/10	18.9
	120	110–130	CO_2	10/28/09	0.5	2/12/10	0.4	4/1/10	0.9	7/28/10	0.6[c]
			O_2	10/28/09	20.7	2/12/10	21.5	4/1/10	21	7/28/10	18.8[c]
	140	130–150	CO_2	10/28/09	0.7	2/12/10	0.6	4/1/10	0.9	7/28/10	0.6
			O_2	10/28/09	20.3	2/12/10	21.2	4/1/10	20.7	7/28/10	18.9
	160	150–170	CO_2	10/28/09	0.5	2/12/10	0	4/1/10	0.8	7/28/10	0.5
			O_2	10/28/09	20	2/12/10	21.9	4/1/10	20.7	7/28/10	18.7

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02021 (cont.)	180	170–190	CO_2	10/28/09	0.7	2/12/10	0.5	4/1/10	0.9	7/28/10	0.6
			O_2	10/28/09	20	2/12/10	21.4	4/1/10	21	7/28/10	18.8
	198	190–210	CO_2	10/28/09	0.7	2/12/10	0.5	4/1/10	0.8	7/28/10	0
			O_2	10/28/09	20.3	2/12/10	21.4	4/1/10	21.1	7/28/10	19.1
54-02022	Ambient	Ambient	CO_2	10/28/09	0	1/28/10	0	4/5/10	0	8/2/10	0
			O_2	10/28/09	20.4	1/28/10	20.3	4/5/10	21.1	8/2/10	19.7
	20	17.5–22.5	CO_2	10/28/09	1.7	1/28/10	0	4/5/10	0.5	8/2/10	1.2
			O_2	10/28/09	19.1	1/28/10	20.3	4/5/10	21.6	8/2/10	18
	40	37.5–42.5	CO_2	10/28/09	1.2	1/28/10	0	4/5/10	1.3	8/2/10	0.8
			O_2	10/28/09	19.9	1/28/10	20.3	4/5/10	21.2	8/2/10	18.6
	60	57.5–62.5	CO_2	10/28/09	1.2	1/28/10	0	4/5/10	1.2	8/2/10	0.7
			O_2	10/28/09	20	1/28/10	20.2	4/5/10	21.5	8/2/10	18.9
	80	77.5–82.5	CO_2	10/28/09	1	1/28/10	0	4/5/10	1.2	8/2/10	0.6
			O_2	10/28/09	20.3	1/28/10	20.1	4/5/10	21.7	8/2/10	18.9
	100	97.5–102.5	CO_2	10/28/09	0.8	1/28/10	0[c]	4/5/10	0.8	8/2/10	0.5
			O_2	10/28/09	20.4	1/28/10	20[c]	4/5/10	22	8/2/10	19
	120	117.5–122.5	CO_2	10/28/09	1	1/28/10	0	4/5/10	1	8/2/10	0.2
			O_2	10/28/09	20.3	1/28/10	19.9	4/5/10	22	8/2/10	19.1
	140	137.5–142.5	CO_2	10/28/09	0.8	1/28/10	0	4/5/10	0.9	8/2/10	0
			O_2	10/28/09	20.4	1/28/10	20	4/5/10	22.2	8/2/10	19.4
	160	157.5–162.5	CO_2	10/28/09	0.8	1/28/10	0	4/5/10	0.9	8/2/10	0
			O_2	10/28/09	20.3	1/28/10	19.9	4/5/10	22.2	8/2/10	19.4
	180	177.5–182.5	CO_2	10/28/09	0.8	1/28/10	0	4/5/10	0.8	8/2/10	0.4
			O_2	10/28/09	20	1/28/10	19.7	4/5/10	22.4	8/2/10	19
	200	197.5–202.5	CO_2	10/28/09	0.7	1/28/10	0	4/5/10	0.7	8/2/10	0.4
			O_2	10/28/09	20	1/28/10	19.7	4/5/10	22.6	8/2/10	19

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02023	Ambient	Ambient	CO_2	11/12/09	0	2/9/10	0	4/28/10	0	8/5/10	0
			O_2	11/12/09	20.9	2/9/10	21.3	4/28/10	20.4	8/5/10	19.6
	20	10–30	CO_2	11/12/09	1.4	2/9/10	1.9	4/28/10	1.3	8/5/10	1
			O_2	11/12/09	19.4	2/9/10	19.9	4/28/10	19	8/5/10	18.3
	40	30–50	CO_2	11/12/09	1.4	2/9/10	1.8	4/28/10	1.2	8/5/10	0.9
			O_2	11/12/09	19.3	2/9/10	19.9	4/28/10	19	8/5/10	18.3
	60	50–70	CO_2	11/12/09	0.1[c]	2/9/10	0.8	4/28/10	0	8/5/10	0.5
			O_2	11/12/09	20.1[c]	2/9/10	20.4	4/28/10	20.2	8/5/10	18.5
	80	70–90	CO_2	11/12/09	1	2/9/10	1.3	4/28/10	1	8/5/10	0.7
			O_2	11/12/09	19.4	2/9/10	20.2	4/28/10	19.2	8/5/10	18.2
	100	90–110	CO_2	11/12/09	1	2/9/10	1	4/28/10	0.9	8/5/10	0.7
			O_2	11/12/09	19.4	2/9/10	20.2	4/28/10	19.3	8/5/10	17.9
	120	110–130	CO_2	11/12/09	0[b]	2/9/10	0[b]	4/28/10	NS[b]	8/5/10	0
			O_2	11/12/09	20.4[b]	2/9/10	21.1[b]	4/28/10	NS[b]	8/5/10	18.3
	140	130–149	CO_2	11/12/09	0.7	2/9/10	0.9	4/28/10	0	8/5/10	0.6
			O_2	11/12/09	19.6	2/9/10	20.4	4/28/10	20.3	8/5/10	18.2
	159	149–169	CO_2	11/12/09	0.6	2/9/10	0.8	4/28/10	0	8/5/10	0.5
			O_2	11/12/09	19.6	2/9/10	20.4	4/28/10	20.3	8/5/10	18.2
	180	170–190	CO_2	11/12/09	0	2/9/10	1[c]	4/28/10	NS[b]	8/5/10	0.8
			O_2	11/12/09	20.4	2/9/10	20.3[c]	4/28/10	NS[b]	8/5/10	17.9
	200	190–210	CO_2	11/12/09	0.6	2/9/10	0.7	4/28/10	0	8/5/10	0.4
			O_2	11/12/09	19.8	2/9/10	20.5	4/28/10	20.3	8/5/10	18.1
	Ambient	Ambient	CO_2	11/13/09	0.1	2/10/10	0	4/28/10	0	8/10/10	0
			O_2	11/13/09	20.1	2/10/10	21.1	4/28/10	20.6	8/10/10	19.9
	20	10–30	CO_2	11/13/09	0.7	2/10/10	0.6	4/28/10	0.4	8/10/10	0.7
			O_2	11/13/09	19.6	2/10/10	20.7	4/28/10	19.5	8/10/10	19

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02023 (cont.)	40	30–50	CO_2	11/13/09	0.6	2/10/10	0.7	4/28/10	0.4	8/10/10	0.7
			O_2	11/13/09	19.6	2/10/10	20.5	4/28/10	19.7	8/10/10	18.8
	60	50–70	CO_2	11/13/09	0.7	2/10/10	0.7	4/28/10	0.4	8/10/10	0.6
			O_2	11/13/09	19.4	2/10/10	20.5	4/28/10	19.7	8/10/10	18.9
	80	70–90	CO_2	11/13/09	0.6	2/10/10	0.8	4/28/10	0.4	8/10/10	0.6
			O_2	11/13/09	19.4	2/10/10	20.3	4/28/10	19.8	8/10/10	18.9
	100	90–110	CO_2	11/13/09	0.6	2/10/10	0.8	4/28/10	0.4	8/10/10	0.6
			O_2	11/13/09	19.4	2/10/10	20.2	4/28/10	19.8	8/10/10	18.7
	120	110–130	CO_2	11/13/09	0.5[b]	2/10/10	0.1[b]	4/28/10	NS[b]	8/10/10	NS[b]
			O_2	11/13/09	19.6[b]	2/10/10	20.9[b]	4/28/10	NS[b]	8/10/10	NS[b]
	140	130–150	CO_2	11/13/09	0.6	2/10/10	0.8	4/28/10	0.4	8/10/10	0.4
			O_2	11/13/09	19.4	2/10/10	20.4	4/28/10	19.8	8/10/10	19.1
	160	150–170	CO_2	11/13/09	0.6	2/10/10	0.7	4/28/10	0	8/10/10	0.5
			O_2	11/13/09	19.5	2/10/10	20.2	4/28/10	20.4	8/10/10	18.3
	180	170–190	CO_2	11/13/09	0.1	2/10/10	0	4/28/10	0.04	8/10/10	0.5
			O_2	11/13/09	19.7	2/10/10	20.7	4/28/10	19.9	8/10/10	18.2
	200	190–210	CO_2	11/13/09	0.5	2/10/10	0.6	4/28/10	0	8/10/10	0.4
			O_2	11/13/09	19.5	2/10/10	20.2	4/28/10	20.6	8/10/10	18.3
54-02025	Ambient	Ambient	CO_2	11/10/09	0	2/9/10	0	4/27/10	0	8/9/10	0
			O_2	11/10/09	16.9	2/9/10	21.2	4/27/10	21.4	8/9/10	19.5
	20	20	CO_2	11/10/09	0.5	2/9/10	0.7	4/27/10	1	8/9/10	0.5
			O_2	11/10/09	16.2	2/9/10	20.5	4/27/10	20.7	8/9/10	19
	60	60	CO_2	11/10/09	0.1	2/9/10	0.3	4/27/10	0.7	8/9/10	0.3
			O_2	11/10/09	16.4	2/9/10	20.9	4/27/10	20.9	8/9/10	19.2
	100	100	CO_2	11/10/09	0.5	2/9/10	0.9	4/27/10	1.2	8/9/10	0.5
			O_2	11/10/09	15.8	2/9/10	20.3	4/27/10	20.4	8/9/10	18.8

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02025 (cont.)	160	160	CO_2	11/10/09	0.7	2/9/10	0.7	4/27/10	1.1	8/9/10	0.5
			O_2	11/10/09	15.7	2/9/10	20.5	4/27/10	20.2	8/9/10	18.7
	190	190	CO_2	11/10/09	0.4	2/9/10	0.5	4/27/10	0.9	8/9/10	0.5
			O_2	11/10/09	16.2	2/9/10	20.6	4/27/10	20.3	8/9/10	18.7
54-02026	Ambient	Ambient	CO_2	11/12/09	0	2/5/10	0	4/29/10	0	8/10/10	0
			O_2	11/12/09	20.6	2/5/10	21.4	4/29/10	20.1	8/10/10	19.4
	20	20	CO_2	11/12/09	0.7	2/5/10	0.7	4/29/10	0.4	8/10/10	0.6
			O_2	11/12/09	19.6	2/5/10	20.9	4/29/10	19.8	8/10/10	19.1
	60	60	CO_2	11/12/09	0.7	2/5/10	0.8	4/29/10	0.3	8/10/10	0.5
			O_2	11/12/09	19.6	2/5/10	20.5	4/29/10	19.9	8/10/10	19.1
	100	100	CO_2	11/12/09	0.6	2/5/10	0	4/29/10	0.3	8/10/10	0.5
			O_2	11/12/09	19.5	2/5/10	20.8	4/29/10	19.9	8/10/10	19.1
	160	160	CO_2	11/12/09	0.5	2/5/10	0.7	4/29/10	0.3	8/10/10	0.4
			O_2	11/12/09	19.9	2/5/10	20.4	4/29/10	19.9	8/10/10	18.8
	200	200	CO_2	11/12/09	0.5	2/5/10	0.6	4/29/10	0	8/10/10	0.3
			O_2	11/12/09	19.9	2/5/10	20.4	4/29/10	20.4	8/10/10	18.8
	215	215	CO_2	11/12/09	0.4	2/5/10	0	4/29/10	0	8/10/10	0.2
			O_2	11/12/09	20	2/5/10	20.7	4/29/10	20	8/10/10	18.7
54-02027	Ambient	Ambient	CO_2	11/10/09	0.1	2/4/10	0	4/27/10	0	8/11/10	0
			O_2	11/10/09	20.5	2/4/10	21.5	4/27/10	21.8	8/11/10	19.6
	20	20	CO_2	11/10/09	0.7	2/4/10	0.6	4/27/10	0.8	8/11/10	0.5
			O_2	11/10/09	19.9	2/4/10	21.2	4/27/10	21.5	8/11/10	19.1
	60	60	CO_2	11/10/09	0.6	2/4/10	0.7	4/27/10	0.8[c]	8/11/10	0.4
			O_2	11/10/09	19.1	2/4/10	20.7	4/27/10	21.6[c]	8/11/10	18.9
	100	100	CO_2	11/10/09	0.5	2/4/10	0.6	4/27/10	0.8	8/11/10	0.4
			O_2	11/10/09	18.7	2/4/10	20.6	4/27/10	21.6	8/11/10	18.8

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02027 (cont.)	160	160	CO_2	11/10/09	0.5	2/4/10	0.6	4/27/10	0.7	8/11/10	300
			O_2	11/10/09	18.7	2/4/10	20.4	4/27/10	21.7	8/11/10	18.9
	200	200	CO_2	11/10/09	0.3	2/4/10	0.5	4/27/10	0.6	8/11/10	0.3
			O_2	11/10/09	19	2/4/10	20.4	4/27/10	21.5	8/11/10	18.9
	220	220	CO_2	11/10/09	0.2	2/4/10	0.5	4/27/10	0.6	8/11/10	0.1
			O_2	11/10/09	19.2	2/4/10	20.5	4/27/10	21.5	8/11/10	18.9
	250	250	CO_2	11/10/09	0	2/4/10	0.4	4/27/10	0.4	8/11/10	0.2
			O_2	11/10/09	19.9	2/4/10	20.5	4/27/10	21.6	8/11/10	18.9
54-02028	Ambient	Ambient	CO_2	11/16/09	0.1	2/10/10	0	4/27/10	0	8/12/10	0
			O_2	11/16/09	20.4	2/10/10	21.3	4/27/10	22.8	8/12/10	19.1
	20	20	CO_2	11/16/09	0.1	2/10/10	0.4	4/27/10	0.6	8/12/10	0.4
			O_2	11/16/09	20.5	2/10/10	21	4/27/10	22.8	8/12/10	18.2
	60	60	CO_2	11/16/09	0.5	2/10/10	0.5	4/27/10	0.6	8/12/10	0.2
			O_2	11/16/09	19.9	2/10/10	20.9	4/27/10	23	8/12/10	17.8
	100	100	CO_2	11/16/09	0.5	2/10/10	0.5	4/27/10	0.7	8/12/10	0.3
			O_2	11/16/09	20.3	2/10/10	20.8	4/27/10	21.1	8/12/10	17.9
	160	160	CO_2	11/16/09	0.3	2/10/10	0.4	4/27/10	0.7	8/12/10	0.3
			O_2	11/16/09	20.5	2/10/10	20.7	4/27/10	21	8/12/10	18.2
	200	200	CO_2	11/16/09	0	2/10/10	0.4	4/27/10	0.6	8/12/10	0.2
			O_2	11/16/09	20.6	2/10/10	20.7	4/27/10	21	8/12/10	18.2
	220	220	CO_2	11/16/09	0.3	2/10/10	0.3	4/27/10	0.6	8/12/10	0.2
			O_2	11/16/09	20.6	2/10/10	20.8	4/27/10	21	8/12/10	18.2
	250	250	CO_2	11/16/09	0	2/10/10	0.2	4/27/10	0.5	8/12/10	0.2
			O_2	11/16/09	20.9	2/10/10	20.7	4/27/10	21	8/12/10	18.2

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02031	Ambient	Ambient	CO_2	10/29/09	0.1	2/11/10	0	4/2/10	0.1	7/28/10	0
			O_2	10/29/09	20.9	1/27/10	21.4	4/2/10	21	7/28/10	19.3
	20	20	CO_2	10/29/09	2	2/11/10	1.3	4/2/10	1.7	7/28/10	1.1
			O_2	10/29/09	19.2	2/11/10	20.6	4/2/10	20.2	7/28/10	18.3
	60	60	CO_2	10/29/09	1.2	2/11/10	0.9	4/2/10	1.4	7/28/10	0.6
			O_2	10/29/09	19.7	2/11/10	20.9	4/2/10	20.2	7/28/10	18.7
	100	100	CO_2	10/29/09	1	2/11/10	0.8	4/2/10	1.1	7/28/10	0.6
			O_2	10/29/09	20.1	2/11/10	21.1	4/2/10	20.1	7/28/10	19.1
	160	160	CO_2	10/29/09	0.8	2/11/10	0.7	4/2/10	1	7/28/10	0.5
			O_2	10/29/09	19.9	2/11/10	21.1	4/2/10	20	7/28/10	19
	200	200	CO_2	10/29/09	0.7	2/11/10	0.6	4/2/10	0.9	7/28/10	0.5
			O_2	10/29/09	19.7	2/11/10	21.1	4/2/10	19.9	7/28/10	18.9
	220	220	CO_2	10/29/09	0.3	2/11/10	0.7	4/2/10	0.1	7/28/10	0.6
			O_2	10/29/09	20.1	2/11/10	21.3	4/2/10	20.2	7/28/10	19
	260	260	CO_2	10/29/09	0.7	2/11/10	0.5	4/2/10	0.9	7/28/10	0.5
			O_2	10/29/09	19.7	2/11/10	20	4/2/10	19.8	7/28/10	19.1
54-02034	Ambient	Ambient	CO_2	10/27/09	0	2/12/10	0	4/2/10	0	8/2/10	0
			O_2	10/27/09	20.5	2/12/10	21.1	4/2/10	20.5	8/2/10	19.5
	20	20	CO_2	10/27/09	2.1	2/12/10	1.9	4/2/10	1	8/2/10	1.3
			O_2	10/27/09	18.8	2/12/10	20	4/2/10	20.1	8/2/10	18
	60	60	CO_2	10/27/09	1.2	2/12/10	1	4/2/10	1.8	8/2/10	1.1
			O_2	10/27/09	19.8	2/12/10	20.2	4/2/10	19.7	8/2/10	17.9
	100	100	CO_2	10/27/09	1.1	2/12/10	0.6	4/2/10	0.6	8/2/10	0.7
			O_2	10/27/09	20.8	2/12/10	20.5	4/2/10	20.5	8/2/10	18.5
	160	160	CO_2	10/27/09	0.7	2/12/10	0.2	4/2/10	1.1	8/2/10	0.6
			O_2	10/27/09	20.9	2/12/10	20.8	4/2/10	20.2	8/2/10	18.6

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02034 (cont.)	200	200	CO_2	10/27/09	0.6	2/12/10	0	4/2/10	0.9	8/2/10	0.5
			O_2	10/27/09	20.8	2/12/10	21.1	4/2/10	20	8/2/10	18.7
	220	220	CO_2	10/27/09	0.6	2/12/10	0.3	4/2/10	0.9	8/2/10	0
			O_2	10/27/09	20.5	2/12/10	20.9	4/2/10	20.1	8/2/10	19
	260	260	CO_2	10/27/09	0.4	2/12/10	0	4/2/10	0.7	8/2/10	0.4
			O_2	10/27/09	21	2/12/10	21.3	4/2/10	20.2	8/2/10	18.6
	300	300	CO_2	10/27/09	0.2	2/12/10	0	4/2/10	0.5	8/2/10	0.2
			O_2	10/27/09	21.4	2/12/10	21.1	4/2/10	20.4	8/2/10	18.9
54-02089	Ambient	Ambient	CO_2	11/3/09	0.1	1/26/10	0.2	4/20/10	0	7/29/10	0
			O_2	11/3/09	20.9	1/26/10	21	4/20/10	22.5	7/29/10	19.1
	13	13	CO_2	11/3/09	3.7	1/26/10	3.6	4/20/10	3.5	7/29/10	2.2
			O_2	11/3/09	17.4	1/26/10	18.5	4/20/10	18.8	7/29/10	16
	31	31	CO_2	11/3/09	3.7	1/26/10	3.7	4/20/10	4	7/29/10	2.9
			O_2	11/3/09	16.1	1/26/10	18	4/20/10	17.9	7/29/10	15.4
	46	46	CO_2	11/3/09	3.6	1/26/10	4	4/20/10	4	7/29/10	0
			O_2	11/3/09	15.8	1/26/10	17.6	4/20/10	17.7	7/29/10	19.7
	86	86	CO_2	11/3/09	3.5	1/26/10	1	4/20/10	3.6	7/29/10	2.8
			O_2	11/3/09	15.8	1/26/10	21	4/20/10	18.3	7/29/10	15.9
54-24238	Ambient	Ambient	CO_2	11/3/09	0	2/19/10	0	4/21/10	0	7/27/10	0
			O_2	11/3/09	21	2/19/10	21.8	4/21/10	21.3	7/27/10	19.2
	44	43–45	CO_2	11/3/09	4.4	2/19/10	0	4/21/10	3.5	7/27/10	3
			O_2	11/3/09	14.9	2/19/10	21.1	4/21/10	17.9	7/27/10	14.6
	64	63–65	CO_2	11/3/09	3.1	2/19/10	3.4	4/21/10	3.7	7/27/10	2.5
			O_2	11/3/09	16.2	2/19/10	17	4/21/10	17.7	7/27/10	15.1
	84	83–85	CO_2	11/3/09	3.1	2/19/10	3.2	4/21/10	2.9	7/27/10	2.1
			O_2	11/3/09	16.2	2/19/10	17.5	4/21/10	18.3	7/27/10	15.5

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24239	Ambient	Ambient	CO_2	11/2/09	0	2/12/10	0	4/19/10	0	7/29/10	0
			O_2	11/2/09	20.9	2/12/10	21.5	4/19/10	21.6	7/29/10	19.6
	25	24–26	CO_2	11/2/09	1.5	2/12/10	1.5	4/19/10	1.9	7/29/10	1
			O_2	11/2/09	19.1	2/12/10	20.5	4/19/10	20.5	7/29/10	18.2
	50	49–51	CO_2	11/2/09	1.5	2/12/10	1.7	4/19/10	2	7/29/10	1
			O_2	11/2/09	18.7	2/12/10	20.2	4/19/10	20.2	7/29/10	17.9
	75	74–76	CO_2	11/2/09	1.4	2/12/10	1.7	4/19/10	1.9	7/29/10	1
			O_2	11/2/09	18.6	2/12/10	20.3	4/19/10	20.2	7/29/10	17.8
	99.5	98.5–100.5	CO_2	11/2/09	1.3	2/12/10	1.2	4/19/10	1.3	7/29/10	1
			O_2	11/2/09	18.1	2/12/10	20.8	4/19/10	20.4	7/29/10	17.7
54-24240	Ambient	Ambient	CO_2	11/2/09	0	2/12/10	0	4/19/10	0	8/3/10	0
			O_2	11/2/09	18.6	2/12/10	21.4	4/19/10	21.3	8/3/10	19.9
	28	27–29	CO_2	11/2/09	1.9	2/12/10	2.1	4/19/10	2.5	8/3/10	1.3
			O_2	11/2/09	15.2	2/12/10	19.6	4/19/10	19.3	8/3/10	17.7
	53	52–54	CO_2	11/2/09	1.9	2/12/10	2.5	4/19/10	2.5	8/3/10	1.1
			O_2	11/2/09	14.8	2/12/10	19.4	4/19/10	19.1	8/3/10	17.8
	78	77–79	CO_2	11/2/09	1.5	2/12/10	2	4/19/10	2.1	8/3/10	0.8
			O_2	11/2/09	15.6	2/12/10	19.9	4/19/10	19.4	8/3/10	18.3
	103	102–104	CO_2	11/2/09	1.1	2/12/10	1.5	4/19/10	1.7	8/3/10	0.6
			O_2	11/2/09	16.2	2/12/10	20.3	4/19/10	19.9	8/3/10	18.4
	128	127–129	CO_2	11/2/09	0.7	2/12/10	1.3	4/19/10	1.5	8/3/10	0.6
			O_2	11/2/09	17.1	2/12/10	20.5	4/19/10	20.2	8/3/10	18.5
	153	152–154	CO_2	11/2/09	0.6	2/12/10	1	4/19/10	1.3	8/3/10	0.5
			O_2	11/2/09	17.8	2/12/10	20.8	4/19/10	20.2	8/3/10	18.4

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24241	Ambient	Ambient	CO_2	11/2/09	0	2/11/10	0	4/20/10	0	8/3/10	0
			O_2	11/2/09	20.4	2/11/10	21.4	4/20/10	21.3	8/3/10	19.5
	73	71–74	CO_2	11/2/09	1.8	2/11/10	1	4/20/10	2.4	8/3/10	1.5
			O_2	11/2/09	17.4	2/11/10	20.2	4/20/10	19	8/3/10	16.9
	93	92–94	CO_2	11/2/09	1.5	2/11/10	1.2	4/20/10	2.2	8/3/10	1.3
			O_2	11/2/09	17.9	2/11/10	20.1	4/20/10	19.3	8/3/10	17.4
	113	112–114	CO_2	11/2/09	1.4	2/11/10	1.6	4/20/10	1	8/3/10	1.2
			O_2	11/2/09	17.9	2/11/10	19.7	4/20/10	20.3	8/3/10	17.5
	133	132–134	CO_2	11/2/09	0.7	2/11/10	1.2	4/20/10	1.6	8/3/10	0.9
			O_2	11/2/09	19.1	2/11/10	20.2	4/20/10	19.9	8/3/10	17.8
	153	152–154	CO_2	11/2/09	0.8	2/11/10	1	4/20/10	1.4	8/3/10	0.8
			O_2	11/2/09	19.1	2/11/10	20.4	4/20/10	19.9	8/3/10	18.1
	173	172–174	CO_2	11/2/09	0.8	2/11/10	1	4/20/10	0.7	8/3/10	0.8
			O_2	11/2/09	19.1	2/11/10	20.5	4/20/10	20.7	8/3/10	18.1
	193	192–194	CO_2	11/2/09	1.1	2/11/10	1.1	4/20/10	1.4	8/3/10	0.8
			O_2	11/2/09	18.8	2/11/10	20.4	4/20/10	20.2	8/3/10	18.1
54-24242	Ambient	Ambient	CO_2	11/2/09	0	2/12/10	0	4/20/10	0	8/4/10	0
			O_2	11/2/09	21.2	2/12/10	21.5	4/20/10	21.7	8/4/10	19.6
	25	24–26	CO_2	11/2/09	1.4	2/12/10	1.3	4/20/10	1.5	8/4/10	1
			O_2	11/2/09	18.8	2/12/10	20.2	4/20/10	20.6	8/4/10	17.8
	50	49–51	CO_2	11/2/09	1.2	2/12/10	1.2	4/20/10	1.9	8/4/10	1.1
			O_2	11/2/09	18.6	2/12/10	20.7	4/20/10	20.4	8/4/10	17.6
	75	74–76	CO_2	11/2/09	1.3	2/12/10	1.3	4/20/10	1.9	8/4/10	1.1
			O_2	11/2/09	18.1	2/12/10	20.5	4/20/10	20.5	8/4/10	17.3
	100	99–101	CO_2	11/2/09	1.3	2/12/10	1.6	4/20/10	1.7	8/4/10	1
			O_2	11/2/09	18.2	2/12/10	20.3	4/20/10	21	8/4/10	17.8

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24242 (cont.)	110.5	109.5–111.5	CO_2	11/2/09	0.9	2/12/10	0.9	4/20/10	1.9	8/4/10	1
			O_2	11/2/09	18.7	2/12/10	20.9	4/20/10	20.4	8/4/10	17.9
54-24243	Ambient	Ambient	CO_2	11/12/09	0.1	2/10/10	0	4/26/10	0	8/12/10	0
			O_2	11/12/09	20.6	2/10/10	21.2	4/26/10	21.4	8/12/10	19.4
	25	24–26	CO_2	11/12/09	2	2/10/10	1.9	4/26/10	2	8/12/10	1.3
			O_2	11/12/09	18.6	2/10/10	19.5	4/26/10	19.7	8/12/10	17.7
	50	49–51	CO_2	11/12/09	2.5	2/10/10	2.6	4/26/10	2.3	8/12/10	1.7
			O_2	11/12/09	17.7	2/10/10	18.4	4/26/10	19.3	8/12/10	16.8
	75	74–76	CO_2	11/12/09	2.2	2/10/10	2.5	4/26/10	1.9	8/12/10	1.7
			O_2	11/12/09	17.7	2/10/10	18.6	4/26/10	19.5	8/12/10	16.8
	100	99–101	CO_2	11/12/09	1.9	2/10/10	2.3	4/26/10	0.9	8/12/10	1.5
			O_2	11/12/09	18.1	2/10/10	18.9	4/26/10	20.4	8/12/10	17.5
	125	124–126	CO_2	11/12/09	1.8	2/10/10	2	4/26/10	0	8/12/10	1.1
			O_2	11/12/09	18.5	2/10/10	19.1	4/26/10	21.3	8/12/10	17.4
54-24399	Ambient	Ambient	CO_2	12/7/09	0	3/2/10	0	4/21/10	0	8/17/10	0
			O_2	12/7/09	20.1	3/2/10	21.5	4/21/10	21.5	8/17/10	19.6
	550	550–608	CO_2	12/7/09	0.2	3/2/10	0	4/21/10	0.2	8/17/10	0
			O_2	12/7/09	19.8	3/2/10	21.1	4/21/10	21.5	8/17/10	19.5
54-27641	Ambient	Ambient	CO_2	11/3/09	0.1	2/12/10	0	4/16/10	0	7/29/10	0
			O_2	11/3/09	20.6	2/12/10	21.5	4/16/10	22.3	7/29/10	20
	32	29.5–34.5	CO_2	11/3/09	1.9	2/12/10	1.6	4/16/10	1.7	7/29/10	1.1
			O_2	11/3/09	18.8	2/12/10	20.1	4/16/10	20.9	7/29/10	18.5
	82	79.5–84.5	CO_2	11/3/09	1.4	2/12/10	1.2	4/16/10	1.5	7/29/10	0.8
			O_2	11/3/09	19.2	2/12/10	20.4	4/16/10	20.9	7/29/10	18.7
	115	112.5–117.5	CO_2	11/3/09	1.2	2/12/10	0.6	4/16/10	0	7/29/10	0.6
			O_2	11/3/09	19.4	2/12/10	20.8	4/16/10	22	7/29/10	18.5

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-27641 (cont.)	182	179.5–184.5	CO_2	11/3/09	0.9	2/12/10	0.4	4/16/10	0.9	7/29/10	0.6
			O_2	11/3/09	19.6	2/12/10	21.1	4/16/10	21.2	7/29/10	18.7
	232	229.5–234.5	CO_2	11/3/09	0.7	2/12/10	0.2	4/16/10	0.8	7/29/10	0.6
			O_2	11/3/09	19.7	2/12/10	21.4	4/16/10	21.2	7/29/10	18.7
	271	268.5–273.5	CO_2	11/3/09	0.6	2/12/10	0	4/16/10	0.6	7/29/10	0.5
			O_2	11/3/09	20	2/12/10	21.6	4/16/10	21.3	7/29/10	18.8
	332.5	330–335	CO_2	11/3/09	0.2	2/12/10	0	4/16/10	0.4	7/29/10	0.2
			O_2	11/3/09	20.1	2/12/10	21.6	4/16/10	21.6	7/29/10	18.9
54-27642	Ambient	Ambient	CO_2	11/9/09	0.1	1/26/10	0	4/16/10	0	7/27/10	0
			O_2	11/9/09	20.5	1/26/10	20.3	4/16/10	22.3	7/27/10	19.9
	30	27.5–32.5	CO_2	11/9/09	2.5	1/26/10	2.3	4/16/10	2.6	7/27/10	1.7
			O_2	11/9/09	17.8	1/26/10	19.1	4/16/10	19.5	7/27/10	17.4
	75	71.5–76.5	CO_2	11/9/09	0.1	1/26/10	1.7	4/16/10	2.4	7/27/10	0.4
			O_2	11/9/09	20.5	1/26/10	19.8	4/16/10	20	7/27/10	18.4
	116	114.5–119.5	CO_2	11/9/09	2.8	1/26/10	3.2	4/16/10	3.1	7/27/10	1.7
			O_2	11/9/09	17.1	1/26/10	17.6	4/16/10	18.9	7/27/10	16.3
	175	172.5–177.5	CO_2	11/9/09	1.2	1/26/10	1.7	4/16/10	1.4	7/27/10	0.8
			O_2	11/9/09	19.2	1/26/10	19.2	4/16/10	21	7/27/10	18.4
	235	232.5–237.5	CO_2	11/9/09	0.9	1/26/10	1.3	4/16/10	1.1	7/27/10	0.7
			O_2	11/9/09	19.3	1/26/10	19.6	4/16/10	21.5	7/27/10	18.5
	275	272.5–277.5	CO_2	11/9/09	0.6	1/26/10	0.9	4/16/10	0.8	7/27/10	0.5
			O_2	11/9/09	19.6	1/26/10	19.8	4/16/10	21.9	7/27/10	18.6
	338	335.5–340.5	CO_2	11/9/09	0.4	1/26/10	0.5	4/16/10	0.4	7/27/10	0.2
			O_2	11/9/09	20	1/26/10	20.2	4/16/10	22.4	7/27/10	19

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-27643	Ambient	Ambient	CO_2	11/10/09	0	2/9/10	0.3	4/26/10	0	8/16/10	0
			O_2	11/10/09	17.1	2/9/10	21.1	4/26/10	23.3	8/16/10	19.5
	30	27.5–32.5	CO_2	11/10/09	1.1	2/9/10	1	4/26/10	1	8/16/10	0.8
			O_2	11/10/09	16.9	2/9/10	20.2	4/26/10	22	8/16/10	18.3
	74	71.5–76.5	CO_2	11/10/09	0.9	2/9/10	1.4	4/26/10	1.2	8/16/10	0.8
			O_2	11/10/09	15.8	2/9/10	20	4/26/10	21.8	8/16/10	18.4
	117	114.5–119.5	CO_2	11/10/09	0.7	2/9/10	1	4/26/10	1.2	8/16/10	0.7
			O_2	11/10/09	16.2	2/9/10	20.1	4/26/10	21.5	8/16/10	18.5
	167	164.5–169.5	CO_2	11/10/09	0.6	2/9/10	0.9	4/26/10	1	8/16/10	0.6
			O_2	11/10/09	16.6	2/9/10	20.4	4/26/10	21.5	8/16/10	18.6
	235	232.5–237.5	CO_2	11/10/09	0.5	2/9/10	0	4/26/10	0.8	8/16/10	0.5
			O_2	11/10/09	17.8	2/9/10	21.1	4/26/10	21.7	8/16/10	18.8
	275	272.5–277.5	CO_2	11/10/09	0.5	2/9/10	0	4/26/10	0.7	8/16/10	0.4
			O_2	11/10/09	18.8	2/9/10	21	4/26/10	21.7	8/16/10	18.9
	354	351.5–356.5	CO_2	11/10/09	0.3	2/9/10	0	4/26/10	0.4	8/16/10	0.2
			O_2	11/10/09	19.3	2/9/10	21.1	4/26/10	21.7	8/16/10	19.1
54-610786	Ambient	Ambient	CO_2	12/22/09	0	2/5/10	0	4/26/10	0	8/20/10	0
			O_2	12/22/09	20.1	2/5/10	21.5	4/26/10	22,200	8/20/10	18,900
	25	22.5–27.5	CO_2	12/22/09	1.1	2/5/10	0.8	4/26/10	1200	8/20/10	700
			O_2	12/22/09	20	2/5/10	20.7	4/26/10	21,000	8/20/10	18,100
	50	47.5–52.5	CO_2	12/22/09	1.3	2/5/10	1.5	4/26/10	1500	8/20/10	700
			O_2	12/22/09	19.2	2/5/10	20.3	4/26/10	20,500	8/20/10	17,900

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-610786 (cont.)	75	72.5–77.5	CO_2	12/22/09	0	2/5/10	1.4	4/26/10	1400	8/20/10	700
			O_2	12/22/09	18.8	2/5/10	20.6	4/26/10	20,600	8/20/10	18,000
	100	97.5–102.5	CO_2	12/22/09	0	2/5/10	1.2	4/26/10	1300	8/20/10	700
			O_2	12/22/09	19.1	2/5/10	20.7	4/26/10	20,800	8/20/10	17,800
	118.5	116–121	CO_2	12/22/09	0.4	2/5/10	1	4/26/10	1200	8/20/10	700
			O_2	12/22/09	19.2	2/5/10	20.7	4/26/10	21,200	8/20/10	17,900

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

[a] NS = Not sampled.

[b] Blocked port

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

Table 4.0-2
Field-Screening Results Using a B&K Multigas Analyzer at MDA L, Fourth Quarter FY2010 and Three Previous Quarters

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015	Ambient	Ambient	CO_2 (µg/m^3)	11/17/09	891,000	NS[a]	NS	5/4/10	802,000	8/19/10	835,000
			Freon-11 (µg/m^3)	11/17/09	130	NS	NS	5/4/10	–57	8/19/10	172
			H_2O (µg/m^3)	11/17/09	5,270,000	NS	NS	5/4/10	52.9[b]	8/19/10	17,500,000
			PCE (µg/m^3)	11/17/09	4630	NS	NS	5/4/10	1340	8/19/10	–50
			Pressure differential (kPa)	11/17/09	0	NS	NS	5/4/10	0	8/19/10	NS
			TCA (µg/m^3)	11/17/09	2690	NS	NS	5/4/10	437	8/19/10	–4400
			TCE (µg/m^3)	11/17/09	1960	NS	NS	5/4/10	580	8/19/10	–1000
	37.6	36–46	CO_2 (µg/m^3)	11/17/09	3,390,000	NS	NS	5/4/10	2,960,000	8/19/10	4,270,000
			Freon-11 (µg/m^3)	11/17/09	–423	NS	NS	5/4/10	225	8/19/10	619
			H_2O (µg/m^3)	11/17/09	10,400,000	NS	NS	5/4/10	48.8[b]	8/19/10	15,000,000
			PCE (µg/m^3)	11/17/09	5050	NS	NS	5/4/10	3240	8/19/10	2910
			Pressure differential (kPa)	11/17/09	0.05	NS	NS	5/4/10	0	8/19/10	0.04
			TCA (µg/m^3)	11/17/09	–3000	NS	NS	5/4/10	13100	8/19/10	–4000
			TCE (µg/m^3)	11/17/09	8120	NS	NS	5/4/10	1290	8/19/10	2370
	165.4	182–192	CO_2 (µg/m^3)	11/17/09	2,980,000	NS	NS	5/4/10	2,890,000	8/19/10	5,270,000
			Freon-11 (µg/m^3)	11/17/09	1930	NS	NS	5/4/10	564	8/19/10	2300
			H_2O (µg/m^3)	11/17/09	11,300,000	NS	NS	5/4/10	52.2[b]	8/19/10	16,200,000
			PCE (µg/m^3)	11/17/09	7350	NS	NS	5/4/10	5100	8/19/10	10,000
			Pressure differential (kPa)	11/17/09	–0.2	NS	NS	5/4/10	–0.3	8/19/10	0.14
			TCA (µg/m^3)	11/17/09	–3800	NS	NS	5/4/10	11,300	8/19/10	13,300
			TCE (µg/m^3)	11/17/09	473	NS	NS	5/4/10	3580	8/19/10	8690
	308.3	340–352	CO_2 (µg/m^3)	11/17/09	3,860,000	NS	NS	5/4/10	3,430,000	8/19/10	3,940,000
			Freon-11 (µg/m^3)	11/17/09	–418	NS	NS	5/4/10	368	8/19/10	–1200
			H_2O (µg/m^3)	11/17/09	12,300,000	NS	NS	5/4/10	55.4[b]	8/19/10	14,600,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015 (cont.)	308.3	340–352	PCE (µg/m^3)	11/17/09	5610	NS	NS	5/4/10	11,400	8/19/10	750
			Pressure differential (kPa)	11/17/09	0	NS	NS	5/4/10	0	8/19/10	0
			TCA (µg/m^3)	11/17/09	–7300	NS	NS	5/4/10	5760	8/19/10	–9700
			TCE (µg/m^3)	11/17/09	9240	NS	NS	5/4/10	4550	8/19/10	5790
	333.3	375–385	CO_2 (µg/m^3)	11/17/09	3,090,000	NS	NS	5/4/10	2,510,000	8/19/10	2,450,000
			Freon-11 (µg/m^3)	11/17/09	–281	NS	NS	5/4/10	–477	8/19/10	211
			H_2O (µg/m^3)	11/17/09	14,600,000	NS	NS	5/4/10	52.8[b]	8/19/10	13,900,000
			PCE (µg/m^3)	11/17/09	3410	NS	NS	5/4/10	568	8/19/10	–162
			Pressure differential (kPa)	11/17/09	0	NS	NS	5/4/10	0.14	8/19/10	0.03
			TCA (µg/m^3)	11/17/09	–5700	NS	NS	5/4/10	4100	8/19/10	–5200
			TCE (µg/m^3)	11/17/09	4000	NS	NS	5/4/10	1930	8/19/10	–744
	377.7	425–435	CO_2 (µg/m^3)	11/17/09	3,030,000	NS	NS	5/4/10	2,620,000	8/19/10	2,560,000
			Freon-11 (µg/m^3)	11/17/09	–162	NS	NS	5/4/10	–568	8/19/10	–375
			H_2O (µg/m^3)	11/17/09	13,900,000	NS	NS	5/4/10	53[b]	8/19/10	13,600,000
			PCE (µg/m^3)	11/17/09	2570	NS	NS	5/4/10	455	8/19/10	–1300
			Pressure differential (kPa)	11/17/09	0	NS	NS	5/4/10	0.02	8/19/10	0.03
			TCA (µg/m^3)	11/17/09	–5400	NS	NS	5/4/10	6080	8/19/10	–4400
			TCE (µg/m^3)	11/17/09	3060	NS	NS	5/4/10	1520	8/19/10	1710
	426.5	480–490	CO_2 (µg/m^3)	11/17/09	2,630,000	NS	NS	5/4/10	2,140,000	8/19/10	2,300,000
			Freon-11 (µg/m^3)	11/17/09	–109	NS	NS	5/4/10	–253	8/19/10	343
			H_2O (µg/m^3)	11/17/09	13,200,000	NS	NS	5/4/10	52.6[b]	8/19/10	13,800,000
			PCE (µg/m^3)	11/17/09	2270	NS	NS	5/4/10	2060	8/19/10	153
			Pressure differential (kPa)	11/17/09	0	NS	NS	5/4/10	0.08	8/19/10	0.02

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015 (cont.)	426.5	480–490	TCA (µg/m^3)	11/17/09	–4500	NS	NS	5/4/10	5330	8/19/10	–2400
			TCE (µg/m^3)	11/17/09	2580	NS	NS	5/4/10	1080	8/19/10	–628
	462.1	520–530	CO_2 (µg/m^3)	11/17/09	2,460,000	NS	NS	5/4/10	2,230,000	8/19/10	2,420,000
			Freon-11 (µg/m^3)	11/17/09	–281	NS	NS	5/4/10	–384	8/19/10	18.7
			H_2O (µg/m^3)	11/17/09	10,700,000	NS	NS	5/4/10	58.3[b]	8/19/10	23,800,000
			PCE (µg/m^3)	11/17/09	2210	NS	NS	5/4/10	1640	8/19/10	–881
			Pressure differential (kPa)	11/17/09	0	NS	NS	5/4/10	0	8/19/10	0
			TCA (µg/m^3)	11/17/09	–3200	NS	NS	5/4/10	5760	8/19/10	–6700
			TCE (µg/m^3)	11/17/09	2550	NS	NS	5/4/10	17,100	8/19/10	–1900
54-01016	Ambient	Ambient	CO_2 (µg/m^3)	11/17/09	980,000	2/1/10	962,000[c]	5/5/10	796,000	8/24/10	826,000
			Freon-11 (µg/m^3)	11/17/09	190	2/1/10	204[c]	5/5/10	–83	8/24/10	390
			H_2O (µg/m^3)	11/17/09	4,950,000	2/1/10	4,500,000[c]	5/5/10	5,880,000	8/24/10	23,600,000
			PCE (µg/m^3)	11/17/09	1790	2/1/10	4640[c]	5/5/10	1210	8/24/10	–2300
			Pressure differential (kPa)	11/17/09	0	2/1/10	NS[c]	5/5/10	0	8/24/10	0
			TCA (µg/m^3)	11/17/09	–2800	2/1/10	–3700[c]	5/5/10	666,000	8/24/10	–6400
			TCE (µg/m^3)	11/17/09	4270	2/1/10	2910[c]	5/5/10	1810	8/24/10	–3300
	30.8	30–40	CO_2 (µg/m^3)	11/17/09	5,310,000	2/1/10	923,000[c]	5/5/10	4,110,000	8/24/10	4,300,000
			Freon-11 (µg/m^3)	11/17/09	2160	2/1/10	130[c]	5/5/10	1810	8/24/10	1940
			H_2O (µg/m^3)	11/17/09	10,900,000	2/1/10	4,980,000[c]	5/5/10	11,300,000	8/24/10	16,100,000
			PCE (µg/m^3)	11/17/09	13,700	2/1/10	3930[c]	5/5/10	11,600	8/24/10	8330
			Pressure differential (kPa)	11/17/09	0	2/1/10	0[c]	5/5/10	–0.1	8/24/10	–0.13
			TCA (µg/m^3)	11/17/09	–5500	2/1/10	–3600[c]	5/5/10	10,700	8/24/10	3940
			TCE (µg/m^3)	11/17/09	10,500	2/1/10	2250[c]	5/5/10	6580	8/24/10	5150

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01016 (cont.)	162.2	178–190	CO_2 (µg/m^3)	11/17/09	8,820,000	2/1/10	926,000[c]	5/5/10	8,040,000	8/24/10	8,240,000
			Freon-11 (µg/m^3)	11/17/09	20500	2/1/10	41.4[c]	5/5/10	18,700	8/24/10	20,100
			H_2O (µg/m^3)	11/17/09	14,000,000	2/1/10	5,040,000[c]	5/5/10	22,400,000	8/24/10	20,200,000
			PCE (µg/m^3)	11/17/09	83,100	2/1/10	3160[c]	5/5/10	81,900	8/24/10	84,300
			Pressure differential (kPa)	11/17/09	0	2/1/10	0[c]	5/5/10	0	8/24/10	0
			TCA (µg/m^3)	11/17/09	92,500	2/1/10	–2900[c]	5/5/10	134,000	8/24/10	130,000
			TCE (µg/m^3)	11/17/09	47,200	2/1/10	2870[c]	5/5/10	43,600	8/24/10	46,400
	274.7	318–324	CO_2 (µg/m^3)	11/17/09	4,170,000	2/1/10	896,000[c]	5/5/10	4,000,000	8/24/10	3,690,000
			Freon-11 (µg/m^3)	11/17/09	2340	2/1/10	142[c]	5/5/10	3490	8/24/10	2510
			H_2O (µg/m^3)	11/17/09	15,100,000	2/1/10	4,780,000[c]	5/5/10	18,100,000	8/24/10	15,800,000
			PCE (µg/m^3)	11/17/09	15,000	2/1/10	3670[c]	5/5/10	16,400	8/24/10	9450
			Pressure differential (kPa)	11/17/09	0	2/1/10	0[c]	5/5/10	0	8/24/10	0
			TCA (µg/m^3)	11/17/09	–11,000	2/1/10	–3000[c]	5/5/10	4500	8/24/10	3440
			TCE (µg/m^3)	11/17/09	9240	2/1/10	2340[c]	5/5/10	5940	8/24/10	4300
	336.3	386–396	CO_2 (µg/m^3)	11/17/09	1,190,000	2/1/10	907,000[c]	5/5/10	1,430,000	8/24/10	814,000
			Freon-11 (µg/m^3)	11/17/09	–821	2/1/10	93.6[c]	5/5/10	–437	8/24/10	–42
			H_2O (µg/m^3)	11/17/09	16,300,000	2/1/10	4,980,000[c]	5/5/10	22,300,000	8/24/10	14,200,000
			PCE (µg/m^3)	11/17/09	2250	2/1/10	3280[c]	5/5/10	691	8/24/10	–1700
			Pressure differential (kPa)	11/17/09	0	2/1/10	0[c]	5/5/10	0	8/24/10	0
			TCA (µg/m^3)	11/17/09	–6900	2/1/10	–2700[c]	5/5/10	–551	8/24/10	–4200
			TCE (µg/m^3)	11/17/09	5730	2/1/10	2180[c]	5/5/10	1570	8/24/10	–922
	414.3	473–483	CO_2 (µg/m^3)	11/17/09	NS	2/1/10	914,000[c]	5/5/10	880,000	8/24/10	NS
			Freon-11 (µg/m^3)	11/17/09	NS	2/1/10	108[c]	5/5/10	376	8/24/10	NS
			H_2O (µg/m^3)	11/17/09	NS	2/1/10	4,870,000[c]	5/5/10	9,630,000	8/24/10	NS
			PCE (µg/m^3)	11/17/09	NS	2/1/10	2970[c]	5/5/10	1400	8/24/10	NS

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01016 (cont.)	414.3	473–483	Pressure differential (kPa)	11/17/09	0[d]	2/1/10	0[c]	5/5/10	0	8/24/10	0[d]
			TCA (µg/m^3)	11/17/09	NS	2/1/10	–2900[c]	5/5/10	308	8/24/10	NS
			TCE (µg/m^3)	11/17/09	NS	2/1/10	2080[c]	5/5/10	–133	8/24/10	NS
	459.5	530–540	CO_2 (µg/m^3)	11/17/09	NS	2/1/10	893,000[c]	5/5/10	865,000	8/24/10	NS
			Freon-11 (µg/m^3)	11/17/09	NS	2/1/10	89.2[c]	5/5/10	65,800	8/24/10	NS
			H_2O (µg/m^3)	11/17/09	NS	2/1/10	4,790,000[c]	5/5/10	7,650,000	8/24/10	NS
			PCE (µg/m^3)	11/17/09	NS	2/1/10	2190[c]	5/5/10	984	8/24/10	NS
			Pressure differential (kPa)	11/17/09	0[d]	2/1/10	0[c]	5/5/10	0	8/24/10	0[d]
			TCA (µg/m^3)	11/17/09	NS	2/1/10	–1800[c]	5/5/10	840,000	8/24/10	NS
			TCE (µg/m^3)	11/17/09	NS	2/1/10	2380[c]	5/5/10	748	8/24/10	NS
	517.6	592–602	CO_2 (µg/m^3)	11/17/09	1,010,000	2/1/10	965,000[c]	5/5/10	919,000	8/24/10	791,000
			Freon-11 (µg/m^3)	11/17/09	87.5	2/1/10	19.3[c]	5/5/10	961,000	8/24/10	339
			H_2O (µg/m^3)	11/17/09	7,500,000	2/1/10	5,120,000[c]	5/5/10	21,000,000	8/24/10	14,600,000
			PCE (µg/m^3)	11/17/09	3700	2/1/10	2440[c]	5/5/10	2280	8/24/10	–1800
			Pressure differential (kPa)	11/17/09	0	2/1/10	0[c]	5/5/10	0	8/24/10	0
			TCA (µg/m^3)	11/17/09	–1500	2/1/10	–2800[c]	5/5/10	1430	8/24/10	–1800
			TCE (µg/m^3)	11/17/09	3130	2/1/10	2010[c]	5/5/10	838	8/24/10	–947
54-02001	Ambient	Ambient	CO_2 (µg/m^3)	10/27/09	956,000	1/28/10	1,020,000	4/5/10	927,000	8/4/10	868,000
			Freon-11 (µg/m^3)	10/27/09	1340	1/28/10	11	4/5/10	–1400	8/4/10	–944
			H_2O (µg/m^3)	10/27/09	6,110,000	1/28/10	7,520,000	4/5/10	31[b]	8/4/10	14,700,000
			PCE (µg/m^3)	10/27/09	–5800	1/28/10	3420	4/5/10	–2600	8/4/10	–3100
			Pressure differential (kPa)	10/27/09	0	1/28/10	0	4/5/10	0	8/4/10	0
			TCA (µg/m^3)	10/27/09	3900	1/28/10	–6100	4/5/10	–233	8/4/10	–5000
			TCE (µg/m^3)	10/27/09	8690	1/28/10	2840	4/5/10	4160	8/4/10	7.67

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001 (cont.)	20	17.5–22.5	CO_2 (µg/m^3)	10/27/09	18,700,000	1/28/10	2,680,000	4/5/10	1,110,000	8/4/10	20,000,000
			Freon-11 (µg/m^3)	10/27/09	22,900	1/28/10	2060	4/5/10	14,400	8/4/10	23,200
			H_2O (µg/m^3)	10/27/09	13,600,000	1/28/10	7,500,000	4/5/10	73.3[b]	8/4/10	18,600,000
			PCE (µg/m^3)	10/27/09	159,000	1/28/10	21,900	4/5/10	888,000	8/4/10	216,000
			Pressure differential (kPa)	10/27/09	0.1	1/28/10	0	4/5/10	0.02	8/4/10	0
			TCA (µg/m^3)	10/27/09	717,000	1/28/10	65,800	4/5/10	763,000	8/4/10	794,000
			TCE (µg/m^3)	10/27/09	413,000	1/28/10	56,100	4/5/10	1,000,000	8/4/10	706,000
	40	37.5–42.5	CO_2 (µg/m^3)	10/27/09	17,500,000	1/28/10	8,690,000	4/5/10	2,380,000	8/4/10	15,100,000
			Freon-11 (µg/m^3)	10/27/09	22,300	1/28/10	10,700	4/5/10	2620	8/4/10	25,400
			H_2O (µg/m^3)	10/27/09	1,5400,000	1/28/10	6,860,000	4/5/10	81.4[b]	8/4/10	15,500,000
			PCE (µg/m^3)	10/27/09	262,000	1/28/10	124,000	4/5/10	229,000	8/4/10	261,000
			Pressure differential (kPa)	10/27/09	0	1/28/10	0	4/5/10	0	8/4/10	0
			TCA (µg/m^3)	10/27/09	1,170,000	1/28/10	479,000	4/5/10	109,000	8/4/10	1,000,000
			TCE (µg/m^3)	10/27/09	377,000	1/28/10	206,000	4/5/10	151,000	8/4/10	450,000
	60	57.5–62.5	CO_2 (µg/m^3)	10/27/09	6,180,000	1/28/10	1,270,000	4/5/10	1,360,000	8/4/10	NS
			Freon-11 (µg/m^3)	10/27/09	6430	1/28/10	838	4/5/10	158,000	8/4/10	NS
			H_2O (µg/m^3)	10/27/09	10,200,000	1/28/10	5,980,000	4/5/10	86[b]	8/4/10	NS
			PCE (µg/m^3)	10/27/09	85,600	1/28/10	9250	4/5/10	1,680,000	8/4/10	NS
			Pressure differential (kPa)	10/27/09	0.11	1/28/10	0.08	4/5/10	0.03	8/4/10	0
			TCA (µg/m^3)	10/27/09	365,000	1/28/10	13,800	4/5/10	514,000	8/4/10	NS
			TCE (µg/m^3)	10/27/09	97,700	1/28/10	7930	4/5/10	–79,000	8/4/10	NS
	80	77.5–82.5	CO_2 (µg/m^3)	10/27/09	15,000,000	1/28/10	1,110,000	4/5/10	1,600,000	8/4/10	16,000,000
			Freon-11 (µg/m^3)	10/27/09	19,200	1/28/10	–125	4/5/10	21,200	8/4/10	25,400
			H_2O (µg/m^3)	10/27/09	14,400,000	1/28/10	6,590,000	4/5/10	59.5[b]	8/4/10	16,600,000
			PCE (µg/m^3)	10/27/09	209,000	1/28/10	4390	4/5/10	264,000	8/4/10	289,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001 (cont.)	80	77.5–82.5	Pressure differential (kPa)	10/27/09	0.36	1/28/10	0.07	4/5/10	0.02	8/4/10	–0.04
			TCA (µg/m^3)	10/27/09	1,050,000	1/28/10	–2900	4/5/10	1,230,000	8/4/10	1,160,000
			TCE (µg/m^3)	10/27/09	249,000	1/28/10	3460	4/5/10	360,000	8/4/10	374,000
	100	97.5–102.5	CO_2 (µg/m^3)	10/27/09	12,500,000	1/28/10	1,020,000	4/5/10	7,070,000	8/4/10	10,300,000
			Freon-11 (µg/m^3)	10/27/09	12,200	1/28/10	280	4/5/10	8310	8/4/10	5640
			H_2O (µg/m^3)	10/27/09	12,800,000	1/28/10	5,920,000	4/5/10	57.5[b]	8/4/10	23,200,000
			PCE (µg/m^3)	10/27/09	149,000	1/28/10	5250	4/5/10	96,100	8/4/10	70,600
			Pressure differential (kPa)	10/27/09	0.15	1/28/10	0.05	4/5/10	0.07	8/4/10	0
			TCA (µg/m^3)	10/27/09	843,000	1/28/10	1010	4/5/10	593,000	8/4/10	294,000
			TCE (µg/m^3)	10/27/09	188,000	1/28/10	3370	4/5/10	110,000	8/4/10	133,000
	120	117.5–122.5	CO_2 (µg/m^3)	10/27/09	12,500,000	1/28/10	959,000	4/5/10	823,000	8/4/10	1,610,000
			Freon-11 (µg/m^3)	10/27/09	14,100	1/28/10	78.7	4/5/10	305	8/4/10	1240
			H_2O (µg/m^3)	10/27/09	12,900,000	1/28/10	6,530,000	4/5/10	56.4[b]	8/4/10	15,100,000
			PCE (µg/m^3)	10/27/09	136,000	1/28/10	3250	4/5/10	2510	8/4/10	6620
			Pressure differential (kPa)	10/27/09	0.85	1/28/10	–0.11	4/5/10	0.04	8/4/10	0
			TCA (µg/m^3)	10/27/09	850,000	1/28/10	–2000	4/5/10	3570	8/4/10	52,200
			TCE (µg/m^3)	10/27/09	163,000	1/28/10	2610	4/5/10	937	8/4/10	10,900
	140	137.5–142.5	CO_2 (µg/m^3)	10/27/09	12,600,000	1/28/10	965,000	4/5/10	907,000	8/4/10	12,200,000
			Freon-11 (µg/m^3)	10/27/09	14,200	1/28/10	635	4/5/10	–521	8/4/10	14,400,000
			H_2O (µg/m^3)	10/27/09	14,100,000	1/28/10	6,630,000	4/5/10	51.7[b]	8/4/10	16,600,000
			PCE (µg/m^3)	10/27/09	130,000	1/28/10	3560	4/5/10	–68	8/4/10	133,000
			Pressure differential (kPa)	10/27/09	0.68	1/28/10	0.11	4/5/10	0.02	8/4/10	0
			TCA (µg/m^3)	10/27/09	883,000	1/28/10	–2400	4/5/10	3040	8/4/10	890,000
			TCE (µg/m^3)	10/27/09	175,000	1/28/10	1850	4/5/10	2260	8/4/10	168,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001 (cont.)	160	157.5–162.5	CO_2 (µg/m^3)	11/17/09	3,170,000[e]	1/28/10	963,000	4/5/10	916,000	8/4/10	12,700,000
			Freon-11 (µg/m^3)	11/17/09	3330[e]	1/28/10	175	4/5/10	–126	8/4/10	15,300,000
			H_2O (µg/m^3)	11/17/09	7,820,000[e]	1/28/10	6,010,000	4/5/10	55.2[b]	8/4/10	16,000,000
			PCE (µg/m^3)	11/17/09	23,300[e]	1/28/10	2870	4/5/10	–831	8/4/10	98,000
			Pressure differential (kPa)	11/17/09	–0.45[e]	1/28/10	0	4/5/10	0	8/4/10	0
			TCA (µg/m^3)	11/17/09	149,000[e]	1/28/10	–2600	4/5/10	3540	8/4/10	908,000
			TCE (µg/m^3)	11/17/09	35,200[e]	1/28/10	1930	4/5/10	–472	8/4/10	16,600
	180	177.5–182.5	CO_2 (µg/m^3)	10/27/09	NS	1/28/10	NS	4/5/10	783,000	8/4/10	NS
			Freon-11 (µg/m^3)	10/27/09	NS	1/28/10	NS	4/5/10	264	8/4/10	NS
			H_2O (µg/m^3)	10/27/09	NS	1/28/10	NS	4/5/10	56.9[b]	8/4/10	NS
			PCE (µg/m^3)	10/27/09	NS	1/28/10	NS	4/5/10	1550	8/4/10	NS
			Pressure differential (kPa)	10/27/09	0.09[d]	1/28/10	0.03[d]	4/5/10	0.03[d]	8/4/10	–0.02[d]
			TCA (µg/m^3)	10/27/09	NS	1/28/10	NS	4/5/10	2870	8/4/10	NS
			TCE (µg/m^3)	10/27/09	NS	1/28/10	NS	4/5/10	–129	8/4/10	NS
	200	197.5–202.5	CO_2 (µg/m^3)	10/27/09	14,000,000	1/28/10	1,310,000	4/5/10	2,690,000	8/4/10	11,600,000
			Freon-11 (µg/m^3)	10/27/09	16,000	1/28/10	204	4/5/10	1650	8/4/10	13,700
			H_2O (µg/m^3)	10/27/09	16,000,000	1/28/10	6,210,000	4/5/10	58.1[b]	8/4/10	16,700,000
			PCE (µg/m^3)	10/27/09	79,800	1/28/10	4070	4/5/10	17,900	8/4/10	76,100
			Pressure differential (kPa)	10/27/09	1.04	1/28/10	0	4/5/10	0.04	8/4/10	–0.29
			TCA (µg/m^3)	10/27/09	735,000	1/28/10	7700	4/5/10	107,000	8/4/10	683,000
			TCE (µg/m^3)	10/27/09	157,000	1/28/10	5370	4/5/10	66,200	8/4/10	146,000
54-02002	Ambient	Ambient	CO_2 (µg/m^3)	11/9/09	899,000	2/3/10	990,000	4/23/10	852,000	8/5/10	875,000
			Freon-11 (µg/m^3)	11/9/09	–245	2/3/10	205	4/23/10	–150	8/5/10	–173
			H_2O (µg/m^3)	11/9/09	8,130,000	2/3/10	6,270,000	4/23/10	39.5[b]	8/5/10	14,100,000
			PCE (µg/m^3)	11/9/09	2350	2/3/10	4170	4/23/10	2650	8/5/10	125

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002 (cont.)	Ambient	Ambient	Pressure differential (kPa)	11/9/09	0	2/3/10	NS	4/23/10	0	8/5/10	0
			TCA (µg/m^3)	11/9/09	–2000	2/3/10	–4800	4/23/10	–2300	8/5/10	–2700
			TCE (µg/m^3)	11/9/09	2820	2/3/10	2810	4/23/10	2280	8/5/10	1790
	20	17.5–22.5	CO_2 (µg/m^3)	11/9/09	2,280,000	2/3/10	1,030,000	4/23/10	1,110,000	8/5/10	5,130,000
			Freon-11 (µg/m^3)	11/9/09	5630	2/3/10	576	4/23/10	1540	8/5/10	18,800
			H_2O (µg/m^3)	11/9/09	8,410,000	2/3/10	5,680,000	4/23/10	36.1[b]	8/5/10	13,800,000
			PCE (µg/m^3)	11/9/09	34,200	2/3/10	5140	4/23/10	12,700	8/5/10	103,000
			Pressure differential (kPa)	11/9/09	0	2/3/10	0	4/23/10	0	8/5/10	0
			TCA (µg/m^3)	11/9/09	36,500	2/3/10	–2800	4/23/10	9490	8/5/10	121,000
	40	37.5–42.5	TCE (µg/m^3)	11/9/09	5900	2/3/10	2860	4/23/10	2730	8/5/10	7500
			CO_2 (µg/m^3)	11/9/09	19,800,000	2/3/10	6,390,000	4/23/10	18,600,000	8/5/10	20,200,000
			Freon-11 (µg/m^3)	11/9/09	80,900	2/3/10	27,800	4/23/10	85,700	8/5/10	97,900
			H_2O (µg/m^3)	11/9/09	14,700,000	2/3/10	6,080,000	4/23/10	50.9[b]	8/5/10	15,700,000
			PCE (µg/m^3)	11/9/09	341,000	2/3/10	141,000	4/23/10	383,000	8/5/10	439,000
			Pressure differential (kPa)	11/9/09	–0.2	2/3/10	0.15	4/23/10	0.37	8/5/10	0.04
			TCA (µg/m^3)	11/9/09	973,000	2/3/10	254,000	4/23/10	1,080,000	8/5/10	1,160,000
			TCE (µg/m^3)	11/9/09	193,000	2/3/10	61,700	4/23/10	169,000	8/5/10	179,000
	60	57.5–62.5	CO_2 (µg/m^3)	11/9/09	29,900,000	2/3/10	16,000,000	4/23/10	28,200,000	8/5/10	26,200,000
			Freon-11 (µg/m^3)	11/9/09	160,000	2/3/10	78,000	4/23/10	175,000	8/5/10	170,000
			H_2O (µg/m^3)	11/9/09	16,400,000	2/3/10	6,180,000	4/23/10	52.9[b]	8/5/10	15,500,000
			PCE (µg/m^3)	11/9/09	875,000	2/3/10	534,000	4/23/10	1,040,000	8/5/10	953,000
			Pressure differential (kPa)	11/9/09	0	2/3/10	0.07	4/23/10	0.03	8/5/10	0
			TCA (µg/m^3)	11/9/09	1,210,000	2/3/10	621,000	4/23/10	1,330,000	8/5/10	1,140,000
			TCE (µg/m^3)	11/9/09	136,000	2/3/10	51,600	4/23/10	106,000	8/5/10	111,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002 (cont.)	80	77.5–82.5	CO_2 (µg/m^3)	11/9/09	6,540,000	2/3/10	1,190,000	4/23/10	NS	8/5/10	17,800,000
			Freon-11 (µg/m^3)	11/9/09	21,100	2/3/10	1220	4/23/10	NS	8/5/10	99,300
			H_2O (µg/m^3)	11/9/09	11,400,000	2/3/10	5,630,000	4/23/10	NS	8/5/10	13,300,000
			PCE (µg/m^3)	11/9/09	115,000	2/3/10	11,600	4/23/10	NS	8/5/10	549,000
			Pressure differential (kPa)	11/9/09	0	2/3/10	0.06	4/23/10	0.03[d]	8/5/10	0.02
			TCA (µg/m^3)	11/9/09	245,000	2/3/10	12,900	4/23/10	NS	8/5/10	877,000
			TCE (µg/m^3)	11/9/09	37,900	2/3/10	8270	4/23/10	NS	8/5/10	98,900
	100	97.5–102.5	CO_2 (µg/m^3)	11/9/09	26,000,000	2/3/10	14,100,000	4/23/10	23,400,000	8/5/10	24,400,000
			Freon-11 (µg/m^3)	11/9/09	114,000	2/3/10	57,100	4/23/10	118,000	8/5/10	132,000
			H_2O (µg/m^3)	11/9/09	15,900,000	2/3/10	6,290,000	4/23/10	55.9[b]	8/5/10	13,900,000
			PCE (µg/m^3)	11/9/09	600,000	2/3/10	369,000	4/23/10	664,000	8/5/10	721,000
			Pressure differential (kPa)	11/9/09	–0.12	2/3/10	0.13	4/23/10	0.17	8/5/10	0.08
			TCA (µg/m^3)	11/9/09	1,280,000	2/3/10	649,000	4/23/10	1,320,000	8/5/10	1,340,000
			TCE (µg/m^3)	11/9/09	209,000	2/3/10	93,400	4/23/10	158,000	8/5/10	184,000
	120	117.5–122.5	CO_2 (µg/m^3)	11/9/09	18,500,000	2/3/10	1,100,000	4/23/10	14,800,000	8/5/10	21,100,000
			Freon-11 (µg/m^3)	11/9/09	70,400	2/3/10	1770	4/23/10	64,700	8/5/10	103,000
			H_2O (µg/m^3)	11/9/09	14,300,000	2/3/10	6,130,000	4/23/10	54.1[b]	8/5/10	17,100,000
			PCE (µg/m^3)	11/9/09	329,000	2/3/10	17,600	4/23/10	336,000	8/5/10	519,000
			Pressure differential (kPa)	11/9/09	–0.13	2/3/10	0.12	4/23/10	0.19	8/5/10	0.02
			TCA (µg/m^3)	11/9/09	873,000	2/3/10	37,100	4/23/10	811,000	8/5/10	1,200,000
			TCE (µg/m^3)	11/9/09	158,000	2/3/10	21,300	4/23/10	109,000	8/5/10	173,000
	140	137.5–142.5	CO_2 (µg/m^3)	11/9/09	11,800,000	2/3/10	1,060,000	4/23/10	8,260,000	8/5/10	20,800,000
			Freon-11 (µg/m^3)	11/9/09	46,000	2/3/10	1410	4/23/10	43,200	8/5/10	105,000
			H_2O (µg/m^3)	11/9/09	12,700,000	2/3/10	5,910,000	4/23/10	50.7[b]	8/5/10	20,300,000
			PCE (µg/m^3)	11/9/09	256,000	2/3/10	13,600	4/23/10	266,000	8/5/10	596,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002 (cont.)	140	137.5–142.5	Pressure differential (kPa)	11/9/09	–0.14	2/3/10	0.06	4/23/10	0	8/5/10	0.06
			TCA (µg/m^3)	11/9/09	339,000	2/3/10	13,400	4/23/10	299,000	8/5/10	715,000
			TCE (µg/m^3)	11/9/09	35,400	2/3/10	9450	4/23/10	25,900	8/5/10	75,000
	157	154.5–159.5	CO_2 (µg/m^3)	11/9/09	7,950,000	2/3/10	1,110,000	4/23/10	8,140,000	8/5/10	17,700,000
			Freon-11 (µg/m^3)	11/9/09	29,700	2/3/10	1580	4/23/10	35,300	8/5/10	83,800
			H_2O (µg/m^3)	11/9/09	11,800,000	2/3/10	6,130,000	4/23/10	51.5[b]	8/5/10	12,800,000
			PCE (µg/m^3)	11/9/09	123,000	2/3/10	13,800	4/23/10	158,000	8/5/10	352,000
			Pressure differential (kPa)	11/9/09	–0.19	2/3/10	0.25	4/23/10	0.52	8/5/10	0.02
			TCA (µg/m^3)	11/9/09	369,000	2/3/10	9400	4/23/10	459,000	8/5/10	1,020,000
			TCE (µg/m^3)	11/9/09	88,900	2/3/10	17,800	4/23/10	84,400	8/5/10	178,000
	180	177.5–182.5	CO_2 (µg/m^3)	11/9/09	22,300,000	2/3/10	1,060,000	4/23/10	NS	8/5/10	21,500,000
			Freon-11 (µg/m^3)	11/9/09	88,900	2/3/10	1220	4/23/10	NS	8/5/10	104,000
			H_2O (µg/m^3)	11/9/09	15,700,000	2/3/10	6,400,000	4/23/10	NS	8/5/10	15,900,000
			PCE (µg/m^3)	11/9/09	415,000	2/3/10	13,000	4/23/10	NS	8/5/10	522,000
			Pressure differential (kPa)	11/9/09	0	2/3/10	0	4/23/10	0[d]	8/5/10	0
			TCA (µg/m^3)	11/9/09	1,090,000	2/3/10	36,900	4/23/10	NS	8/5/10	1,220,000
			TCE (µg/m^3)	11/9/09	201,000	2/3/10	14,200	4/23/10	NS	8/5/10	178,000
	200	197.5–202.5	CO_2 (µg/m^3)	11/9/09	16,500,000	2/3/10	10,900,000	4/23/10	15,900,000	8/5/10	16,300,000
			Freon-11 (µg/m^3)	11/9/09	81,200	2/3/10	45,100	4/23/10	83,000	8/5/10	84,800
			H_2O (µg/m^3)	11/9/09	16,100,000	2/3/10	6,620,000	4/23/10	52.5[b]	8/5/10	14,000,000
			PCE (µg/m^3)	11/9/09	289,000	2/3/10	201,000	4/23/10	323,000	8/5/10	314,000
			Pressure differential (kPa)	11/9/09	–0.19	2/3/10	0.22	4/23/10	0.69	8/5/10	0
			TCA (µg/m^3)	11/9/09	791,000	2/3/10	437,000	4/23/10	892,000	8/5/10	892,000
			TCE (µg/m^3)	11/9/09	187,000	2/3/10	101,000	4/23/10	164,000	8/5/10	179,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02016	Ambient	Ambient	CO_2 (µg/m^3)	11/3/09	1,490,000	1/26/10	913,000	4/20/10	914,000	7/27/10	818,000
			Freon-11 (µg/m^3)	11/3/09	1510	1/26/10	480	4/20/10	603	7/27/10	17.7
			H_2O (µg/m^3)	11/3/09	8,280,000	1/26/10	5,370,000	4/20/10	49.1[b]	7/27/10	16,100,000
			PCE (µg/m^3)	11/3/09	5400	1/26/10	2910	4/20/10	6770	7/27/10	–1600
			Pressure differential (kPa)	11/3/09	0	1/26/10	NS	4/20/10	0	7/27/10	0
			TCA (µg/m^3)	11/3/09	–5700	1/26/10	–3700	4/20/10	–3600	7/27/10	–4100
			TCE (µg/m^3)	11/3/09	1770	1/26/10	434	4/20/10	362	7/27/10	–1200
	18	15.5–20.5	CO_2 (µg/m^3)	11/3/09	NS	1/26/10	NS	4/20/10	NS	7/27/10	NS
			Freon-11 (µg/m^3)	11/3/09	NS	1/26/10	NS	4/20/10	NS	7/27/10	NS
			H_2O (µg/m^3)	11/3/09	NS	1/26/10	NS	4/20/10	NS	7/27/10	NS
			PCE (µg/m^3)	11/3/09	NS	1/26/10	NS	4/20/10	NS	7/27/10	NS
			Pressure differential (kPa)	11/3/09	0.02[d]	1/26/10	0[d]	4/20/10	0[d]	7/27/10	NS[d]
			TCA (µg/m^3)	11/3/09	NS	1/26/10	NS	4/20/10	NS	7/27/10	NS
			TCE (µg/m^3)	11/3/09	NS	1/26/10	NS	4/20/10	NS	7/27/10	NS
	31	28.5–33.5	CO_2 (µg/m^3)	11/3/09	49,800,000	1/26/10	38,900,000	4/20/10	36,000,000	7/27/10	41,700,000
			Freon-11 (µg/m^3)	11/3/09	248,000	1/26/10	199,000	4/20/10	212,000	7/27/10	233,000
			H_2O (µg/m^3)	11/3/09	18,600,000	1/26/10	5,780,000	4/20/10	65.3[b]	7/27/10	16,400,000
			PCE (µg/m^3)	11/3/09	139,0000	1/26/10	1,400,000	4/20/10	1,300,000	7/27/10	1,350,000
			Pressure differential (kPa)	11/3/09	0.04	1/26/10	–0.03	4/20/10	0.04	7/27/10	0.02
			TCA (µg/m^3)	11/3/09	1,660,000	1/26/10	1,180,000	4/20/10	1,350,000	7/27/10	1,440,000
			TCE (µg/m^3)	11/3/09	165,000	1/26/10	37,400	4/20/10	71,600	7/27/10	132,000
	82	79.5–84.5	CO_2 (µg/m^3)	11/3/09	39,700,000	1/26/10	20,700,000	4/20/10	1,050,000	7/27/10	33,300,000[e]
			Freon-11 (µg/m^3)	11/3/09	182,000	1/26/10	105,000	4/20/10	–977,000	7/27/10	155,000[e]
			H_2O (µg/m^3)	11/3/09	17,500,000	1/26/10	5,450,000	4/20/10	47.9[b]	7/27/10	19,100,000[e]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02016 (cont.)	82	79.5–84.5	PCE (µg/m^3)	11/3/09	1,020,000	1/26/10	734,000	4/20/10	8600	7/27/10	890,000[e]
			Pressure differential (kPa)	11/3/09	0.02	1/26/10	0	4/20/10	0	7/27/10	0.02[e]
			TCA (µg/m^3)	11/3/09	960,000	1/26/10	383,000	4/20/10	1980	7/27/10	870,000[e]
			TCE (µg/m^3)	11/3/09	53,900	1/26/10	–43,000	4/20/10	1740	7/27/10	51,600[e]
54-02020	Ambient	Ambient	CO_2 (µg/m^3)	11/16/09	928,000	2/2/10	1,150,000	4/29/10	838,000	8/23/10	810,000
			Freon-11 (µg/m^3)	11/16/09	–3.8	2/2/10	188	4/29/10	–200	8/23/10	74.2
			H_2O (µg/m^3)	11/16/09	5,050,000	2/2/10	4,080,000	4/29/10	34.8[b]	8/23/10	15,900,000
			PCE (µg/m^3)	11/16/09	3490	2/2/10	4760	4/29/10	1690	8/23/10	–363
			Pressure differential (kPa)	11/16/09	0	2/2/10	NS	4/29/10	0	8/23/10	0
			TCA (µg/m^3)	11/16/09	–1900	2/2/10	–1100	4/29/10	–1500	8/23/10	–4000
			TCE (µg/m^3)	11/16/09	3490	2/2/10	3360	4/29/10	1630	8/23/10	–544,000
	20	10–30	CO_2 (µg/m^3)	11/16/09	10,300,000	2/2/10	9,720,000	4/29/10	8,320,000	8/23/10	11,400,000
			Freon-11 (µg/m^3)	11/16/09	7730	2/2/10	8620	4/29/10	8260	8/23/10	9030
			H_2O (µg/m^3)	11/16/09	10,000,000	2/2/10	7,430,000	4/29/10	44.7[b]	8/23/10	14,300,000
			PCE (µg/m^3)	11/16/09	33,000	2/2/10	41,500	4/29/10	36,400	8/23/10	36,600
			Pressure differential (kPa)	11/16/09	0	2/2/10	0.06	4/29/10	0.04	8/23/10	–0.04
			TCA (µg/m^3)	11/16/09	40,700	2/2/10	65,600	4/29/10	79,400	8/23/10	72,700
			TCE (µg/m^3)	11/16/09	20,300	2/2/10	18,000	4/29/10	171,000	8/23/10	18,500
	40	30–50	CO_2 (µg/m^3)	11/16/09	10,400,000	2/2/10	11,100,000	4/29/10	8,100,000	8/23/10	10,700,000
			Freon-11 (µg/m^3)	11/16/09	12,100	2/2/10	12,700	4/29/10	10,900	8/23/10	13,500
			H_2O (µg/m^3)	11/16/09	9,720,000	2/2/10	7,810,000	4/29/10	44.6[b]	8/23/10	13,800,000
			PCE (µg/m^3)	11/16/09	46,500	2/2/10	60,100	4/29/10	47,000	8/23/10	52,500
			Pressure differential (kPa)	11/16/09	–0.57	2/2/10	0.07	4/29/10	0.47	8/23/10	–0.17
			TCA (µg/m^3)	11/16/09	91,700	2/2/10	119,000	4/29/10	120,000	8/23/10	130,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020 (cont.)	40	30–50	TCE (µg/m^3)	11/16/09	28,300	2/2/10	27,300	4/29/10	23,000	8/23/10	26,000
			CO_2 (µg/m^3)	11/16/09	10,400,000	2/2/10	11,500,000	4/29/10	8,550,000	8/23/10	805,000
			Freon-11 (µg/m^3)	11/16/09	14,900	2/2/10	14,600	4/29/10	13,400	8/23/10	261
			H_2O (µg/m^3)	11/16/09	8,950,000	2/2/10	8,170,000	4/29/10	43.3[b]	8/23/10	15,400,000
			PCE (µg/m^3)	11/16/09	57,700	2/2/10	72,800	4/29/10	56,200	8/23/10	–256
			Pressure differential (kPa)	11/16/09	–0.23	2/2/10	0.05	4/29/10	0.62	8/23/10	–0.1
			TCA (µg/m^3)	11/16/09	122,000	2/2/10	155,000	4/29/10	151,000	8/23/10	–4400
			TCE (µg/m^3)	11/16/09	33,300	2/2/10	35,300	4/29/10	27,500	8/23/10	–718
	80	70–90	CO_2 (µg/m^3)	11/16/09	9,010,000	2/2/10	11,400,000	4/29/10	8,930,000	8/24/10	718,000
			Freon-11 (µg/m^3)	11/16/09	14,500	2/2/10	17,500	4/29/10	15,900	8/24/10	–81
			H_2O (µg/m^3)	11/16/09	9,740,000	2/2/10	9,000,000	4/29/10	44.9[b]	8/24/10	14,800,000
			PCE (µg/m^3)	11/16/09	565,000	2/2/10	81,600	4/29/10	66,000	8/24/10	–291
			Pressure differential (kPa)	11/16/09	–0.38	2/2/10	0.02	4/29/10	0.82	8/24/10	–0.12
			TCA (µg/m^3)	11/16/09	91,300	2/2/10	173,000	4/29/10	179,000	8/24/10	–1000
			TCE (µg/m^3)	11/16/09	31,200	2/2/10	37,300	4/29/10	31,700	8/24/10	–503
	95	90–110	CO_2 (µg/m^3)	11/16/09	6,410,000	2/2/10	7,010,000[f]	4/29/10	6,080,000	8/24/10	735,000
			Freon-11 (µg/m^3)	11/16/09	11,200	2/2/10	17,900[f]	4/29/10	11,000	8/24/10	18.2
			H_2O (µg/m^3)	11/16/09	9,850,000	2/2/10	8,300,000[f]	4/29/10	43.7[b]	8/24/10	15,300,000
			PCE (µg/m^3)	11/16/09	43,900	2/2/10	81,700[f]	4/29/10	46,100	8/24/10	–1200
			Pressure differential (kPa)	11/16/09	–0.29	2/2/10	0[f]	4/29/10	0.67	8/24/10	–0.12
			TCA (µg/m^3)	11/16/09	87,200	2/2/10	91,000[f]	4/29/10	120,000	8/24/10	–4200
			TCE (µg/m^3)	11/16/09	25,300	2/2/10	37,400[f]	4/29/10	21,200	8/24/10	–1200
	120	110–130	CO_2 (µg/m^3)	11/16/09	7,320,000	2/2/10	7,940,000	4/29/10	3,690,000	8/24/10	774,000
			Freon-11 (µg/m^3)	11/16/09	15,000	2/2/10	19,200	4/29/10	7200	8/24/10	29.7
			H_2O (µg/m^3)	11/16/09	9,100,000	2/2/10	7,560,000	4/29/10	47.6[b]	8/24/10	15,300,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020 (cont.)	120	110–130	PCE (µg/m^3)	11/16/09	56,500	2/2/10	88,000	4/29/10	31,700	8/24/10	–925
			Pressure differential (kPa)	11/16/09	–0.29	2/2/10	0	4/29/10	0.6	8/24/10	–0.11
			TCA (µg/m^3)	11/16/09	116,000	2/2/10	127,000	4/29/10	72,500	8/24/10	–5000
			TCE (µg/m^3)	11/16/09	30,700	2/2/10	38,600	4/29/10	15,000	8/24/10	–1500
	140	130–150	CO_2 (µg/m^3)	11/16/09	5,040,000	2/2/10	954,000	4/29/10	3,530,000	8/24/10	785,000
			Freon-11 (µg/m^3)	11/16/09	12,700	2/2/10	78.7	4/29/10	8260	8/24/10	41.1
			H_2O (µg/m^3)	11/16/09	7,620,000	2/2/10	6,990,000	4/29/10	47.2[b]	8/24/10	15,800,000
			PCE (µg/m^3)	11/16/09	48,300	2/2/10	2760	4/29/10	35,700	8/24/10	–1500
			Pressure differential (kPa)	11/16/09	–0.66	2/2/10	0	4/29/10	1.15	8/24/10	–0.07
			TCA (µg/m^3)	11/16/09	104,000	2/2/10	–3100	4/29/10	79,100	8/24/10	–5000
			TCE (µg/m^3)	11/16/09	25,200	2/2/10	1850	4/29/10	15,900	8/24/10	–1200
	160	150–170	CO_2 (µg/m^3)	11/16/09	3,330,000	2/2/10	7,610,000	4/29/10	2,300,000	8/24/10	805,000
			Freon-11 (µg/m^3)	11/16/09	7830	2/2/10	18,900	4/29/10	5090	8/24/10	142
			H_2O (µg/m^3)	11/16/09	6,790,000	2/2/10	6,700,000	4/29/10	44.8[b]	8/24/10	15,000,000
			PCE (µg/m^3)	11/16/09	31,500	2/2/10	87,200	4/29/10	24,300	8/24/10	–1100
			Pressure differential (kPa)	11/16/09	–0.35	2/2/10	0	4/29/10	0.7	8/24/10	–0.14
			TCA (µg/m^3)	11/16/09	56,600	2/2/10	178,000	4/29/10	48,900	8/24/10	–4500
			TCE (µg/m^3)	11/16/09	16,600	2/2/10	35,500	4/29/10	12,300	8/24/10	–1500
	180	170–190	CO_2 (µg/m^3)	11/16/09	7,270,000	2/2/10	10,200,000	4/29/10	8,620,000	8/24/10	774,000
			Freon-11 (µg/m^3)	11/16/09	22,100	2/2/10	28,000	4/29/10	27,400	8/24/10	13.2
			H_2O (µg/m^3)	11/16/09	8,410,000	2/2/10	7,420,000	4/29/10	46[b]	8/24/10	15,100,000
			PCE (µg/m^3)	11/16/09	81,500	2/2/10	127,000	4/29/10	109,000	8/24/10	–1600
			Pressure differential (kPa)	11/16/09	–0.65	2/2/10	0	4/29/10	1.16	8/24/10	–0.18
			TCA (µg/m^3)	11/16/09	157,000	2/2/10	245,000	4/29/10	239,000	8/24/10	–5100
			TCE (µg/m^3)	11/16/09	35,600	2/2/10	47,400	4/29/10	40,900	8/24/10	–1200

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020 (cont.)	200	190–210	CO_2 (µg/m^3)	11/16/09	6,980,000	2/2/10	8,920,000	4/29/10	8,690,000	8/24/10	812,000
			Freon-11 (µg/m^3)	11/16/09	21,900	2/2/10	28,200	4/29/10	29,400	8/24/10	–81
			H_2O (µg/m^3)	11/16/09	8,710,000	2/2/10	7,470,000	4/29/10	48.8[b]	8/24/10	14,800,000
			PCE (µg/m^3)	11/16/09	79,900	2/2/10	129,000	4/29/10	117,000	8/24/10	–1700
			Pressure differential (kPa)	11/16/09	–0.55	2/2/10	0	4/29/10	1.06	8/24/10	–0.18
			TCA (µg/m^3)	11/16/09	143,000	2/2/10	215,000	4/29/10	232,000	8/24/10	–3800
			TCE (µg/m^3)	11/16/09	32,700	2/2/10	44,400	4/29/10	40,400	8/24/10	–1200
54-02021	Ambient	Ambient	CO_2 (µg/m^3)	10/28/09	1,300,000	1/27/10	1,270,000	4/1/10	1,740,000	7/28/10	1,290,000
			Freon-11 (µg/m^3)	10/28/09	521	1/27/10	143	4/1/10	–1300	7/28/10	–1100
			H_2O (µg/m^3)	10/28/09	9,520,000	1/27/10	11,600,000	4/1/10	21.6[b]	7/28/10	13,900,000
			PCE (µg/m^3)	10/28/09	4010	1/27/10	4260	4/1/10	697	7/28/10	–5000
			Pressure differential (kPa)	10/28/09	0	1/27/10	NS	4/1/10	0	7/28/10	0
			TCA (µg/m^3)	10/28/09	–5100	1/27/10	–8500	4/1/10	–5800	7/28/10	–4200
			TCE (µg/m^3)	10/28/09	2060	1/27/10	2520	4/1/10	3440	7/28/10	4570
	20	10–30	CO_2 (µg/m^3)	10/28/09	2,760,000	1/27/10	11,100,000	4/1/10	7,850,000	7/28/10	12,200,000
			Freon-11 (µg/m^3)	10/28/09	–287	1/27/10	2430	4/1/10	1200	7/28/10	2010
			H_2O (µg/m^3)	10/28/09	11,200,000	1/27/10	11,100,000	4/1/10	49.3[b]	7/28/10	14,900,000
			PCE (µg/m^3)	10/28/09	2320	1/27/10	15,500	4/1/10	11,600	7/28/10	11,700
			Pressure differential (kPa)	10/28/09	0	1/27/10	0	4/1/10	0.04	7/28/10	–0.03
			TCA (µg/m^3)	10/28/09	–1800	1/27/10	30,500	4/1/10	57,900	7/28/10	70,800
			TCE (µg/m^3)	10/28/09	8040	1/27/10	17,700	4/1/10	17,900	7/28/10	20,500
	40	30-50	CO_2 (µg/m^3)	10/28/09	1,050,000	1/27/10	3,790,000	4/1/10	5,090,000	7/28/10	6,540,000
			Freon-11 (µg/m^3)	10/28/09	–72	1/27/10	1210	4/1/10	513	7/28/10	1360
			H_2O (µg/m^3)	10/28/09	10,500,000	1/27/10	9,630,000	4/1/10	44.5[b]	7/28/10	14,100,000
			PCE (µg/m^3)	10/28/09	1890	1/27/10	7830	4/1/10	6410	7/28/10	6840

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021 (cont.)	40	30-50	Pressure differential (kPa)	10/28/09	0.03	1/27/10	0	4/1/10	0.03	7/28/10	–0.03
			TCA (µg/m^3)	10/28/09	–1700	1/27/10	10,800	4/1/10	50,500	7/28/10	68,600
			TCE (µg/m^3)	10/28/09	4690	1/27/10	7140	4/1/10	12,400	7/28/10	15,700
	60	50–70	CO_2 (µg/m^3)	10/28/09	1,180,000	1/27/10	5,350,000	4/1/10	8,030,000	7/28/10	8,770,000
			Freon-11 (µg/m^3)	10/28/09	102	1/27/10	1520	4/1/10	1100	7/28/10	2510
			H_2O (µg/m^3)	10/28/09	9,310,000	1/27/10	9,360,000	4/1/10	48.2[b]	7/28/10	15,000,000
			PCE (µg/m^3)	10/28/09	2200	1/27/10	13,300	4/1/10	19,100	7/28/10	16,400
			Pressure differential (kPa)	10/28/09	0.04	1/27/10	0	4/1/10	0.07	7/28/10	–0.04
			TCA (µg/m^3)	10/28/09	–228	1/27/10	62,400	4/1/10	135,000	7/28/10	165,000
			TCE (µg/m^3)	10/28/09	3430	1/27/10	18,000	4/1/10	36,100	7/28/10	31,800
	80	70–90	CO_2 (µg/m^3)	10/28/09	931,000	1/27/10	2,040,000	4/1/10	2,570,000	7/28/10	NS
			Freon-11 (µg/m^3)	10/28/09	–370	1/27/10	468	4/1/10	198	7/28/10	NS
			H_2O (µg/m^3)	10/28/09	7,980,000	1/27/10	7,160,000	4/1/10	45.4[b]	7/28/10	NS
			PCE (µg/m^3)	10/28/09	2190	1/27/10	5320	4/1/10	7980	7/28/10	NS
			Pressure differential (kPa)	10/28/09	0.02	1/27/10	0	4/1/10	0.02	7/28/10	–0.02[d]
			TCA (µg/m^3)	10/28/09	–2500	1/27/10	17,400	4/1/10	55,200	7/28/10	NS
			TCE (µg/m^3)	10/28/09	2310	1/27/10	7310	4/1/10	17,700	7/28/10	NS
	100	90–110	CO_2 (µg/m^3)	10/28/09	1,280,000	1/27/10	6,000,000	4/1/10	8,620,000	7/28/10	9,450,000
			Freon-11 (µg/m^3)	10/28/09	78.1	1/27/10	2500	4/1/10	3020	7/28/10	3740
			H_2O (µg/m^3)	10/28/09	8,850,000	1/27/10	8,890,000	4/1/10	48.2[b]	7/28/10	14,700,000
			PCE (µg/m^3)	10/28/09	5910	1/27/10	18,600	4/1/10	24,100	7/28/10	23,800
			Pressure differential (kPa)	10/28/09	0.29	1/27/10	0	4/1/10	0.29	7/28/10	–0.16
			TCA (µg/m^3)	10/28/09	2240	1/27/10	135,000	4/1/10	233,000	7/28/10	271,000
			TCE (µg/m^3)	10/28/09	3450	1/27/10	29,600	4/1/10	46,900	7/28/10	50,300

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021 (cont.)	120	110–130	CO_2 (µg/m^3)	10/28/09	1,160,000	1/27/10	NS	4/1/10	2,650,000	7/28/10	1,130,000[e]
			Freon-11 (µg/m^3)	10/28/09	870	1/27/10	NS	4/1/10	894	7/28/10	–271[e]
			H_2O (µg/m^3)	10/28/09	9,300,000	1/27/10	NS	4/1/10	41.7[b]	7/28/10	13,600,000[e]
			PCE (µg/m^3)	10/28/09	3470	1/27/10	NS	4/1/10	12,800	7/28/10	–101[e]
			Pressure differential (kPa)	10/28/09	0.07	1/27/10	0[d]	4/1/10	0.07	7/28/10	–0.04[e]
			TCA (µg/m^3)	10/28/09	2980	1/27/10	NS	4/1/10	57,200	7/28/10	7350[e]
			TCE (µg/m^3)	10/28/09	3630	1/27/10	NS	4/1/10	11,400	7/28/10	1330[e]
	140	130–150	CO_2 (µg/m^3)	10/28/09	10,100,000	1/27/10	9,900,000	4/1/10	9,210,000	7/28/10	9,910,000
			Freon-11 (µg/m^3)	10/28/09	4720	1/27/10	4140	4/1/10	2370	7/28/10	4790
			H_2O (µg/m^3)	10/28/09	9,970,000	1/27/10	9,560,000	4/1/10	49.7[b]	7/28/10	15,200,000
			PCE (µg/m^3)	10/28/09	24,900	1/27/10	29,500	4/1/10	24,400	7/28/10	26,100
			Pressure differential (kPa)	10/28/09	0.46	1/27/10	–0.13	4/1/10	0.38	7/28/10	–0.17
			TCA (µg/m^3)	10/28/09	250,000	1/27/10	262,000	4/1/10	272,000	7/28/10	327,000
			TCE (µg/m^3)	10/28/09	55,000	1/27/10	54,600	4/1/10	60,700	7/28/10	59,000
	160	150–170	CO_2 (µg/m^3)	10/28/09	1,110,000	1/27/10	3,640,000	4/1/10	5,750,000	7/28/10	3,780,000
			Freon-11 (µg/m^3)	10/28/09	300	1/27/10	1540	4/1/10	2420	7/28/10	1740
			H_2O (µg/m^3)	10/28/09	9,320,000	1/27/10	7,200,000	4/1/10	50.6[b]	7/28/10	14,600,000
			PCE (µg/m^3)	10/28/09	3880	1/27/10	9120	4/1/10	21,300	7/28/10	8580
			Pressure differential (kPa)	10/28/09	0.28	1/27/10	–0.07	4/1/10	0.11	7/28/10	–0.09
			TCA (µg/m^3)	10/28/09	2770	1/27/10	75,300	4/1/10	164,000	7/28/10	107,000
			TCE (µg/m^3)	10/28/09	4560	1/27/10	17,700	4/1/10	33,300	7/28/10	19,300
	180	170–190	CO_2 (µg/m^3)	10/28/09	7,770,000	1/27/10	8,350,000	4/1/10	10,600,000	7/28/10	10,300,000
			Freon-11 (µg/m^3)	10/28/09	4020	1/27/10	2760	4/1/10	3460	7/28/10	4670
			H_2O (µg/m^3)	10/28/09	9,790,000	1/27/10	9,540,000	4/1/10	52.9[b]	7/28/10	11,600,000
			PCE (µg/m^3)	10/28/09	21,600	1/27/10	7670	4/1/10	33,500	7/28/10	29,700

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021 (cont.)	180	170–190	Pressure differential (kPa)	10/28/09	0.38	1/27/10	–0.13	4/1/10	0.37	7/28/10	–1.8
			TCA (µg/m^3)	10/28/09	188,000	1/27/10	62,900	4/1/10	332,000	7/28/10	349,000
			TCE (µg/m^3)	10/28/09	43,700	1/27/10	13,400	4/1/10	72,800	7/28/10	64,400
	198	190–210	CO_2 (µg/m^3)	10/28/09	10,900,000	1/27/10	9,150,000	4/1/10	9,810,000	7/28/10	9,240,000
			Freon-11 (µg/m^3)	10/28/09	6880	1/27/10	4990	4/1/10	3790	7/28/10	5240
			H_2O (µg/m^3)	10/28/09	10,100,000	1/27/10	8,810,000	4/1/10	52.9[b]	7/28/10	12,300,000
			PCE (µg/m^3)	10/28/09	33,200	1/27/10	28700	4/1/10	28,300	7/28/10	28,100
			Pressure differential (kPa)	10/28/09	1.16	1/27/10	–0.36	4/1/10	0.72	7/28/10	–0.19
			TCA (µg/m^3)	10/28/09	242,000	1/27/10	218,000	4/1/10	264,000	7/28/10	290,000
			TCE (µg/m^3)	10/28/09	60,400	1/27/10	46,500	4/1/10	64,500	7/28/10	54,100
54-02022	Ambient	Ambient	CO_2 (µg/m^3)	10/28/09	973,000	1/28/10	936,000	4/5/10	788,000	8/2/10	811,000
			Freon-11 (µg/m^3)	10/28/09	70.8	1/28/10	–221	4/5/10	–468	8/2/10	–103
			H_2O (µg/m^3)	10/28/09	8,040,000	1/28/10	6,000,000	4/5/10	28.1[b]	8/2/10	18,300,000
			PCE (µg/m^3)	10/28/09	4690	1/28/10	3620	4/5/10	–1200	8/2/10	–1600
			Pressure differential (kPa)	10/28/09	0	1/28/10	0	4/5/10	0	8/2/10	0
			TCA (µg/m^3)	10/28/09	–3900	1/28/10	–4300	4/5/10	640	8/2/10	–4000
			TCE (µg/m^3)	10/28/09	3010	1/28/10	3590	4/5/10	1010	8/2/10	–1000
	20	17.5–22.5	CO_2 (µg/m^3)	10/28/09	22,600,000	1/28/10	8,810,000	4/5/10	9,680,000	8/2/10	20,200,000
			Freon-11 (µg/m^3)	10/28/09	3900	1/28/10	1500	4/5/10	1370	8/2/10	2750
			H_2O (µg/m^3)	10/28/09	9,220,000	1/28/10	6,590,000	4/5/10	51.5[b]	8/2/10	14,800,000
			PCE (µg/m^3)	10/28/09	34,900	1/28/10	16,900	4/5/10	19,900	8/2/10	31,600
			Pressure differential (kPa)	10/28/09	0	1/28/10	0.03	4/5/10	0.02	8/2/10	–0.03
			TCA (µg/m^3)	10/28/09	146,000	1/28/10	50,200	4/5/10	124,000	8/2/10	215,000
			TCE (µg/m^3)	10/28/09	62,600	1/28/10	20,700	4/5/10	31,300	8/2/10	55,300

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022 (cont.)	40	37.5–42.5	CO_2 (µg/m^3)	10/28/09	16,100,000	1/28/10	10,200,000	4/5/10	1,470,000	8/2/10	15,100,000
			Freon-11 (µg/m^3)	10/28/09	5990	1/28/10	3040	4/5/10	1780	8/2/10	4420
			H_2O (µg/m^3)	10/28/09	9,700,000	1/28/10	6,920,000	4/5/10	51.4[b]	8/2/10	13,400,000
			PCE (µg/m^3)	10/28/09	46,000	1/28/10	28,100	4/5/10	42,600	8/2/10	43,400
			Pressure differential (kPa)	10/28/09	0	1/28/10	0	4/5/10	0	8/2/10	–0.05
			TCA (µg/m^3)	10/28/09	316,000	1/28/10	162,000	4/5/10	354,000	8/2/10	342,000
			TCE (µg/m^3)	10/28/09	78,500	1/28/10	40,200	4/5/10	79,800	8/2/10	75,000
	60	57.5–62.5	CO_2 (µg/m^3)	10/28/09	17,000,000	1/28/10	11,300,000	4/5/10	1,620,000	8/2/10	14,700,000
			Freon-11 (µg/m^3)	10/28/09	7310	1/28/10	4060	4/5/10	2890	8/2/10	5400
			H_2O (µg/m^3)	10/28/09	10,300,000	1/28/10	7,180,000	4/5/10	54.3[b]	8/2/10	12,600,000
			PCE (µg/m^3)	10/28/09	55,200	1/28/10	35,500	4/5/10	51,300	8/2/10	49,100
			Pressure differential (kPa)	10/28/09	0.05	1/28/10	0	4/5/10	0	8/2/10	–0.02
			TCA (µg/m^3)	10/28/09	435,000	1/28/10	258,000	4/5/10	500,000	8/2/10	433,000
			TCE (µg/m^3)	10/28/09	96,700	1/28/10	55,000	4/5/10	103,000	8/2/10	86,500
	80	77.5–82.5	CO_2 (µg/m^3)	10/28/09	14,100,000	1/28/10	8,320,000	4/5/10	1,320,000	8/2/10	13,200,000
			Freon-11 (µg/m^3)	10/28/09	6950	1/28/10	3150	4/5/10	2980	8/2/10	5230
			H_2O (µg/m^3)	10/28/09	10,300,000	1/28/10	6,970,000	4/5/10	51[b]	8/2/10	12,700,000
			PCE (µg/m^3)	10/28/09	48,100	1/28/10	27,200	4/5/10	44,700	8/2/10	44,800
			Pressure differential (kPa)	10/28/09	0.11	1/28/10	0	4/5/10	0	8/2/10	–0.05
			TCA (µg/m^3)	10/28/09	412,000	1/28/10	213,000	4/5/10	449,000	8/2/10	454,000
			TCE (µg/m^3)	10/28/09	86,900	1/28/10	43,000	4/5/10	88,800	8/2/10	84,700
	100	97.5–102.5	CO_2 (µg/m^3)	10/28/09	4,770,000	1/28/10	1,090,000[e]	4/5/10	4,150,000	8/2/10	6,540,000
			Freon-11 (µg/m^3)	10/28/09	2170	1/28/10	613[e]	4/5/10	634	8/2/10	2600
			H_2O (µg/m^3)	10/28/09	9,780,000	1/28/10	6,240,000[e]	4/5/10	47.9[b]	8/2/10	13,000,000
			PCE (µg/m^3)	10/28/09	18,800	1/28/10	3400[e]	4/5/10	16,000	8/2/10	21,700

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022 (cont.)	100	97.5–102.5	Pressure differential (kPa)	10/28/09	0.11	1/28/10	0[e]	4/5/10	0	8/2/10	–0.15
			TCA (µg/m^3)	10/28/09	128,000	1/28/10	–1200[e]	4/5/10	143,000	8/2/10	222,000
			TCE (µg/m^3)	10/28/09	32,200	1/28/10	3550[e]	4/5/10	32,800	8/2/10	40,200
	120	117.5–122.5	CO_2 (µg/m^3)	10/28/09	12,700,000	1/28/10	8,560,000	4/5/10	1,270,000	8/2/10	12,500,000
			Freon-11 (µg/m^3)	10/28/09	6360	1/28/10	3740	4/5/10	3370	8/2/10	6440
			H_2O (µg/m^3)	10/28/09	10,600,000	1/28/10	7,020,000	4/5/10	51[b]	8/2/10	13,800,000
			PCE (µg/m^3)	10/28/09	39,400	1/28/10	27,600	4/5/10	41,000	8/2/10	43,100
			Pressure differential (kPa)	10/28/09	0.56	1/28/10	0	4/5/10	–0.05	8/2/10	–0.17
			TCA (µg/m^3)	10/28/09	399,000	1/28/10	291,000	4/5/10	521,000	8/2/10	492,000
			TCE (µg/m^3)	10/28/09	81,000	1/28/10	54,100	4/5/10	98,200	8/2/10	85,200
	140	137.5–142.5	CO_2 (µg/m^3)	10/28/09	11,900,000	1/28/10	6,300,000	4/5/10	1,150,000	8/2/10	11,300,000
			Freon-11 (µg/m^3)	10/28/09	7030	1/28/10	2560	4/5/10	3200	8/2/10	5790
			H_2O (µg/m^3)	10/28/09	10,900,000	1/28/10	7,160,000	4/5/10	50.8[b]	8/2/10	14,000,000
			PCE (µg/m^3)	10/28/09	36,800	1/28/10	18,100	4/5/10	34,500	8/2/10	33,100
			Pressure differential (kPa)	10/28/09	0.73	1/28/10	–0.07	4/5/10	–0.06	8/2/10	–0.16
			TCA (µg/m^3)	10/28/09	409,000	1/28/10	167,000	4/5/10	469,000	8/2/10	463,000
			TCE (µg/m^3)	10/28/09	85,100	1/28/10	33,800	4/5/10	89,200	8/2/10	80,800
	160	157.5–162.5	CO_2 (µg/m^3)	10/28/09	14,200,000	1/28/10	5,110,000	4/5/10	1,250,000	8/2/10	11,500,000
			Freon-11 (µg/m^3)	10/28/09	9870	1/28/10	2880	4/5/10	5170	8/2/10	6740
			H_2O (µg/m^3)	10/28/09	10,900,000	1/28/10	7,040,000	4/5/10	55.9[b]	8/2/10	11,000,000
			PCE (µg/m^3)	10/28/09	45,700	1/28/10	14,900	4/5/10	37,600	8/2/10	36,500
			Pressure differential (kPa)	10/28/09	1.19	1/28/10	–0.12	4/5/10	–0.14	8/2/10	–0.16
			TCA (µg/m^3)	10/28/09	465,000	1/28/10	126,000	4/5/10	498,000	8/2/10	467,000
			TCE (µg/m^3)	10/28/09	98,700	1/28/10	24,100	4/5/10	96,600	8/2/10	81,700

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022 (cont.)	180	177.5–182.5	CO_2 (µg/m^3)	10/28/09	12,700,000	1/28/10	2,400,000	4/5/10	1,060,000	8/2/10	10,700,000
			Freon-11 (µg/m^3)	10/28/09	6920	1/28/10	220	4/5/10	4000	8/2/10	6340
			H_2O (µg/m^3)	10/28/09	10,800,000	1/28/10	7,180,000	4/5/10	56.7[b]	8/2/10	11,700,000
			PCE (µg/m^3)	10/28/09	34,400	1/28/10	3030	4/5/10	30,000	8/2/10	31,100
			Pressure differential (kPa)	10/28/09	1.26	1/28/10	–0.07	4/5/10	–0.14	8/2/10	–0.16
			TCA (µg/m^3)	10/28/09	333,000	1/28/10	11,200	4/5/10	366,000	8/2/10	385,000
			TCE (µg/m^3)	10/28/09	82,800	1/28/10	6090	4/5/10	75,900	8/2/10	69,700
	200	197.5–202.5	CO_2 (µg/m^3)	10/28/09	12,600,000	1/28/10	6,750,000	4/5/10	1,130,000	8/2/10	10,500,000
			Freon-11 (µg/m^3)	10/28/09	8070	1/28/10	3360	4/5/10	5410	8/2/10	6260
			H_2O (µg/m^3)	10/28/09	10,800,000	1/28/10	7,100,000	4/5/10	54.4[b]	8/2/10	12,500,000
			PCE (µg/m^3)	10/28/09	36,000	1/28/10	18,500	4/5/10	31,700	8/2/10	28,300
			Pressure differential (kPa)	10/28/09	1.19	1/28/10	–0.12	4/5/10	–0.09	8/2/10	–0.16
			TCA (µg/m^3)	10/28/09	253,000	1/28/10	133,000	4/5/10	326,000	8/2/10	312,000
			TCE (µg/m^3)	10/28/09	68,300	1/28/10	29,800	4/5/10	68,000	8/2/10	59,300
54-02023	Ambient	Ambient	CO_2 (µg/m^3)	11/12/09	1,280,000	2/9/10	995,000	4/28/10	1,910,000	8/5/10	838,000
			Freon-11 (µg/m^3)	11/12/09	410	2/9/10	864	4/28/10	–111	8/5/10	559
			H_2O (µg/m^3)	11/12/09	10,900,000	2/9/10	4,380,000	4/28/10	32.8[b]	8/5/10	14,700,000
			PCE (µg/m^3)	11/12/09	414	2/9/10	4740	4/28/10	1870	8/5/10	3010
			Pressure differential (kPa)	11/12/09	0	2/9/10	NS	4/28/10	0	8/5/10	0
			TCA (µg/m^3)	11/12/09	–3700	2/9/10	–2400	4/28/10	–2600	8/5/10	2460
			TCE (µg/m^3)	11/12/09	5030	2/9/10	2240	4/28/10	1650	8/5/10	–1900
	20	10–30	CO_2 (µg/m^3)	11/12/09	25,600,000	2/9/10	10,400,000	4/28/10	15,500,000	8/5/10	20,400,000
			Freon-11 (µg/m^3)	11/12/09	3210	2/9/10	1750	4/28/10	2650	8/5/10	2930
			H_2O (µg/m^3)	11/12/09	18,400,000	2/9/10	7,320,000	4/28/10	51.3[b]	8/5/10	15,300,000
			PCE (µg/m^3)	11/12/09	19,100	2/9/10	10,800	4/28/10	15,200	8/5/10	14,400

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023 (cont.)	20	10–30	Pressure differential (kPa)	11/12/09	0.02	2/9/10	–0.02	4/28/10	0.03	8/5/10	0
			TCA (µg/m^3)	11/12/09	–28,000	2/9/10	–50,000	4/28/10	–10,000	8/5/10	–39,000
			TCE (µg/m^3)	11/12/09	13,600	2/9/10	5100	4/28/10	9870	8/5/10	10,800
	40	30–50	CO_2 (µg/m^3)	11/12/09	21,200,000	2/9/10	21,900,000	4/28/10	17,000,000	8/5/10	19,000,000
			Freon-11 (µg/m^3)	11/12/09	5170	2/9/10	5840	4/28/10	4190	8/5/10	4840
			H_2O (µg/m^3)	11/12/09	18,000,000	2/9/10	7,940,000	4/28/10	55[b]	8/5/10	15,100,000
			PCE (µg/m^3)	11/12/09	19,000	2/9/10	25,800	4/28/10	20,500	8/5/10	20,400
			Pressure differential (kPa)	11/12/09	0.11	2/9/10	0	4/28/10	0.06	8/5/10	0
			TCA (µg/m^3)	11/12/09	–8800	2/9/10	–69,000	4/28/10	10,500	8/5/10	–17,000
			TCE (µg/m^3)	11/12/09	13,000	2/9/10	8910	4/28/10	13,300	8/5/10	8590
	60	50–70	CO_2 (µg/m^3)	11/12/09	3,370,000[e]	2/9/10	3,370,000	4/28/10	3,850,000	8/5/10	8,350,000
			Freon-11 (µg/m^3)	11/12/09	1090[e]	2/9/10	2320	4/28/10	3620	8/5/10	10,200
			H_2O (µg/m^3)	11/12/09	14,300,000[e]	2/9/10	7,250,000	4/28/10	43.6[b]	8/5/10	14,000,000
			PCE (µg/m^3)	11/12/09	7440[e]	2/9/10	14,400	4/28/10	17,100	8/5/10	38,200
			Pressure differential (kPa)	11/12/09	0.07[e]	2/9/10	–0.6	4/28/10	0.02	8/5/10	–0.08
			TCA (µg/m^3)	11/12/09	–11,400[e]	2/9/10	–1400	4/28/10	21,900	8/5/10	43,900
			TCE (µg/m^3)	11/12/09	7920[e]	2/9/10	6650	4/28/10	7920	8/5/10	12,000
	80	70–90	CO_2 (µg/m^3)	11/12/09	14,600,000	2/9/10	12,600,000	4/28/10	11,500,000	8/5/10	15,100,000
			Freon-11 (µg/m^3)	11/12/09	6400	2/9/10	5170	4/28/10	4450	8/5/10	6770
			H_2O (µg/m^3)	11/12/09	17,300,000	2/9/10	7,830,000	4/28/10	48.7[b]	8/5/10	14,900,000
			PCE (µg/m^3)	11/12/09	22,500	2/9/10	24,400	4/28/10	20,800	8/5/10	27,500
			Pressure differential (kPa)	11/12/09	0.18	2/9/10	–0.14	4/28/10	0.09	8/5/10	–0.04
			TCA (µg/m^3)	11/12/09	27,200	2/9/10	–15,000	4/28/10	37,900	8/5/10	42,300
			TCE (µg/m^3)	11/12/09	17,600	2/9/10	11,300	4/28/10	13,700	8/5/10	13,700

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023 (cont.)	100	90–110	CO_2 (µg/m^3)	11/12/09	15,300,000	2/9/10	16,200,000	4/28/10	13,700,000	8/5/10	14,600,000
			Freon-11 (µg/m^3)	11/12/09	8230	2/9/10	8100	4/28/10	6940	8/5/10	7950
			H_2O (µg/m^3)	11/12/09	17,600,000	2/9/10	7,930,000	4/28/10	58.6[b]	8/5/10	16,200,000
			PCE (µg/m^3)	11/12/09	31,600	2/9/10	36,000	4/28/10	31,500	8/5/10	31,000
			Pressure differential (kPa)	11/12/09	0.28	2/9/10	–0.19	4/28/10	0.13	8/5/10	–0.06
			TCA (µg/m^3)	11/12/09	42,800	2/9/10	–4800	4/28/10	65,200	8/5/10	65,300
			TCE (µg/m^3)	11/12/09	20,600	2/9/10	15,200	4/28/10	19,200	8/5/10	18,800
	120	110–130	CO_2 (µg/m^3)	11/12/09	NS	2/9/10	NS	4/28/10	NS	8/5/10	2,020,000
			Freon-11 (µg/m^3)	11/12/09	NS	2/9/10	NS	4/28/10	NS	8/5/10	666
			H_2O (µg/m^3)	11/12/09	NS	2/9/10	NS	4/28/10	NS	8/5/10	16,000,000
			PCE (µg/m^3)	11/12/09	NS	2/9/10	NS	4/28/10	NS	8/5/10	2920
			Pressure differential (kPa)	11/12/09	0.03[d]	2/9/10	0[d]	4/28/10	0.03[d]	8/5/10	0
			TCA (µg/m^3)	11/12/09	NS	2/9/10	NS	4/28/10	NS	8/5/10	–904
			TCE (µg/m^3)	11/12/09	NS	2/9/10	NS	4/28/10	NS	8/5/10	1160
	140	130–149	CO_2 (µg/m^3)	11/12/09	5,650,000	2/9/10	3,050,000	4/28/10	4,410,000	8/5/10	9,740,000
			Freon-11 (µg/m^3)	11/12/09	5440	2/9/10	1840	4/28/10	318,000	8/5/10	8270
			H_2O (µg/m^3)	11/12/09	12,100,000	2/9/10	6,910,000	4/28/10	44.4[b]	8/5/10	15,400,000
			PCE (µg/m^3)	11/12/09	16,600	2/9/10	10,400	4/28/10	14,200	8/5/10	31,,600
			Pressure differential (kPa)	11/12/09	0.12	2/9/10	–0.06	4/28/10	0.03	8/5/10	0
			TCA (µg/m^3)	11/12/09	22,600	2/9/10	1510	4/28/10	22,400	8/5/10	66.4
			TCE (µg/m^3)	11/12/09	10,000	2/9/10	4810	4/28/10	6800	8/5/10	16,200
	159	149–169	CO_2 (µg/m^3)	11/12/09	12,000,000	2/9/10	11,800,000	4/28/10	10,100,000	8/5/10	11,100,000
			Freon-11 (µg/m^3)	11/12/09	11,800	2/9/10	2220	4/28/10	10,300	8/5/10	10,800
			H_2O (µg/m^3)	11/12/09	16,800,000	2/9/10	6,830,000	4/28/10	53.8[b]	8/5/10	16,000,000
			PCE (µg/m^3)	11/12/09	42,200	2/9/10	12,500	4/28/10	42,700	8/5/10	41,800

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023 (cont.)	159	149–169	Pressure differential (kPa)	11/12/09	0.36	2/9/10	–0.23	4/28/10	0.02	8/5/10	–0.14
			TCA (µg/m^3)	11/12/09	69,900	2/9/10	35,800	4/28/10	79,500	8/5/10	83,400
			TCE (µg/m^3)	11/12/09	23,200	2/9/10	19,000	4/28/10	20,300	8/5/10	22,600
	180	170–190	CO_2 (µg/m^3)	11/12/09	6,400,000	2/9/10	1,910,000[e]	4/28/10	NS	8/5/10	3560
			Freon-11 (µg/m^3)	11/12/09	1500	2/9/10	381[e]	4/28/10	NS	8/5/10	1210
			H_2O (µg/m^3)	11/12/09	12,200,000	2/9/10	6,880,000[e]	4/28/10	NS	8/5/10	14,500,000
			PCE (µg/m^3)	11/12/09	6700	2/9/10	3790[e]	4/28/10	NS	8/5/10	5660
			Pressure differential (kPa)	11/12/09	0.03	2/9/10	–0.03[e]	4/28/10	0.03[d]	8/5/10	0
			TCA (µg/m^3)	11/12/09	7280	2/9/10	–4300[e]	4/28/10	NS	8/5/10	5660
			TCE (µg/m^3)	11/12/09	8290	2/9/10	3540[e]	4/28/10	NS	8/5/10	3160
	200	190–210	CO_2 (µg/m^3)	11/12/09	11,300,000	2/9/10	8,050,000	4/28/10	10,100,000	8/5/10	989,000
			Freon-11 (µg/m^3)	11/12/09	14,000	2/9/10	9030	4/28/10	13,200	8/5/10	232
			H_2O (µg/m^3)	11/12/09	17,000,000	2/9/10	7,281,000	4/28/10	56.2[b]	8/5/10	16,600,000
			PCE (µg/m^3)	11/12/09	51,900	2/9/10	41,300	4/28/10	55,300	8/5/10	–742
			Pressure differential (kPa)	11/12/09	0.61	2/9/10	–0.35	4/28/10	0.14	8/5/10	0
			TCA (µg/m^3)	11/12/09	74,700	2/9/10	28,600	4/28/10	95,500	8/5/10	–3500
			TCE (µg/m^3)	11/12/09	27,000	2/9/10	14,700	4/28/10	22,500	8/5/10	–1600
54-02024	Ambient	Ambient	CO_2 (µg/m^3)	11/13/09	872,000	2/10/10	957,000	4/28/10	871,000	8/10/10	818,000
			Freon-11 (µg/m^3)	11/13/09	95.7	2/10/10	–1000	4/28/10	248	8/10/10	–3500
			H_2O (µg/m^3)	11/13/09	9,020,000	2/10/10	10,800,000	4/28/10	34.5[b]	8/10/10	14,400,000
			PCE (µg/m^3)	11/13/09	3710	2/10/10	1940	4/28/10	1900	8/10/10	–7200
			Pressure differential (kPa)	11/13/09	0	2/10/10	NS	4/28/10	0	8/10/10	0
			TCA (µg/m^3)	11/13/09	–1400	2/10/10	–3100	4/28/10	–308	8/10/10	–9100
			TCE (µg/m^3)	11/13/09	1570	2/10/10	2400	4/28/10	194	8/10/10	9050

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024 (cont.)	20	10–30	CO_2 (µg/m^3)	11/13/09	12,400,000	2/10/10	10,200,000	4/28/10	10,400,000	8/10/10	12,900,000
			Freon-11 (µg/m^3)	11/13/09	6330	2/10/10	5900	4/28/10	6600	8/10/10	4960
			H_2O (µg/m^3)	11/13/09	16,000,000	2/10/10	11,000,000	4/28/10	55.2[b]	8/10/10	13,900,000
			PCE (µg/m^3)	11/13/09	27,100	2/10/10	27,600	4/28/10	30,400	8/10/10	23,400
			Pressure differential (kPa)	11/13/09	0.03	2/10/10	0	4/28/10	0.07	8/10/10	–0.02
			TCA (µg/m^3)	11/13/09	33,400	2/10/10	12,700	4/28/10	68,400	8/10/10	5370
			TCE (µg/m^3)	11/13/09	19,400	2/10/10	11,600	4/28/10	15,400	8/10/10	8290
	40	30–50	CO_2 (µg/m^3)	11/13/09	10,900,000	2/10/10	6,690,000	4/28/10	9,580,000	8/10/10	11,200,000
			Freon-11 (µg/m^3)	11/13/09	5610	2/10/10	3890	4/28/10	6640	8/10/10	5010
			H_2O (µg/m^3)	11/13/09	15,400,000	2/10/10	11,300,000	4/28/10	55.6[b]	8/10/10	14,200,000
			PCE (µg/m^3)	11/13/09	23,700	2/10/10	19,900	4/28/10	29,400	8/10/10	24,300
			Pressure differential (kPa)	11/13/09	0.04	2/10/10	0	4/28/10	0.03	8/10/10	–0.02
			TCA (µg/m^3)	11/13/09	30,900	2/10/10	8650	4/28/10	72,500	8/10/10	30,100
			TCE (µg/m^3)	11/13/09	18,100	2/10/10	8280	4/28/10	16,300	8/10/10	19,100
	60	50–70	CO_2 (µg/m^3)	11/13/09	12,500,000	2/10/10	11,700,000	4/28/10	10,200,000	8/10/10	10,600,000
			Freon-11 (µg/m^3)	11/13/09	8500	2/10/10	8480	4/28/10	8310	8/10/10	9310
			H_2O (µg/m^3)	11/13/09	15,700,000	2/10/10	10,500,000	4/28/10	53[b]	8/10/10	12,300,000
			PCE (µg/m^3)	11/13/09	33,300	2/10/10	40,700	4/28/10	35,600	8/10/10	38,200
			Pressure differential (kPa)	11/13/09	0.08	2/10/10	0	4/28/10	0.11	8/10/10	–0.05
			TCA (µg/m^3)	11/13/09	57,000	2/10/10	45,400	4/28/10	96,700	8/10/10	73,300
			TCE (µg/m^3)	11/13/09	23,500	2/10/10	19,000	4/28/10	20,700	8/10/10	16,800
	80	70–90	CO_2 (µg/m^3)	11/13/09	2,380,000	2/10/10	12,200,000	4/28/10	10,600,000	8/10/10	10,100,000
			Freon-11 (µg/m^3)	11/13/09	1160	2/10/10	11,200	4/28/10	10,800	8/10/10	9400
			H_2O (µg/m^3)	11/13/09	11,400,000	2/10/10	11,200,000	4/28/10	55.2[b]	8/10/10	13,500,000
			PCE (µg/m^3)	11/13/09	6040	2/10/10	50,600	4/28/10	45,500	8/10/10	37,600

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024 (cont.)	80	70–90	Pressure differential (kPa)	11/13/09	0.17	2/10/10	0	4/28/10	0.13	8/10/10	–0.09
			TCA (µg/m^3)	11/13/09	5090	2/10/10	68,600	4/28/10	129,000	8/10/10	112,000
			TCE (µg/m^3)	11/13/09	4360	2/10/10	23,400	4/28/10	25,400	8/10/10	25,100
	100	90–110	CO_2 (µg/m^3)	11/13/09	11,100,000	2/10/10	11,400,000	4/28/10	10,900,000	8/10/10	10,100,000
			Freon-11 (µg/m^3)	11/13/09	12,300	2/10/10	11,800	4/28/10	12,900	8/10/10	13,300
			H_2O (µg/m^3)	11/13/09	1,600,000	2/10/10	11,200,000	4/28/10	55[b]	8/10/10	13,400,000
			PCE (µg/m^3)	11/13/09	46,400	2/10/10	53,600	4/28/10	52,900	8/10/10	51,100
			Pressure differential (kPa)	11/13/09	0.27	2/10/10	0	4/28/10	0.22	8/10/10	–0.12
			TCA (µg/m^3)	11/13/09	95,500	2/10/10	77,700	4/28/10	153,000	8/10/10	121,000
			TCE (µg/m^3)	11/13/09	30,000	2/10/10	24,300	4/28/10	29,300	8/10/10	25,600
	120	110–130	CO_2 (µg/m^3)	11/13/09	NS	2/10/10	NS	4/28/10	NS	8/10/10	NS
			Freon-11 (µg/m^3)	11/13/09	NS	2/10/10	NS	4/28/10	NS	8/10/10	NS
			H_2O (µg/m^3)	11/13/09	NS	2/10/10	NS	4/28/10	NS	8/10/10	NS
			PCE (µg/m^3)	11/13/09	NS	2/10/10	NS	4/28/10	NS	8/10/10	NS
			Pressure differential (kPa)	11/13/09	0.37[d]	2/10/10	0[d]	4/28/10	0.29[d]	8/10/10	–0.17[d]
			TCA (µg/m^3)	11/13/09	NS	2/10/10	NS	4/28/10	NS	8/10/10	NS
			TCE (µg/m^3)	11/13/09	NS	2/10/10	NS	4/28/10	NS	8/10/10	NS
	140	130–150	CO_2 (µg/m^3)	11/13/09	9,600,000	2/10/10	6,470,000	4/28/10	6,770,000	8/10/10	9,390,000
			Freon-11 (µg/m^3)	11/13/09	14,900	2/10/10	8170	4/28/10	10,400	8/10/10	15,400
			H_2O (µg/m^3)	11/13/09	13,800,000	2/10/10	11,800,000	4/28/10	50.2[b]	8/10/10	14,200,000
			PCE (µg/m^3)	11/13/09	53,300	2/10/10	37,800	4/28/10	40,800	8/10/10	57,500
			Pressure differential (kPa)	11/13/09	0.36	2/10/10	0	4/28/10	0.29	8/10/10	0
			TCA (µg/m^3)	11/13/09	102,000	2/10/10	51,900	4/28/10	106,000	8/10/10	130,000
			TCE (µg/m^3)	11/13/09	29,500	2/10/10	16,900	4/28/10	19,800	8/10/10	29,900

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024 (cont.)	160	150–170	CO_2 (µg/m^3)	11/13/09	10,600,000	2/10/10	1,000,000	4/28/10	10,300,000	8/10/10	9,480,000
			Freon-11 (µg/m^3)	11/13/09	18,400	2/10/10	15,800	4/28/10	18,600	8/10/10	16,800
			H_2O (µg/m^3)	11/13/09	15,700,000	2/10/10	12,200,000	4/28/10	54.9[b]	8/10/10	13,700,000
			PCE (µg/m^3)	11/13/09	66,300	2/10/10	69,500	4/28/10	72,900	8/10/10	63,700
			Pressure differential (kPa)	11/13/09	0.58	2/10/10	0	4/28/10	0.3	8/10/10	0
			TCA (µg/m^3)	11/13/09	127,000	2/10/10	104,000	4/28/10	183,000	8/10/10	165,000
			TCE (µg/m^3)	11/13/09	35,900	2/10/10	27,200	4/28/10	34,600	8/10/10	31,300
	180	170–190	CO_2 (µg/m^3)	11/13/09	10,600,000	2/10/10	7,220,000	4/28/10	9,200,000	8/10/10	8,390,000
			Freon-11 (µg/m^3)	11/13/09	20,200	2/10/10	11,700	4/28/10	18,500	8/10/10	19,100
			H_2O (µg/m^3)	11/13/09	15,400,000	2/10/10	12,000,000	4/28/10	52.6[b]	8/10/10	11,900,000
			PCE (µg/m^3)	11/13/09	72,600	2/10/10	52,600	4/28/10	71,600	8/10/10	66,900
			Pressure differential (kPa)	11/13/09	0.59	2/10/10	0	4/28/10	0.23	8/10/10	–0.16
			TCA (µg/m^3)	11/13/09	136,000	2/10/10	71,100	4/28/10	170,000	8/10/10	135,000
			TCE (µg/m^3)	11/13/09	40,500	2/10/10	19,400	4/28/10	33,000	8/10/10	28,600
	200	190–210	CO_2 (µg/m^3)	11/13/09	8,510,000	2/10/10	4,630,000	4/28/10	6,610,000	8/10/10	9,500,000
			Freon-11 (µg/m^3)	11/13/09	17400	2/10/10	6980	4/28/10	13,900	8/10/10	20,700
			H_2O (µg/m^3)	11/13/09	15,300,000	2/10/10	11,300,000	4/28/10	50.2[b]	8/10/10	12,700,000
			PCE (µg/m^3)	11/13/09	62700	2/10/10	33,800	4/28/10	53,600	8/10/10	72,400
			Pressure differential (kPa)	11/13/09	0.65	2/10/10	0	4/28/10	0.27	8/10/10	–0.21
			TCA (µg/m^3)	11/13/09	106,000	2/10/10	41,900	4/28/10	119,000	8/10/10	167,000
			TCE (µg/m^3)	11/13/09	31,200	2/10/10	17,000	4/28/10	23,900	8/10/10	32,700
54-02025	Ambient	Ambient	CO_2 (µg/m^3)	11/10/09	861,000	2/2/10	948,000	4/27/10	1,750,000	8/9/10	895,000
			Freon-11 (µg/m^3)	11/10/09	–203	2/2/10	244	4/27/10	–137	8/9/10	255
			H_2O (µg/m^3)	11/10/09	8,940,000	2/2/10	10,200,000	4/27/10	41.3[b]	8/9/10	13,000,000
			PCE (µg/m^3)	11/10/09	1910	2/2/10	1740	4/27/10	2240	8/9/10	–3100

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02025 (cont)	Ambient	Ambient	Pressure differential (kPa)	11/10/09	0	2/2/10	NS	4/27/10	0	8/9/10	0
			TCA (µg/m^3)	11/10/09	–746	2/2/10	–1900	4/27/10	–2900	8/9/10	–7100
			TCE (µg/m^3)	11/10/09	2190	2/2/10	1580	4/27/10	2180	8/9/10	2280
	20	20	CO_2 (µg/m^3)	11/10/09	12,800,000	2/2/10	11,800,000	4/27/10	12,200,000	8/9/10	13,900,000
			Freon-11 (µg/m^3)	11/10/09	16,700	2/2/10	18,700	4/27/10	22,200	8/9/10	24,800
			H_2O (µg/m^3)	11/10/09	16,600,000	2/2/10	10,600,000	4/27/10	49[b]	8/9/10	14,800,000
			PCE (µg/m^3)	11/10/09	80,700	2/2/10	112,000	4/27/10	119,000	8/9/10	127,000
			Pressure differential (kPa)	11/10/09	0.05	2/2/10	0.04	4/27/10	–0.08	8/9/10	–0.02
			TCA (µg/m^3)	11/10/09	183,000	2/2/10	203,000	4/27/10	221,000	8/9/10	211,000
			TCE (µg/m^3)	11/10/09	35,100	2/2/10	29,800	4/27/10	28,500	8/9/10	25,700
	60	60	CO_2 (µg/m^3)	11/10/09	5,940,000	2/2/10	4,530,000[f]	4/27/10	2,870,000	8/9/10	6,290,000
			Freon-11 (µg/m^3)	11/10/09	4300	2/2/10	5470[f]	4/27/10	231	8/9/10	2750
			H_2O (µg/m^3)	11/10/09	15,800,000	2/2/10	10,000,000[f]	4/27/10	50.9[b]	8/9/10	24,100,000
			PCE (µg/m^3)	11/10/09	20,700	2/2/10	32,800[f]	4/27/10	5280	8/9/10	11,100
			Pressure differential (kPa)	11/10/09	0	2/2/10	0[f]	4/27/10	0	8/9/10	0
			TCA (µg/m^3)	11/10/09	35,300	2/2/10	50,300[f]	4/27/10	2650	8/9/10	–11,000
			TCE (µg/m^3)	11/10/09	6640	2/2/10	6590[f]	4/27/10	5370	8/9/10	–6200
	100	100	CO_2 (µg/m^3)	11/10/09	13,400,000	2/2/10	13,700,000	4/27/10	11,000,000	8/9/10	12,800,000
			Freon-11 (µg/m^3)	11/10/09	32,500	2/2/10	28,100	4/27/10	28,400	8/9/10	35,300
			H_2O (µg/m^3)	11/10/09	15,300,000	2/2/10	9,740,000	4/27/10	51.2[b]	8/9/10	15,900,000
			PCE (µg/m^3)	11/10/09	128,000	2/2/10	133,000	4/27/10	122,000	8/9/10	144,000
			Pressure differential (kPa)	11/10/09	–0.07	2/2/10	0.09	4/27/10	–0.38	8/9/10	–0.08
			TCA (µg/m^3)	11/10/09	381,000	2/2/10	356,000	4/27/10	358,000	8/9/10	391,000
			TCE (µg/m^3)	11/10/09	80,900	2/2/10	59,200	4/27/10	56,200	8/9/10	75,600

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02025 (cont)	160	160	CO_2 (µg/m^3)	11/10/09	12,400,000	2/2/10	6,490,000	4/27/10	11,400,000	8/9/10	12,400,000
			Freon-11 (µg/m^3)	11/10/09	34,500	2/2/10	9230	4/27/10	31,800	8/9/10	47,500
			H_2O (µg/m^3)	11/10/09	15,300,000	2/2/10	9,550,000	4/27/10	53[b]	8/9/10	15,300,000
			PCE (µg/m^3)	11/10/09	131,000	2/2/10	49,900	4/27/10	137,000	8/9/10	166,000
			Pressure differential (kPa)	11/10/09	–0.23	2/2/10	0	4/27/10	–0.57	8/9/10	–0.03
			TCA (µg/m^3)	11/10/09	365,000	2/2/10	110,000	4/27/10	349,000	8/9/10	426,000
			TCE (µg/m^3)	11/10/09	78,800	2/2/10	19,200	4/27/10	52,900	8/9/10	71,100
	190	190	CO_2 (µg/m^3)	11/10/09	11,600,000	2/2/10	8,160,000	4/27/10	6,270,000	8/9/10	11,400,000
			Freon-11 (µg/m^3)	11/10/09	45,700	2/2/10	11,000	4/27/10	–415,000	8/9/10	32,600
			H_2O (µg/m^3)	11/10/09	15,800,000	2/2/10	9,880,000	4/27/10	54.6[b]	8/9/10	16,800,000
			PCE (µg/m^3)	11/10/09	159,000	2/2/10	58,200	4/27/10	6870	8/9/10	149,000
			Pressure differential (kPa)	11/10/09	–0.34	2/2/10	0.03	4/27/10	–0.57	8/9/10	–0.02
			TCA (µg/m^3)	11/10/09	382,000	2/2/10	197,000	4/27/10	14,400	8/9/10	382,000
			TCE (µg/m^3)	11/10/09	91,800	2/2/10	29,400	4/27/10	10,900	8/9/10	130,000
54-02026	Ambient	Ambient	CO_2 (µg/m^3)	11/12/09	1,160,000	2/5/10	994,000	4/29/10	876,000	8/10/10	860,000
			Freon-11 (µg/m^3)	11/12/09	586	2/5/10	191	4/29/10	130	8/10/10	–944
			H_2O (µg/m^3)	11/12/09	10,800,000	2/5/10	8,700,000	4/29/10	34.9[b]	8/10/10	11,800,000
			PCE (µg/m^3)	11/12/09	2820	2/5/10	4460	4/29/10	2270	8/10/10	–5600
			Pressure differential (kPa)	11/12/09	0	2/5/10	NS	4/29/10	0	8/10/10	0
			TCA (µg/m^3)	11/12/09	–2900	2/5/10	–3600	4/29/10	–532	8/10/10	–4600
			TCE (µg/m^3)	11/12/09	1960	2/5/10	2540	4/29/10	1430	8/10/10	1310
	20	20	CO_2 (µg/m^3)	11/12/09	13,400,000	2/5/10	11,000,000	4/29/10	10,900,000	8/10/10	14,300,000
			Freon-11 (µg/m^3)	11/12/09	377	2/5/10	1350	4/29/10	683	8/10/10	451
			H_2O (µg/m^3)	11/12/09	18,200,000	2/5/10	10,500,000	4/29/10	56.7[b]	8/10/10	13,900,000
			PCE (µg/m^3)	11/12/09	4720	2/5/10	7410	4/29/10	5600	8/10/10	2650

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02026 (cont.)	20	20	Pressure differential (kPa)	11/12/09	0.08	2/5/10	–0.04	4/29/10	0.06	8/10/10	0
			TCA (µg/m^3)	11/12/09	–33,000	2/5/10	–58,000	4/29/10	–26,000	8/10/10	4980
			TCE (µg/m^3)	11/12/09	4980	2/5/10	2220	4/29/10	4290	8/10/10	3550
	60	60	CO_2 (µg/m^3)	11/12/09	13,200,000	2/5/10	13,900,000	4/29/10	11,500,000	8/10/10	11,300,000
			Freon-11 (µg/m^3)	11/12/09	1150	2/5/10	1910	4/29/10	1000	8/10/10	442
			H_2O (µg/m^3)	11/12/09	18,400,000	2/5/10	11,300,000	4/29/10	59.7[b]	8/10/10	13,800,000
			PCE (µg/m^3)	11/12/09	7280	2/5/10	9910	4/29/10	8410	8/10/10	5460
			Pressure differential (kPa)	11/12/09	0.2	2/5/10	–0.11	4/29/10	0.18	8/10/10	0.02
			TCA (µg/m^3)	11/12/09	–24,000	2/5/10	–62,000	4/29/10	–17,000	8/10/10	14,800
			TCE (µg/m^3)	11/12/09	5770	2/5/10	2970	4/29/10	6020	8/10/10	2640
	100	100	CO_2 (µg/m^3)	11/12/09	11,600,000	2/5/10	9,300,000	4/29/10	10,700,000	8/10/10	10,300,000
			Freon-11 (µg/m^3)	11/12/09	1210	2/5/10	1910	4/29/10	1680	8/10/10	980
			H_2O (µg/m^3)	11/12/09	18,500,000	2/5/10	11,900,000	4/29/10	58.3[b]	8/10/10	13,900,000
			PCE (µg/m^3)	11/12/09	8270	2/5/10	10,200	4/29/10	9920	8/10/10	5990
			Pressure differential (kPa)	11/12/09	0.49	2/5/10	–0.25	4/29/10	0.32	8/10/10	–0.02
			TCA (µg/m^3)	11/12/09	–17,000	2/5/10	–41,000	4/29/10	–9700	8/10/10	11,700
			TCE (µg/m^3)	11/12/09	7120	2/5/10	2610	4/29/10	5180	8/10/10	5370
	160	160	CO_2 (µg/m^3)	11/12/09	9,360,000	2/5/10	1,080,000	4/29/10	8,680,000	8/10/10	8,240,000
			Freon-11 (µg/m^3)	11/12/09	2840	2/5/10	48.7	4/29/10	2390	8/10/10	3340
			H_2O (µg/m^3)	11/12/09	18,200,000	2/5/10	12,200,000	4/29/10	57.9[b]	8/10/10	13,900,000
			PCE (µg/m^3)	11/12/09	12,700	2/5/10	2680	4/29/10	13,100	8/10/10	12,000
			Pressure differential (kPa)	11/12/09	0.6	2/5/10	–0.25	4/29/10	0.66	8/10/10	–0.08
			TCA (µg/m^3)	11/12/09	–7900	2/5/10	–6300	4/29/10	–595	8/10/10	14,200
			TCE (µg/m^3)	11/12/09	7790	2/5/10	1640	4/29/10	5430	8/10/10	1780

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02026 (cont.)	200	200	CO_2 (µg/m^3)	11/12/09	8,960,000	2/5/10	1,020,000	4/29/10	8,820,000	8/10/10	8,010,000
			Freon-11 (µg/m^3)	11/12/09	2460	2/5/10	80.8	4/29/10	2310	8/10/10	119
			H_2O (µg/m^3)	11/12/09	18,200,000	2/5/10	12,100,000	4/29/10	58.7[b]	8/10/10	13,700,000
			PCE (µg/m^3)	11/12/09	12,300	2/5/10	2430	4/29/10	14,000	8/10/10	7040
			Pressure differential (kPa)	11/12/09	0.55	2/5/10	–0.25	4/29/10	0.84	8/10/10	–0.09
			TCA (µg/m^3)	11/12/09	–5800	2/5/10	–5500	4/29/10	3080	8/10/10	19,800
			TCE (µg/m^3)	11/12/09	7580	2/5/10	1330	4/29/10	6410	8/10/10	7510
	215	215	CO_2 (µg/m^3)	11/12/09	7,750,000	2/5/10	967,000	4/29/10	7,560,000	8/10/10	7,000,000
			Freon-11 (µg/m^3)	11/12/09	2210	2/5/10	161	4/29/10	2490	8/10/10	4040
			H_2O (µg/m^3)	11/12/09	18,100,000	2/5/10	11,700,000	4/29/10	88.2[b]	8/10/10	14,100,000
			PCE (µg/m^3)	11/12/09	11,100	2/5/10	2820	4/29/10	12,800	8/10/10	8580
			Pressure differential (kPa)	11/12/09	0.77	2/5/10	–0.29	4/29/10	1.03	8/10/10	–0.08
			TCA (µg/m^3)	11/12/09	–4200	2/5/10	–4600	4/29/10	4690	8/10/10	20,000
			TCE (µg/m^3)	11/12/09	6430	2/5/10	654	4/29/10	4450	8/10/10	–4300
54-02027	Ambient	Ambient	CO_2 (µg/m^3)	11/10/09	855,000	2/4/10	952,000	4/27/10	838,000	8/11/10	852,000
			Freon-11 (µg/m^3)	11/10/09	341	2/4/10	1110	4/27/10	–440	8/11/10	237
			H_2O (µg/m^3)	11/10/09	7,860,000	2/4/10	9,680,000	4/27/10	44[b]	8/11/10	10,500,000
			PCE (µg/m^3)	11/10/09	332	2/4/10	5990	4/27/10	1650	8/11/10	–745
			Pressure differential (kPa)	11/10/09	0	2/4/10	NS	4/27/10	0	8/11/10	0
			TCA (µg/m^3)	11/10/09	–2700	2/4/10	–42,000	4/27/10	–629	8/11/10	–4700
			TCE (µg/m^3)	11/10/09	2360	2/4/10	–382	4/27/10	1180	8/11/10	1560
	20	20	CO_2 (µg/m^3)	11/10/09	1,1300,000	2/4/10	10,400,000	4/27/10	10,500,000	8/11/10	11,600,000
			Freon-11 (µg/m^3)	11/10/09	3630	2/4/10	3420	4/27/10	2280	8/11/10	2820
			H_2O (µg/m^3)	11/10/09	16,200,000	2/4/10	10,300,000	4/27/10	54.4[b]	8/11/10	14,000,000
			PCE (µg/m^3)	11/10/09	14,300	2/4/10	16,900	4/27/10	12,500	8/11/10	7900

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027 (cont.)	20	20	Pressure differential (kPa)	11/10/09	0	2/4/10	0.03	4/27/10	–0.04	8/11/10	–0.05
			TCA (µg/m^3)	11/10/09	–30,000	2/4/10	–37,000	4/27/10	9750	8/11/10	–8500
			TCE (µg/m^3)	11/10/09	4280	2/4/10	5730	4/27/10	7840	8/11/10	7980
	60	60	CO_2 (µg/m^3)	11/10/09	10,200,000	2/4/10	11,900,000	4/27/10	9,970,000[e]	8/11/10	10,100,000
			Freon-11 (µg/m^3)	11/10/09	4980	2/4/10	6910	4/27/10	5870[e]	8/11/10	5410
			H_2O (µg/m^3)	11/10/09	16,300,000	2/4/10	11,600,000	4/27/10	55[b,e]	8/11/10	14,000,000
			PCE (µg/m^3)	11/10/09	23,400	2/4/10	32,300	4/27/10	25,800[e]	8/11/10	22,500
			Pressure differential (kPa)	11/10/09	–0.07	2/4/10	0.05	4/27/10	–0.1[e]	8/11/10	–0.08
			TCA (µg/m^3)	11/10/09	11,000	2/4/10	–3600	4/27/10	49,900[e]	8/11/10	29,900
			TCE (µg/m^3)	11/10/09	15,000	2/4/10	11,400	4/27/10	12,800[e]	8/11/10	12,000
	100	100	CO_2 (µg/m^3)	11/10/09	6,920,000	2/4/10	11,200,000	4/27/10	8.960,000	8/11/10	9,330,000
			Freon-11 (µg/m^3)	11/10/09	4560	2/4/10	8990	4/27/10	7010	8/11/10	8030
			H_2O (µg/m^3)	11/10/09	14,700,000	2/4/10	11,100,000	4/27/10	54.5[b]	8/11/10	14,100,000
			PCE (µg/m^3)	11/10/09	19,400	2/4/10	41,600	4/27/10	29,600	8/11/10	32,300
			Pressure differential (kPa)	11/10/09	–0.25	2/4/10	0.1	4/27/10	0.3	8/11/10	–0.16
			TCA (µg/m^3)	11/10/09	16,200	2/4/10	23,900	4/27/10	65,200	8/11/10	51,700
			TCE (µg/m^3)	11/10/09	13,800	2/4/10	14,000	4/27/10	13,400	8/11/10	12,100
	160	160	CO_2 (µg/m^3)	11/10/09	7,190,000	2/4/10	9,760,000	4/27/10	5,870,000	8/11/10	7,970,000
			Freon-11 (µg/m^3)	11/10/09	5890	2/4/10	10,800	4/27/10	5400	8/11/10	10,600
			H_2O (µg/m^3)	11/10/09	14,700,000	2/4/10	11,400,000	4/27/10	53.5[b]	8/11/10	13,800,000
			PCE (µg/m^3)	11/10/09	22,500	2/4/10	52,400	4/27/10	24,200	8/11/10	38,800
			Pressure differential (kPa)	11/10/09	–0.41	2/4/10	0.26	4/27/10	–0.47	8/11/10	–0.22
			TCA (µg/m^3)	11/10/09	22,200	2/4/10	46,100	4/27/10	49,300	8/11/10	68,000
			TCE (µg/m^3)	11/10/09	10,600	2/4/10	18,300	4/27/10	9330	8/11/10	16,400

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027 (cont.)	200	200	CO_2 (µg/m^3)	11/10/09	6,070,000	2/4/10	8,500,000	4/27/10	5,530,000	8/11/10	6,830,000
			Freon-11 (µg/m^3)	11/10/09	7,140,000	2/4/10	10,700	4/27/10	5060	8/11/10	8930
			H_2O (µg/m^3)	11/10/09	15,600,000	2/4/10	10,700,000	4/27/10	54[b]	8/11/10	13,400,000
			PCE (µg/m^3)	11/10/09	30,000	2/4/10	50,500	4/27/10	22,900	8/11/10	38,900
			Pressure differential (kPa)	11/10/09	–0.55	2/4/10	0.36	4/27/10	–0.58	8/11/10	–0.25
			TCA (µg/m^3)	11/10/09	29,000	2/4/10	40,400	4/27/10	42,500	8/11/10	63,200
			TCE (µg/m^3)	11/10/09	16,600	2/4/10	13,600	4/27/10	8380	8/11/10	14,900
			CO_2 (µg/m^3)	11/10/09	3,200,000	2/4/10	8,810,000	4/27/10	6,980,000	8/11/10	7,240,000
			Freon-11 (µg/m^3)	11/10/09	3350	2/4/10	11,200	4/27/10	10,200	8/11/10	11,200
			H_2O (µg/m^3)	11/10/09	12,800,000	2/4/10	14,100,000	4/27/10	54.2[b]	8/11/10	13,400,000
			PCE (µg/m^3)	11/10/09	13,900	2/4/10	52,900	4/27/10	42,500	8/11/10	42,500
			Pressure differential (kPa)	11/10/09	–0.45	2/4/10	0.3	4/27/10	–0.49	8/11/10	–0.23
			TCA (µg/m^3)	11/10/09	13,900	2/4/10	39,300	4/27/10	75,300	8/11/10	66,600
			TCE (µg/m^3)	11/10/09	6200	2/4/10	12,900	4/27/10	12,400	8/11/10	13,200
	250	250	CO_2 (µg/m^3)	11/10/09	2,990,000	2/4/10	4,440,000	4/27/10	2,160,000	8/11/10	3,500,000
			Freon-11 (µg/m^3)	11/10/09	3430	2/4/10	4830	4/27/10	2090	8/11/10	3360
			H_2O (µg/m^3)	11/10/09	12,600,000	2/4/10	13,100,000	4/27/10	46.7[b]	8/11/10	11,100,000
			PCE (µg/m^3)	11/10/09	14,600	2/4/10	23,300	4/27/10	9270	8/11/10	16,200
			Pressure differential (kPa)	11/10/09	–0.46	2/4/10	0.27	4/27/10	–0.34	8/11/10	–0.24
			TCA (µg/m^3)	11/10/09	10,600	2/4/10	6140	4/27/10	14,700	8/11/10	19,100
			TCE (µg/m^3)	11/10/09	5270	2/4/10	4990	4/27/10	3310	8/11/10	5620
54-02028	Ambient	Ambient	CO_2 (µg/m^3)	11/16/09	908,000	2/10/10	985,000	4/27/10	917,000	8/12/10	1,110,000
			Freon-11 (µg/m^3)	11/16/09	–130	2/10/10	185	4/27/10	–462	8/12/10	451
			H_2O (µg/m^3)	11/16/09	3,560,000	2/10/10	6,900,000	4/27/10	38.3[b]	8/12/10	12,200,000
			PCE (µg/m^3)	11/16/09	4830	2/10/10	3690	4/27/10	–395	8/12/10	605

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02028 (cont.)	Ambient	Ambient	Pressure differential (kPa)	11/16/09	0	2/10/10	NS	4/27/10	0	8/12/10	0
			TCA (µg/m^3)	11/16/09	–516	2/10/10	–4900	4/27/10	1020	8/12/10	–7900
			TCE (µg/m^3)	11/16/09	2760	2/10/10	2260	4/27/10	1040	8/12/10	–1200
	20	20	CO_2 (µg/m^3)	11/16/09	8,350,000	2/10/10	7,840,000	4/27/10	8,150,000	8/12/10	8,750,000
			Freon-11 (µg/m^3)	11/16/09	1170	2/10/10	1340	4/27/10	287	8/12/10	942
			H_2O (µg/m^3)	11/16/09	7,850,000	2/10/10	7,660,000	4/27/10	55.2[b]	8/12/10	13,900,000
			PCE (µg/m^3)	11/16/09	6430	2/10/10	8600	4/27/10	4900	8/12/10	3350
			Pressure differential (kPa)	11/16/09	–0.03	2/10/10	0	4/27/10	0.05	8/12/10	0.02
			TCA (µg/m^3)	11/16/09	–700	2/10/10	–44,000	4/27/10	17,500	8/12/10	110
			TCE (µg/m^3)	11/16/09	6850	2/10/10	3860	4/27/10	5570	8/12/10	1490
	60	60	CO_2 (µg/m^3)	11/16/09	9,190,000	2/10/10	9,290,000	4/27/10	8,080,000	8/12/10	7,900,000
			Freon-11 (µg/m^3)	11/16/09	1150	2/10/10	1950	4/27/10	1150	8/12/10	221
			H_2O (µg/m^3)	11/16/09	9,570,000	2/10/10	7,910,000	4/27/10	55.5[b]	8/12/10	13,800,000
			PCE (µg/m^3)	11/16/09	11,600	2/10/10	10,600	4/27/10	7320	8/12/10	4070
			Pressure differential (kPa)	11/16/09	–0.05	2/10/10	0	4/27/10	0.07	8/12/10	0.03
			TCA (µg/m^3)	11/16/09	–40,000	2/10/10	–47,000	4/27/10	20,900	8/12/10	10,500
			TCE (µg/m^3)	11/16/09	8770	2/10/10	4410	4/27/10	3540	8/12/10	6270
	100	100	CO_2 (µg/m^3)	11/16/09	1,020,000	2/10/10	9,070,000	4/27/10	7,850,000	8/12/10	7,920,000
			Freon-11 (µg/m^3)	11/16/09	–217	2/10/10	2680	4/27/10	1820	8/12/10	1940
			H_2O (µg/m^3)	11/16/09	10,400,000	2/10/10	8,120,000	4/27/10	55[b]	8/12/10	14,200,000
			PCE (µg/m^3)	11/16/09	3030	2/10/10	12,800	4/27/10	9220	8/12/10	8640
			Pressure differential (kPa)	11/16/09	–0.27	2/10/10	–0.02	4/27/10	0	8/12/10	0.05
			TCA (µg/m^3)	11/16/09	–5800	2/10/10	–41,000	4/27/10	23,300	8/12/10	13,800
			TCE (µg/m^3)	11/16/09	4580	2/10/10	4380	4/27/10	4840	8/12/10	3110

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02028 (cont.)	160	160	CO_2 (µg/m^3)	11/16/09	1,150,000	2/10/10	7,950,000	4/27/10	6,530,000	8/12/10	7,060,000
			Freon-11 (µg/m^3)	11/16/09	369	2/10/10	3060	4/27/10	2160	8/12/10	2560
			H_2O (µg/m^3)	11/16/09	9,700,000	2/10/10	8,270,000	4/27/10	54.3[b]	8/12/10	14,200,000
			PCE (µg/m^3)	11/16/09	2640	2/10/10	16,100	4/27/10	11,000	8/12/10	12,700
			Pressure differential (kPa)	11/16/09	–0.59	2/10/10	–0.06	4/27/10	–0.25	8/12/10	0.06
			TCA (µg/m^3)	11/16/09	–5300	2/10/10	–29,000	4/27/10	23,100	8/12/10	11,100
			TCE (µg/m^3)	11/16/09	2280	2/10/10	5860	4/27/10	5430	8/12/10	4190
	200	200	CO_2 (µg/m^3)	11/16/09	955,000	2/10/10	7,590,000	4/27/10	6,310,000	8/12/10	6,700,000
			Freon-11 (µg/m^3)	11/16/09	–363	2/10/10	3560	4/27/10	2500	8/12/10	2970
			H_2O (µg/m^3)	11/16/09	8,790,000	2/10/10	8,250,000	4/27/10	55.7[b]	8/12/10	17,000,000
			PCE (µg/m^3)	11/16/09	4110	2/10/10	18,200	4/27/10	12,200	8/12/10	11,900
			Pressure differential (kPa)	11/16/09	–0.52	2/10/10	–0.09	4/27/10	–0.33	8/12/10	0.06
			TCA (µg/m^3)	11/16/09	–4600	2/10/10	–26,000	4/27/10	24,000	8/12/10	11,300
			TCE (µg/m^3)	11/16/09	3030	2/10/10	5150	4/27/10	5800	8/12/10	4790
	220	220	CO_2 (µg/m^3)	11/16/09	1,060,000	2/10/10	7,060,000	4/27/10	6,030,000	8/12/10	6,360,000
			Freon-11 (µg/m^3)	11/16/09	225	2/10/10	3210	4/27/10	2690	8/12/10	3000
			H_2O (µg/m^3)	11/16/09	8,320,000	2/10/10	8,400,000	4/27/10	57.1[b]	8/12/10	14,500,000
			PCE (µg/m^3)	11/16/09	3790	2/10/10	15,500	4/27/10	11,700	8/12/10	11,100
			Pressure differential (kPa)	11/16/09	–0.53	2/10/10	–0.09	4/27/10	–0.32	8/12/10	0.06
			TCA (µg/m^3)	11/16/09	–3600	2/10/10	–25,000	4/27/10	23,000	8/12/10	12,200
			TCE (µg/m^3)	11/16/09	4160	2/10/10	4330	4/27/10	4780	8/12/10	4290
	250	250	CO_2 (µg/m^3)	11/16/09	1,000,000	2/10/10	3,970,000	4/27/10	3,600,000	8/12/10	5,440,000
			Freon-11 (µg/m^3)	11/16/09	–21	2/10/10	1440	4/27/10	862	8/12/10	2410
			H_2O (µg/m^3)	11/16/09	7,810,000	2/10/10	9,090,000	4/27/10	51.2[b]	8/12/10	14,500,000
			PCE (µg/m^3)	11/16/09	3020	2/10/10	7780	4/27/10	5250	8/12/10	9200

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02028 (cont.)	250	250	Pressure differential (kPa)	11/16/09	–0.65	2/10/10	–0.05	4/27/10	–0.32	8/12/10	0.06
			TCA (µg/m^3)	11/16/09	–3300	2/10/10	–16,000	4/27/10	14,300	8/12/10	9970
			TCE (µg/m^3)	11/16/09	3710	2/10/10	2620	4/27/10	3500	8/12/10	2910
54-02031	Ambient	Ambient	CO_2 (µg/m^3)	10/29/09	1,130,000	1/27/10	914,000	4/2/10	843,000	7/28/10	811,000
			Freon-11 (µg/m^3)	10/29/09	233	1/27/10	290	4/2/10	27.7	7/28/10	–153
			H_2O (µg/m^3)	10/29/09	6,400,000	1/27/10	7,380,000	4/2/10	18.4[b]	7/28/10	13,800,000
			PCE (µg/m^3)	10/29/09	3720	1/27/10	4390	4/2/10	3610	7/28/10	–2700
			Pressure differential (kPa)	10/29/09	0	2/11/10	NS	4/2/10	0	7/28/10	0
			TCA (µg/m^3)	10/29/09	–4900	1/27/10	–5300	4/2/10	3140	7/28/10	–2000
			TCE (µg/m^3)	10/29/09	3130	1/27/10	480	4/2/10	677	7/28/10	690
	20	20	CO_2 (µg/m^3)	10/29/09	18,100,000	1/27/10	22,500,000	4/2/10	1,890,000	7/28/10	23,700,000
			Freon-11 (µg/m^3)	10/29/09	1880	1/27/10	2960	4/2/10	904	7/28/10	609
			H_2O (µg/m^3)	10/29/09	7,910,000	1/27/10	10,400,000	4/2/10	40.7[b]	7/28/10	14,100,000
			PCE (µg/m^3)	10/29/09	13,700	1/27/10	17,200	4/2/10	21,200	7/28/10	10,500
			Pressure differential (kPa)	10/29/09	0	1/27/10	0	4/2/10	0	7/28/10	0
			TCA (µg/m^3)	10/29/09	–70,000	1/27/10	3850	4/2/10	40,500	7/28/10	114,000
			TCE (µg/m^3)	10/29/09	17,300	1/27/10	14,100	4/2/10	23,400	7/28/10	21,500
	60	60	CO_2 (µg/m^3)	10/29/09	17,500,000	1/27/10	16,800,000	4/2/10	1,600,000	7/28/10	14,700,000
			Freon-11 (µg/m^3)	10/29/09	5910	1/27/10	4040	4/2/10	3420	7/28/10	3400
			H_2O (µg/m^3)	10/29/09	8,050,000	1/27/10	10,500,000	4/2/10	45.7[b]	7/28/10	14,100,000
			PCE (µg/m^3)	10/29/09	32,200	1/27/10	27,400	4/2/10	30,400	7/28/10	22,500
			Pressure differential (kPa)	10/29/09	0	1/27/10	0.03	4/2/10	–0.05	7/28/10	–0.02
			TCA (µg/m^3)	10/29/09	36,800	1/27/10	71,700	4/2/10	110,000	7/28/10	148,000
			TCE (µg/m^3)	10/29/09	38,200	1/27/10	30,400	4/2/10	35,800	7/28/10	31,200

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031 (cont.)	100	100	CO_2 (µg/m^3)	10/29/09	14,100,000	1/27/10	13,100,000	4/2/10	12,200,000	7/28/10	12,500,000
			Freon-11 (µg/m^3)	10/29/09	8400	1/27/10	5790	4/2/10	5010	7/28/10	6310
			H_2O (µg/m^3)	10/29/09	8,250,000	1/27/10	10,400,000	4/2/10	47.5[b]	7/28/10	14,200,000
			PCE (µg/m^3)	10/29/09	43,400	1/27/10	36,000	4/2/10	38,500	7/28/10	33,400
			Pressure differential (kPa)	10/29/09	0	1/27/10	0	4/2/10	–0.07	7/28/10	–0.1
			TCA (µg/m^3)	10/29/09	113,000	1/27/10	132,000	4/2/10	151,000	7/28/10	198,000
			TCE (µg/m^3)	10/29/09	48,000	1/27/10	37,000	4/2/10	45,500	7/28/10	40,400
	160	160	CO_2 (µg/m^3)	10/29/09	12,600,000	1/27/10	10,100,000	4/2/10	10,300,000	7/28/10	11,200,000
			Freon-11 (µg/m^3)	10/29/09	10,500	1/27/10	7010	4/2/10	7170	7/28/10	8260
			H_2O (µg/m^3)	10/29/09	8,370,000	1/27/10	10,200,000	4/2/10	48[b]	7/28/10	13,800,000
			PCE (µg/m^3)	10/29/09	50,900	1/27/10	46,900	4/2/10	44,000	7/28/10	43,800
			Pressure differential (kPa)	10/29/09	0.08	1/27/10	0	4/2/10	0	7/28/10	–0.1
			TCA (µg/m^3)	10/29/09	125,000	1/27/10	142,000	4/2/10	150,000	7/28/10	213,000
			TCE (µg/m^3)	10/29/09	48,800	1/27/10	39,600	4/2/10	43,900	7/28/10	45,400
	200	200	CO_2 (µg/m^3)	10/29/09	12,200,000	1/27/10	6,500,000	4/2/10	10,400,000	7/28/10	10,300,000
			Freon-11 (µg/m^3)	10/29/09	11,200	1/27/10	6830	4/2/10	6710	7/28/10	9290
			H_2O (µg/m^3)	10/29/09	8,470,000	1/27/10	9,570,000	4/2/10	47.9[b]	7/28/10	14,400,000
			PCE (µg/m^3)	10/29/09	52,600	1/27/10	27,900	4/2/10	50,800	7/28/10	44,300
			Pressure differential (kPa)	10/29/09	0.26	1/27/10	–0.2	4/2/10	0.08	7/28/10	–0.13
			TCA (µg/m^3)	10/29/09	105,000	1/27/10	76,300	4/2/10	140,000	7/28/10	180,000
			TCE (µg/m^3)	10/29/09	44,500	1/27/10	21,800	4/2/10	44,300	7/28/10	39,800
	220	220	CO_2 (µg/m^3)	10/29/09	3,720,000	1/27/10	1,990,000	4/2/10	4,200,000	7/28/10	2,280,000
			Freon-11 (µg/m^3)	10/29/09	2130	1/27/10	–672	4/2/10	2400	7/28/10	343
			H_2O (µg/m^3)	10/29/09	7,580,000	1/27/10	6,600,000	4/2/10	43.8[b]	7/28/10	13,600,000
			PCE (µg/m^3)	10/29/09	12,700	1/27/10	191	4/2/10	15,100	7/28/10	4190

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031 (cont.)	220	220	Pressure differential (kPa)	10/29/09	0	1/27/10	0	4/2/10	0	7/28/10	0
			TCA (µg/m^3)	10/29/09	10,200	1/27/10	5100	4/2/10	34,800	7/28/10	22,300
			TCE (µg/m^3)	10/29/09	11,000	1/27/10	3260	4/2/10	13,800	7/28/10	7070
	260	260	CO_2 (µg/m^3)	10/29/09	7,720,000	1/27/10	2,130,000	4/2/10	5,140,000	7/28/10	8,040,000
			Freon-11 (µg/m^3)	10/29/09	6650	1/27/10	2220	4/2/10	3270	7/28/10	6660
			H_2O (µg/m^3)	10/29/09	8,320,000	1/27/10	8,440,000	4/2/10	49.8[b]	7/28/10	14,600,000
			PCE (µg/m^3)	10/29/09	31,600	1/27/10	11,800	4/2/10	23,800	7/28/10	30,900
			Pressure differential (kPa)	10/29/09	0.1	1/27/10	0	4/2/10	0.07	7/28/10	–0.02
			TCA (µg/m^3)	10/29/09	40,100	1/27/10	12,900	4/2/10	39,600	7/28/10	112,000
			TCE (µg/m^3)	10/29/09	23,000	1/27/10	3940	4/2/10	17,400	7/28/10	25,200
54-02034	Ambient	Ambient	CO_2 (µg/m^3)	10/27/09	837,000	1/29/10	1,240,000	4/2/10	888,000	8/2/10	856,000
			Freon-11 (µg/m^3)	10/27/09	759	1/29/10	257	4/2/10	–233	8/2/10	176
			H_2O (µg/m^3)	10/27/09	5,530,000	1/29/10	7,050,000	4/2/10	25.4[b]	8/2/10	17,000,000
			PCE (µg/m^3)	10/27/09	4880	1/29/10	3580	4/2/10	1130	8/2/10	–896
			Pressure differential (kPa)	10/27/09	0	2/12/10	0	4/2/10	0	8/2/10	0
			TCA (µg/m^3)	10/27/09	–2200	1/29/10	–4500	4/2/10	–3400	8/2/10	–4600
			TCE (µg/m^3)	10/27/09	304	1/29/10	2040	4/2/10	1280	8/2/10	–1200
	20	20	CO_2 (µg/m^3)	10/27/09	32,900,000	1/29/10	25,100,000	4/2/10	8,640,000	8/2/10	26,000,000
			Freon-11 (µg/m^3)	10/27/09	929	1/29/10	1260	4/2/10	157	8/2/10	–1200
			H_2O (µg/m^3)	10/27/09	11,200,000	1/29/10	7,470,000	4/2/10	42.8[b]	8/2/10	14,200,000
			PCE (µg/m^3)	10/27/09	8590	1/29/10	6790	4/2/10	4650	8/2/10	1350
	20	20	Pressure differential (kPa)	10/27/09	0.12	2/12/10	0.02	4/2/10	–0.7	8/2/10	0
			TCA (µg/m^3)	10/27/09	–129,000	1/29/10	–88,000	4/2/10	–2100	8/2/10	22,500
			TCE (µg/m^3)	10/27/09	12,900	1/29/10	4150	4/2/10	9530	8/2/10	10,700

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034 (cont.)	60	60	CO_2 (µg/m^3)	10/27/09	20,100,000	1/29/10	16,100,000	4/2/10	15,300,000	8/2/10	22,300,000
			Freon-11 (µg/m^3)	10/27/09	927	1/29/10	1050	4/2/10	–1000	8/2/10	–932
			H_2O (µg/m^3)	10/27/09	12,500,000	1/29/10	7,270,000	4/2/10	43.8[b]	8/2/10	18,400,000
			PCE (µg/m^3)	10/27/09	7450	1/29/10	6000	4/2/10	3400	8/2/10	–630
			Pressure differential (kPa)	10/27/09	0.33	2/12/10	–0.02	4/2/10	–0.1	8/2/10	0
			TCA (µg/m^3)	10/27/09	–42,000	1/29/10	–46,000	4/2/10	–459,000	8/2/10	17,500
			TCE (µg/m^3)	10/27/09	16,200	1/29/10	6830	4/2/10	13,700	8/2/10	10,800
	100	100	CO_2 (µg/m^3)	10/27/09	17,700,000	1/29/10	11,400,000	4/2/10	12,600,000	8/2/10	15,300,000
			Freon-11 (µg/m^3)	10/27/09	–135	1/29/10	744	4/2/10	–712	8/2/10	36.4
			H_2O (µg/m^3)	10/27/09	13,400,000	1/29/10	7,390,000	4/2/10	45.1[b]	8/2/10	14,000,000
			PCE (µg/m^3)	10/27/09	7330	1/29/10	6630	4/2/10	3230	8/2/10	2570
			Pressure differential (kPa)	10/27/09	0.54	2/12/10	–0.07	4/2/10	–0.11	8/2/10	–0.04
			TCA (µg/m^3)	10/27/09	–20,000	1/29/10	–12,000	4/2/10	14,600	8/2/10	49,300
			TCE (µg/m^3)	10/27/09	22,500	1/29/10	8560	4/2/10	16,200	8/2/10	13,700
	160	160	CO_2 (µg/m^3)	10/27/09	11,700,000	1/29/10	6,510,000	4/2/10	9,550,000	8/2/10	11,600,000
			Freon-11 (µg/m^3)	10/27/09	892	1/29/10	514	4/2/10	26.6	8/2/10	966
			H_2O (µg/m^3)	10/27/09	12,900,000	1/29/10	7,140,000	4/2/10	44.1[b]	8/2/10	14,100,000
			PCE (µg/m^3)	10/27/09	9840	1/29/10	4430	4/2/10	4410	8/2/10	2550
			Pressure differential (kPa)	10/27/09	0.54	2/12/10	–0.18	4/2/10	0.05	8/2/10	–0.06
			TCA (µg/m^3)	10/27/09	–23,000	1/29/10	–10,000	4/2/10	7280	8/2/10	35,000
			TCE (µg/m^3)	10/27/09	11,300	1/29/10	5030	4/2/10	10,800	8/2/10	8110
	200	200	CO_2 (µg/m^3)	10/27/09	12,000,000	1/29/10	1,600,000	4/2/10	8,373,000	8/2/10	10,100,000
			Freon-11 (µg/m^3)	10/27/09	437	1/29/10	47.4	4/2/10	63	8/2/10	542
			H_2O (µg/m^3)	10/27/09	12,900,000	1/29/10	6,990,000	4/2/10	40.4[b]	8/2/10	14,000,000
			PCE (µg/m^3)	10/27/09	5060	1/29/10	2970	4/2/10	4790	8/2/10	2220

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034 (cont.)	200	200	Pressure differential (kPa)	10/27/09	0.46	2/12/10	–0.19	4/2/10	0.11	8/2/10	–0.05
			TCA (µg/m^3)	10/27/09	–28,000	1/29/10	–6000	4/2/10	109	8/2/10	21,800
			TCE (µg/m^3)	10/27/09	12,200	1/29/10	2590	4/2/10	8360	8/2/10	7750
	220	220	CO_2 (µg/m^3)	10/27/09	10,900,000	1/29/10	1,600,000	4/2/10	1,010,000	8/2/10	9,040,000
			Freon-11 (µg/m^3)	10/27/09	539	1/29/10	197	4/2/10	–486	8/2/10	280
			H_2O (µg/m^3)	10/27/09	13,400,000	1/29/10	6,490,000	4/2/10	38.2[b]	8/2/10	13,500,000
			PCE (µg/m^3)	10/27/09	7600	1/29/10	3050	4/2/10	422	8/2/10	2020
			Pressure differential (kPa)	10/27/09	0.56	2/12/10	–0.2	4/2/10	0.15	8/2/10	–0.04
			TCA (µg/m^3)	10/27/09	–29,000	1/29/10	–5200	4/2/10	–3900	8/2/10	18,200
			TCE (µg/m^3)	10/27/09	11,200	1/29/10	1870	4/2/10	1660	8/2/10	5100
	260	260	CO_2 (µg/m^3)	10/27/09	6,450,000	1/29/10	1,260,000	4/2/10	3,650,000	8/2/10	6,640,000
			Freon-11 (µg/m^3)	10/27/09	328	1/29/10	109	4/2/10	355	8/2/10	8410
			H_2O (µg/m^3)	10/27/09	13,700,000	1/29/10	7,060,000	4/2/10	41.2[b]	8/2/10	14,100,000
			PCE (µg/m^3)	10/27/09	4930	1/29/10	2740	4/2/10	1790	8/2/10	176
			Pressure differential (kPa)	10/27/09	0.45	2/12/10	–0.17	4/2/10	0.15	8/2/10	–0.04
			TCA (µg/m^3)	10/27/09	–28,000	1/29/10	–3500	4/2/10	–8700	8/2/10	–479
			TCE (µg/m^3)	10/27/09	4280	1/29/10	2230	4/2/10	1380	8/2/10	1510
	300	300	CO_2 (µg/m^3)	10/27/09	4,560,000	1/29/10	1,310,000	4/2/10	3,590,000	8/2/10	4,390,000
			Freon-11 (µg/m^3)	10/27/09	–380	1/29/10	44.4	4/2/10	–870	8/2/10	–642
			H_2O (µg/m^3)	10/27/09	14,300,000	1/29/10	6,930,000	4/2/10	43.8[b]	8/2/10	13,900,000
			PCE (µg/m^3)	10/27/09	1050	1/29/10	3070	4/2/10	4510	8/2/10	–1600
			Pressure differential (kPa)	10/27/09	0.42	2/12/10	–0.18	4/2/10	0.18	8/2/10	–0.05
			TCA (µg/m^3)	10/27/09	–19,000	1/29/10	–4600	4/2/10	–11,000	8/2/10	3100
			TCE (µg/m^3)	10/27/09	4930	1/29/10	1950	4/2/10	2260	8/2/10	1320

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02089	Ambient	Ambient	CO_2 (µg/m^3)	11/3/09	1,100,000	1/26/10	3,030,000	4/20/10	819,000	7/29/10	882,000
			Freon-11 (µg/m^3)	11/3/09	–206	1/26/10	307	4/20/10	–73	7/29/10	426
			H_2O (µg/m^3)	11/3/09	9,390,000	1/26/10	9,830,000	4/20/10	44.7[b]	7/29/10	13,100,000
			PCE (µg/m^3)	11/3/09	2200	1/26/10	4500	4/20/10	2090	7/29/10	927,000
			Pressure differential (kPa)	11/3/09	0	1/26/10	NS	4/20/10	0	7/29/10	0
			TCA (µg/m^3)	11/3/09	–5500	1/26/10	–15,000	4/20/10	–335	7/29/10	–6200
			TCE (µg/m^3)	11/3/09	2590	1/26/10	2980	4/20/10	2060	7/29/10	–1300
	13	13	CO_2 (µg/m^3)	11/3/09	61,100,000	1/26/10	55,000,000	4/20/10	49,800,000	7/29/10	50,200,000
			Freon-11 (µg/m^3)	11/3/09	84,800	1/26/10	113,000	4/20/10	147,000	7/29/10	101,000
			H_2O (µg/m^3)	11/3/09	17,300,000	1/26/10	7,770,000	4/20/10	59.4[b]	7/29/10	17,600,000
			PCE (µg/m^3)	11/3/09	490,000	1/26/10	722,000	4/20/10	911,000	7/29/10	593,000
			Pressure differential (kPa)	11/3/09	0	1/26/10	0.02	4/20/10	0.04	7/29/10	0.05
			TCA (µg/m^3)	11/3/09	1,420,000	1/26/10	1,450,000	4/20/10	1,990,000	7/29/10	1,520,000
			TCE (µg/m^3)	11/3/09	768,000	1/26/10	569,000	4/20/10	553,000	7/29/10	523,000
	31	31	CO_2 (µg/m^3)	11/3/09	62,100,000	1/26/10	57,900,000	4/20/10	52,900,000	7/29/10	51,800,000
			Freon-11 (µg/m^3)	11/3/09	224,000	1/26/10	196,000	4/20/10	199,000	7/29/10	198,000
			H_2O (µg/m^3)	11/3/09	17,500,000	1/26/10	7,490,000	4/20/10	58.2[b]	7/29/10	16,300,000
			PCE (µg/m^3)	11/3/09	1,220,000	1/26/10	1,330,000	4/20/10	1,340,000	7/29/10	1,180,000
			Pressure differential (kPa)	11/3/09	0	1/26/10	0.02	4/20/10	0.05	7/29/10	0.08
			TCA (µg/m^3)	11/3/09	2,390,000	1/26/10	2,360,000	4/20/10	2,780,000	7/29/10	2,520,000
			TCE (µg/m^3)	11/3/09	643,000	1/26/10	558,000	4/20/10	641,000	7/29/10	591,000
	46	46	CO_2 (µg/m^3)	11/3/09	56,200,000	1/26/10	57,100,000	4/20/10	55,500,000	7/29/10	51,900,000
			Freon-11 (µg/m^3)	11/3/09	230,000	1/26/10	243,000	4/20/10	259,000	7/29/10	251,000
			H_2O (µg/m^3)	11/3/09	17,200,000	1/26/10	7,880,000	4/20/10	57.5[b]	7/29/10	16,500,000
			PCE (µg/m^3)	11/3/09	1,250,000	1/26/10	1,650,000	4/20/10	1,680,000	7/29/10	1,460,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02089 (cont.)	46	46	Pressure differential (kPa)	11/3/09	0	1/26/10	0	4/20/10	0.07	7/29/10	0.05
			TCA (µg/m^3)	11/3/09	2,560,000	1/26/10	3,090,000	4/20/10	3,740,000	7/29/10	3,280,000
			TCE (µg/m^3)	11/3/09	583,000	1/26/10	601,000	4/20/10	722,000	7/29/10	644,000
	86	86	CO_2 (µg/m^3)	11/3/09	52,300,000	1/26/10	47,800,000	4/20/10	50,600,000	7/29/10	48,100,000
			Freon-11 (µg/m^3)	11/3/09	253,000	1/26/10	223,000	4/20/10	262,000	7/29/10	269,000
			H_2O (µg/m^3)	11/3/09	17,400,000	1/26/10	8,080,000	4/20/10	58.5[b]	7/29/10	16,700,000
			PCE (µg/m^3)	11/3/09	1,370,000	1/26/10	1,510,000	4/20/10	1,580,000	7/29/10	1,550,000
			Pressure differential (kPa)	11/3/09	0	1/26/10	0.03	4/20/10	0.13	7/29/10	0.1
			TCA (µg/m^3)	11/3/09	3,330,000	1/26/10	3,100,000	4/20/10	4,020,000	7/29/10	3,680,000
			TCE (µg/m^3)	11/3/09	811,000	1/26/10	650,000	4/20/10	758,000	7/29/10	720,000
54-24238	Ambient	Ambient	CO_2 (µg/m^3)	11/3/09	1,280,000	1/26/10	1,790,000	4/21/10	1,340,000	7/27/10	934,000
			Freon-11 (µg/m^3)	11/3/09	–304	1/26/10	595	4/21/10	–95	7/27/10	727
			H_2O (µg/m^3)	11/3/09	8,780,000	1/26/10	1,700,000	4/21/10	47[b]	7/27/10	15,100,000
			PCE (µg/m^3)	11/3/09	5030	1/26/10	7020	4/21/10	3510	7/27/10	–1300
			Pressure differential (kPa)	11/3/09	0	1/26/10	NS	4/21/10	0	7/27/10	0
			TCA (µg/m^3)	11/3/09	–7500	1/26/10	–14,000	4/21/10	–2700	7/27/10	–8100
			TCE (µg/m^3)	11/3/09	3930	1/26/10	3210	4/21/10	2200	7/27/10	–867
	44	43–45	CO_2 (µg/m^3)	11/3/09	68,300,000	1/26/10	1,300,000	4/21/10	53,100,000	7/27/10	55,900,000
			Freon-11 (µg/m^3)	11/3/09	285,000	1/26/10	301	4/21/10	302,000	7/27/10	286,000
			H_2O (µg/m^3)	11/3/09	19,300,000	1/26/10	4,850,000	4/21/10	61.9[b]	7/27/10	16,100,000
			PCE (µg/m^3)	11/3/09	1,640,000	1/26/10	6850	4/21/10	1,950,000	7/27/10	1,760,000
			Pressure differential (kPa)	11/3/09	0.06	1/26/10	0.38	4/21/10	0	7/27/10	0.07
			TCA (µg/m^3)	11/3/09	3,030,000	1/26/10	–6800	4/21/10	3,320,000	7/27/10	3,020,000
			TCE (µg/m^3)	11/3/09	685,000	1/26/10	3840	4/21/10	530,000	7/27/10	586,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24238 (cont.)	64	63–65	CO_2 (µg/m^3)	11/3/09	53,500,000	1/26/10	38,200,000	4/21/10	47,000,000	7/27/10	48,300,000
			Freon-11 (µg/m^3)	11/3/09	295,000	1/26/10	195,000	4/21/10	294	7/27/10	311,000
			H_2O (µg/m^3)	11/3/09	18,200,000	1/26/10	10,500,000	4/21/10	57.4[b]	7/27/10	16,100,000
			PCE (µg/m^3)	11/3/09	1,670,000	1/26/10	1,340,000	4/21/10	1,790,000	7/27/10	1,850,000
			Pressure differential (kPa)	11/3/09	0.03	1/26/10	1.01	4/21/10	0	7/27/10	0.07
			TCA (µg/m^3)	11/3/09	3,250,000	1/26/10	2,220,000	4/21/10	3,400,000	7/27/10	3,310,000
			TCE (µg/m^3)	11/3/09	603,000	1/26/10	366,000	4/21/10	489,000	7/27/10	556,000
	84	83–85	CO_2 (µg/m^3)	11/3/09	51,400,000	1/26/10	1,240,000	4/21/10	41,500,000	7/27/10	45,200,000
			Freon-11 (µg/m^3)	11/3/09	287,000	1/26/10	423	4/21/10	232,000	7/27/10	287,000
			H_2O (µg/m^3)	11/3/09	18,100,000	1/26/10	4,360,000	4/21/10	59[b]	7/27/10	16,000,000
			PCE (µg/m^3)	11/3/09	1,600,000	1/26/10	6730	4/21/10	1,350,000	7/27/10	1,650,000
			Pressure differential (kPa)	11/3/09	0.04	1/26/10	0.35	4/21/10	0	7/27/10	0.02
			TCA (µg/m^3)	11/3/09	3,110,000	1/26/10	–9000	4/21/10	2,840,000	7/27/10	29,500
			TCE (µg/m^3)	11/3/09	629,000	1/26/10	2560	4/21/10	510,000	7/27/10	559,000
54-24239	Ambient	Ambient	CO_2 (µg/m^3)	11/2/09	961,000	1/25/10	1,310,000	4/19/10	1,670,000	7/29/10	809,000
			Freon-11 (µg/m^3)	11/2/09	113	1/25/10	387	4/19/10	131	7/29/10	–139
			H_2O (µg/m^3)	11/2/09	7,190,000	1/25/10	6,080,000	4/19/10	53.3[b]	7/29/10	13,800,000
			PCE (µg/m^3)	11/2/09	3130	1/25/10	11,200	4/19/10	3980	7/29/10	–1100
			Pressure differential (kPa)	11/2/09	0	1/25/10	NS	4/19/10	0	7/29/10	0
			TCA (µg/m^3)	11/2/09	–2200	1/25/10	–8600	4/19/10	–5900	7/29/10	3900
			TCE (µg/m^3)	11/2/09	2020	1/25/10	866	4/19/10	2780	7/29/10	–612
	25	24–26	CO_2 (µg/m^3)	11/2/09	22,600,000	1/25/10	24,400,000	4/19/10	2,250,000	7/29/10	21,100,000
			Freon-11 (µg/m^3)	11/2/09	27,400	1/25/10	33,700	4/19/10	35700	7/29/10	24300
			H_2O (µg/m^3)	11/2/09	16,900,000	1/25/10	6,360,000	4/19/10	56.3[b]	7/29/10	17,400,000
			PCE (µg/m^3)	11/2/09	405,000	1/25/10	533,000	4/19/10	514,000	7/29/10	4000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24239 (cont.)	25	24–26	Pressure differential (kPa)	11/2/09	–0.05	1/25/10	–0.09	4/19/10	0.05	7/29/10	0.06
			TCA (µg/m^3)	11/2/09	486,000	1/25/10	569,000	4/19/10	657,000	7/29/10	600,000
			TCE (µg/m^3)	11/2/09	147,000	1/25/10	142,000	4/19/10	145,000	7/29/10	157,000
	50	49–51	CO_2 (µg/m^3)	11/2/09	24,100,000	1/25/10	25,100,000	4/19/10	2,360,000	7/29/10	21,300,000
			Freon-11 (µg/m^3)	11/2/09	34,300	1/25/10	36,800	4/19/10	41,000	7/29/10	289,000
			H_2O (µg/m^3)	11/2/09	18,200,000	1/25/10	6,660,000	4/19/10	59.4[b]	7/29/10	16,700,000
			PCE (µg/m^3)	11/2/09	474,000	1/25/10	564,000	4/19/10	571,000	7/29/10	475,000
			Pressure differential (kPa)	11/2/09	–0.08	1/25/10	–0.09	4/19/10	0.05	7/29/10	0.06
			TCA (µg/m^3)	11/2/09	656,000	1/25/10	677,000	4/19/10	778,000	7/29/10	696,000
			TCE (µg/m^3)	11/2/09	193,000	1/25/10	168,000	4/19/10	170,000	7/29/10	178,000
	75	74–76	CO_2 (µg/m^3)	11/2/09	22,300,000	1/25/10	23,000,000	4/19/10	2,250,000	7/29/10	21,100,000
			Freon-11 (µg/m^3)	11/2/09	33,800	1/25/10	36,000	4/19/10	42,500	7/29/10	32,100
			H_2O (µg/m^3)	11/2/09	19,600,000	1/25/10	7,050,000	4/19/10	61.5[b]	7/29/10	15,800,000
			PCE (µg/m^3)	11/2/09	452,000	1/25/10	526,000	4/19/10	558,000	7/29/10	482,000
			Pressure differential (kPa)	11/2/09	–0.13	1/25/10	-0.13	4/19/10	0.05	7/29/10	0.06
			TCA (µg/m^3)	11/2/09	681,000	1/25/10	687,000	4/19/10	832,000	7/29/10	777,000
			TCE (µg/m^3)	11/2/09	192,000	1/25/10	167,000	4/19/10	181,000	7/29/10	195,000
	99.5	98.5-100.5	CO_2 (µg/m^3)	11/2/09	22,300,000	1/25/10	23,800,000	4/19/10	2,300,000	7/29/10	21,500,000
			Freon-11 (µg/m^3)	11/2/09	35,900	1/25/10	39,500	4/19/10	47,100	7/29/10	35,900
			H_2O (µg/m^3)	11/2/09	19,200,000	1/25/10	6,680,000	4/19/10	60.7[b]	7/29/10	15,500,000
			PCE (µg/m^3)	11/2/09	426,000	1/25/10	526,000	4/19/10	554,000	7/29/10	475,000
			Pressure differential (kPa)	11/2/09	–0.12	1/25/10	-0.11	4/19/10	0.05	7/29/10	0.06
			TCA (µg/m^3)	11/2/09	744,000	1/25/10	757,000	4/19/10	951,000	7/29/10	893,000
			TCE (µg/m^3)	11/2/09	205,000	1/25/10	185,000	4/19/10	204,000	7/29/10	218,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24240	Ambient	Ambient	CO_2 (µg/m^3)	11/2/09	1,340,000	1/25/10	1,540,000	4/19/10	1,180,000	8/3/10	862,000
			Freon-11 (µg/m^3)	11/2/09	–177	1/25/10	476	4/19/10	39.1	8/3/10	1820
			H_2O (µg/m^3)	11/2/09	6,620,000	1/25/10	6,860,000	4/19/10	45.6[b]	8/3/10	13,200,000
			PCE (µg/m^3)	11/2/09	4760	1/25/10	12,200	4/19/10	2350	8/3/10	-1100
			Pressure differential (kPa)	11/2/09	0	1/25/10	NS	4/19/10	0	8/3/10	0
			TCA (µg/m^3)	11/2/09	–1300	1/25/10	11,000	4/19/10	–1700	8/3/10	3800
			TCE (µg/m^3)	11/2/09	259	1/25/10	1560	4/19/10	1880	8/3/10	–5800
	28	27-29	CO_2 (µg/m^3)	11/2/09	35,800,000	1/25/10	32,700,000	4/19/10	2,950,000	8/3/10	32,600,000
			Freon-11 (µg/m^3)	11/2/09	36,500	1/25/10	55,000	4/19/10	58,500	8/3/10	61,800
			H_2O (µg/m^3)	11/2/09	21,500,000	1/25/10	7,230,000	4/19/10	60.4[b]	8/3/10	18,300,000
			PCE (µg/m^3)	11/2/09	470,000	1/25/10	627,000	4/19/10	597,000	8/3/10	611,000
			Pressure differential (kPa)	11/2/09	0	1/25/10	0	4/19/10	0	8/3/10	–0.03
			TCA (µg/m^3)	11/2/09	1,760,000	1/25/10	1,810,000	4/19/10	1,940,000	8/3/10	1,700,000
			TCE (µg/m^3)	11/2/09	1,000,000	1/25/10	1,000,000	4/19/10	1,010,000	8/3/10	1,200,000
	53	52-54	CO_2 (µg/m^3)	11/2/09	35,600,000	1/25/10	35,000,000	4/19/10	2,680,000	8/3/10	29,100,000
			Freon-11 (µg/m^3)	11/2/09	66,700	1/25/10	76,600	4/19/10	75,700	8/3/10	111,000
			H_2O (µg/m^3)	11/2/09	23,200,000	1/25/10	7,220,000	4/19/10	58.5[b]	8/3/10	21,100,000
			PCE (µg/m^3)	11/2/09	600,000	1/25/10	748,000	4/19/10	619,000	8/3/10	802,000
			Pressure differential (kPa)	11/2/09	0	1/25/10	0	4/19/10	0	8/3/10	–0.05
			TCA (µg/m^3)	11/2/09	2,780,000	1/25/10	2,730,000	4/19/10	2,540,000	8/3/10	2,790,000
			TCE (µg/m^3)	11/2/09	1,210,000	1/25/10	1,080,000	4/19/10	981,000	8/3/10	1,270,000
	78	77-79	CO_2 (µg/m^3)	11/2/09	26,500,000	1/25/10	27,800,000	4/19/10	2,250,000	8/3/10	23,800,000
			Freon-11 (µg/m^3)	11/2/09	50,900	1/25/10	54,700	4/19/10	49,200	8/3/10	71,800
			H_2O (µg/m^3)	11/2/09	19,600,000	1/25/10	6,910,000	4/19/10	59.1[b]	8/3/10	15,900,000
			PCE (µg/m^3)	11/2/09	448,000	1/25/10	535,000	4/19/10	460,000	8/3/10	569,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24240 (cont.)	78	77–79	Pressure differential (kPa)	11/2/09	–0.07	1/25/10	-0.09	4/19/10	-0.03	8/3/10	–0.12
			TCA (µg/m^3)	11/2/09	1,890,000	1/25/10	1,880,000	4/19/10	1,870,000	8/3/10	1,930,000
			TCE (µg/m^3)	11/2/09	630,000	1/25/10	551,000	4/19/10	508,000	8/3/10	636,000
	103	102-104	CO_2 (µg/m^3)	11/2/09	19,900,000	1/25/10	20,800,000	4/19/10	1,800,000	8/3/10	18,500,000
			Freon-11 (µg/m^3)	11/2/09	33,000	1/25/10	35,900	4/19/10	29,300	8/3/10	35,700
			H_2O (µg/m^3)	11/2/09	17,600,000	1/25/10	7,110,000	4/19/10	61.5[b]	8/3/10	15,300,000
			PCE (µg/m^3)	11/2/09	305,000	1/25/10	351,000	4/19/10	297,000	8/3/10	341,000
			Pressure differential (kPa)	11/2/09	–0.2	1/25/10	-0.11	4/19/10	-0.04	8/3/10	–0.18
			TCA (µg/m^3)	11/2/09	1,430,000	1/25/10	1,410,000	4/19/10	1,430,000	8/3/10	1,430,000
			TCE (µg/m^3)	11/2/09	412,000	1/25/10	353,000	4/19/10	338,000	8/3/10	376,000
	128	127-129	CO_2 (µg/m^3)	11/2/09	17,300,000	1/25/10	17,800,000	4/19/10	1,600,000	8/3/10	16,400,000
			Freon-11 (µg/m^3)	11/2/09	27,500	1/25/10	28,300	4/19/10	24,700	8/3/10	26,000
			H_2O (µg/m^3)	11/2/09	17,700,000	1/25/10	6,880,000	4/19/10	56.8[b]	8/3/10	15,500,000
			PCE (µg/m^3)	11/2/09	236,000	1/25/10	249,000	4/19/10	218,000	8/3/10	237,000
			Pressure differential (kPa)	11/2/09	–0.32	1/25/10	–0.28	4/19/10	–0.03	8/3/10	–0.23
			TCA (µg/m^3)	11/2/09	1,220,000	1/25/10	1,160,000	4/19/10	1,260,000	8/3/10	1,210,000
			TCE (µg/m^3)	11/2/09	323,000	1/25/10	263,000	4/19/10	271,000	8/3/10	284,000
	153	152-154	CO_2 (µg/m^3)	11/2/09	16,100,000	1/25/10	14,400,000	4/19/10	1,400,000	8/3/10	14,900,000
			Freon-11 (µg/m^3)	11/2/09	25,900	1/25/10	22,000	4/19/10	22,100	8/3/10	23,800
			H_2O (µg/m^3)	11/2/09	16,400,000	1/25/10	6,680,000	4/19/10	61.4[b]	8/3/10	20,000,000
			PCE (µg/m^3)	11/2/09	205,000	1/25/10	181,000	4/19/10	181,000	8/3/10	186,000
			Pressure differential (kPa)	11/2/09	–0.49	1/25/10	0	4/19/10	0	8/3/10	0
			TCA (µg/m^3)	11/2/09	1,130,000	1/25/10	919,000	4/19/10	1,120,000	8/3/10	1,110,000
			TCE (µg/m^3)	11/2/09	283,000	1/25/10	207,000	4/19/10	244,000	8/3/10	253,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241	Ambient	Ambient	CO_2 (µg/m^3)	11/2/09	7,590,000	2/11/10	1,030,000	4/20/10	907,000	8/3/10	885,000
			Freon-11 (µg/m^3)	11/2/09	–772	2/11/10	322	4/20/10	506	8/3/10	687,000
			H_2O (µg/m^3)	11/2/09	7,590,000	2/11/10	9,590,000	4/20/10	47.6[b]	8/3/10	14,400,000
			PCE (µg/m^3)	11/2/09	2409.73	2/11/10	5140	4/20/10	2930	8/3/10	4100
			Pressure differential (kPa)	11/2/09	0	2/11/10	NS	4/20/10	0	8/3/10	0
			TCA (µg/m^3)	11/2/09	–3400	2/11/10	–5800	4/20/10	–389	8/3/10	–7100
			TCE (µg/m^3)	11/2/09	4120	2/11/10	2390	4/20/10	1200	8/3/10	–5200
	73	71-74	CO_2 (µg/m^3)	11/2/09	31,900,000	2/11/10	33,600,000	4/20/10	2,660,000	8/3/10	30,300,000
			Freon-11 (µg/m^3)	11/2/09	74,900	2/11/10	70,400	4/20/10	63,500	8/3/10	71,900
			H_2O (µg/m^3)	11/2/09	18,700,000	2/11/10	10,500,000	4/20/10	62.9[b]	8/3/10	17,000,000
			PCE (µg/m^3)	11/2/09	503,000	2/11/10	580,000	4/20/10	457,000	8/3/10	523,000
			Pressure differential (kPa)	11/2/09	–0.15	2/11/10	–0.03	4/20/10	0.03	8/3/10	–0.6
			TCA (µg/m^3)	11/2/09	1,560,000	2/11/10	1,550,000	4/20/10	1,550,000	8/3/10	1630
			TCE (µg/m^3)	11/2/09	353,000	2/11/10	336,000	4/20/10	281,000	8/3/10	344,000
	93	92-94	CO_2 (µg/m^3)	11/2/09	28,500,000	2/11/10	29,800,000	4/20/10	2,480,000	8/3/10	26,800,000
			Freon-11 (µg/m^3)	11/2/09	68,200	2/11/10	63,400	4/20/10	58,800	8/3/10	61,300
			H_2O (µg/m^3)	11/2/09	17,000,000	2/11/10	10,800,000	4/20/10	65.7[b]	8/3/10	16,500,000
			PCE (µg/m^3)	11/2/09	472,000	2/11/10	528,000	4/20/10	433,000	8/3/10	454,000
			Pressure differential (kPa)	11/2/09	–0.22	2/11/10	–0.05	4/20/10	0	8/3/10	–0.09
			TCA (µg/m^3)	11/2/09	1,390,000	2/11/10	1,320,000	4/20/10	1,310,000	8/3/10	1,360,000
			TCE (µg/m^3)	11/2/09	352,000	2/11/10	314,000	4/20/10	270,000	8/3/10	315,000
	113	112-114	CO_2 (µg/m^3)	11/2/09	22,900,000	2/11/10	23,600,000	4/20/10	2,050,000	8/3/10	23,700,000
			Freon-11 (µg/m^3)	11/2/09	52,600	2/11/10	46,500	4/20/10	45,500	8/3/10	55,900
			H_2O (µg/m^3)	11/2/09	19,000,000	2/11/10	10,700,000	4/20/10	66.5[b]	8/3/10	15,800,000
			PCE (µg/m^3)	11/2/09	345,000	2/11/10	372,000	4/20/10	325,000	8/3/10	394,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241 (cont.)	113	112–114	Pressure differential (kPa)	11/2/09	–0.27	2/11/10	–0.05	4/20/10	0.04	8/3/10	–0.11
			TCA (µg/m^3)	11/2/09	1,000,000	2/11/10	864,000	4/20/10	933,000	8/3/10	1,130,000
			TCE (µg/m^3)	11/2/09	262,000	2/11/10	225,000	4/20/10	205,000	8/3/10	264,000
	133	132-134	CO_2 (µg/m^3)	11/2/09	19,900,000	2/11/10	19,100,000	4/20/10	1,580,000	8/3/10	20,300,000
			Freon-11 (µg/m^3)	11/2/09	48,400	2/11/10	46,700	4/20/10	41,100	8/3/10	53,200
			H_2O (µg/m^3)	11/2/09	18,600,000	2/11/10	11,200,000	4/20/10	66.4[b]	8/3/10	17,600,000
			PCE (µg/m^3)	11/2/09	296,000	2/11/10	335,000	4/20/10	265,000	8/3/10	333,000
			Pressure differential (kPa)	11/2/09	–0.35	2/11/10	0	4/20/10	0	8/3/10	–0.1
			TCA (µg/m^3)	11/2/09	807,000	2/11/10	769,000	4/20/10	751,000	8/3/10	911,000
			TCE (µg/m^3)	11/2/09	214,000	2/11/10	200,000	4/20/10	167,000	8/3/10	21,000
	153	152-154	CO_2 (µg/m^3)	11/2/09	19,400,000	2/11/10	19,500,000	4/20/10	1,660,000	8/3/10	19,900
			Freon-11 (µg/m^3)	11/2/09	50,800	2/11/10	48,900	4/20/10	43,900	8/3/10	55,600
			H_2O (µg/m^3)	11/2/09	17,900,000	2/11/10	10,900,000	4/20/10	65.5[b]	8/3/10	14,900,000
			PCE (µg/m^3)	11/2/09	301,000	2/11/10	326,000	4/20/10	267,000	8/3/10	342,000
			Pressure differential (kPa)	11/2/09	–0.46	2/11/10	0	4/20/10	0.07	8/3/10	–0.17
			TCA (µg/m^3)	11/2/09	849,000	2/11/10	732,000	4/20/10	740,000	8/3/10	938,000
			TCE (µg/m^3)	11/2/09	230,000	2/11/10	194,000	4/20/10	169,000	8/3/10	224,000
	173	172–174	CO_2 (µg/m^3)	11/2/09	18,400,000	2/11/10	19,700,000	4/20/10	1,160,000	8/3/10	19,300
			Freon-11 (µg/m^3)	11/2/09	44,500	2/11/10	51,800	4/20/10	32,200	8/3/10	55,400
			H_2O (µg/m^3)	11/2/09	17,400,000	2/11/10	11,600,000	4/20/10	63.3[b]	8/3/10	14,800,000
			PCE (µg/m^3)	11/2/09	269,000	2/11/10	335,000	4/20/10	187,000	8/3/10	339,000
			Pressure differential (kPa)	11/2/09	–0.46	2/11/10	0	4/20/10	0.08	8/3/10	–0.16
			TCA (µg/m^3)	11/2/09	739,000	2/11/10	744,000	4/20/10	505,000	8/3/10	898,000
			TCE (µg/m^3)	11/2/09	212,000	2/11/10	195,000	4/20/10	118,000	8/3/10	225,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241 (cont.)	193	192–194	CO_2 (µg/m^3)	11/2/09	19,400,000	2/11/10	20,500,000	4/20/10	1,280,000	8/3/10	18,500,000
			Freon-11 (µg/m^3)	11/2/09	47,600	2/11/10	59,000	4/20/10	38,900	8/3/10	60,100
			H_2O (µg/m^3)	11/2/09	18,500,000	2/11/10	12,300,000	4/20/10	64.8[b]	8/3/10	16,400,000
			PCE (µg/m^3)	11/2/09	291,000	2/11/10	372,000	4/20/10	219,000	8/3/10	334,000
			Pressure differential (kPa)	11/2/09	0	2/11/10	0	4/20/10	0	8/3/10	0.03
			TCA (µg/m^3)	11/2/09	822,000	2/11/10	804,000	4/20/10	598,000	8/3/10	888,000
			TCE (µg/m^3)	11/2/09	240,000	2/11/10	215,000	4/20/10	134,000	8/3/10	217,000
54-24242	Ambient	Ambient	CO_2 (µg/m^3)	11/2/09	913,000	1/25/10	935,000	4/20/10	986,000	8/4/10	875,000
			Freon-11 (µg/m^3)	11/2/09	–579	1/25/10	–14	4/20/10	–410	8/4/10	–163
			H_2O (µg/m^3)	11/2/09	7,350,000	1/25/10	3,670,000	4/20/10	50.2[b]	8/4/10	13,400,000
			PCE (µg/m^3)	11/2/09	–773	1/25/10	992	4/20/10	2210	8/4/10	–576
			Pressure differential (kPa)	11/2/09	0	1/25/10	NS	4/20/10	0	8/4/10	0
			TCA (µg/m^3)	11/2/09	–218	1/25/10	–4400	4/20/10	–145	8/4/10	–6500
			TCE (µg/m^3)	11/2/09	2620	1/25/10	2930	4/20/10	1110	8/4/10	–96
	25	24–26	CO_2 (µg/m^3)	11/2/09	25,300,000	1/25/10	19,700,000	4/20/10	1,880,000	8/4/10	21,700,000
			Freon-11 (µg/m^3)	11/2/09	21,300	1/25/10	25,500	4/20/10	17,600	8/4/10	26,900
			H_2O (µg/m^3)	11/2/09	21,600,000	1/25/10	4,620,000	4/20/10	61.3[b]	8/4/10	19,800,000
			PCE (µg/m^3)	11/2/09	867,000	1/25/10	621,000	4/20/10	578,000	8/4/10	1,170,000
			Pressure differential (kPa)	11/2/09	0	1/25/10	0	4/20/10	0	8/4/10	0.1
			TCA (µg/m^3)	11/2/09	418,000	1/25/10	249,000	4/20/10	401,000	8/4/10	397,000
			TCE (µg/m^3)	11/2/09	141,000	1/25/10	75,700	4/20/10	119,000	8/4/10	110,000
	50	49–51	CO_2 (µg/m^3)	11/2/09	20,600,000	1/25/10	21,000,000	4/20/10	2,250,000	8/4/10	21,700,000
			Freon-11 (µg/m^3)	11/2/09	35,100	1/25/10	42,400	4/20/10	45,900	8/4/10	45,900
			H_2O (µg/m^3)	11/2/09	19,700,000	1/25/10	4,790,000	4/20/10	59.5[b]	8/4/10	21,600,000
			PCE (µg/m^3)	11/2/09	501,000	1/25/10	579,000	4/20/10	602,000	8/4/10	608,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24242 (cont.)	50	49–51	Pressure differential (kPa)	11/2/09	–0.21	1/25/10	–0.18	4/20/10	0.05	8/4/10	–0.03
			TCA (µg/m^3)	11/2/09	800,000	1/25/10	766,000	4/20/10	1,090,000	8/4/10	948,000
			TCE (µg/m^3)	11/2/09	237,000	1/25/10	171,000	4/20/10	222,000	8/4/10	234,000
	75	74–76	CO_2 (µg/m^3)	11/2/09	24,900,000	1/25/10	22,000,000	4/20/10	2,420,000	8/4/10	22,200,000
			Freon-11 (µg/m^3)	11/2/09	40,500	1/25/10	42,400	4/20/10	43,700	8/4/10	39,900
			H_2O (µg/m^3)	11/2/09	20,900,000	1/25/10	5,030,000	4/20/10	59.4[b]	8/4/10	29,200,000
			PCE (µg/m^3)	11/2/09	723,000	1/25/10	705,000	4/20/10	758,000	8/4/10	717,000
			Pressure differential (kPa)	11/2/09	–0.05	1/25/10	–0.13	4/20/10	0.05	8/4/10	0.02
			TCA (µg/m^3)	11/2/09	849,000	1/25/10	674,000	4/20/10	1,040,000	8/4/10	846,000
			TCE (µg/m^3)	11/2/09	251,000	1/25/10	150,000	4/20/10	228,000	8/4/10	219,000
	100	99–101	CO_2 (µg/m^3)	11/2/09	26,200,000	1/25/10	24,700,000	4/20/10	2,310,000	8/4/10	21,900,000
			Freon-11 (µg/m^3)	11/2/09	32,500	1/25/10	40,700	4/20/10	32,800	8/4/10	28,800
			H_2O (µg/m^3)	11/2/09	21,400,000	1/25/10	5,180,000	4/20/10	55.7[b]	8/4/10	17,200,000
			PCE (µg/m^3)	11/2/09	850,000	1/25/10	867,000	4/20/10	816,000	8/4/10	797,000
			Pressure differential (kPa)	11/2/09	0	1/25/10	–0.05	4/20/10	0.04	8/4/10	0.03
			TCA (µg/m^3)	11/2/09	725,000	1/25/10	563,000	4/20/10	797,000	8/4/10	670,000
			TCE (µg/m^3)	11/2/09	232,000	1/25/10	138,000	4/20/10	199,000	8/4/10	200,000
	110.5	109.5–111.5	CO_2 (µg/m^3)	11/2/09	18,700,000	1/25/10	14,100,000	4/20/10	2,310,000	8/4/10	21,200,000
			Freon-11 (µg/m^3)	11/2/09	28,700	1/25/10	24,200	4/20/10	48,800	8/4/10	42,900
			H_2O (µg/m^3)	11/2/09	20,100,000	1/25/10	5,100,000	4/20/10	60.4[b]	8/4/10	15,708,000
			PCE (µg/m^3)	11/2/09	509,000	1/25/10	379,000	4/20/10	622,000	8/4/10	568,000
			Pressure differential (kPa)	11/2/09	–0.19	1/25/10	–0.29	4/20/10	0.07	8/4/10	–0.03
			TCA (µg/m^3)	11/2/09	822,000	1/25/10	568,000	4/20/10	1,170,000	8/4/10	999,000
			TCE (µg/m^3)	11/2/09	280,000	1/25/10	135,000	4/20/10	246,000	8/4/10	252,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24243	Ambient	Ambient	CO_2 (µg/m^3)	11/12/09	1,060,000	2/10/10	990,000	4/26/10	1,200,000	8/12/10	801,000
			Freon-11 (µg/m^3)	11/12/09	–262	2/10/10	186	4/26/10	251	8/12/10	–74
			H_2O (µg/m^3)	11/12/09	9,880,000	2/10/10	14,300,000	4/26/10	42.5[b]	8/12/10	12,000,000
			PCE (µg/m^3)	11/12/09	3960	2/10/10	3020	4/26/10	2230	8/12/10	–0.422
			Pressure differential (kPa)	11/12/09	0	2/10/10	NS	4/26/10	0	8/12/10	0
			TCA (µg/m^3)	11/12/09	–3000	2/10/10	–4300	4/26/10	–1300	8/12/10	–3300
			TCE (µg/m^3)	11/12/09	4220	2/10/10	1440	4/26/10	1780	8/12/10	–255
	25	24–26	CO_2 (µg/m^3)	11/12/09	29,800,000	2/10/10	31,300,000	4/26/10	23,200,000	8/12/10	27,700,000
			Freon-11 (µg/m^3)	11/12/09	130,000	2/10/10	114,000	4/26/10	94,700	8/12/10	131,000
			H_2O (µg/m^3)	11/12/09	16,500,000	2/10/10	14,000,000	4/26/10	54.7[b]	8/12/10	16,500,000
			PCE (µg/m^3)	11/12/09	704,000	2/10/10	769,000	4/26/10	557,000	8/12/10	737,000
			Pressure differential (kPa)	11/12/09	0.04	2/10/10	0	4/26/10	0	8/12/10	0
			TCA (µg/m^3)	11/12/09	872,000	2/10/10	1,020,000	4/26/10	810,000	8/12/10	927,000
			TCE (µg/m^3)	11/12/09	160,000	2/10/10	191,000	4/26/10	107,000	8/12/10	163,000
	50	49–51	CO_2 (µg/m^3)	11/12/09	35,100,000	2/10/10	39,400,000	4/26/10	32,000,000	8/12/10	32,800,000
			Freon-11 (µg/m^3)	11/12/09	225,000	2/10/10	211,000	4/26/10	186,000	8/12/10	235,000
			H_2O (µg/m^3)	11/12/09	16,500,000	2/10/10	15,100,000	4/26/10	57.6[b]	8/12/10	16,200,000
			PCE (µg/m^3)	11/12/09	1,210,000	2/10/10	1,440,000	4/26/10	1,090,000	8/12/10	1,310,000
			Pressure differential (kPa)	11/12/09	0.05	2/10/10	0.11	4/26/10	0	8/12/10	0
			TCA (µg/m^3)	11/12/09	1,390,000	2/10/10	1,660,000	4/26/10	1,460,000	8/12/10	1,550,000
			TCE (µg/m^3)	11/12/09	228,000	2/10/10	258,000	4/26/10	168,000	8/12/10	237,000
	75	74–76	CO_2 (µg/m^3)	11/12/09	31,200,000	2/10/10	36,000,000	4/26/10	30,200,000	8/12/10	31,200,000
			Freon-11 (µg/m^3)	11/12/09	169,000	2/10/10	174,000	4/26/10	172,000	8/12/10	201,000
			H_2O (µg/m^3)	11/12/09	17,100,000	2/10/10	15,400,000	4/26/10	56.5[b]	8/12/10	17,100,000
			PCE (µg/m^3)	11/12/09	883,000	2/10/10	1,150,000	4/26/10	990,000	8/12/10	1,100,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24243 (cont.)	75	74–76	Pressure differential (kPa)	11/12/09	0.1	2/10/10	0.03	4/26/10	–0.03	8/12/10	0
			TCA (µg/m^3)	11/12/09	1,420,000	2/10/10	1,720,000	4/26/10	1,590,000	8/12/10	1,710,000
			TCE (µg/m^3)	11/12/09	268,000	2/10/10	297,000	4/26/10	178,000	8/12/10	280,000
	100	99–101	CO_2 (µg/m^3)	11/12/09	30,200,000	2/10/10	25,800,000	4/26/10	24,200,000	8/12/10	29,200,000
			Freon-11 (µg/m^3)	11/12/09	141,000	2/10/10	108,000	4/26/10	104,000	8/12/10	160,000
			H_2O (µg/m^3)	11/12/09	16,600,000	2/10/10	15,200,000	4/26/10	57.5[b]	8/12/10	16,100,000
			PCE (µg/m^3)	11/12/09	696,000	2/10/10	677,000	4/26/10	564,000	8/12/10	841,000
			Pressure differential (kPa)	11/12/09	0.29	2/10/10	0.05	4/26/10	–0.13	8/12/10	0
			TCA (µg/m^3)	11/12/09	1,560,000	2/10/10	1,350,000	4/26/10	1,230,000	8/12/10	1,670,000
			TCE (µg/m^3)	11/12/09	332,000	2/10/10	260,000	4/26/10	164,000	8/12/10	299,000
	125	124–126	CO_2 (µg/m^3)	11/12/09	23,700,000	2/10/10	23,700,000	4/26/10	1,480,000	8/12/10	24,400,000
			Freon-11 (µg/m^3)	11/12/09	100,000	2/10/10	91,600	4/26/10	304	8/12/10	120,000
			H_2O (µg/m^3)	11/12/09	16,700,000	2/10/10	14,700,000	4/26/10	51[b]	8/12/10	18,100,000
			PCE (µg/m^3)	11/12/09	463,000	2/10/10	541,000	4/26/10	8860	8/12/10	595,000
			Pressure differential (kPa)	11/12/09	0.04	2/10/10	0.1	4/26/10	–0.12	8/12/10	0
			TCA (µg/m^3)	11/12/09	1,190,000	2/10/10	1,260,000	4/26/10	17,800	8/12/10	1,390,000
			TCE (µg/m^3)	11/12/09	270,000	2/10/10	261,000	4/26/10	23,300	8/12/10	266,000
54-24399	Ambient	Ambient	CO_2 (µg/m^3)	12/7/09	960,000	3/2/10	905,000	4/21/10	944,000	8/17/10	795,000
			Freon-11 (µg/m^3)	12/7/09	144	3/2/10	752	4/21/10	275	8/17/10	162
			H_2O (µg/m^3)	12/7/09	7,500,000	3/2/10	6,490,000	4/21/10	45.1[b]	8/17/10	14,200,000
			PCE (µg/m^3)	12/7/09	4270	3/2/10	3370	4/21/10	3130	8/17/10	617
			Pressure differential (kPa)	12/7/09	0	3/2/10	NS	4/21/10	0	8/17/10	0
			TCA (µg/m^3)	12/7/09	–1800	3/2/10	–2400	4/21/10	–3000	8/17/10	–3500
			TCE (µg/m^3)	12/7/09	3880	3/2/10	1360	4/21/10	1430	8/17/10	–64

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24399 (cont.)	550	550–608	CO_2 (µg/m^3)	12/7/09	2,130,000	3/2/10	2,900,000	4/21/10	2,500,000	8/17/10	1,440,000
			Freon-11 (µg/m^3)	12/7/09	8	3/2/10	260	4/21/10	628	8/17/10	95.9
			H_2O (µg/m^3)	12/7/09	8,740,000	3/2/10	11,100,000	4/21/10	64.1[b]	8/17/10	15,800,000
			PCE (µg/m^3)	12/7/09	5230	3/2/10	2940	4/21/10	644	8/17/10	–116
			Pressure differential (kPa)	12/7/09	0.08	3/2/10	0	4/21/10	0.07	8/17/10	NS
			TCA (µg/m^3)	12/7/09	–2800	3/2/10	–7400	4/21/10	4110	8/17/10	–4300
			TCE (µg/m^3)	12/7/09	5990	3/2/10	4150	4/21/10	3460	8/17/10	–889
54-27641	Ambient	Ambient	CO_2 (µg/m^3)	11/3/09	1,080,000	1/27/10	943,000	4/16/10	943,000	7/29/10	789,000
			Freon-11 (µg/m^3)	11/3/09	–256	1/27/10	–103	4/16/10	–850	7/29/10	187,000
			H_2O (µg/m^3)	11/3/09	7,900,000	1/27/10	5,330,000	4/16/10	48.9[b]	7/29/10	14,100,000
			PCE (µg/m^3)	11/3/09	3600	1/27/10	5420	4/16/10	2800	7/29/10	–99
			Pressure differential (kPa)	11/3/09	0	1/27/10	NS	4/16/10	0	7/29/10	0
			TCA (µg/m^3)	11/3/09	–3000	1/27/10	–2500	4/16/10	–1400	7/29/10	–2700
			TCE (µg/m^3)	11/3/09	4630	1/27/10	2740	4/16/10	2550	7/29/10	–1300
	32	29.5–34.5	CO_2 (µg/m^3)	11/3/09	28,800,000	1/27/10	24,900,000	4/16/10	2,080,000	7/29/10	2,230,000
			Freon-11 (µg/m^3)	11/3/09	49,300	1/27/10	41,500	4/16/10	36,000	7/29/10	37,600
			H_2O (µg/m^3)	11/3/09	12,700,000	1/27/10	6,000,000	4/16/10	55.3[b]	7/29/10	16,100,000
			PCE (µg/m^3)	11/3/09	442,000	1/27/10	432,000	4/16/10	366,000	7/29/10	380,000
			Pressure differential (kPa)	11/3/09	0	1/27/10	–0.06	4/16/10	0	7/29/10	0
			TCA (µg/m^3)	11/3/09	1,910,000	1/27/10	1,650,000	4/16/10	1690	7/29/10	1510
			TCE (µg/m^3)	11/3/09	939,000	1/27/10	903,000	4/16/10	816,000	7/29/10	868,000
	82	79.5–84.5	CO_2 (µg/m^3)	11/3/09	20,600,000	1/27/10	20,100,000	4/16/10	1,810,000	7/29/10	17,900,000
			Freon-11 (µg/m^3)	11/3/09	37,400	1/27/10	31,300	4/16/10	28,300	7/29/10	31,200
			H_2O (µg/m^3)	11/3/09	13,400,000	1/27/10	6,150,000	4/16/10	55.9[b]	7/29/10	16,000,000
			PCE (µg/m^3)	11/3/09	396,000	1/27/10	394,000	4/16/10	354,000	7/29/10	358,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641 (cont)	82	79.5–84.5	Pressure differential (kPa)	11/3/09	–0.08	1/27/10	–0.13	4/16/10	–0.04	7/29/10	–0.02
			TCA (µg/m^3)	11/3/09	1,590,000	1/27/10	1,440,000	4/16/10	1,560,000	7/29/10	1400
			TCE (µg/m^3)	11/3/09	369,000	1/27/10	334,000	4/16/10	359,000	7/29/10	370,000
	115	112.5–117.5	CO_2 (µg/m^3)	11/3/09	17,500,000	1/27/10	16,800,000	4/16/10	4,160,000	7/29/10	16,500,000
			Freon-11 (µg/m^3)	11/3/09	24,800	1/27/10	21,800	4/16/10	5300	7/29/10	23,400
			H_2O (µg/m^3)	11/3/09	14,900,000	1/27/10	6,560,000	4/16/10	54.7[b]	7/29/10	15,100,000
			PCE (µg/m^3)	11/3/09	230,000	1/27/10	233,000	4/16/10	49,500	7/29/10	239,000
			Pressure differential (kPa)	11/3/09	–0.26	1/27/10	–0.25	4/16/10	–0.21	7/29/10	–0.01
			TCA (µg/m^3)	11/3/09	1,200,000	1/27/10	1,110,000	4/16/10	340,000	7/29/10	1210
			TCE (µg/m^3)	11/3/09	264,000	1/27/10	228,000	4/16/10	57,600	7/29/10	266,000
	182	179.5–184.5	CO_2 (µg/m^3)	11/3/09	12,400,000	1/27/10	12,200,000	4/16/10	975,000	7/29/10	12,300,000
			Freon-11 (µg/m^3)	11/3/09	16,700	1/27/10	15,200	4/16/10	–16	7/29/10	16,800
			H_2O (µg/m^3)	11/3/09	16,000,000	1/27/10	6,630,000	4/16/10	52.7[b]	7/29/10	16,100,000
			PCE (µg/m^3)	11/3/09	95,600	1/27/10	97,700	4/16/10	4150	7/29/10	97,500
			Pressure differential (kPa)	11/3/09	–0.75	1/27/10	–0.37	4/16/10	–0.54	7/29/10	–0.27
			TCA (µg/m^3)	11/3/09	786,000	1/27/10	716,000	4/16/10	3180	7/29/10	814,000
			TCE (µg/m^3)	11/3/09	170,000	1/27/10	143,000	4/16/10	4200	7/29/10	159,000
	232	229.5–– 234.5	CO_2 (µg/m^3)	11/3/09	13,100,000	1/27/10	11,100,000	4/16/10	805,000	7/29/10	10,300,000
			Freon-11 (µg/m^3)	11/3/09	17,200	1/27/10	13,700	4/16/10	44.4	7/29/10	14,100
			H_2O (µg/m^3)	11/3/09	15,800,000	1/27/10	6,920,000	4/16/10	54.8[b]	7/29/10	16,900,000
			PCE (µg/m^3)	11/3/09	97,400	1/27/10	75,400	4/16/10	1050	7/29/10	70,900
			Pressure differential (kPa)	11/3/09	–0.74	1/27/10	–0.59	4/16/10	–0.57	7/29/10	–0.27
			TCA (µg/m^3)	11/3/09	829,000	1/27/10	390,000	4/16/10	1140	7/29/10	458,000
			TCE (µg/m^3)	11/3/09	181,000	1/27/10	91,500	4/16/10	820,000	7/29/10	97,600

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641 (cont.)	271	268.5–273.5	CO_2 (µg/m^3)	11/3/09	7,730,000	1/27/10	8,620,000	4/16/10	839,000	7/29/10	8,180,000
			Freon-11 (µg/m^3)	11/3/09	9040	1/27/10	9030	4/16/10	–218	7/29/10	9490
			H_2O (µg/m^3)	11/3/09	16,800,000	1/27/10	6,930,000	4/16/10	51.7[b]	7/29/10	15,700,000
			PCE (µg/m^3)	11/3/09	42,600	1/27/10	48,800	4/16/10	3130	7/29/10	44,900
			Pressure differential (kPa)	11/3/09	–0.69	1/27/10	–0.45	4/16/10	–0.54	7/29/10	–0.29
			TCA (µg/m^3)	11/3/09	143,000	1/27/10	130,000	4/16/10	7100	7/29/10	194,000
			TCE (µg/m^3)	11/3/09	47,900	1/27/10	41,400	4/16/10	3910	7/29/10	47,400
	332.5	330–335	CO_2 (µg/m^3)	11/3/09	4,640,000	1/27/10	4,610,000	4/16/10	866,000	7/29/10	4,690,000
			Freon-11 (µg/m^3)	11/3/09	1100	1/27/10	1710	4/16/10	–369	7/29/10	1600
			H_2O (µg/m^3)	11/3/09	16,500,000	1/27/10	7,190,000	4/16/10	52.2[b]	7/29/10	16,100,000
			PCE (µg/m^3)	11/3/09	9540	1/27/10	12,500	4/16/10	1360	7/29/10	857,000
			Pressure differential (kPa)	11/3/09	–0.68	1/27/10	–0.47	4/16/10	–0.56	7/29/10	–0.29
			TCA (µg/m^3)	11/3/09	–7200	1/27/10	–18,000	4/16/10	3500	7/29/10	6000
			TCE (µg/m^3)	11/3/09	8880	1/27/10	7390	4/16/10	3040	7/29/10	6760
54-27642	Ambient	Ambient	CO_2 (µg/m^3)	11/9/09	985,000	1/26/10	1,030,000	4/16/10	756,000	7/27/10	790,000
			Freon-11 (µg/m^3)	11/9/09	69.5	1/26/10	–7.7	4/16/10	–71	7/27/10	1380
			H_2O (µg/m^3)	11/9/09	6,990,000	1/26/10	5,660,000	4/16/10	43.3[b]	7/27/10	14,200,000
			PCE (µg/m^3)	11/9/09	2910	1/26/10	4890	4/16/10	1280	7/27/10	1230
			Pressure differential (kPa)	11/9/09	0	1/26/10	NS	4/16/10	0	7/27/10	0
			TCA (µg/m^3)	11/9/09	–2900	1/26/10	–7000	4/16/10	1450	7/27/10	–6100
			TCE (µg/m^3)	11/9/09	2710	1/26/10	1830	4/16/10	673	7/27/10	–3200
	30	27.5–32.5	CO_2 (µg/m^3)	11/9/09	44,400,000	1/26/10	42,800,000	4/16/10	3,730,000	7/27/10	37,800,000
			Freon-11 (µg/m^3)	11/9/09	405,000	1/26/10	390,000	4/16/10	411,000	7/27/10	524,000
			H_2O (µg/m^3)	11/9/09	19,700,000	1/26/10	8,870,000	4/16/10	56.4[b]	7/27/10	17,800,000
			PCE (µg/m^3)	11/9/09	2,270,000	1/26/10	2,810,000	4/16/10	258	7/27/10	3,040,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642 (cont.)	30	27.5–32.5	Pressure differential (kPa)	11/9/09	–0.03	1/26/10	0.03	4/16/10	0.04	7/27/10	0
			TCA (µg/m^3)	11/9/09	2,360,000	1/26/10	2,090,000	4/16/10	2120	7/27/10	1720
			TCE (µg/m^3)	11/9/09	–58,000	1/26/10	–149,000	4/16/10	–470	7/27/10	–132,000
	75	71.5–76.5	CO_2 (µg/m^3)	11/9/09	29,200,000	1/26/10	27,500,000	4/16/10	28,100,000	7/27/10	29,300,000
			Freon-11 (µg/m^3)	11/9/09	144,000	1/26/10	120,000	4/16/10	146,000	7/27/10	176,000
			H_2O (µg/m^3)	11/9/09	18,100,000	1/26/10	6,850,000	4/16/10	54.2[b]	7/27/10	16,300,000
			PCE (µg/m^3)	11/9/09	697,000	1/26/10	742,000	4/16/10	790,000	7/27/10	909,000
			Pressure differential (kPa)	11/9/09	0	1/26/10	0.31	4/16/10	–0.07	7/27/10	0
			TCA (µg/m^3)	11/9/09	1,690,000	1/26/10	1,590,000	4/16/10	1,960,000	7/27/10	1930
			TCE (µg/m^3)	11/9/09	340,000	1/26/10	281,000	4/16/10	302,000	7/27/10	324,000
	116	114.5–119.5	CO_2 (µg/m^3)	11/9/09	41,900,000	1/26/10	33,200,000	4/16/10	38,800,000	7/27/10	38,300,000
			Freon-11 (µg/m^3)	11/9/09	305,000	1/26/10	220,000	4/16/10	341,000	7/27/10	365,000
			H_2O (µg/m^3)	11/9/09	20,300,000	1/26/10	8,150,000	4/16/10	56.6[b]	7/27/10	31,600,000
			PCE (µg/m^3)	11/9/09	1,660,000	1/26/10	1,500,000	4/16/10	2,040,000	7/27/10	2,030,000
			Pressure differential (kPa)	11/9/09	–0.19	1/26/10	1.01	4/16/10	–0.03	7/27/10	0
			TCA (µg/m^3)	11/9/09	2,551,000	1/26/10	1,800,000	4/16/10	2,650,000	7/27/10	2200
			TCE (µg/m^3)	11/9/09	269,000	1/26/10	119,000	4/16/10	193,000	7/27/10	150,000
	175	172.5–177.5	CO_2 (µg/m^3)	11/9/09	19,200,000	1/26/10	16,500,000	4/16/10	1,400,000	7/27/10	19,400,000
			Freon-11 (µg/m^3)	11/9/09	111,000	1/26/10	82,300	4/16/10	983	7/27/10	118,000
			H_2O (µg/m^3)	11/9/09	17,800,000	1/26/10	6,670,000	4/16/10	50.4[b]	7/27/10	17,300,000
			PCE (µg/m^3)	11/9/09	411,000	1/26/10	384,000	4/16/10	8200	7/27/10	461,000
			Pressure differential (kPa)	11/9/09	–0.3	1/26/10	–0.57	4/16/10	–0.28	7/27/10	0
			TCA (µg/m^3)	11/9/09	1,180,000	1/26/10	994,000	4/16/10	5170	7/27/10	1,320,000
			TCE (µg/m^3)	11/9/09	268,000	1/26/10	203,000	4/16/10	5020	7/27/10	264,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642 (cont.)	235	232.5–237.5	CO_2 (µg/m^3)	11/9/09	15,600,000	1/26/10	13,900,000	4/16/10	816,000	7/27/10	14,900,000
			Freon-11 (µg/m^3)	11/9/09	102,000	1/26/10	77,100	4/16/10	207	7/27/10	102,000
			H_2O (µg/m^3)	11/9/09	18,300,000	1/26/10	6,280,000	4/16/10	53.9[b]	7/27/10	16,800,000
			PCE (µg/m^3)	11/9/09	335,000	1/26/10	339,000	4/16/10	2620	7/27/10	368,000
			Pressure differential (kPa)	11/9/09	–0.32	1/26/10	0.14	4/16/10	–0.41	7/27/10	0
			TCA (µg/m^3)	11/9/09	774,000	1/26/10	659,000	4/16/10	358,000	7/27/10	842,000
			TCE (µg/m^3)	11/9/09	200,000	1/26/10	152,000	4/16/10	1390	7/27/10	190,000
	275	272.5–277.5	CO_2 (µg/m^3)	11/9/09	11,600,000	1/26/10	10,900,000	4/16/10	8,800,000	7/27/10	11,800,000
			Freon-11 (µg/m^3)	11/9/09	73,900	1/26/10	54,700	4/16/10	54,100	7/27/10	80,200
			H_2O (µg/m^3)	11/9/09	17,500,000	1/26/10	6,670,000	4/16/10	50.9[b]	7/27/10	16,100,000
			PCE (µg/m^3)	11/9/09	254,000	1/26/10	239,000	4/16/10	206,000	7/27/10	287,000
			Pressure differential (kPa)	11/9/09	–0.3	1/26/10	–0.68	4/16/10	–0.35	7/27/10	0
	338	335.5–340.5	TCA (µg/m^3)	11/9/09	417,000	1/26/10	335,000	4/16/10	391,000	7/27/10	498,000
			TCE (µg/m^3)	11/9/09	120,000	1/26/10	86,300	4/16/10	82,300	7/27/10	123,000
			CO_2 (µg/m^3)	11/9/09	5,990,000	1/26/10	5,360,000	4/16/10	951,000	7/27/10	5,910,000
			Freon-11 (µg/m^3)	11/9/09	19,100	1/26/10	15,100	4/16/10	–89	7/27/10	22,600
			H_2O (µg/m^3)	11/9/09	17,200,000	1/26/10	6,610,000	4/16/10	52.3[b]	7/27/10	16,100,000
			PCE (µg/m^3)	11/9/09	69,600	1/26/10	69,100	4/16/10	3880	7/27/10	80,500
			Pressure differential (kPa)	11/9/09	–0.29	1/26/10	–0.45	4/16/10	–0.22	7/27/10	0
			TCA (µg/m^3)	11/9/09	62,600	1/26/10	38,000	4/16/10	3860	7/27/10	81,200
			TCE (µg/m^3)	11/9/09	29,000	1/26/10	21,000	4/16/10	2450	7/27/10	25,600
54-27643	Ambient	Ambient	CO_2 (µg/m^3)	11/10/09	902,000	2/3/10	1,300,000	4/26/10	967,000	8/16/10	982,000
			Freon-11 (µg/m^3)	11/10/09	–46	2/3/10	168	4/26/10	–347	8/16/10	–44
			H_2O (µg/m^3)	11/10/09	8,190,000	2/3/10	5,800,000	4/26/10	33.5[b]	8/16/10	12,800,000
			PCE (µg/m^3)	11/10/09	1930	2/3/10	3650	4/26/10	672	8/16/10	–192

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643 (cont.)	Ambient	Ambient	Pressure differential (kPa)	11/10/09	0	2/3/10	NS	4/26/10	0	8/16/10	0
			TCA (µg/m^3)	11/10/09	–2800	2/3/10	–7400	4/26/10	–1200	8/16/10	–2200
			TCE (µg/m^3)	11/10/09	978	2/3/10	2710	4/26/10	1170	8/16/10	73.5
	30	27.5–32.5	CO_2 (µg/m^3)	11/10/09	18,700,000	2/3/10	18,200,000	4/26/10	16,100,000	8/16/10	17,800,000
			Freon-11 (µg/m^3)	11/10/09	38,200	2/3/10	40,800	4/26/10	46,300	8/16/10	49,700
			H_2O (µg/m^3)	11/10/09	16,600,000	2/3/10	7,630,000	4/26/10	54.4[b]	8/16/10	14,600,000
			PCE (µg/m^3)	11/10/09	200,000	2/3/10	262,000	4/26/10	268,000	8/16/10	271,000
			Pressure differential (kPa)	11/10/09	0.05	2/3/10	0.04	4/26/10	0.11	8/16/10	0.03
			TCA (µg/m^3)	11/10/09	443,000	2/3/10	419,000	4/26/10	547,000	8/16/10	440,000
			TCE (µg/m^3)	11/10/09	65,600	2/3/10	49,000	4/26/10	54,900	8/16/10	47,700
	74	71.5–76.5	CO_2 (µg/m^3)	11/10/09	18,100,000	2/3/10	19,700,000	4/26/10	17,900,000	8/16/10	16,900,000
			Freon-11 (µg/m^3)	11/10/09	12,800	2/3/10	46,400	4/26/10	48,200	8/16/10	51,200
			H_2O (µg/m^3)	11/10/09	16,700,000	2/3/10	8,360,000	4/26/10	54.9[b]	8/16/10	14,700,000
			PCE (µg/m^3)	11/10/09	214,000	2/3/10	280,000	4/26/10	264,000	8/16/10	266,000
			Pressure differential (kPa)	11/10/09	0.06	2/3/10	0.13	4/26/10	0.13	8/16/10	0.02
			TCA (µg/m^3)	11/10/09	585,000	2/3/10	607,000	4/26/10	748,000	8/16/10	620,000
			TCE (µg/m^3)	11/10/09	114,000	2/3/10	102,000	4/26/10	109,000	8/16/10	95,100
	117	114.5–119.5	CO_2 (µg/m^3)	11/10/09	16,400,000	2/3/10	18,200,000	4/26/10	15,500,000	8/16/10	15,500,000
			Freon-11 (µg/m^3)	11/10/09	49,300	2/3/10	50,700	4/26/10	49,000	8/16/10	52,400
			H_2O (µg/m^3)	11/10/09	16,200,000	2/3/10	7,350,000	4/26/10	52[b]	8/16/10	14,400,000
			PCE (µg/m^3)	11/10/09	194,000	2/3/10	254,000	4/26/10	217,000	8/16/10	223,000
			Pressure differential (kPa)	11/10/09	–0.06	2/3/10	0.27	4/26/10	0.06	8/16/10	–0.08
			TCA (µg/m^3)	11/10/09	610,000	2/3/10	640,000	4/26/10	724,000	8/16/10	656,000
			TCE (µg/m^3)	11/10/09	126,000	2/3/10	119,000	4/26/10	117,000	8/16/10	113,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643 (cont.)	167	164.5–169.5	CO_2 (µg/m^3)	11/10/09	12,400,000	2/3/10	14,600,000	4/26/10	11,600,000	8/16/10	12,600,000
			Freon-11 (µg/m^3)	11/10/09	53,300	2/3/10	57,600	4/26/10	49,900	8/16/10	57,700
			H_2O (µg/m^3)	11/10/09	15,300,000	2/3/10	6,880,000	4/26/10	51.2[b]	8/16/10	14,400,000
			PCE (µg/m^3)	11/10/09	188,000	2/3/10	255,000	4/26/10	193,000	8/16/10	212,000
			Pressure differential (kPa)	11/10/09	–0.26	2/3/10	0.18	4/26/10	–0.05	8/16/10	–0.23
			TCA (µg/m^3)	11/10/09	518,000	2/3/10	588,000	4/26/10	600,000	8/16/10	607,000
			TCE (µg/m^3)	11/10/09	115,000	2/3/10	115,000	4/26/10	107,000	8/16/10	116,000
	235	232.5–237.5	CO_2 (µg/m^3)	11/10/09	11,800,000	2/3/10	13,400,000	4/26/10	9,990,000	8/16/10	10,500,000
			Freon-11 (µg/m^3)	11/10/09	63,700	2/3/10	64,600	4/26/10	53,300	8/16/10	59,900
			H_2O (µg/m^3)	11/10/09	16,900,000	2/3/10	6,890,000	4/26/10	51.7[b]	8/16/10	14,800,000
			PCE (µg/m^3)	11/10/09	220,000	2/3/10	281,000	4/26/10	202,000	8/16/10	211,000
			Pressure differential (kPa)	11/10/09	–0.31	2/3/10	0.31	4/26/10	–0.14	8/16/10	–0.28
			TCA (µg/m^3)	11/10/09	449,000	2/3/10	484,000	4/26/10	466,000	8/16/10	454,000
			TCE (µg/m^3)	11/10/09	110,000	2/3/10	107,000	4/26/10	92,200	8/16/10	95,000
	275	272.5–277.5	CO_2 (µg/m^3)	11/10/09	8,110,000	2/3/10	10,200,000	4/26/10	7,750,000	8/16/10	8,350,000
			Freon-11 (µg/m^3)	11/10/09	40,800	2/3/10	47,100	4/26/10	39,900	8/16/10	46,900
			H_2O (µg/m^3)	11/10/09	15,100,000	2/3/10	6,810,000	4/26/10	50.5[b]	8/16/10	14,400,000
			PCE (µg/m^3)	11/10/09	143,000	2/3/10	206,000	4/26/10	152,000	8/16/10	164,000
			Pressure differential (kPa)	11/10/09	–0.29	2/3/10	0.22	4/26/10	–0.12	8/16/10	–0.27
			TCA (µg/m^3)	11/10/09	221,000	2/3/10	255,000	4/26/10	280,000	8/16/10	276,000
			TCE (µg/m^3)	11/10/09	62,500	2/3/10	64,400	4/26/10	61,100	8/16/10	63,900
	354	351.5–356.5	CO_2 (µg/m^3)	11/10/09	5,240,000	2/3/10	6,190,000	4/26/10	4,880,000	8/16/10	5,000,000
			Freon-11 (µg/m^3)	11/10/09	13,700	2/3/10	15,400	4/26/10	12,900	8/16/10	14,700
			H_2O (µg/m^3)	11/10/09	15,700,000	2/3/10	6,810,000	4/26/10	50.4[b]	8/16/10	14,300,000
			PCE (µg/m^3)	11/10/09	52,400	2/3/10	71,000	4/26/10	51,300	8/16/10	52,200

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643 (cont.)	354	351.5–356.5	Pressure differential (kPa)	11/10/09	–0.08	2/3/10	0.29	4/26/10	0.05	8/16/10	–0.1
			TCA (µg/m^3)	11/10/09	36,200	2/3/10	24,200	4/26/10	62,300	8/16/10	50,500
			TCE (µg/m^3)	11/10/09	16,000	2/3/10	15,300	4/26/10	14,500	8/16/10	13,500
54-610786	Ambient	Ambient	CO_2 (µg/m^3)	12/22/09	919,000	2/5/10	1,120,000	4/26/10	830,000	8/20/10	776,000
			Freon-11 (µg/m^3)	12/22/09	65.8	2/5/10	1450	4/26/10	117	8/20/10	394
			H_2O (µg/m^3)	12/22/09	5,000,000	2/5/10	9,690,000	4/26/10	39.7[b]	8/20/10	11,400,000
			PCE (µg/m^3)	12/22/09	4240	2/5/10	2710	4/26/10	1860	8/20/10	579
			Pressure differential (kPa)	12/22/09	NS	2/5/10	NS	4/26/10	0	8/20/10	0
			TCA (µg/m^3)	12/22/09	–506	2/5/10	–8300	4/26/10	542,000	8/20/10	–3900
			TCE (µg/m^3)	12/22/09	2910	2/5/10	–422	4/26/10	1280	8/20/10	–2400
	25	22.5–27.5	CO_2 (µg/m^3)	12/22/09	19,490,000	2/5/10	15,700,000	4/26/10	17,000,000	8/20/10	19,400,000
			Freon-11 (µg/m^3)	12/22/09	75,700	2/5/10	37,900	4/26/10	64,700	8/20/10	60,000
			H_2O (µg/m^3)	12/22/09	5,000,000	2/5/10	9,210,000	4/26/10	56.6[b]	8/20/10	15,000,000
			PCE (µg/m^3)	12/22/09	423,000	2/5/10	266,000	4/26/10	396,000	8/20/10	349,000
			Pressure differential (kPa)	12/22/09	0.06	2/5/10	0	4/26/10	0	8/20/10	0
			TCA (µg/m^3)	12/22/09	518,000	2/5/10	272,000	4/26/10	492,000	8/20/10	405,000
			TCE (µg/m^3)	12/22/09	41,700	2/5/10	17,000	4/26/10	34,200	8/20/10	40,600
	50	47.5–52.5	CO_2 (µg/m^3)	12/22/09	22,100,000	2/5/10	23,500,000	4/26/10	20,600,000	8/20/10	20,000,000
			Freon-11 (µg/m^3)	12/22/09	65,300	2/5/10	65,300	4/26/10	73,300	8/20/10	75,500
			H_2O (µg/m^3)	12/22/09	9,750,000	2/5/10	10,000,000	4/26/10	58.6[b]	8/20/10	19,200,000
			PCE (µg/m^3)	12/22/09	346,000	2/5/10	445,000	4/26/10	441,000	8/20/10	423000
			Pressure differential (kPa)	12/22/09	0.15	2/5/10	–0.02	4/26/10	20	8/20/10	0
			TCA (µg/m^3)	12/22/09	674,000	2/5/10	748,000	4/26/10	844,000	8/20/10	698,000
			TCE (µg/m^3)	12/22/09	95,100	2/5/10	86,100	4/26/10	88,800	8/20/10	78,400

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte (Unit)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-610786 (cont.)	75	72.5–77.5	CO_2 (µg/m^3)	12/22/09	21,000,000	2/5/10	23,200,000	4/26/10	20,100,000	8/20/10	19,400,000
			Freon-11 (µg/m^3)	12/22/09	57,900	2/5/10	58,100	4/26/10	60,700	8/20/10	65,500
			H_2O (µg/m^3)	12/22/09	9,690,000	2/5/10	11,100,000	4/26/10	60[b]	8/20/10	16,100,000
			PCE (µg/m^3)	12/22/09	306,000	2/5/10	384,000	4/26/10	368,000	8/20/10	371,000
			Pressure differential (kPa)	12/22/09	0.19	2/5/10	–0.05	4/26/10	20	8/20/10	0
			TCA (µg/m^3)	12/22/09	700,000	2/5/10	793,000	4/26/10	878,000	8/20/10	743,000
			TCE (µg/m^3)	12/22/09	124,000	2/5/10	123,000	4/26/10	123,000	8/20/10	109,000
	100	97.5–102.5	CO_2 (µg/m^3)	12/22/09	19,600,000	2/5/10	20,800,000	4/26/10	17,900,000	8/20/10	18,200,000
			Freon-11 (µg/m^3)	12/22/09	52,400	2/5/10	49,200	4/26/10	50,600	8/20/10	58,800
			H_2O (µg/m^3)	12/22/09	8,740,000	2/5/10	9,540,000	4/26/10	57.6[b]	8/20/10	15,200,000
			PCE (µg/m^3)	12/22/09	256,000	2/5/10	291,000	4/26/10	281,000	8/20/10	306,000
			Pressure differential (kPa)	12/22/09	0.34	2/5/10	–0.13	4/26/10	–40	8/20/10	0
			TCA (µg/m^3)	12/22/09	660,000	2/5/10	702,000	4/26/10	772,000	8/20/10	724,000
			TCE (µg/m^3)	12/22/09	132,000	2/5/10	121,000	4/26/10	124,000	8/20/10	122,000
	118.5	116–121	CO_2 (µg/m^3)	12/22/09	19,700,000	2/5/10	20,200,000	4/26/10	17,900,000	8/20/10	17,800,000
			Freon-11 (µg/m^3)	12/22/09	60,300	2/5/10	55,600	4/26/10	57,500	8/20/10	61,600
			H_2O (µg/m^3)	12/22/09	8,820,000	2/5/10	9,310,000	4/26/10	56.3[b]	8/20/10	15,200,000
			PCE (µg/m^3)	12/22/09	263,000	2/5/10	294,000	4/26/10	277,000	8/20/10	295,000
			Pressure differential (kPa)	12/22/09	0.4	2/5/10	–0.18	4/26/10	–70	8/20/10	0
			TCA (µg/m^3)	12/22/09	753,000	2/5/10	787,000	4/26/10	862,000	8/20/10	787,000
			TCE (µg/m^3)	12/22/09	155,000	2/5/10	139,000	4/26/10	136,000	8/20/10	133,000

[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, Fourth Quarter FY2010 and Three Previous Quarters

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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	10/27/09	340	2200	1/29/10	180	1100	4/5/10	190	1200	8/4/10	280	1700
			Chloroform	10/27/09	720	3500	1/29/10	440	2200	4/5/10	530	2600	8/4/10	720	3500
			Dichlorodifluoromethane	10/27/09	560	2800	1/29/10	340	1700	4/5/10	380	1900	8/4/10	740	3600
			Dichloroethane[1,1-]	10/27/09	5700	23,000	1/29/10	3200	13,000	4/5/10	3200	13,000	8/4/10	4500	18,000
			Dichloroethane[1,2-]	10/27/09	13,000	53,000	1/29/10	8200	33,000	4/5/10	8800	36,000	8/4/10	12,000	49,000
			Dichloroethene[1,1-]	10/27/09	3300	13,000	1/29/10	1800	7300	4/5/10	1500	6100	8/4/10	2200	8700
			Dichloropropane[1,2-]	10/27/09	380	1800	1/29/10	220	1000	4/5/10	290	1300	8/4/10	320	1500
			Hexane	10/27/09	250	880	1/29/10	ND[a]	ND	4/5/10	ND	ND	8/4/10	170	610
			Methylene chloride	10/27/09	3500	12,000	1/29/10	1400	4700	4/5/10	1300	4600	8/4/10	1900	6500
			Tetrachloroethene	10/27/09	19,000	130,000	1/29/10	11,000	72,000	4/5/10	13,000	91,000	8/4/10	16,000	110,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/27/09	4300	33,000	1/29/10	2700	21,000	4/5/10	3600	28,000	8/4/10	5100	39,000
			Trichloroethane[1,1,1-]	10/27/09	150,000	840,000	1/29/10	88,000	480,000	4/5/10	100,000	550,000	8/4/10	120,000	680,000
			Trichloroethene	10/27/09	50,000	270,000	1/29/10	43,000	230,000	4/5/10	50,000	270,000	8/4/10	65,000	350,000
			Trichlorofluoromethane	10/27/09	800	4500	1/29/10	450	2500	4/5/10	530	3000	8/4/10	830	4600
	80	77.5–82.5	Carbon tetrachloride	10/27/09	300	1900	1/29/10	120	740	4/16/10	460	2900	8/4/10	ND	ND
			Chloroform	10/27/09	850	4200	1/29/10	270	1300	4/16/10	1300	6500	8/4/10	1000	4900
			Dichlorodifluoromethane	10/27/09	660	3300	1/29/10	200	1000	4/16/10	920	4500	8/4/10	830	4100
			Dichloroethane[1,1-]	10/27/09	5700	23,000	1/29/10	1700	6900	4/16/10	7600	31,000	8/4/10	5800	23,000
			Dichloroethane[1,2-]	10/27/09	12,000	50,000	1/29/10	4200	17,000	4/16/10	21,000	86,000	8/4/10	15,000	63,000
			Dichloroethene[1,1-]	10/27/09	4400	18,000	1/29/10	1300	5000	4/16/10	4300	17,000	8/4/10	3300	13,000
			Dichloropropane[1,2-]	10/27/09	530	2400	1/29/10	160	740	4/16/10	870	4000	8/4/10	470	2200
			Hexane	10/27/09	200	700	1/29/10	ND	ND	4/16/10	ND	ND	8/4/10	270	940

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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 (cont.)	80	77.5–82.5	Methylene chloride	10/27/09	5700	20,000	1/29/10	1400	4900	4/16/10	5400	19,000	8/4/10	4000	14,000
			Tetrachloroethene	10/27/09	19,000	130,000	1/29/10	5800	39,000	4/16/10	32,000	220,000	8/4/10	20,000	140,000
			Tetrahydrofuran	10/27/09	180	540	1/29/10	ND	ND	4/16/10	ND	ND	8/4/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/27/09	3700	29,000	1/29/10	1200	9200	4/16/10	8500	66,000	8/4/10	5700	44,000
			Trichloroethane[1,1,1-]	10/27/09	160,000	870,000	1/29/10	48,000	260,000	4/16/10	240,000	1,300,000	8/4/10	160,000	890,000
			Trichloroethene	10/27/09	38,000	210,000	1/29/10	14,000	73,000	4/16/10	82,000	440,000	8/4/10	60,000	320,000
			Trichlorofluoromethane	10/27/09	840	4700	1/29/10	250	1400	4/16/10	1300	7300	8/4/10	1000	5700
	120	117.5–122.5	Acetone	10/27/09	ND	ND	1/29/10	ND	ND	4/16/10	310	730	8/4/10	ND	ND
			Carbon tetrachloride	10/27/09	200	1200	1/29/10	93	580	4/16/10	45	280	8/4/10	ND	ND
			Chloroform	10/27/09	680	3300	1/29/10	260	1200	4/16/10	160	760	8/4/10	690	3400
			Dichlorodifluoromethane	10/27/09	600	3000	1/29/10	220	1100	4/16/10	110	540	8/4/10	500	2500
			Dichloroethane[1,1-]	10/27/09	4200	17,000	1/29/10	1500	6100	4/16/10	850	3400	8/4/10	3900	16,000
			Dichloroethane[1,2-]	10/27/09	7300	30,000	1/29/10	2600	11,000	4/16/10	1300	5200	8/4/10	7200	29,000
			Dichloroethene[1,1-]	10/27/09	4500	18,000	1/29/10	1600	6100	4/16/10	590	2400	8/4/10	3500	14,000
			Dichloropropane[1,2-]	10/27/09	520	2400	1/29/10	200	920	4/16/10	92	430	8/4/10	480	2200
			Methylene chloride	10/27/09	5800	20,000	1/29/10	1700	5900	4/16/10	860	3000	8/4/10	4000	14,000
			Tetrachloroethene	10/27/09	9100	62,000	1/29/10	2900	20,000	4/16/10	3000	20,000	8/4/10	8600	58,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/27/09	2400	18,000	1/29/10	860	6600	4/16/10	660	5100	8/4/10	2700	21,000
			Trichloroethane[1,1,1-]	10/27/09	120,000	670,000	1/29/10	44,000	240,000	4/16/10	27,000	150,000	8/4/10	110,000	620,000
			Trichloroethene	10/27/09	26,000	140,000	1/29/10	9900	53,000	4/16/10	6800	37,000	8/4/10	27,000	140,000
			Trichlorofluoromethane	10/27/09	610	3400	1/29/10	220	1200	4/16/10	150	840	8/4/10	580	3200
	140	137.5–142.5	Carbon tetrachloride	10/27/09	190	1200	1/29/10	27	170	4/16/10	180	1100	8/4/10	230	1400
			Chloroform	10/27/09	660	3200	1/29/10	84	410	4/16/10	720	3500	8/4/10	890	4300

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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 cont.)	140	137.5–142.5	Dichlorodifluoromethane	10/27/09	590	2900	1/29/10	74	360	4/16/10	580	2900	8/4/10	640	3200
			Dichloroethane[1,1-]	10/27/09	4000	16,000	1/29/10	510	2100	4/16/10	4100	16,000	8/4/10	5100	20,000
			Dichloroethane[1,2-]	10/27/09	7100	29,000	1/29/10	940	3800	4/16/10	8200	33,000	8/4/10	9200	37,000
			Dichloroethene[1,1-]	10/27/09	4500	18,000	1/29/10	460	1800	4/16/10	3600	14,000	8/4/10	4300	17,000
			Dichloropropane[1,2-]	10/27/09	510	2400	1/29/10	64	290	4/16/10	530	2400	8/4/10	660	3000
			Methylene chloride	10/27/09	5700	20,000	1/29/10	610	2100	4/16/10	5200	18,000	8/4/10	5800	20,000
			Tetrachloroethene	10/27/09	8000	54,000	1/29/10	1000	7000	4/16/10	10,000	69,000	8/4/10	11,000	74,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/27/09	2300	18,000	1/29/10	300	2300	4/16/10	2800	21,000	8/4/10	3400	26,000
			Trichloroethane[1,1,1-]	10/27/09	120,000	640,000	1/29/10	15,000	81,000	4/16/10	130,000	710,000	8/4/10	150,000	800,000
			Trichloroethene	10/27/09	24,000	130,000	1/29/10	3300	18,000	4/16/10	29,000	150,000	8/4/10	34,000	180,000
			Trichlorofluoromethane	10/27/09	600	3400	1/29/10	77	430	4/16/10	700	3900	8/4/10	760	4300
54-02002	40	37.5–42.5	Benzene	11/9/09	630	2000	2/3/10	820	2600	4/23/10	700	2200	8/5/10	710	2200
			Carbon tetrachloride	11/9/09	700	4400	2/3/10	860	5400	4/23/10	660	4100	8/5/10	700	4400
			Chlorobenzene	11/9/09	280	1300	2/3/10	370	1700	4/23/10	ND	ND	8/5/10	270	1200
			Chloroform	11/9/09	4200	20,000	2/3/10	5400	26,000	4/23/10	4400	21,000	8/5/10	4800	24,000
			Dichlorodifluoromethane	11/9/09	310	1500	2/3/10	410	2000	4/23/10	ND	ND	8/5/10	370	1800
			Dichloroethane[1,1-]	11/9/09	2700	11,000	2/3/10	3400	14,000	4/23/10	3000	12,000	8/5/10	3200	13,000
			Dichloroethane[1,2-]	11/9/09	3600	15,000	2/3/10	4800	19,000	4/23/10	3900	16,000	8/5/10	4000	16,000
			Dichloroethene[1,1-]	11/9/09	9300	37,000	2/3/10	11,000	44,000	4/23/10	8700	34,000	8/5/10	9500	38,000
			Dichloropropane[1,2-]	11/9/09	7200	33,000	2/3/10	9700	45,000	4/23/10	7400	34,000	8/5/10	8400	39,000
			Ethanol	11/9/09	ND	ND	2/3/10	2600	4800	4/23/10	3500	6600	8/5/10	2700	5200
			Hexane	11/9/09	260	920	2/3/10	280	980	4/23/10	ND	ND	8/5/10	ND	ND
			Methylene chloride	11/9/09	14,000	47,000	2/3/10	15,000	52,000	4/23/10	14,000	50,000	8/5/10	15,000	52,000
			Tetrachloroethene	11/9/09	4200	29,000	2/3/10	5400	37,000	4/23/10	3600	25,000	8/5/10	4400	30,000
			Tetrahydrofuran	11/9/09	270	790	2/3/10	340	1000	4/23/10	ND	ND	8/5/10	310	900

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)	Date	Result (ppbv)	Result ($\mu g/m^3$)
54-02002 (cont.)	40	37.5–42.5	Toluene	11/9/09	1200	4400	2/3/10	1800	6800	4/23/10	1600	6200	8/5/10	1100	4100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/9/09	24,000	190,000	2/3/10	30,000	230,000	4/23/10	26,000	200,000	8/5/10	35,000	260,000
			Trichloroethane[1,1,1-]	11/9/09	140,000	780,000	2/3/10	170,000	940,000	4/23/10	150,000	840,000	8/5/10	160,000	880,000
			Trichloroethene	11/9/09	36,000	190,000	2/3/10	48,000	260,000	4/23/10	38,000	200,000	8/5/10	41,000	220,000
			Trichlorofluoromethane	11/9/09	3000	17,000	2/3/10	3500	20,000	4/23/10	3100	17,000	8/5/10	3200	18,000
			Xylene[1,2-]	11/9/09	550	2400	2/3/10	610	2600	4/23/10	ND	ND	8/5/10	430	1900
			Xylene[1,3-]+ xylene[1,4-]	11/9/09	250	1100	2/3/10	370	1600	4/23/10	ND	ND	8/5/10	ND	ND
	100	97.5–102.5	Benzene	11/9/09	490	1600	2/3/10	510	1600	4/23/10	ND	ND	8/5/10	410	1300
			Carbon tetrachloride	11/9/09	710	4500	2/3/10	750	4700	4/23/10	ND	ND	8/5/10	560	3600
			Chlorobenzene	11/9/09	320	1500	2/3/10	320	1500	4/23/10	ND	ND	8/5/10	220	1000
			Chloroform	11/9/09	4800	23,000	2/3/10	4900	24,000	4/23/10	4600	22,000	8/5/10	4400	21,000
			Dichlorodifluoromethane	11/9/09	320	1600	2/3/10	330	1600	4/23/10	ND	ND	8/5/10	300	1500
			Dichloroethane[1,1-]	11/9/09	4300	17,000	2/3/10	4200	17,000	4/23/10	4100	16,000	8/5/10	3800	15,000
			Dichloroethane[1,2-]	11/9/09	4000	16,000	2/3/10	4100	16,000	4/23/10	4000	16,000	8/5/10	3300	13,000
			Dichloroethene[1,1-]	11/9/09	8700	34,000	2/3/10	8800	35,000	4/23/10	6400	25,000	8/5/10	6500	26,000
			Dichloropropane[1,2-]	11/9/09	12,000	54,000	2/3/10	12,000	56,000	4/23/10	11,000	52,000	8/5/10	10,000	48,000
			Ethanol	11/9/09	ND	ND	2/3/10	2600	5000	4/23/10	3800	7100	8/5/10	2500	4600
			Methylene chloride	11/9/09	11,000	37,000	2/3/10	9900	34,000	4/23/10	10,000	35,000	8/5/10	8800	31,000
			Tetrachloroethene	11/9/09	5700	38,000	2/3/10	5300	36,000	4/23/10	4400	30,000	8/5/10	4400	30,000
			Tetrahydrofuran	11/9/09	7300	21,000	2/3/10	7700	23,000	4/23/10	7000	21,000	8/5/10	5600	16,000
			Toluene	11/9/09	1400	5100	2/3/10	1500	5800	4/23/10	1400	5300	8/5/10	1000	3900
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/9/09	45,000	340,000	2/3/10	46,000	350,000	4/23/10	45,000	340,000	8/5/10	51,000	390,000
			Trichloroethane[1,1,1-]	11/9/09	200,000	1,100,000	2/3/10	190,000	1,000,000	4/23/10	190,000	1,000,000	8/5/10	160,000	900,000
			Trichloroethene	11/9/09	43,000	230,000	2/3/10	44,000	240,000	4/23/10	42,000	220,000	8/5/10	37,000	200,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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	Trichlorofluoromethane	11/9/09	2400	13,000	2/3/10	2400	14,000	4/23/10	2100	12,000	8/5/10	2000	11,000
			Xylene[1,2-]	11/9/09	570	2500	2/3/10	500	2200	4/23/10	ND	ND	8/5/10	350	1500
			Xylene[1,3-]+ xylene[1,4-]	11/9/09	430	1800	2/3/10	470	2100	4/23/10	ND	ND	8/5/10	280	1200
	120	117.5–122.5	Benzene	11/9/09	540	1700	2/3/10	700	2200	4/23/10	530	1700	8/5/10	560	1800
			Carbon tetrachloride	11/9/09	690	4300	2/3/10	880	5500	4/23/10	530	3300	8/5/10	670	4200
			Chlorobenzene	11/9/09	310	1400	2/3/10	350	1600	4/23/10	ND	ND	8/5/10	280	1300
			Chloroform	11/9/09	4300	21,000	2/3/10	5600	28,000	4/23/10	4200	20,000	8/5/10	4900	24,000
			Dichlorodifluoromethane	11/9/09	300	1500	2/3/10	380	1900	4/23/10	ND	ND	8/5/10	330	1600
			Dichloroethane[1,1-]	11/9/09	3400	14,000	2/3/10	4200	17,000	4/23/10	3100	12,000	8/5/10	3700	15,000
			Dichloroethane[1,2-]	11/9/09	3900	16,000	2/3/10	5000	20,000	4/23/10	3700	15,000	8/5/10	4000	16,000
			Dichloroethene[1,1-]	11/9/09	8600	34,000	2/3/10	10,000	40,000	4/23/10	6300	25,000	8/5/10	8200	33,000
			Dichloropropane[1,2-]	11/9/09	9200	42,000	2/3/10	12,000	56,000	4/23/10	9400	43,000	8/5/10	10,000	48,000
			Ethanol	11/9/09	ND	ND	2/3/10	3100	5800	4/23/10	3400	6400	8/5/10	3100	5900
			Hexane	11/9/09	ND	ND	2/3/10	210	740	4/23/10	ND	ND	8/5/10	ND	ND
			Methylene chloride	11/9/09	12,000	43,000	2/3/10	14,000	47,000	4/23/10	11,000	37,000	8/5/10	13,000	44,000
			Tetrachloroethene	11/9/09	4600	31,000	2/3/10	5500	38,000	4/23/10	4000	27,000	8/5/10	4600	31,000
			Tetrahydrofuran	11/9/09	2200	6600	2/3/10	3000	8800	4/23/10	2200	6400	8/5/10	2200	6600
			Toluene	11/9/09	1000	4000	2/3/10	1300	5000	4/23/10	960	3600	8/5/10	1100	4300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/9/09	30,000	230,000	2/3/10	39,000	300,000	4/23/10	30,000	230,000	8/5/10	44,000	330,000
			Trichloroethane[1,1,1-]	11/9/09	160,000	880,000	2/3/10	200,000	1,100,000	4/23/10	160,000	860,000	8/5/10	170,000	940,000
			Trichloroethene	11/9/09	37,000	200,000	2/3/10	49,000	260,000	4/23/10	38,000	200,000	8/5/10	42,000	220,000
			Trichlorofluoromethane	11/9/09	2500	14,000	2/3/10	3100	17,000	4/23/10	2100	12,000	8/5/10	2600	14,000
			Xylene[1,2-]	11/9/09	590	2500	2/3/10	560	2400	4/23/10	ND	ND	8/5/10	420	1800
			Xylene[1,3-]+ xylene[1,4-]	11/9/09	320	1400	2/3/10	310	1400	4/23/10	ND	ND	8/5/10	290	1200

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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	Benzene	11/9/09	570	1800	2/3/10	730	2300	NS[b]	NS	NS	8/5/10	570	1800
			Carbon tetrachloride	11/9/09	710	4500	2/3/10	930	5900	NS	NS	NS	8/5/10	650	4100
			Chlorobenzene	11/9/09	340	1600	2/3/10	380	1700	NS	NS	NS	8/5/10	270	1300
			Chloroform	11/9/09	4400	22,000	2/3/10	5800	28,000	NS	NS	NS	8/5/10	4500	22,000
			Dichlorodifluoromethane	11/9/09	310	1500	2/3/10	380	1900	NS	NS	NS	8/5/10	320	1600
			Dichloroethane[1,1-]	11/9/09	3500	14,000	2/3/10	4400	18,000	NS	NS	NS	8/5/10	3500	14,000
			Dichloroethane[1,2-]	11/9/09	4000	16,000	2/3/10	5300	22,000	NS	NS	NS	8/5/10	3900	16,000
			Dichloroethene[1,1-]	11/9/09	9200	36,000	2/3/10	11,000	42,000	NS	NS	NS	8/5/10	8000	32,000
			Dichloropropane[1,2-]	11/9/09	9500	44,000	2/3/10	13,000	60,000	NS	NS	NS	8/5/10	9900	46,000
			Ethanol	11/9/09	ND	ND	2/3/10	3400	6300	NS	NS	NS	8/5/10	3000	5700
			Hexane	11/9/09	ND	ND	2/3/10	210	760	NS	NS	NS	8/5/10	ND	ND
			Methylene chloride	11/9/09	13,000	44,000	2/3/10	14,000	50,000	NS	NS	NS	8/5/10	12,000	43,000
			Tetrachloroethene	11/9/09	5100	34,000	2/3/10	5800	39,000	NS	NS	NS	8/5/10	4400	30,000
			Tetrahydrofuran	11/9/09	2000	5800	2/3/10	2500	7500	NS	NS	NS	8/5/10	1800	5400
			Toluene	11/9/09	1000	3900	2/3/10	1300	4800	NS	NS	NS	8/5/10	880	3300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/9/09	31,000	240,000	2/3/10	41,000	310,000	NS	NS	NS	8/5/10	40,000	310,000
			Trichloroethane[1,1,1-]	11/9/09	170,000	920,000	2/3/10	210,000	1,100,000	NS	NS	NS	8/5/10	160,000	900,000
			Trichloroethene	11/9/09	39,000	210,000	2/3/10	52,000	280,000	NS	NS	NS	8/5/10	40,000	220,000
			Trichlorofluoromethane	11/9/09	2600	15,000	2/3/10	3300	18,000	NS	NS	NS	8/5/10	2500	14,000
			Xylene[1,2-]	11/9/09	610	2600	2/3/10	550	2400	NS	NS	NS	8/5/10	370	1600
			Xylene[1,3-]+ xylene[1,4-]	11/9/09	260	1100	2/3/10	240	1000	NS	NS	NS	8/5/10	ND	ND
	200	197.5-202.5	Benzene	NS	NS	NS	NS	NS	NS	4/23/10	780	2500	NS	NS	NS
			Carbon tetrachloride	NS	NS	NS	NS	NS	NS	4/23/10	690	4300	NS	NS	NS
			Chloroform	NS	NS	NS	NS	NS	NS	4/23/10	3800	19,000	NS	NS	NS
			Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	4/23/10	390	1900	NS	NS	NS

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	200	197.5-202.5	Dichloroethane[1,1-]	NS	NS	NS	NS	NS	NS	4/23/10	1800	7300	NS	NS	NS
			Dichloroethane[1,2-]	NS	NS	NS	NS	NS	NS	4/23/10	2000	7900	NS	NS	NS
			Dichloroethene[1,1-]	NS	NS	NS	NS	NS	NS	4/23/10	9900	39,000	NS	NS	NS
			Dichloropropane[1,2-]	NS	NS	NS	NS	NS	NS	4/23/10	3600	16,000	NS	NS	NS
			Hexane	NS	NS	NS	NS	NS	NS	4/23/10	430	1500	NS	NS	NS
			Methylene chloride	NS	NS	NS	NS	NS	NS	4/23/10	14,000	48,000	NS	NS	NS
			Tetrachloroethene	NS	NS	NS	NS	NS	NS	4/23/10	2600	18,000	NS	NS	NS
			Toluene	NS	NS	NS	NS	NS	NS	4/23/10	1100	4200	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	NS	NS	NS	4/23/10	20,000	150,000	NS	NS	NS
			Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	4/23/10	110,000	600,000	NS	NS	NS
			Trichloroethene	NS	NS	NS	NS	NS	NS	4/23/10	32,000	170,000	NS	NS	NS
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	4/23/10	3400	19000	NS	NS	NS
54-02016	31	28.5–33.5	Carbon tetrachloride	11/3/09	570	3600	1/26/10	940	5900	4/20/10	ND	ND	7/27/10	530	3300
			Chloroform	11/3/09	2900	14,000	1/26/10	4700	23,000	4/20/10	3000	14,000	7/27/10	3200	16,000
			Dichlorodifluoromethane	11/3/09	330	1600	1/26/10	620	3000	4/20/10	560	2800	7/27/10	960	4700
			Dichloroethane[1,1-]	11/3/09	5400	22,000	1/26/10	8500	34,000	4/20/10	5500	22,000	7/27/10	6000	24,000
			Dichloroethane[1,2-]	11/3/09	46,000	190,000	1/26/10	83,000	340,000	4/20/10	56,000	220,000	7/27/10	57,000	230,000
			Dichloroethene[1,1-]	11/3/09	11,000	43,000	1/26/10	16,000	64,000	4/20/10	7500	30,000	7/27/10	9800	39,000
			Dichloropropane[1,2-]	11/3/09	7200	33,000	1/26/10	12,000	54,000	4/20/10	6800	31,000	7/27/10	7800	36,000
			Tetrachloroethene	11/3/09	4700	32,000	1/26/10	8100	55,000	4/20/10	3700	25,000	7/27/10	4400	30,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/3/09	100,000	780,000	1/26/10	180,000	1,400,000	4/20/10	120,000	890,000	7/27/10	130,000	1,000,000
			Trichloroethane[1,1,1-]	11/3/09	230,000	1,300,000	1/26/10	330,000	1,800,000	4/20/10	230,000	1,200,000	7/27/10	230,000	1,200,000
			Trichloroethene	11/3/09	50,000	270,000	1/26/10	82,000	440,000	4/20/10	49,000	260,000	7/27/10	55,000	300,000
			Trichlorofluoromethane	11/3/09	1200	6900	1/26/10	1900	11,000	4/20/10	1300	7200	7/27/10	1500	8200

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02016 (cont.)	82	79.5–84.5	Carbon tetrachloride	11/3/09	360	2300	1/26/10	380	2400	4/20/10	ND	ND	7/27/10	370	2400
			Chloroform	11/3/09	1100	5500	1/26/10	1000	4900	4/20/10	580	2800	7/27/10	1300	6400
			Dichlorodifluoromethane	11/3/09	240	1200	1/26/10	280	1400	4/20/10	280	1400	7/27/10	640	3200
			Dichloroethane[1,1-]	11/3/09	2700	11,000	1/26/10	2400	9900	4/20/10	1600	6300	7/27/10	3200	13,000
			Dichloroethane[1,2-]	11/3/09	3900	16,000	1/26/10	4200	17,000	4/20/10	2000	8100	7/27/10	5600	22,000
			Dichloroethene[1,1-]	11/3/09	7300	29,000	1/26/10	7000	28,000	4/20/10	3800	15,000	7/27/10	6600	26,000
			Dichloropropane[1,2-]	11/3/09	2000	9100	1/26/10	1700	8000	4/20/10	860	4000	7/27/10	2400	11,000
			Tetrachloroethene	11/3/09	2800	19,000	1/26/10	3000	20,000	4/20/10	1800	12,000	7/27/10	3400	23,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/3/09	75,000	580,000	1/26/10	96,000	730,000	4/20/10	66,000	510,000	7/27/10	94,000	720,000
			Trichloroethane[1,1,1-]	11/3/09	150,000	800,000	1/26/10	130,000	730,000	4/20/10	98,000	530,000	7/27/10	160,000	880,000
			Trichloroethene	11/3/09	27,000	140,000	1/26/10	26,000	140,000	4/20/10	16,000	87,000	7/27/10	37,000	200,000
			Trichlorofluoromethane	11/3/09	860	4800	1/26/10	910	5100	4/20/10	680	3800	7/27/10	1000	5800
54-02021	20	10–30	Carbon tetrachloride	10/28/09	35	220	1/27/10	ND	ND	4/1/10	26	160	7/28/10	25	160
			Chloroform	10/28/09	85	410	1/27/10	58	280	4/1/10	85	410	7/28/10	88	430
			Dichlorodifluoromethane	10/28/09	87	430	1/27/10	67	330	4/1/10	92	450	7/28/10	74	360
			Dichloroethane[1,1-]	10/28/09	530	2100	1/27/10	360	1500	4/1/10	510	2100	7/28/10	520	2100
			Dichloroethane[1,2-]	10/28/09	300	1200	1/27/10	220	910	4/1/10	340	1400	7/28/10	290	1200
			Dichloroethene[1,1-]	10/28/09	740	3000	1/27/10	550	2200	4/1/10	680	2700	7/28/10	740	2900
			Dichloropropane[1,2-]	10/28/09	56	260	1/27/10	41	190	4/1/10	57	260	7/28/10	59	270
			Tetrachloroethene	10/28/09	610	4100	1/27/10	420	2800	4/1/10	680	4600	7/28/10	600	4100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/28/09	310	2400	1/27/10	230	1800	4/1/10	360	2800	7/28/10	340	2600
			Trichloroethane[1,1,1-]	10/28/09	17,000	93,000	1/27/10	11,000	62,000	4/1/10	18,000	98,000	7/28/10	19,000	100,000
			Trichloroethene	10/28/09	3600	19,000	1/27/10	2400	13,000	4/1/10	3600	20,000	7/28/10	3,800	20,000
			Trichlorofluoromethane	10/28/09	85	480	1/27/10	63	350	4/1/10	99	560	7/28/10	98	550

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	100	90–110	Carbon tetrachloride	10/28/09	71	450	1/27/10	92	580	4/1/10	80	510	7/28/10	83	520
			Chloroform	10/28/09	160	780	1/27/10	220	1100	4/1/10	250	1200	7/28/10	230	1100
			Dichlorodifluoromethane	10/28/09	160	790	1/27/10	240	1200	4/1/10	240	1200	7/28/10	240	1200
			Dichloroethane[1,1-]	10/28/09	990	4000	1/27/10	1400	5600	4/1/10	1400	5800	7/28/10	1600	6300
			Dichloroethane[1,2-]	10/28/09	1200	4600	1/27/10	1700	6700	4/1/10	1800	7400	7/28/10	1700	6800
			Dichloroethene[1,1-]	10/28/09	1500	6000	1/27/10	2300	9000	4/1/10	1900	7400	7/28/10	1900	7600
			Dichloropropane[1,2-]	10/28/09	130	610	1/27/10	200	900	4/1/10	200	920	7/28/10	210	980
			Methylene chloride	10/28/09	500	1700	1/27/10	640	2200	4/1/10	700	2400	7/28/10	760	2600
			Tetrachloroethene	10/28/09	960	6600	1/27/10	1400	9400	4/1/10	1600	10,000	7/28/10	1500	10,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/28/09	650	5000	1/27/10	900	6900	4/1/10	990	7600	7/28/10	1000	7700
			Trichloroethane[1,1,1-]	10/28/09	35,000	190,000	1/27/10	47,000	260,000	4/1/10	53,000	290,000	7/28/10	51,000	280,000
			Trichloroethene	10/28/09	6900	37,000	1/27/10	9900	53,000	4/1/10	10,000	56,000	7/28/10	10,000	56,000
			Trichlorofluoromethane	10/28/09	160	920	1/27/10	230	1300	4/1/10	260	1400	7/28/10	260	1500
	120	110–130	Carbon tetrachloride	10/28/09	47	300	NS	NS	NS	4/1/10	57	360	7/28/10	63	400
			Chloroform	10/28/09	120	570	NS	NS	NS	4/1/10	170	840	7/28/10	210	1000
			Dichlorodifluoromethane	10/28/09	120	580	NS	NS	NS	4/1/10	180	880	7/28/10	220	1100
			Dichloroethane[1,1-]	10/28/09	690	2800	NS	NS	NS	4/1/10	970	3900	7/28/10	1200	5000
			Dichloroethane[1,2-]	10/28/09	740	3000	NS	NS	NS	4/1/10	1100	4600	7/28/10	1400	5500
			Dichloroethene[1,1-]	10/28/09	1100	4400	NS	NS	NS	4/1/10	1400	5400	7/28/10	1900	7400
			Dichloropropane[1,2-]	10/28/09	87	400	NS	NS	NS	4/1/10	130	580	7/28/10	170	780
			Methylene chloride	10/28/09	450	1600	NS	NS	NS	4/1/10	590	2000	7/28/10	760	2600
			Tetrachloroethene	10/28/09	650	4400	NS	NS	NS	4/1/10	970	6600	7/28/10	1200	8100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/28/09	490	3700	NS	NS	NS	4/1/10	730	5600	7/28/10	980	7500
			Trichloroethane[1,1,1-]	10/28/09	25,000	140,000	NS	NS	NS	4/1/10	37,000	200,000	7/28/10	45,000	250,000
			Trichloroethene	10/28/09	5000	27,000	NS	NS	NS	4/1/10	7200	39,000	7/28/10	9200	50,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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	Trichlorofluoromethane	10/28/09	120	670	NS	NS	NS	4/1/10	190	1100	7/28/10	240	1400
	140	130–150	Carbon tetrachloride	10/28/09	87	550	1/27/10	120	780	4/1/10	92	580	7/28/10	95	600
			Chloroform	10/28/09	180	900	1/27/10	270	1300	4/1/10	260	1300	7/28/10	240	1200
			Dichlorodifluoromethane	10/28/09	190	950	1/27/10	300	1500	4/1/10	280	1400	7/28/10	330	1600
			Dichloroethane[1,1-]	10/28/09	1000	4200	1/27/10	1600	6300	4/1/10	1400	5700	7/28/10	1500	5900
			Dichloroethane[1,2-]	10/28/09	1000	4100	1/27/10	1600	6400	4/1/10	1500	6000	7/28/10	1500	6000
			Dichloroethene[1,1-]	10/28/09	2000	7900	1/27/10	3000	12,000	4/1/10	2200	8700	7/28/10	2400	9700
			Dichloropropane[1,2-]	10/28/09	130	580	1/27/10	190	880	4/1/10	160	730	7/28/10	180	810
			Methylene chloride	10/28/09	790	2700	1/27/10	1000	3600	4/1/10	980	3400	7/28/10	1200	4100
			Tetrachloroethene	10/28/09	990	6700	1/27/10	1500	10,000	4/1/10	1400	9700	7/28/10	1400	9300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/28/09	820	6300	1/27/10	1200	9600	4/1/10	1200	9300	7/28/10	1200	9200
			Trichloroethane[1,1,1-]	10/28/09	40,000	220,000	1/27/10	58,000	310,000	4/1/10	57,000	310,000	7/28/10	54,000	300,000
			Trichloroethene	10/28/09	8000	43,000	1/27/10	12,000	67,000	4/1/10	11,000	60,000	7/28/10	11,000	60,000
			Trichlorofluoromethane	10/28/09	200	1100	1/27/10	300	1700	4/1/10	300	1700	7/28/10	300	1700
	160	150–170	Carbon tetrachloride	NS	NS	NS	1/27/10	72	450	NS	NS	NS	NS	NS	NS
			Chloroform	NS	NS	NS	1/27/10	150	750	NS	NS	NS	NS	NS	NS
			Dichlorodifluoromethane	NS	NS	NS	1/27/10	190	930	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	NS	NS	NS	1/27/10	840	3400	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	NS	NS	NS	1/27/10	690	2800	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	NS	NS	NS	1/27/10	1800	7200	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	NS	NS	NS	1/27/10	89	410	NS	NS	NS	NS	NS	NS
			Methylene chloride	NS	NS	NS	1/27/10	700	2400	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	NS	NS	NS	1/27/10	810	5500	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	1/27/10	780	6000	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	NS	NS	NS	1/27/10	34,000	180,000	NS	NS	NS	NS	NS	NS

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	160	150–170	Trichloroethene	NS	NS	NS	1/27/10	7200	39,000	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	NS	NS	NS	1/27/10	190	1000	NS	NS	NS	NS	NS	NS
54-02022	40	37.5–42.5	Chloroform	10/28/09	200	990	1/28/10	280	1400	4/5/10	310	1500	8/2/10	270	1300
			Dichlorodifluoromethane	10/28/09	190	950	1/28/10	260	1300	4/5/10	280	1400	8/2/10	240	1200
			Dichloroethane[1,1-]	10/28/09	1400	5800	1/28/10	2000	8100	4/5/10	2000	8300	8/2/10	1900	7600
			Dichloroethane[1,2-]	10/28/09	1500	6100	1/28/10	2200	9000	4/5/10	2300	9300	8/2/10	2000	8100
			Dichloroethene[1,1-]	10/28/09	1600	6600	1/28/10	2000	7800	4/5/10	1600	6500	8/2/10	1600	6400
			Dichloropropane[1,2-]	10/28/09	180	810	1/28/10	240	1100	4/5/10	230	1100	8/2/10	210	960
			Methylene chloride	10/28/09	100	360	1/28/10	98	340	4/5/10	94	330	8/2/10	77 (J)	270 (J)
			Tetrachloroethene	10/28/09	2300	15,000	1/28/10	3200	22,000	4/5/10	3400	23,000	8/2/10	3200	22,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/28/09	650	5000	1/28/10	920	7000	4/5/10	1100	8400	8/2/10	1100	8500
			Trichloroethane[1,1,1-]	10/28/09	48,000	260,000	1/28/10	65,000	360,000	4/5/10	70,000	380,000	8/2/10	62,000	340,000
			Trichloroethene	10/28/09	9400	51,000	1/28/10	14,000	75,000	4/5/10	14,000	75,000	8/2/10	14,000	74,000
			Trichlorofluoromethane	10/28/09	180	1000	1/28/10	250	1400	4/5/10	290	1600	8/2/10	250	1400
	80	77.5–82.5	Chloroform	10/28/09	260	1200	1/28/10	310	1500	4/5/10	360	1800	8/2/10	330	1600
			Dichlorodifluoromethane	10/28/09	250	1200	1/28/10	300	1500	4/5/10	340	1700	8/2/10	300	1500
			Dichloroethane[1,1-]	10/28/09	1800	7200	1/28/10	2100	8400	4/5/10	2300	9400	8/2/10	2200	8900
			Dichloroethane[1,2-]	10/28/09	2200	9100	1/28/10	2700	11,000	4/5/10	3200	13,000	8/2/10	2800	11,000
			Dichloroethene[1,1-]	10/28/09	2100	8200	1/28/10	2200	8800	4/5/10	2100	8400	8/2/10	2000	8100
			Dichloropropane[1,2-]	10/28/09	220	1000	1/28/10	260	1200	4/5/10	300	1400	8/2/10	280	1300
			Methylene Chloride	10/28/09	570	2000	1/28/10	580	2000	4/5/10	690	2400	8/2/10	580	2000
			Tetrachloroethene	10/28/09	2400	16,000	1/28/10	2700	18,000	4/5/10	3500	24,000	8/2/10	3200	22,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/28/09	780	6000	1/28/10	890	6800	4/5/10	1100	8400	8/2/10	1100	8600
			Trichloroethane[1,1,1-]	10/28/09	62,000	340,000	1/28/10	71,000	380,000	4/5/10	84,000	460,000	8/2/10	76,000	410,000
			Trichloroethene	10/28/09	12,000	62,000	1/28/10	14,000	73,000	4/5/10	16,000	85,000	8/2/10	15,000	81,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	80	77.5–82.5	Trichlorofluoromethane	10/28/09	220	1300	1/28/10	270	1500	4/5/10	340	1900	8/2/10	300	1700
	120	117.5-122.5	Chloroform	10/28/09	310	1500	1/28/10	380	1800	4/5/10	410	2000	8/2/10	380	1800
			Dichlorodifluoromethane	10/28/09	300	1500	1/28/10	380	1900	4/5/10	390	1900	8/2/10	350	1700
			Dichloroethane[1,1-]	10/28/09	1900	7800	1/28/10	2300	9400	4/5/10	2400	9800	8/2/10	2300	9400
			Dichloroethane[1,2-]	10/28/09	2100	8600	1/28/10	2600	11,000	4/5/10	2900	12,000	8/2/10	2600	10,000
			Dichloroethene[1,1-]	10/28/09	2900	12,000	1/28/10	3200	13,000	4/5/10	2800	11,000	8/2/10	2800	11,000
			Dichloropropane[1,2-]	10/28/09	260	1200	1/28/10	310	1400	4/5/10	320	1500	8/2/10	300	1400
			Methylene Chloride	10/28/09	840	2900	1/28/10	860	3000	4/5/10	950	3300	8/2/10	880	3000
			Tetrachloroethene	10/28/09	2000	14,000	1/28/10	2100	14,000	4/5/10	2700	18,000	8/2/10	2700	18,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/28/09	890	6800	1/28/10	1100	8200	4/5/10	1200	9000	8/2/10	1200	9000
			Trichloroethane[1,1,1-]	10/28/09	74,000	400,000	1/28/10	85,000	470,000	4/5/10	95,000	520,000	8/2/10	85,000	460,000
			Trichloroethene	10/28/09	13,000	72,000	1/28/10	16,000	85,000	4/5/10	17,000	92,000	8/2/10	16,000	87,000
			Trichlorofluoromethane	10/28/09	270	1500	1/28/10	330	1900	4/5/10	380	2200	8/2/10	340	1900
	140	137.5-142.5	Chloroform	10/28/09	250	1200	1/28/10	310	1500	4/5/10	370	1800	8/2/10	330	1600
			Dichlorodifluoromethane	10/28/09	280	1400	1/28/10	350	1700	4/5/10	400	2000	8/2/10	350	1700
			Dichloroethane[1,1-]	10/28/09	1500	6100	1/28/10	1800	7300	4/5/10	2000	8000	8/2/10	2000	8000
			Dichloroethane[1,2-]	10/28/09	1200	4700	1/28/10	1600	6400	4/5/10	1700	6900	8/2/10	1600	6600
			Dichloroethene[1,1-]	10/28/09	3000	12,000	1/28/10	3500	14,000	4/5/10	3200	13,000	8/2/10	3300	13,000
			Dichloropropane[1,2-]	10/28/09	160	750	1/28/10	220	1000	4/5/10	220	1000	8/2/10	210	980
			Methylene Chloride	10/28/09	1300	4400	1/28/10	1400	4800	4/5/10	1600	5600	8/2/10	1500	5400
			Tetrachloroethene	10/28/09	1300	8900	1/28/10	1500	10,000	4/5/10	1800	12,000	8/2/10	1800	12,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/28/09	840	6400	1/28/10	970	7500	4/5/10	1200	9000	8/2/10	1200	8800
			Trichloroethane[1,1,1-]	10/28/09	62,000	340,000	1/28/10	74,000	400,000	4/5/10	87,000	470,000	8/2/10	79,000	430,000
			Trichloroethene	10/28/09	12,000	63,000	1/28/10	14,000	77,000	4/5/10	16,000	84,000	8/2/10	15,000	82,000
			Trichlorofluoromethane	10/28/09	260	1400	1/28/10	300	1700	4/5/10	380	2100	8/2/10	350	2000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-02023	40	30—50	Carbon tetrachloride	11/12/09	30	190	2/9/10	35	220	4/28/10	ND	ND	8/5/10	33	210
			Chloroform	11/12/09	250	1200	2/9/10	320	1600	4/28/10	240	1200	8/5/10	320	1600
			Dichlorodifluoromethane	11/12/09	37	180	2/9/10	51	250	4/28/10	34	170	8/5/10	48	240
			Dichloroethane[1,1-]	11/12/09	100	410	2/9/10	130	520	4/28/10	99	400	8/5/10	140	550
			Dichloroethane[1,2-]	11/12/09	16	64	2/9/10	21	84	4/28/10	ND	ND	8/5/10	19	78
			Dichloroethene[1,1-]	11/12/09	560	2200	2/9/10	740	2900	4/28/10	570	2300	8/5/10	740	2900
			Dichloropropane[1,2-]	11/12/09	80	370	2/9/10	100	490	4/28/10	79	360	8/5/10	110	500
			Methylene chloride	11/12/09	14	49	2/9/10	14	49	4/28/10	ND	ND	8/5/10	14	50
			Tetrachloroethene	11/12/09	200	1400	2/9/10	240	1600	4/28/10	180	1200	8/5/10	260	1700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/09	1300	10,000	2/9/10	1700	13,000	4/28/10	1400	11,000	8/5/10	1800	14,000
			Trichloroethane[1,1,1-]	11/12/09	7200	39,000	2/9/10	8800	48,000	4/28/10	6900	38,000	8/5/10	9400	51,000
			Trichloroethene	11/12/09	1900	10,000	2/9/10	2600	14,000	4/28/10	2000	11,000	8/5/10	2600	14,000
			Trichlorofluoromethane	11/12/09	250	1400	2/9/10	320	1800	4/28/10	250	1400	8/5/10	320	1800
	100	90–110	Benzene	11/12/09	31	99	2/9/10	33	100	4/28/10	ND	ND	8/5/10	42	130
			Carbon tetrachloride	11/12/09	61	380	2/9/10	63	400	4/28/10	43	270	8/5/10	70	440
			Chloroform	11/12/09	430	2100	2/9/10	440	2100	4/28/10	410	2000	8/5/10	580	2800
			Dichlorodifluoromethane	11/12/09	72	360	2/9/10	74	370	4/28/10	62	310	8/5/10	85	420
			Dichloroethane[1,1-]	11/12/09	180	720	2/9/10	180	710	4/28/10	150	600	8/5/10	240	960
			Dichloroethane[1,2-]	11/12/09	49	200	2/9/10	48	200	4/28/10	45	180	8/5/10	62	250
			Dichloroethene[1,1-]	11/12/09	1100	4400	2/9/10	1100	4500	4/28/10	910	3600	8/5/10	1400	5600
			Dichloropropane[1,2-]	11/12/09	130	600	2/9/10	130	620	4/28/10	120	550	8/5/10	180	830
			Methylene chloride	11/12/09	140	490	2/9/10	130	470	4/28/10	120	440	8/5/10	190	650
			Tetrachloroethene	11/12/09	340	2300	2/9/10	300	2100	4/28/10	280	1900	8/5/10	440	3000
			Toluene	11/12/09	25	93	2/9/10	25	94	4/28/10	ND	ND	8/5/10	30	110
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/09	2400	19,000	2/9/10	2400	18,000	4/28/10	2400	18,000	8/5/10	3200	25,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	100	90–110	Trichloroethane[1,1,1-]	11/12/09	12,000	67,000	2/9/10	12,000	64,000	4/28/10	12,000	64,000	8/5/10	16,000	86,000
			Trichloroethene	11/12/09	3600	19,000	2/9/10	3700	20,000	4/28/10	3500	19,000	8/5/10	4800	26,000
			Trichlorofluoromethane	11/12/09	460	2600	2/9/10	450	2500	4/28/10	430	2400	8/5/10	580	3300
	120	110–130	Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	8/5/10	220	1200
			Trichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	8/5/10	110	600
	140	130–149	Benzene	11/12/09	45	140	2/9/10	56	180	4/28/10	35	110	NS	NS	NS
			Carbon tetrachloride	11/12/09	85	540	2/9/10	100	630	4/28/10	57	360	NS	NS	NS
			Chloroform	11/12/09	400	2000	2/9/10	490	2400	4/28/10	340	1600	NS	NS	NS
			Dichlorodifluoromethane	11/12/09	86	430	2/9/10	110	530	4/28/10	65	320	NS	NS	NS
			Dichloroethane[1,1-]	11/12/09	160	640	2/9/10	190	770	4/28/10	120	490	NS	NS	NS
			Dichloroethane[1,2-]	11/12/09	25	100	2/9/10	33	130	4/28/10	ND	ND	NS	NS	NS
			Dichloroethene[1,1-]	11/12/09	1300	5100	2/9/10	1600	6200	4/28/10	970	3900	NS	NS	NS
			Dichloropropane[1,2-]	11/12/09	90	410	2/9/10	110	510	4/28/10	70	320	NS	NS	NS
			Methylene chloride	11/12/09	61	210	2/9/10	64	220	4/28/10	46	160	NS	NS	NS
			Tetrachloroethene	11/12/09	310	2100	2/9/10	340	2300	4/28/10	230	1500	NS	NS	NS
			Toluene	11/12/09	30	110	2/9/10	35	130	4/28/10	ND	ND	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/09	2700	21,000	2/9/10	3200	24,000	4/28/10	2400	18,000	NS	NS	NS
			Trichloroethane[1,1,1-]	11/12/09	12,000	66,000	2/9/10	14,000	74,000	4/28/10	10,000	55,000	NS	NS	NS
			Trichloroethene	11/12/09	3600	20,000	2/9/10	4500	24,000	4/28/10	3200	17,000	NS	NS	NS
			Trichlorofluoromethane	11/12/09	490	2700	2/9/10	570	3200	4/28/10	430	2400	NS	NS	NS
	159	149–169	Benzene	11/12/09	60	190	2/9/10	66	210	4/28/10	52	170	8/5/10	79	250
			Carbon tetrachloride	11/12/09	110	700	2/9/10	120	760	4/28/10	82	520	8/5/10	130	840
			Chloroform	11/12/09	480	2300	2/9/10	510	2500	4/28/10	430	2100	8/5/10	640	3100
			Dichlorodifluoromethane	11/12/09	110	550	2/9/10	130	630	4/28/10	95	470	8/5/10	130	660
			Dichloroethane[1,1-]	11/12/09	180	740	2/9/10	190	780	4/28/10	150	600	8/5/10	240	990

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	159	149–169	Dichloroethane[1,2-]	11/12/09	29	120	2/9/10	32	130	4/28/10	ND	ND	8/5/10	39	160
			Dichloroethene[1,1-]	11/12/09	1600	6500	2/9/10	1800	7000	4/28/10	1400	5600	8/5/10	2100	8400
			Dichloropropane[1,2-]	11/12/09	96	440	2/9/10	100	470	4/28/10	78	360	8/5/10	130	600
			Methylene chloride	11/12/09	160	570	2/9/10	150	510	4/28/10	140	490	8/5/10	210	720
			Tetrachloroethene	11/12/09	370	2500	2/9/10	380	2500	4/28/10	300	2000	8/5/10	470	3200
			Toluene	11/12/09	30	110	2/9/10	26	99	4/28/10	ND	ND	8/5/10	36	140
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/09	3400	26,000	2/9/10	3600	28,000	4/28/10	3400	26,000	8/5/10	4500	35,000
			Trichloroethane[1,1,1-]	11/12/09	14,000	79,000	2/9/10	14,000	79,000	4/28/10	13,000	71,000	8/5/10	18,000	99,000
			Trichloroethene	11/12/09	4500	24,000	2/9/10	4800	26,000	4/28/10	4200	22,000	8/5/10	5900	32,000
			Trichlorofluoromethane	11/12/09	620	3500	2/9/10	640	3600	4/28/10	580	3300	8/5/10	800	4500
54-02024	40	30–50	Benzene	11/13/09	ND	ND	2/10/10	8.5	27	4/28/10	ND	ND	8/10/10	21	66
			Carbon tetrachloride	11/13/09	38	240	2/10/10	29	180	4/28/10	41	260	8/10/10	57	360
			Chloroform	11/13/09	320	1600	2/10/10	220	1100	4/28/10	430	2100	8/10/10	510	2500
			Cyclohexane	11/13/09	ND	ND	2/10/10	130	450	4/28/10	ND	ND	8/10/10	ND	ND
			Dichlorodifluoromethane	11/13/09	30	150	2/10/10	22	110	4/28/10	ND	ND	8/10/10	43	210
			Dichloroethane[1,1-]	11/13/09	150	610	2/10/10	98	390	4/28/10	190	760	8/10/10	250	1000
			Dichloroethane[1,2-]	11/13/09	49	200	2/10/10	30	120	4/28/10	57	230	8/10/10	62	250
			Dichloroethene[1,1-]	11/13/09	550	2200	2/10/10	360	1400	4/28/10	710	2800	8/10/10	790	3100
			Dichloropropane[1,2-]	11/13/09	260	1200	2/10/10	170	790	4/28/10	320	1500	8/10/10	430	2000
			Ethylbenzene	11/13/09	30	130	2/10/10	ND	ND	4/28/10	ND	ND	8/10/10	ND	ND
			Ethyltoluene[4-]	11/13/09	80	390	2/10/10	ND	ND	4/28/10	ND	ND	8/10/10	ND	ND
			Methylene chloride	11/13/09	20	70	2/10/10	ND	ND	4/28/10	ND	ND	8/10/10	ND	ND
			Styrene	11/13/09	82	350	2/10/10	ND	ND	4/28/10	ND	ND	8/10/10	ND	ND
			Tetrachloroethene	11/13/09	300	2000	2/10/10	180	1200	4/28/10	340	2300	8/10/10	450	3000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/09	1400	11,000	2/10/10	960	7300	4/28/10	2100	16,000	8/10/10	2400	18,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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 (cont.)	40	30–50	Trichloroethane[1,1,1-]	11/13/09	8600	47,000	2/10/10	5500	30,000	4/28/10	11,000	61,000	8/10/10	13,000	74,000
			Trichloroethene	11/13/09	2200	12,000	2/10/10	1500	8000	4/28/10	3000	16,000	8/10/10	3700	20,000
			Trichlorofluoromethane	11/13/09	260	1400	2/10/10	180	980	4/28/10	350	2000	8/10/10	380	2100
			Trimethylbenzene[1,3,5-]	11/13/09	20	96	2/10/10	ND	ND	4/28/10	ND	ND	8/10/10	ND	ND
	100	90–110	Benzene	11/13/09	50	160	2/10/10	66	210	4/28/10	64	200	8/10/10	82	260
			Carbon tetrachloride	11/13/09	86	540	2/10/10	110	720	4/28/10	94	590	8/10/10	130	820
			Chloroform	11/13/09	620	3000	2/10/10	800	3900	4/28/10	830	4000	8/10/10	1000	4900
			Cyclohexane	11/13/09	ND	ND	2/10/10	460	1600	4/28/10	ND	ND	8/10/10	580	2000
			Dichlorodifluoromethane	11/13/09	67	330	2/10/10	85	420	4/28/10	76	370	8/10/10	86	420
			Dichloroethane[1,1-]	11/13/09	260	1100	2/10/10	310	1300	4/28/10	300	1200	8/10/10	410	1700
			Dichloroethane[1,2-]	11/13/09	140	580	2/10/10	180	720	4/28/10	180	750	8/10/10	220	870
			Dichloroethene[1,1-]	11/13/09	1200	4900	2/10/10	1400	5800	4/28/10	1300	5200	8/10/10	1700	6700
			Dichloropropane[1,2-]	11/13/09	420	1900	2/10/10	540	2500	4/28/10	520	2400	8/10/10	700	3200
			Methylene chloride	11/13/09	290	1000	2/10/10	340	1200	4/28/10	360	1200	8/10/10	410	1400
			Tetrachloroethene	11/13/09	520	3500	2/10/10	650	4400	4/28/10	610	4200	8/10/10	800	5400
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/09	2800	22,000	2/10/10	3600	28,000	4/28/10	4100	31,000	8/10/10	4700	36,000
			Trichloroethane[1,1,1-]	11/13/09	16,000	87,000	2/10/10	19,000	100,000	4/28/10	21,000	120,000	8/10/10	24,000	130,000
			Trichloroethene	11/13/09	4200	22,000	2/10/10	5500	30,000	4/28/10	5900	32,000	8/10/10	6900	37,000
			Trichlorofluoromethane	11/13/09	570	3200	2/10/10	690	3900	4/28/10	770	4300	8/10/10	830	4700
	120	110–130	Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Carbon tetrachloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Chloroform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	120	110–130	Dichloroethene[1,1-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Methylene chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	140	130–150	Benzene	11/13/09	90	280	2/10/10	100	340	4/28/10	110	340	8/10/10	140	440
			Carbon tetrachloride	11/13/09	110	680	2/10/10	140	860	4/28/10	120	750	8/10/10	170	1000
			Chloroform	11/13/09	700	3400	2/10/10	860	4200	4/28/10	900	4400	8/10/10	1200	5600
			Cyclohexane	11/13/09	ND	ND	2/10/10	480	1600	4/28/10	ND	ND	8/10/10	ND	ND
			Dichlorodifluoromethane	11/13/09	89	440	2/10/10	110	540	4/28/10	100	510	8/10/10	100	520
			Dichloroethane[1,1-]	11/13/09	270	1100	2/10/10	300	1200	4/28/10	320	1300	8/10/10	410	1700
			Dichloroethane[1,2-]	11/13/09	170	690	2/10/10	200	810	4/28/10	210	840	8/10/10	250	1000
			Dichloroethene[1,1-]	11/13/09	1600	6300	2/10/10	1800	7300	4/28/10	2000	7800	8/10/10	2000	8100
			Dichloropropane[1,2-]	11/13/09	390	1800	2/10/10	460	2100	4/28/10	450	2100	8/10/10	610	2800
			Ethylbenzene	11/13/09	87	380	2/10/10	ND	ND	4/28/10	ND	ND	8/10/10	ND	ND
			Ethyltoluene[4-]	11/13/09	240	1200	2/10/10	ND	ND	4/28/10	ND	ND	8/10/10	ND	ND
			Hexane	11/13/09	27	94	2/10/10	ND	ND	4/28/10	ND	ND	8/10/10	ND	ND
			Methylene chloride	11/13/09	820	2900	2/10/10	860	3000	4/28/10	1000	3600	8/10/10	1100	3900
			Styrene	11/13/09	240	1000	2/10/10	ND	ND	4/28/10	ND	ND	8/10/10	ND	ND
			Tetrachloroethene	11/13/09	560	3800	2/10/10	660	4400	4/28/10	630	4300	8/10/10	850	5800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/09	3500	27,000	2/10/10	4100	32,000	4/28/10	4800	37,000	8/10/10	5000	38,000
			Trichloroethane[1,1,1-]	11/13/09	17,000	93,000	2/10/10	20,000	110,000	4/28/10	21,000	110,000	8/10/10	26,000	140,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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 (cont.)	140	130–150	Trichloroethene	11/13/09	4700	25,000	2/10/10	6100	33,000	4/28/10	6300	34,000	8/10/10	8000	43,000
			Trichlorofluoromethane	11/13/09	690	3900	2/10/10	800	4500	4/28/10	900	5000	8/10/10	910	5100
			Trimethylbenzene[1,2,4-]	11/13/09	43	210	2/10/10	ND	ND	4/28/10	ND	ND	8/10/10	ND	ND
			Trimethylbenzene[1,3,5-]	11/13/09	60	300	2/10/10	ND	ND	4/28/10	ND	ND	8/10/10	ND	ND
	160	150–170	Benzene	11/13/09	140	460	2/10/10	140	450	4/28/10	130	420	8/10/10	160	500
			Carbon tetrachloride	11/13/09	170	1100	2/10/10	160	1000	4/28/10	140	880	8/10/10	170	1100
			Chloroform	11/13/09	1000	4900	2/10/10	1000	4900	4/28/10	1000	5000	8/10/10	1200	5700
			Cyclohexane	11/13/09	ND	ND	2/10/10	540	1800	4/28/10	ND	ND	8/10/10	ND	ND
			Dichlorodifluoromethane	11/13/09	130	650	2/10/10	130	660	4/28/10	120	600	8/10/10	120	570
			Dichloroethane[1,1-]	11/13/09	340	1400	2/10/10	340	1400	4/28/10	320	1300	8/10/10	380	1600
			Dichloroethane[1,2-]	11/13/09	230	950	2/10/10	220	910	4/28/10	240	960	8/10/10	230	940
			Dichloroethene[1,1-]	11/13/09	2400	9700	2/10/10	2300	9100	4/28/10	2100	8400	8/10/10	2200	8900
			Dichloropropane[1,2-]	11/13/09	470	2200	2/10/10	480	2200	4/28/10	440	2000	8/10/10	570	2600
			Methylene chloride	11/13/09	1600	5400	2/10/10	1400	4700	4/28/10	1500	5100	8/10/10	1500	5300
			Tetrachloroethene	11/13/09	710	4800	2/10/10	700	4700	4/28/10	660	4500	8/10/10	860	5800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/13/09	4900	38,000	2/10/10	5000	38,000	4/28/10	5500	42,000	8/10/10	5400	41,000
			Trichloroethane[1,1,1-]	11/13/09	23,000	130,000	2/10/10	22,000	120,000	4/28/10	24,000	130,000	8/10/10	25,000	140,000
			Trichloroethene	11/13/09	6800	36,000	2/10/10	6900	37,000	4/28/10	7300	39,000	8/10/10	8000	43,000
			Trichlorofluoromethane	11/13/09	1000	5600	2/10/10	960	5400	4/28/10	1100	6000	8/10/10	950	5400
54-02025	20	20	Carbon tetrachloride	11/10/09	130	810	2/2/10	160	1000	4/27/10	140	900	8/9/10	160	990
			Chloroform	11/10/09	900	4400	2/2/10	1100	5300	4/27/10	1200	5600	8/9/10	1200	6000
			Dichlorodifluoromethane	11/10/09	50	250	2/2/10	69	340	4/27/10	ND	ND	8/9/10	60	290
			Dichloroethane[1,1-]	11/10/09	520	2100	2/2/10	610	2500	4/27/10	630	2600	8/9/10	680	2800
			Dichloroethane[1,2-]	11/10/09	210	870	2/2/10	260	1000	4/27/10	260	1000	8/9/10	260	1100

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	20	20	Dichloroethene[1,1-]	11/10/09	1200	4700	2/2/10	1300	5200	4/27/10	1100	4400	8/9/10	1100	4400
			Dichloropropane[1,2-]	11/10/09	1600	7400	2/2/10	2000	9200	4/27/10	1900	8700	8/9/10	2200	10,000
			Tetrachloroethene	11/10/09	1100	7700	2/2/10	1400	9500	4/27/10	1400	9700	8/9/10	1500	10,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/09	4900	38,000	2/2/10	7000	53,000	4/27/10	9400	72,000	8/9/10	8300	64,000
			Trichloroethane[1,1,1-]	11/10/09	27,000	150,000	2/2/10	32,000	180,000	4/27/10	39,000	210,000	8/9/10	35,000	190,000
			Trichloroethane[1,1,2-]	11/10/09	ND	ND	2/2/10	ND	ND	4/27/10	ND	ND	8/9/10	53	290
			Trichloroethene	11/10/09	5400	29,000	2/2/10	7000	38,000	4/27/10	7700	41,000	8/9/10	7700	41,000
			Trichlorofluoromethane	11/10/09	500	2800	2/2/10	630	3500	4/27/10	710	4000	8/9/10	540	3000
	100	100	Benzene	11/10/09	200	640	2/2/10	240	760	4/27/10	220	720	8/9/10	240	780
			Carbon tetrachloride	11/10/09	270	1700	2/2/10	360	2200	4/27/10	270	1700	8/9/10	290	1800
			Chlorobenzene	11/10/09	86	400	2/2/10	100	460	4/27/10	ND	ND	8/9/10	96	440
			Chloroform	11/10/09	2000	9700	2/2/10	2100	10,000	4/27/10	2400	12,000	8/9/10	2300	11,000
			Dichlorodifluoromethane	11/10/09	140	680	2/2/10	ND	ND	4/27/10	ND	ND	8/9/10	130	640
			Dichloroethane[1,1-]	11/10/09	920	3700	2/2/10	920	3700	4/27/10	1000	4100	8/9/10	1000	4300
			Dichloroethane[1,2-]	11/10/09	1200	4700	2/2/10	1300	5200	4/27/10	1400	5600	8/9/10	1300	5200
			Dichloroethene[1,1-]	11/10/09	3200	13,000	2/2/10	2600	10,000	4/27/10	3000	12,000	8/9/10	3200	13,000
			Dichloropropane[1,2-]	11/10/09	2800	13,000	2/2/10	3600	17,000	4/27/10	3300	15,000	8/9/10	3500	16,000
			Methylene chloride	11/10/09	1800	6400	2/2/10	1900	6600	4/27/10	1900	6700	8/9/10	1800	6200
			Tetrachloroethene	11/10/09	2000	13000	2/2/10	2200	15,000	4/27/10	2200	15,000	8/9/10	2100	14,000
			Tetrahydrofuran	11/10/09	320	950	2/2/10	360	1100	4/27/10	280	830	8/9/10	320	950
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/09	8100	62,000	2/2/10	7000	53,000	4/27/10	11,000	81,000	8/9/10	10,000	79,000
			Trichloroethane[1,1,1-]	11/10/09	52,000	280,000	2/2/10	58,000	320,000	4/27/10	63,000	340,000	8/9/10	59,000	320,000
			Trichloroethene	11/10/09	12,000	65,000	2/2/10	14,000	78,000	4/27/10	16,000	84,000	8/9/10	15,000	79,000
			Trichlorofluoromethane	11/10/09	1500	8400	2/2/10	1400	8100	4/27/10	1700	9800	8/9/10	1300	7100
			Xylene[1,2-]	11/10/09	140	630	2/2/10	170	730	4/27/10	ND	ND	8/9/10	120	540

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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	11/10/09	300	960	2/2/10	370	1200	4/27/10	300	950	8/9/10	410	1300
			Carbon tetrachloride	11/10/09	320	2000	2/2/10	390	2500	4/27/10	300	1900	8/9/10	380	2400
			Chlorobenzene	11/10/09	84	380	2/2/10	99	460	4/27/10	ND	ND	8/9/10	110	500
			Chloroform	11/10/09	2100	10,000	2/2/10	2600	13,000	4/27/10	2400	12,000	8/9/10	2700	13,000
			Dichlorodifluoromethane	11/10/09	180	900	2/2/10	220	1100	4/27/10	ND	ND	8/9/10	170	850
			Dichloroethane[1,1-]	11/10/09	860	3500	2/2/10	990	4000	4/27/10	900	3600	8/9/10	1000	4200
			Dichloroethane[1,2-]	11/10/09	1000	4200	2/2/10	1200	5100	4/27/10	1100	4500	8/9/10	1300	5200
			Dichloroethene[1,1-]	11/10/09	4200	17,000	2/2/10	4700	19,000	4/27/10	4000	16,000	8/9/10	4700	19,000
			Dichloropropane[1,2-]	11/10/09	2400	11,000	2/2/10	3000	14,000	4/27/10	2600	12,000	8/9/10	3100	14,000
			Ethanol	11/10/09	ND	ND	2/2/10	ND	ND	4/27/10	ND	ND	8/9/10	440	840
			Hexane	11/10/09	84	300	2/2/10	88	310	4/27/10	ND	ND	8/9/10	79	280
			Methylene chloride	11/10/09	4400	15,000	2/2/10	4600	16,000	4/27/10	4400	15,000	8/9/10	5500	19,000
			Tetrachloroethene	11/10/09	1800	12,000	2/2/10	2200	15,000	4/27/10	1900	13,000	8/9/10	2200	15,000
			Toluene	11/10/09	420	1600	2/2/10	540	2000	4/27/10	380	1400	8/9/10	570	2100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/09	9200	71,000	2/2/10	11,000	84,000	4/27/10	12,000	91,000	8/9/10	12,000	94,000
			Trichloroethane[1,1,1-]	11/10/09	51,000	280,000	2/2/10	58,000	320,000	4/27/10	58,000	320,000	8/9/10	61,000	340,000
			Trichloroethene	11/10/09	13,000	71,000	2/2/10	17,000	91,000	4/27/10	16,000	84,000	8/9/10	18,000	95,000
			Trichlorofluoromethane	11/10/09	1700	9800	2/2/10	2000	11,000	4/27/10	2000	11,000	8/9/10	2000	12,000
			Xylene[1,2-]	11/10/09	160	700	2/2/10	170	750	4/27/10	ND	ND	8/9/10	180	780
			Xylene[1,3-]+ xylene[1,4-]	11/10/09	ND	ND	2/2/10	69	300	4/27/10	ND	ND	8/9/10	75	320
54-02026	20	20	Carbon tetrachloride	11/12/09	ND	ND	2/5/10	5.5	35	4/29/10	5.2	33	8/10/10	ND	ND
			Chloroform	11/12/09	40	190	2/5/10	46	220	4/29/10	43	210	8/10/10	51	250
			Dichlorodifluoromethane	11/12/09	ND	ND	2/5/10	8.6	42	4/29/10	7.9	39	8/10/10	ND	ND
			Dichloroethane[1,1-]	11/12/09	9.3	38	2/5/10	11	44	4/29/10	9.4	38	8/10/10	12	47
			Dichloroethene[1,1-]	11/12/09	65	260	2/5/10	68	270	4/29/10	69	270	8/10/10	76	300

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	20	20	Dichloropropane[1,2-]	11/12/09	ND	ND	2/5/10	9.1	42	4/29/10	6.4	30	8/10/10	8.7 (J)	40 (J)
			Tetrachloroethene	11/12/09	31	210	2/5/10	32	220	4/29/10	29	200	8/10/10	37	250
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/09	210	1600	2/5/10	220	1700	4/29/10	240	1900	8/10/10	260	2000
			Trichloroethane[1,1,1-]	11/12/09	900	4900	2/5/10	1000	5800	4/29/10	1000	5700	8/10/10	1100	6100
			Trichloroethene	11/12/09	240	1300	2/5/10	290	1500	4/29/10	280	1500	8/10/10	310	1700
			Trichlorofluoromethane	11/12/09	36	200	2/5/10	50	280	4/29/10	46	260	8/10/10	46	260
	100	100	Carbon tetrachloride	11/12/09	16	99	2/5/10	22	140	4/29/10	14	86	8/10/10	17	110
			Chloroform	11/12/09	90	440	2/5/10	130	640	4/29/10	92	450	8/10/10	110	530
			Dichlorodifluoromethane	11/12/09	20	97	2/5/10	26	130	4/29/10	20	99	8/10/10	21	100
			Dichloroethane[1,1-]	11/12/09	22	89	2/5/10	30	120	4/29/10	20	81	8/10/10	26	100
			Dichloroethene[1,1-]	11/12/09	200	790	2/5/10	220	870	4/29/10	190	750	8/10/10	230	900
			Dichloropropane[1,2-]	11/12/09	14	63	2/5/10	23	110	4/29/10	12	58	8/10/10	17	79
			Methylene chloride	11/12/09	9.5	33	2/5/10	12	42	4/29/10	8.9	31	8/10/10	10	36
			Tetrachloroethene	11/12/09	68	460	2/5/10	87	590	4/29/10	61	410	8/10/10	79	540
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/09	550	4200	2/5/10	680	5200	4/29/10	590	4500	8/10/10	660	5000
			Trichloroethane[1,1,1-]	11/12/09	2000	11,000	2/5/10	3200	17,000	4/29/10	2100	12,000	8/10/10	2,400	13,000
			Trichloroethene	11/12/09	570	3000	2/5/10	860	4600	4/29/10	620	3300	8/10/10	700	3800
			Trichlorofluoromethane	11/12/09	95	540	2/5/10	150	860	4/29/10	100	590	8/10/10	110	630
			Carbon tetrachloride	11/12/09	25	160	2/5/10	36	230	4/29/10	24	150	8/10/10	27	170
			Chloroform	11/12/09	100	490	2/5/10	150	720	4/29/10	110	530	8/10/10	120	570
			Dichlorodifluoromethane	11/12/09	32	160	2/5/10	45	220	4/29/10	34	160	8/10/10	35	170
			Dichloroethane[1,1-]	11/12/09	23	95	2/5/10	35	140	4/29/10	24	95	8/10/10	28	110
			Dichloroethene[1,1-]	11/12/09	310	1200	2/5/10	360	1400	4/29/10	320	1300	8/10/10	350	1400
			Dichloropropane[1,2-]	11/12/09	ND	ND	2/5/10	15	71	4/29/10	8.3	38	8/10/10	12	56
			Methylene chloride	11/12/09	51	180	2/5/10	76	260	4/29/10	52	180	8/10/10	60	210

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	100	100	Tetrachloroethene	11/12/09	87	590	2/5/10	110	760	4/29/10	80	540	8/10/10	97	660
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/09	780	6000	2/5/10	1000	7700	4/29/10	880	6800	8/10/10	940	7200
			Trichloroethane[1,1,1-]	11/12/09	2500	14,000	2/5/10	4000	22,000	4/29/10	2700	15,000	8/10/10	2900	16,000
			Trichloroethene	11/12/09	720	3900	2/5/10	1200	6200	4/29/10	800	4300	8/10/10	890	4800
			Trichlorofluoromethane	11/12/09	130	750	2/5/10	220	1200	4/29/10	150	850	8/10/10	150	860
54-02027	20	20	Carbon tetrachloride	11/10/09	8.6	54	2/4/10	13	84	4/27/10	ND	ND	8/11/10	10	63
			Chloroform	11/10/09	170	840	2/4/10	210	1000	4/27/10	170	830	8/11/10	220	1100
			Dichlorodifluoromethane	11/10/09	18	88	2/4/10	23	110	4/27/10	16	77	8/11/10	18	86
			Dichloroethane[1,1-]	11/10/09	48	190	2/4/10	56	230	4/27/10	43	180	8/11/10	60	240
			Dichloroethene[1,1-]	11/10/09	240	950	2/4/10	300	1200	4/27/10	220	890	8/11/10	280	1100
			Dichloropropane[1,2-]	11/10/09	78	360	2/4/10	88	410	4/27/10	64	300	8/11/10	97	450
			Tetrachloroethene	11/10/09	130	870	2/4/10	140	980	4/27/10	110	730	8/11/10	160	1100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/09	660	5100	2/4/10	870	6700	4/27/10	750	5700	8/11/10	860	6600
			Trichloroethane[1,1,1-]	11/10/09	3600	20,000	2/4/10	4400	24,000	4/27/10	3600	20,000	8/11/10	4500	25,000
			Trichloroethene	11/10/09	880	4700	2/4/10	1100	6000	4/27/10	920	5000	8/11/10	1200	6200
			Trichlorofluoromethane	11/10/09	130	730	2/4/10	170	940	4/27/10	140	790	8/11/10	160	880
			Benzene	11/10/09	29	93	2/4/10	25	79	4/27/10	ND	ND	8/11/10	36	110
			Carbon tetrachloride	11/10/09	50	310	2/4/10	41	260	4/27/10	ND	ND	8/11/10	52	330
			Chloroform	11/10/09	500	2400	2/4/10	400	1900	4/27/10	460	2200	8/11/10	600	2900
			Dichlorodifluoromethane	11/10/09	58	290	2/4/10	49	240	4/27/10	49	240	8/11/10	57	280
			Dichloroethane[1,1-]	11/10/09	140	550	2/4/10	100	420	4/27/10	110	450	8/11/10	160	640
			Dichloroethane[1,2-]	11/10/09	49	200	2/4/10	39	160	4/27/10	43	180	8/11/10	56	230
			Dichloroethene[1,1-]	11/10/09	870	3400	2/4/10	670	2600	4/27/10	680	2700	8/11/10	930	3700
			Dichloropropane[1,2-]	11/10/09	220	1000	2/4/10	180	840	4/27/10	190	880	8/11/10	270	1300
			Methylene chloride	11/10/09	170	590	2/4/10	120	430	4/27/10	150	520	8/11/10	180	630

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	20	20	Tetrachloroethene	11/10/09	350	2400	2/4/10	270	1800	4/27/10	290	2000	8/11/10	420	2800
			Toluene	11/10/09	ND	ND	2/4/10	12	45	4/27/10	ND	ND	8/11/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/09	2200	17,000	2/4/10	1800	14,000	4/27/10	2200	17,000	8/11/10	2700	21,000
			Trichloroethane[1,1,1-]	11/10/09	10,000	58,000	2/4/10	7900	43,000	4/27/10	9600	52,000	8/11/10	12,000	67,000
			Trichloroethene	11/10/09	2600	14,000	2/4/10	2200	12,000	4/27/10	2600	14,000	8/11/10	3400	18,000
			Trichlorofluoromethane	11/10/09	410	2300	2/4/10	320	1800	4/27/10	390	2200	8/11/10	480	2700
	200	200	Acetone	11/10/09	ND	ND	2/4/10	110	260	4/27/10	ND	ND	8/11/10	ND	ND
			Benzene	11/10/09	67	210	2/4/10	100	320	4/27/10	53	170	8/11/10	88	280
			Carbon tetrachloride	11/10/09	78	490	2/4/10	110	710	4/27/10	53	340	8/11/10	96	600
			Chloroform	11/10/09	380	1800	2/4/10	570	2800	4/27/10	320	1600	8/11/10	490	2400
			Dichlorodifluoromethane	11/10/09	84	420	2/4/10	120	610	4/27/10	66	320	8/11/10	120	570
			Dichloroethane[1,1-]	11/10/09	88	360	2/4/10	130	520	4/27/10	66	270	8/11/10	120	480
			Dichloroethane[1,2-]	11/10/09	22	89	2/4/10	33	130	4/27/10	ND	ND	8/11/10	28	110
			Dichloroethene[1,1-]	11/10/09	1200	4900	2/4/10	1700	6800	4/27/10	960	3800	8/11/10	1500	6000
			Dichloropropane[1,2-]	11/10/09	70	320	2/4/10	110	500	4/27/10	54	250	8/11/10	100	490
			Methylene chloride	11/10/09	630	2200	2/4/10	830	2900	4/27/10	520	1800	8/11/10	870	3000
			Tetrachloroethene	11/10/09	290	2000	2/4/10	410	2800	4/27/10	210	1400	8/11/10	390	2600
			Toluene	11/10/09	150	560	2/4/10	220	840	4/27/10	110	420	8/11/10	210	780
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/09	2400	19,000	2/4/10	3600	28,000	4/27/10	2100	16,000	8/11/10	3400	26,000
			Trichloroethane[1,1,1-]	11/10/09	8300	45,000	2/4/10	11,000	63,000	4/27/10	6500	36,000	8/11/10	10,000	56,000
			Trichloroethene	11/10/09	2400	13,000	2/4/10	3600	19,000	4/27/10	2000	11,000	8/11/10	3200	17,000
			Trichlorofluoromethane	11/10/09	420	2400	2/4/10	600	3400	4/27/10	360	2000	8/11/10	530	3000
54-02028	20	20	Carbon tetrachloride	11/16/09	8.6	54	2/10/10	7.7	49	4/27/10	7.2	45	8/12/10	ND	ND
			Chloroform	11/16/09	65	320	2/10/10	70	340	4/27/10	62	300	8/12/10	65	320
			Cyclohexane	11/16/09	ND	ND	2/10/10	46	160	4/27/10	ND	ND	8/12/10	ND	ND

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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 (cont.)	20	20	Dichlorodifluoromethane	11/16/09	9.2	46	2/10/10	10	49	4/27/10	7.9	39	8/12/10	9	44
			Dichloroethane[1,1-]	11/16/09	24	99	2/10/10	25	100	4/27/10	21	85	8/12/10	23	94
			Dichloroethene[1,1-]	11/16/09	120	460	2/10/10	120	460	4/27/10	99	390	8/12/10	110	430
			Dichloropropane[1,2-]	11/16/09	22	100	2/10/10	21	97	4/27/10	20	95	8/12/10	26	120
			Tetrachloroethene	11/16/09	56	380	2/10/10	48	330	4/27/10	49	330	8/12/10	64	440
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/16/09	340	2600	2/10/10	370	2800	4/27/10	350	2700	8/12/10	350	2700
			Trichloroethane[1,1,1-]	11/16/09	1800	9600	2/10/10	2000	11,000	4/27/10	1800	9700	8/12/10	1700	9400
			Trichloroethene	11/16/09	470	2500	2/10/10	490	2600	4/27/10	490	2600	8/12/10	530	2800
			Trichlorofluoromethane	11/16/09	61	340	2/10/10	70	390	4/27/10	62	340	8/12/10	57	320
	100	100	Carbon tetrachloride	11/16/09	17	100	2/10/10	15	97	4/27/10	12	77	8/12/10	15	94
			Chloroform	11/16/09	110	540	2/10/10	100	510	4/27/10	100	480	8/12/10	100	510
			Cyclohexane	11/16/09	ND	ND	2/10/10	60	200	4/27/10	ND	ND	8/12/10	ND	ND
			Dichlorodifluoromethane	11/16/09	22	110	2/10/10	22	110	4/27/10	18	91	8/12/10	19	95
			Dichloroethane[1,1-]	11/16/09	37	150	2/10/10	34	140	4/27/10	30	120	8/12/10	35	140
			Dichloroethene[1,1-]	11/16/09	250	1000	2/10/10	240	930	4/27/10	210	820	8/12/10	230	920
			Dichloropropane[1,2-]	11/16/09	26	120	2/10/10	25	120	4/27/10	21	99	8/12/10	26	120
			Methylene chloride	11/16/09	27	94	2/10/10	24	85	4/27/10	24	84	8/12/10	29	100
			Tetrachloroethene	11/16/09	80	540	2/10/10	74	500	4/27/10	64	430	8/12/10	82	560
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/16/09	630	4800	2/10/10	610	4700	4/27/10	620	4700	8/12/10	660	5000
			Trichloroethane[1,1,1-]	11/16/09	2800	15,000	2/10/10	2600	14,000	4/27/10	2600	14,000	8/12/10	2600	14,000
			Trichloroethene	11/16/09	810	4300	2/10/10	800	4300	4/27/10	780	4200	8/12/10	850	4600
			Trichlorofluoromethane	11/16/09	120	680	2/10/10	110	630	4/27/10	110	640	8/12/10	110	640
	160	160	Carbon tetrachloride	11/16/09	22	140	2/10/10	26	160	4/27/10	22	140	8/12/10	23	150
			Chloroform	11/16/09	96	470	2/10/10	110	540	4/27/10	110	530	8/12/10	110	520
			Cyclohexane	11/16/09	ND	ND	2/10/10	71	240	4/27/10	ND	ND	8/12/10	ND	ND

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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 (cont.)	160	160	Dichlorodifluoromethane	11/16/09	32	160	2/10/10	37	180	4/27/10	33	160	8/12/10	31	150
			Dichloroethane[1,1-]	11/16/09	29	120	2/10/10	34	140	4/27/10	29	120	8/12/10	33	130
			Dichloroethene[1,1-]	11/16/09	320	1200	2/10/10	360	1400	4/27/10	320	1300	8/12/10	350	1400
			Dichloropropane[1,2-]	11/16/09	11	51	2/10/10	13	60	4/27/10	11	52	8/12/10	14	63
			Methylene chloride	11/16/09	66	230	2/10/10	70	240	4/27/10	69	240	8/12/10	79	280
			Tetrachloroethene	11/16/09	74	500	2/10/10	83	560	4/27/10	74	500	8/12/10	84	570
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/16/09	760	5800	2/10/10	880	6700	4/27/10	880	6800	8/12/10	900	6900
			Trichloroethane[1,1,1-]	11/16/09	2600	14,000	2/10/10	2900	16,000	4/27/10	2900	16,000	8/12/10	2900	16,000
			Trichloroethene	11/16/09	820	4400	2/10/10	980	5300	4/27/10	950	5100	8/12/10	970	5200
			Trichlorofluoromethane	11/16/09	140	760	2/10/10	150	860	4/27/10	160	890	8/12/10	150	830
54-02031	20	20	Carbon tetrachloride	10/29/09	26	160	1/27/10	24	150	4/2/10	39	240	7/28/10	30	190
			Chloroform	10/29/09	88	430	1/27/10	90	440	4/2/10	150	750	7/28/10	140	690
			Dichlorodifluoromethane	10/29/09	40	200	1/27/10	39	190	4/2/10	71	350	7/28/10	62	310
			Dichloroethane[1,1-]	10/29/09	190	750	1/27/10	190	760	4/2/10	310	1300	7/28/10	300	1200
			Dichloroethane[1,2-]	10/29/09	37	150	1/27/10	43	170	4/2/10	72	290	7/28/10	58	240
			Dichloroethene[1,1-]	10/29/09	490	2000	1/27/10	490	1900	4/2/10	810	3200	7/28/10	760	3000
			Dichloropropane[1,2-]	10/29/09	16	76	1/27/10	18	81	4/2/10	28	130	7/28/10	26	120
			Tetrachloroethene	10/29/09	350	2400	1/27/10	320	2200	4/2/10	580	4000	7/28/10	530	3600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/29/09	420	3200	1/27/10	380	2900	4/2/10	740	5700	7/28/10	650	5000
			Trichloroethane[1,1,1-]	10/29/09	7500	41,000	1/27/10	7000	38,000	4/2/10	13,000	72,000	7/28/10	12,000	63,000
			Trichloroethene	10/29/09	1800	9700	1/27/10	1800	9600	4/2/10	3100	17,000	7/28/10	2900	16,000
			Trichlorofluoromethane	10/29/09	73	410	1/27/10	68	380	4/2/10	140	770	7/28/10	100	570
	100	100	Carbon tetrachloride	10/29/09	110	710	1/27/10	110	710	4/2/10	120	740	7/28/10	72	460
			Chloroform	10/29/09	290	1400	1/27/10	300	1500	4/2/10	340	1700	7/28/10	230	1100
			Dichlorodifluoromethane	10/29/09	150	750	1/27/10	160	790	4/2/10	170	850	7/28/10	100	520

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	100	100	Dichloroethane[1,1-]	10/29/09	680	2700	1/27/10	720	2900	4/2/10	750	3000	7/28/10	510	2000
			Dichloroethane[1,2-]	10/29/09	320	1300	1/27/10	350	1400	4/2/10	400	1600	7/28/10	280	1100
			Dichloroethene[1,1-]	10/29/09	1800	7200	1/27/10	2000	7900	4/2/10	2000	7700	7/28/10	1400	5400
			Dichloropropane[1,2-]	10/29/09	72	340	1/27/10	81	380	4/2/10	85	390	7/28/10	67	310
			Methylene chloride	10/29/09	280	960	1/27/10	240	850	4/2/10	290	1000	7/28/10	200	690
			Tetrachloroethene	10/29/09	1200	7800	1/27/10	1100	7800	4/2/10	1400	9700	7/28/10	820	5600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/29/09	1800	14,000	1/27/10	1900	14,000	4/2/10	2100	16,000	7/28/10	1400	11,000
			Trichloroethane[1,1,1-]	10/29/09	28,000	150,000	1/27/10	28,000	150,000	4/2/10	33,000	180,000	7/28/10	22,000	120,000
			Trichloroethene	10/29/09	6900	37,000	1/27/10	7200	39,000	4/2/10	8000	43,000	7/28/10	5100	28,000
			Trichlorofluoromethane	10/29/09	300	1700	1/27/10	300	1700	4/2/10	350	2000	7/28/10	230	1300
	160	160	Carbon tetrachloride	10/29/09	140	860	1/27/10	120	770	4/2/10	140	870	7/28/10	100	660
			Chloroform	10/29/09	290	1400	1/27/10	260	1300	4/2/10	340	1600	7/28/10	270	1300
			Dichlorodifluoromethane	10/29/09	200	990	1/27/10	170	860	4/2/10	240	1200	7/28/10	210	1000
			Dichloroethane[1,1-]	10/29/09	610	2500	1/27/10	580	2300	4/2/10	690	2800	7/28/10	580	2300
			Dichloroethane[1,2-]	10/29/09	220	880	1/27/10	230	920	4/2/10	280	1100	7/28/10	240	970
			Dichloroethene[1,1-]	10/29/09	2300	9100	1/27/10	2000	8100	4/2/10	2400	9500	7/28/10	2000	7800
			Dichloropropane[1,2-]	10/29/09	52	240	1/27/10	56	260	4/2/10	61	280	7/28/10	66	300
			Methylene chloride	10/29/09	450	1600	1/27/10	350	1200	4/2/10	490	1700	7/28/10	430	1500
			Tetrachloroethene	10/29/09	1200	8000	1/27/10	1000	7100	4/2/10	1500	10,000	7/28/10	1200	8200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/29/09	2500	19,000	1/27/10	2100	16,000	4/2/10	2800	21,000	7/28/10	2200	17,000
			Trichloroethane[1,1,1-]	10/29/09	28,000	160,000	1/27/10	26,000	140,000	4/2/10	35,000	190,000	7/28/10	26,000	140,000
			Trichloroethene	10/29/09	7500	40,000	1/27/10	6900	37,000	4/2/10	8700	47,000	7/28/10	7400	40,000
	260	260	Trichlorofluoromethane	10/29/09	390	2200	1/27/10	330	1900	4/2/10	460	2600	7/28/10	360	2000
			Benzene	10/29/09	18	59	1/27/10	20	65	4/2/10	ND	ND	7/28/10	20	65
			Carbon tetrachloride	10/29/09	97	610	1/27/10	110	710	4/2/10	100	650	7/28/10	96	600

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	260	260	Chloroform	10/29/09	140	690	1/27/10	170	830	4/2/10	160	790	7/28/10	150	720
			Dichlorodifluoromethane	10/29/09	170	840	1/27/10	200	970	4/2/10	180	890	7/28/10	160	810
			Dichloroethane[1,1-]	10/29/09	270	1100	1/27/10	330	1300	4/2/10	290	1200	7/28/10	300	1200
			Dichloroethane[1,2-]	10/29/09	47	190	1/27/10	66	270	4/2/10	56	220	7/28/10	66	270
			Dichloroethene[1,1-]	10/29/09	1800	7300	1/27/10	2100	8400	4/2/10	1900	7600	7/28/10	2000	7900
			Dichloropropane[1,2-]	10/29/09	ND	ND	1/27/10	19	90	4/2/10	ND	ND	7/28/10	22	100
			Methylene chloride	10/29/09	230	810	1/27/10	250	870	4/2/10	240	850	7/28/10	280	970
			Tetrachloroethene	10/29/09	720	4800	1/27/10	820	5600	4/2/10	830	5600	7/28/10	840	5700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/29/09	2,000	15,000	1/27/10	2200	17,000	4/2/10	2200	17,000	7/28/10	2000	16,000
			Trichloroethane[1,1,1-]	10/29/09	15,000	84,000	1/27/10	17,000	95,000	4/2/10	18,000	96,000	7/28/10	15,000	82,000
			Trichloroethene	10/29/09	4400	24,000	1/27/10	5200	28,000	4/2/10	5000	27,000	7/28/10	4900	26,000
			Trichlorofluoromethane	10/29/09	310	1800	1/27/10	350	2000	4/2/10	360	2000	7/28/10	360	2000
54-02034	20	20	Carbon disulfide	10/27/09	ND	ND	1/29/10	ND	ND	4/2/10	ND	ND	8/2/10	17	54
			Carbon tetrachloride	10/27/09	ND	ND	1/29/10	ND	ND	4/2/10	15	94	8/2/10	ND	ND
			Chloroform	10/27/09	24	120	1/29/10	26	120	4/2/10	13	62	8/2/10	26	120
			Dichlorodifluoromethane	10/27/09	29	140	1/29/10	ND	ND	4/2/10	85	420	8/2/10	31	160
			Dichloroethane[1,1-]	10/27/09	88	360	1/29/10	88	360	4/2/10	70	280	8/2/10	93	380
			Dichloroethene[1,1-]	10/27/09	220	870	1/29/10	220	880	4/2/10	580	2300	8/2/10	220	880
			Methylene chloride	10/27/09	ND	ND	1/29/10	ND	ND	4/2/10	35	120	8/2/10	ND	ND
			Tetrachloroethene	10/27/09	86	580	1/29/10	85	580	4/2/10	66	450	8/2/10	98	660
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/27/09	72	550	1/29/10	73	560	4/2/10	200	1500	8/2/10	82	630
			Trichloroethane[1,1,1-]	10/27/09	6000	32,000	1/29/10	6100	33,000	4/2/10	5500	30,000	8/2/10	6600	36,000
			Trichloroethene	10/27/09	910	4900	1/29/10	940	5000	4/2/10	990	5300	8/2/10	990	5300
			Trichlorofluoromethane	10/27/09	27	150	1/29/10	29	160	4/2/10	96	540	8/2/10	30	170

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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	Chloroform	10/27/09	31	150	1/29/10	33	160	4/2/10	38	190	8/2/10	42	200
			Dichlorodifluoromethane	10/27/09	42	210	1/29/10	44	220	4/2/10	48	240	8/2/10	44	220
			Dichloroethane[1,1-]	10/27/09	150	610	1/29/10	140	570	4/2/10	170	680	8/2/10	160	650
			Dichloroethane[1,2-]	10/27/09	49	200	1/29/10	47	190	4/2/10	57	230	8/2/10	51	210
			Dichloroethene[1,1-]	10/27/09	340	1300	1/29/10	320	1300	4/2/10	330	1300	8/2/10	330	1300
			Dichloropropane[1,2-]	10/27/09	10	48	1/29/10	9.9	46	4/2/10	11	51	8/2/10	ND	ND
			Methylene chloride	10/27/09	21	74	1/29/10	18	61	4/2/10	21	74	8/2/10	19	66
			Tetrachloroethene	10/27/09	110	750	1/29/10	100	680	4/2/10	130	870	8/2/10	130	880
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/27/09	100	790	1/29/10	95	730	4/2/10	120	880	8/2/10	110	880
			Trichloroethane[1,1,1-]	10/27/09	8200	44,000	1/29/10	8000	43,000	4/2/10	9600	52,000	8/2/10	9200	50,000
			Trichloroethene	10/27/09	1400	7700	1/29/10	1400	7400	4/2/10	1600	8600	8/2/10	1600	8,400
			Trichlorofluoromethane	10/27/09	39	220	1/29/10	38	210	4/2/10	47	260	8/2/10	43	240
	160	160	Acetone	10/27/09	ND	ND	1/29/10	ND	ND	4/2/10	ND	ND	8/2/10	40	96
			Carbon tetrachloride	10/27/09	13	84	1/29/10	8.5	53	4/2/10	14	85	8/2/10	13	81
			Chloroform	10/27/09	20	96	1/29/10	14	69	4/2/10	26	130	8/2/10	25	120
			Dichlorodifluoromethane	10/27/09	67	330	1/29/10	49	240	4/2/10	87	430	8/2/10	81	400
			Dichloroethane[1,1-]	10/27/09	100	410	1/29/10	71	290	4/2/10	130	530	8/2/10	130	530
			Dichloroethane[1,2-]	10/27/09	ND	ND	1/29/10	8.5	34	4/2/10	16	64	8/2/10	15	62
			Dichloroethene[1,1-]	10/27/09	480	1900	1/29/10	350	1400	4/2/10	610	2400	8/2/10	620	2400
			Methylene chloride	10/27/09	44	150	1/29/10	30	100	4/2/10	56	200	8/2/10	56	200
			Tetrachloroethene	10/27/09	76	520	1/29/10	52	350	4/2/10	99	670	8/2/10	100	720
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/27/09	150	1200	1/29/10	110	820	4/2/10	200	1500	8/2/10	190	1500
			Trichloroethane[1,1,1-]	10/27/09	6300	34,000	1/29/10	4600	25,000	4/2/10	8600	47,000	8/2/10	8300	45,000
			Trichloroethene	10/27/09	1200	6400	1/29/10	880	4700	4/2/10	1600	8600	8/2/10	1600	8600
			Trichlorofluoromethane	10/27/09	67	380	1/29/10	50	280	4/2/10	95	530	8/2/10	87	490

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	260	260	Carbon tetrachloride	10/27/09	4	25	1/29/10	ND	ND	4/2/10	6.8	43	8/2/10	ND	ND
			Cyclohexane	10/27/09	ND	ND	1/29/10	ND	ND	4/2/10	ND	ND	8/2/10	33	110
			Dichlorodifluoromethane	10/27/09	27	130	1/29/10	ND	ND	4/2/10	51	250	8/2/10	41	200
			Dichloroethane[1,1-]	10/27/09	3.6	15	1/29/10	ND	ND	4/2/10	5.6	23	8/2/10	ND	ND
			Dichloroethene[1,1-]	10/27/09	91 (J)	360 (J)	1/29/10	ND	ND	4/2/10	230	910	8/2/10	210	830
			Tetrachloroethene	10/27/09	7	48	1/29/10	ND	ND	4/2/10	11	76	8/2/10	11	75
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/27/09	43 (J)	330 (J)	1/29/10	ND	ND	4/2/10	100	780	8/2/10	91	700
			Trichloroethane[1,1,1-]	10/27/09	600	3300	1/29/10	2.3	12	4/2/10	970	5300	8/2/10	960	5200
			Trichloroethene	10/27/09	49	260	1/29/10	ND	ND	4/2/10	86	460	8/2/10	91	490
			Trichlorofluoromethane	10/27/09	42	230	1/29/10	ND	ND	4/2/10	68	380	8/2/10	61	340
	300	300	Acetone	10/27/09	ND	ND	1/29/10	ND	ND	4/2/10	4.4	10	8/2/10	ND	ND
			Carbon tetrachloride	10/27/09	1	6.3	1/29/10	0.98	6.1	4/2/10	1.1	6.7	8/2/10	ND	ND
			Cyclohexane	10/27/09	ND	ND	1/29/10	3.7	13	4/2/10	ND	ND	8/2/10	ND	ND
			Dichlorodifluoromethane	10/27/09	7.7	38	1/29/10	7.6	38	4/2/10	9.7	48	8/2/10	9.9	49
			Dichloroethene[1,1-]	10/27/09	19 (J)	75 (J)	1/29/10	22	90	4/2/10	30	120	8/2/10	38	150
			Tetrachloroethene	10/27/09	1	7.1	1/29/10	1.2	8.3	4/2/10	1.2	8	8/2/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	10/27/09	12 (J)	91 (J)	1/29/10	14	110	4/2/10	18	140	8/2/10	22	160
			Trichloroethane[1,1,1-]	10/27/09	70	380	1/29/10	66	360	4/2/10	74	400	8/2/10	93	510
			Trichloroethene	10/27/09	2.8	15	1/29/10	3.7	20	4/2/10	ND	ND	8/2/10	ND	ND
			Trichlorofluoromethane	10/27/09	14	81	1/29/10	16	88	4/2/10	15	87	8/2/10	18	100
54-02089	31	31	Carbon tetrachloride	11/3/09	1400	8700	1/26/10	2100	13,000	4/20/10	1400	9100	7/29/10	1300	8500
			Chloroform	11/3/09	5900	29,000	1/26/10	9200	45,000	4/20/10	7900	39,000	7/29/10	7300	35,000
			Dichlorodifluoromethane	11/3/09	560	2800	1/26/10	920	4500	4/20/10	9200	45,000	7/29/10	4300	21,000
			Dichloroethane[1,1-]	11/3/09	13,000	53,000	1/26/10	20,000	81,000	4/20/10	17,000	69,000	7/29/10	16,000	65,000
			Dichloroethane[1,2-]	11/3/09	100,000	410,000	1/26/10	170,000	680,000	4/20/10	150,000	600,000	7/29/10	140,000	560,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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 (cont.)	31	31	Dichloroethene[1,1-]	11/3/09	12,000	49,000	1/26/10	19,000	76,000	4/20/10	9000	36,000	7/29/10	11,000	42,000
			Dichloropropane[1,2-]	11/3/09	33,000	150,000	1/26/10	52,000	240,000	4/20/10	40,000	180,000	7/29/10	40,000	180,000
			Hexane	11/3/09	450	1600	1/26/10	ND	ND	4/20/10	ND	ND	7/29/10	ND	ND
			Tetrachloroethene	11/3/09	7400	50,000	1/26/10	13,000	89,000	4/20/10	7500	51,000	7/29/10	7600	52,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/3/09	83,000	640,000	1/26/10	130,000	980,000	4/20/10	98,000	750,000	7/29/10	100,000	810,000
			Trichloroethane[1,1,1-]	11/3/09	330,000	1,800,000	1/26/10	490,000	2,700,000	4/20/10	460,000	2,500,000	7/29/10	390,000	2,100,000
			Trichloroethene	11/3/09	120,000	620,000	1/26/10	180,000	1,000,000	4/20/10	150,000	790,000	7/29/10	140,000	740,000
			Trichlorofluoromethane	11/3/09	2700	15,000	1/26/10	4000	22,000	4/20/10	2900	16,000	7/29/10	2900	16,000
	46	46	Carbon tetrachloride	11/3/09	1600	10,000	1/26/10	3000	19,000	4/20/10	1300	8500	7/29/10	1900	12,000
			Chloroform	11/3/09	6500	32,000	1/26/10	13,000	62,000	4/20/10	7100	35,000	7/29/10	9300	46,000
			Dichlorodifluoromethane	11/3/09	ND	ND	1/26/10	1300	6300	4/20/10	5900	29,000	7/29/10	3800	19,000
			Dichloroethane[1,1-]	11/3/09	12,000	50,000	1/26/10	23,000	94,000	4/20/10	14,000	55,000	7/29/10	18,000	71,000
			Dichloroethane[1,2-]	11/3/09	46,000	190,000	1/26/10	100,000	420,000	4/20/10	60,000	240,000	7/29/10	86,000	350,000
			Dichloroethene[1,1-]	11/3/09	13,000	53,000	1/26/10	24,000	97,000	4/20/10	7700	31,000	7/29/10	12,000	48,000
			Dichloropropane[1,2-]	11/3/09	41,000	190,000	1/26/10	87,000	400,000	4/20/10	43,000	200,000	7/29/10	60,000	280,000
			Hexane	11/3/09	ND	ND	1/26/10	980	3400	4/20/10	ND	ND	7/29/10	ND	ND
			Tetrachloroethene	11/3/09	7700	52,000	1/26/10	16,000	110,000	4/20/10	6300	43,000	7/29/10	10,000	70,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/3/09	92,000	700,000	1/26/10	170,000	1,300,000	4/20/10	100,000	770,000	7/29/10	130,000	970,000
			Trichloroethane[1,1,1-]	11/3/09	380,000	2,100,000	1/26/10	720,000	3,900,000	4/20/10	440,000	2,400,000	7/29/10	560,000	3,000,000
			Trichloroethene	11/3/09	110,000	610,000	1/26/10	220,000	1,200,000	4/20/10	110,000	600,000	7/29/10	160,000	840,000
			Trichlorofluoromethane	11/3/09	2600	15,000	1/26/10	4500	25,000	4/20/10	2600	14,000	7/29/10	3200	18,000
54-24238	64	63–65	Benzene	11/3/09	ND	ND	1/26/10	ND	ND	5/4/10	ND	ND	7/27/10	600	1900
			Carbon tetrachloride	11/3/09	1200	7900	1/26/10	1600	10,000	5/4/10	ND	ND	7/27/10	1200	7700
			Chloroform	11/3/09	8800	43,000	1/26/10	10,000	49,000	5/4/10	9200	45,000	7/27/10	11,000	53,000
			Dichlorodifluoromethane	11/3/09	880	4400	1/26/10	1000	4900	5/4/10	3600	18,000	7/27/10	2800	14,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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	Dichloroethane[1,1-]	11/3/09	11,000	46,000	1/26/10	12,000	50,000	5/4/10	12,000	47,000	7/27/10	13,000	53,000
			Dichloroethane[1,2-]	11/3/09	88,000	360,000	1/26/10	47,000	190,000	5/4/10	84,000	340,000	7/27/10	82,000	330,000
			Dichloroethene[1,1-]	11/3/09	17,000	68,000	1/26/10	22,000	85,000	5/4/10	13,000	51,000	7/27/10	18,000	71,000
			Dichloropropane[1,2-]	11/3/09	63,000	290,000	1/26/10	72,000	330,000	5/4/10	62,000	280,000	7/27/10	72,000	330,000
			Hexane	11/3/09	ND	ND	1/26/10	ND	ND	5/4/10	ND	ND	7/27/10	640	2200
			Methylene chloride	11/3/09	73,000	250,000	1/26/10	38,000	130,000	5/4/10	52,000	180,000	7/27/10	68,000	240,000
			Tetrachloroethene	11/3/09	11,000	78,000	1/26/10	15,000	100,000	5/4/10	9300	63,000	7/27/10	13,000	88,000
			Tetrahydrofuran	11/3/09	710	2100	1/26/10	1100	3300	5/4/10	ND	ND	7/27/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/3/09	120,000	900,000	1/26/10	130,000	970,000	5/4/10	130,000	1,000,000	7/27/10	160,000	1,300,000
			Trichloroethane[1,1,1-]	11/3/09	370,000	2,000,000	1/26/10	430,000	2,400,000	5/4/10	410,000	2,200,000	7/27/10	430,000	2,400,000
			Trichloroethene	11/3/09	120,000	630,000	1/26/10	130,000	720,000	5/4/10	110,000	610,000	7/27/10	140,000	740,000
			Trichlorofluoromethane	11/3/09	2800	16,000	1/26/10	3400	19,000	5/4/10	3000	17,000	7/27/10	3700	21,000
	25	24–26	Benzene	11/2/09	ND	ND	1/25/10	100	330	4/19/10	ND	ND	7/27/10	ND	ND
			Carbon tetrachloride	11/2/09	470	3000	1/25/10	650	4100	4/19/10	670	4200	7/29/10	550	3500
			Chloroform	11/2/09	2200	10,000	1/25/10	2700	13,000	4/19/10	2800	14,000	7/29/10	2900	14,000
			Dichlorodifluoromethane	11/2/09	180	900	1/25/10	230	1100	4/19/10	220	1100	7/29/10	230	1100
			Dichloroethane[1,1-]	11/2/09	2700	11,000	1/25/10	3400	14,000	4/19/10	3500	14,000	7/29/10	3700	15,000
			Dichloroethane[1,2-]	11/2/09	1000	4000	1/25/10	1200	4900	4/19/10	1400	5500	7/29/10	1300	5200
			Dichloroethene[1,1-]	11/2/09	4800	19,000	1/25/10	5700	23,000	4/19/10	5000	20,000	7/29/10	5600	22,000
			Dichloropropane[1,2-]	11/2/09	1200	5600	1/25/10	1600	7300	4/19/10	1600	7400	7/29/10	1700	8000
			Tetrachloroethene	11/2/09	34,000	230,000	1/25/10	38,000	260,000	4/19/10	44,000	300,000	7/29/10	51,000	340,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/2/09	5600	43,000	1/25/10	7200	55,000	4/19/10	7900	61000	7/29/10	7300	56,000
			Trichloroethane[1,1,1-]	11/2/09	75,000	410,000	1/25/10	90,000	490,000	4/19/10	100,000	540,000	7/29/10	96,000	520,000
			Trichloroethene	11/2/09	25,000	130,000	1/25/10	30,000	160,000	4/19/10	32,000	170,000	7/29/10	33,000	180,000
			Trichlorofluoromethane	11/2/09	570	3200	1/25/10	690	3900	4/19/10	780	4400	7/29/10	740	4,200

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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	Benzene	11/2/09	ND	ND	1/25/10	220	710	4/19/10	220	710	7/29/10	210	680
			Carbon tetrachloride	11/2/09	550	3500	1/25/10	800	5000	4/19/10	720	4500	7/29/10	670	4200
			Chloroform	11/2/09	2700	13,000	1/25/10	3400	17,000	4/19/10	3300	16,000	7/29/10	3600	17,000
			Dichlorodifluoromethane	11/2/09	240	1200	1/25/10	330	1600	4/19/10	300	1500	7/29/10	330	1600
			Dichloroethane[1,1-]	11/2/09	3400	14,000	1/25/10	4200	17,000	4/19/10	3800	16,000	7/29/10	4600	18,000
			Dichloroethane[1,2-]	11/2/09	1900	7600	1/25/10	2400	9600	4/19/10	2300	9400	7/29/10	2300	9400
			Dichloroethene[1,1-]	11/2/09	5900	24,000	1/25/10	8300	33,000	4/19/10	6600	26,000	7/29/10	7800	31,000
			Dichloropropane[1,2-]	11/2/09	1600	7200	1/25/10	2000	9500	4/19/10	1800	8600	7/29/10	2200	10,000
			Tetrachloroethene	11/2/09	40,000	280,000	1/25/10	43,000	290,000	4/19/10	46,000	310,000	7/29/10	50,000	340,000
			Toluene	11/2/09	ND	ND	1/25/10	ND	ND	4/19/10	160	620	7/29/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/2/09	7600	59,000	1/25/10	9800	75,000	4/19/10	10,000	77,000	7/29/10	10,000	78,000
			Trichloroethane[1,1,1-]	11/2/09	100,000	560,000	1/25/10	120,000	670,000	4/19/10	120,000	680,000	7/29/10	130,000	700,000
			Trichloroethene	11/2/09	32,000	170,000	1/25/10	40,000	220,000	4/19/10	40,000	210,000	7/29/10	43,000	230,000
			Trichlorofluoromethane	11/2/09	790	4400	1/25/10	1000	5800	4/19/10	1100	6000	7/29/10	1100	6300
54-24240	28	27–29	Benzene	11/2/09	ND	ND	1/25/10	360	1200	4/19/10	ND	ND	8/3/10	ND	ND
			Carbon tetrachloride	11/2/09	640	4000	1/25/10	890	5600	4/19/10	490	3100	8/3/10	620	3900
			Chloroform	11/2/09	2300	11,000	1/25/10	3600	18,000	4/19/10	2000	9900	8/3/10	2500	12,000
			Dichlorodifluoromethane	11/2/09	610	3000	1/25/10	1900	9500	4/19/10	790	3900	8/3/10	2400	12,000
			Dichloroethane[1,1-]	11/2/09	11,000	46,000	1/25/10	14,000	57,000	4/19/10	7500	30,000	8/3/10	11,000	44,000
			Dichloroethane[1,2-]	11/2/09	100,000	410,000	1/25/10	150,000	610,000	4/19/10	79,000	320,000	8/3/10	96,000	390,000
			Dichloroethene[1,1-]	11/2/09	5000	20,000	1/25/10	6200	24,000	4/19/10	2100	8400	8/3/10	3200	13,000
			Dichloropropane[1,2-]	11/2/09	440	2000	1/25/10	640	3000	4/19/10	310	1400	8/3/10	400	1800
			Methylene chloride	11/2/09	500	1700	1/25/10	890	3100	4/19/10	280	960	8/3/10	450	1600
			Tetrachloroethene	11/2/09	39,000	260,000	1/25/10	55,000	370,000	4/19/10	28,000	190,000	8/3/10	37,000	250,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/2/09	9200	70,000	1/25/10	13,000	99,000	4/19/10	11,000	83,000	8/3/10	15,000	120,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-24240 (cont.)	28	27–29	Trichloroethane[1,1,1-]	11/2/09	220,000	1,200,000	1/25/10	270,000	1,500,000	4/19/10	160,000	880,000	8/3/10	220,000	1,200,000
			Trichloroethene	11/2/09	150,000	790,000	1/25/10	210,000	1,100,000	4/19/10	120,000	640,000	8/3/10	200,000	1,000,000
			Trichlorofluoromethane	11/2/09	1600	9300	1/25/10	2300	13,000	4/19/10	1400	8100	8/3/10	2800	16,000
	53	52–54	Benzene	11/2/09	670	2100	1/25/10	850	2700	4/19/10	730	2300	8/3/10	760	2400
			Carbon tetrachloride	11/2/09	1200	7800	1/25/10	1500	9700	4/19/10	1300	8100	8/3/10	1400	8800
			Chlorobenzene	11/2/09	ND	ND	1/25/10	ND	ND	4/19/10	410	1900	8/3/10	ND	ND
			Chloroform	11/2/09	6200	30,000	1/25/10	7900	38,000	4/19/10	7300	36,000	8/3/10	7600	37,000
			Dichlorodifluoromethane	11/2/09	1800	9000	1/25/10	4300	21,000	4/19/10	2700	13,000	8/3/10	8400	41,000
			Dichloroethane[1,1-]	11/2/09	15,000	61,000	1/25/10	19,000	77,000	4/19/10	15,000	60,000	8/3/10	16,000	66,000
			Dichloroethane[1,2-]	11/2/09	160,000	640,000	1/25/10	180,000	740,000	4/19/10	160,000	640,000	8/3/10	170,000	710,000
			Dichloroethene[1,1-]	11/2/09	8700	35,000	1/25/10	10,000	40,000	4/19/10	4900	20,000	8/3/10	5600	22,000
			Dichloropropane[1,2-]	11/2/09	760	3500	1/25/10	970	4500	4/19/10	750	3500	8/3/10	800	3700
			Hexane	11/2/09	590	2100	1/25/10	820	2900	4/19/10	650	2300	8/3/10	720	2500
			Methylene chloride	11/2/09	9200	32,000	1/25/10	7400	26,000	4/19/10	4600	16,000	8/3/10	4900	17,000
			Tetrachloroethene	11/2/09	46,000	310,000	1/25/10	53,000	360,000	4/19/10	46,000	310,000	8/3/10	42,000	290,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/2/09	14,000	110,000	1/25/10	20,000	160,000	4/19/10	23,000	170,000	8/3/10	26,000	200,000
			Trichloroethane[1,1,1-]	11/2/09	340,000	1,900,000	1/25/10	420,000	2,300,000	4/19/10	370,000	2,000,000	8/3/10	390,000	2,100,000
			Trichloroethene	11/2/09	180,000	950,000	1/25/10	220,000	1,200,000	4/19/10	200,000	1,100,000	8/3/10	240,000	1,300,000
			Trichlorofluoromethane	11/2/09	3500	20,000	1/25/10	4400	25,000	4/19/10	4300	24,000	8/3/10	8200	46,000
	128	127–129	Benzene	11/2/09	ND	ND	1/25/10	220	710	4/19/10	ND	ND	8/3/10	220	700
			Carbon tetrachloride	11/2/09	550	3500	1/25/10	590	3700	4/19/10	470	3000	8/3/10	450	2800
			Chloroform	11/2/09	2000	10,000	1/25/10	1900	9400	4/19/10	2100	10,000	8/3/10	2000	10,000
			Dichlorodifluoromethane	11/2/09	850	4200	1/25/10	1000	5100	4/19/10	980	4800	8/3/10	990	4900
			Dichloroethane[1,1-]	11/2/09	6500	26,000	1/25/10	6700	27,000	4/19/10	6800	27,000	8/3/10	6900	28,000
			Dichloroethane[1,2-]	11/2/09	15,000	60,000	1/25/10	13,000	52,000	4/19/10	14,000	57,000	8/3/10	13,000	54,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-24240 (cont.)	128	127–129	Dichloroethene[1,1-]	11/2/09	6700	27,000	1/25/10	7000	28,000	4/19/10	6100	24,000	8/3/10	6100	24,000
			Dichloropropane[1,2-]	11/2/09	670	3100	1/25/10	720	3300	4/19/10	850	3900	8/3/10	790	3600
			Hexane	11/2/09	ND	ND	1/25/10	220	770	4/19/10	ND	ND	8/3/10	ND	ND
			Methylene chloride	11/2/09	3100	11,000	1/25/10	2200	7500	4/19/10	1600	5400	8/3/10	2300	7900
			Tetrachloroethene	11/2/09	17,000	110,000	1/25/10	14,000	97,000	4/19/10	19,000	130,000	8/3/10	16,000	110,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/2/09	6200	48,000	1/25/10	6500	50,000	4/19/10	6600	51,000	8/3/10	7300	56000
			Trichloroethane[1,1,1-]	11/2/09	170,000	950,000	1/25/10	180,000	970,000	4/19/10	200,000	1,100,000	8/3/10	190,000	1,000,000
			Trichloroethene	11/2/09	49,000	260,000	1/25/10	49,000	260,000	4/19/10	55,000	300,000	8/3/10	52,000	280,000
			Trichlorofluoromethane	11/2/09	1200	6700	1/25/10	1200	6900	4/19/10	1300	7200	8/3/10	1300	7100
	153	152–154	Benzene	11/2/09	ND	ND	1/25/10	190	600	4/19/10	ND	ND	8/3/10	ND	ND
			Carbon tetrachloride	11/2/09	550	3400	1/25/10	490	3100	4/19/10	390	2400	8/3/10	410	2600
			Chloroform	11/2/09	1900	9300	1/25/10	1500	7200	4/19/10	1700	8400	8/3/10	1600	7800
			Dichlorodifluoromethane	11/2/09	850	4200	1/25/10	890	4400	4/19/10	860	4200	8/3/10	920	4600
			Dichloroethane[1,1-]	11/2/09	6400	26,000	1/25/10	5700	23,000	4/19/10	5800	24,000	8/3/10	6000	24,000
			Dichloroethane[1,2-]	11/2/09	12,000	49,000	1/25/10	7800	32,000	4/19/10	9600	39,000	8/3/10	8600	35,000
			Dichloroethene[1,1-]	11/2/09	7000	28,000	1/25/10	6800	27,000	4/19/10	6500	26,000	8/3/10	7600	30,000
			Dichloropropane[1,2-]	11/2/09	700	3200	1/25/10	630	2900	4/19/10	730	3400	8/3/10	710	3300
			Methylene chloride	11/2/09	1900	6500	1/25/10	920	3200	4/19/10	530	1800	8/3/10	740	2600
			Tetrachloroethene	11/2/09	17,000	110,000	1/25/10	11,000	75,000	4/19/10	15,000	99,000	8/3/10	12,000	82,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/2/09	6200	47,000	1/25/10	5500	42,000	4/19/10	5800	44,000	8/3/10	6200	47,000
			Trichloroethane[1,1,1-]	11/2/09	180,000	980,000	1/25/10	160,000	860,000	4/19/10	190,000	1,000,000	8/3/10	180,000	960,000
			Trichloroethene	11/2/09	49,000	260,000	1/25/10	41,000	220,000	4/19/10	49,000	260,000	8/3/10	44,000	240,000
			Trichlorofluoromethane	11/2/09	1200	6600	1/25/10	1000	5900	4/19/10	1100	6300	8/3/10	1200	6500

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)	Date	Result (ppbv)	Result (µg/m^3)
54-24241	73	71–74	Benzene	11/2/09	460	1500	2/11/10	460	1500	4/20/10	ND	ND	8/3/10	390	1200
			Carbon tetrachloride	11/2/09	2900	18,000	2/11/10	2400	15,000	4/20/10	1700	10,000	8/3/10	2000	13,000
			Chloroform	11/2/09	6500	32,000	2/11/10	6900	34,000	4/20/10	5300	26,000	8/3/10	6600	32,000
			Dichlorodifluoromethane	11/2/09	ND	ND	2/11/10	ND	ND	4/20/10	ND	ND	8/3/10	300	1500
			Dichloroethane[1,1-]	11/2/09	10,000	42,000	2/11/10	10,000	42,000	4/20/10	8200	33,000	8/3/10	10,000	41,000
			Dichloroethane[1,2-]	11/2/09	6600	27,000	2/11/10	6800	28,000	4/20/10	5400	22,000	8/3/10	6800	27,000
			Dichloroethene[1,1-]	11/2/09	9900	39,000	2/11/10	8500	34,000	4/20/10	5300	21,000	8/3/10	7200	29,000
			Dichloroethene[trans-1,2-]	11/2/09	ND	ND	2/11/10	340	1300	4/20/10	ND	ND	8/3/10	420	1700
			Dichloropropane[1,2-]	11/2/09	6000	28,000	2/11/10	7500	34,000	4/20/10	5400	25,000	8/3/10	6500	30,000
			Dioxane[1,4-]	11/2/09	ND	ND	2/11/10	1200	4300	4/20/10	ND	ND	8/3/10	1900	6700
			Methylene chloride	11/2/09	840	2900	2/11/10	660	2300	4/20/10	ND	ND	8/3/10	450	1600
			Tetrachloroethene	11/2/09	22,000	150,000	2/11/10	22,000	150,000	4/20/10	14,000	93,000	8/3/10	20,000	140,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/2/09	24,000	180,000	2/11/10	23,000	170,000	4/20/10	18,000	140,000	8/3/10	25,000	190,000
			Trichloroethane[1,1,1-]	11/2/09	230,000	1,200,000	2/11/10	220,000	1,200,000	4/20/10	190,000	1,000,000	8/3/10	220,000	1,200,000
			Trichloroethene	11/2/09	59,000	320,000	2/11/10	63,000	340,000	4/20/10	48,000	260,000	8/3/10	61,000	330,000
			Trichlorofluoromethane	11/2/09	1400	8100	2/11/10	1400	8000	4/20/10	1100	6400	8/3/10	1500	8500
			Benzene	11/2/09	ND	ND	2/11/10	ND	ND	4/20/10	ND	ND	8/3/10	240	770
			Carbon tetrachloride	11/2/09	1200	7800	2/11/10	1000	6500	4/20/10	850	5300	8/3/10	1400	8600
			Chloroform	11/2/09	3800	19,000	2/11/10	4300	21,000	4/20/10	3500	17,000	8/3/10	5100	25,000
			Dichlorodifluoromethane	11/2/09	ND	ND	2/11/10	240	1200	4/20/10	ND	ND	8/3/10	350	1700
			Dichloroethane[1,1-]	11/2/09	5200	21,000	2/11/10	5300	22,000	4/20/10	4700	19,000	8/3/10	6900	28,000
			Dichloroethane[1,2-]	11/2/09	3500	14,000	2/11/10	4100	17,000	4/20/10	3300	13,000	8/3/10	4500	18,000
			Dichloroethene[1,1-]	11/2/09	7800	31,000	2/11/10	7400	29,000	4/20/10	5500	22,000	8/3/10	9000	36,000
			Dichloroethene[trans-1,2-]	11/2/09	ND	ND	2/11/10	ND	ND	4/20/10	ND	ND	8/3/10	230	900
			Dichloropropane[1,2-]	11/2/09	3800	18,000	2/11/10	5000	23,000	4/20/10	3800	18,000	8/3/10	5400	25,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	73	71–74	Tetrachloroethene	11/2/09	16,000	110,000	2/11/10	16,000	100,000	4/20/10	11,000	74,000	8/3/10	20,000	140,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/2/09	15,000	110,000	2/11/10	14,000	110,000	4/20/10	13,000	100,000	8/3/10	22,000	170,000
			Trichloroethane[1,1,1-]	11/2/09	140,000	770,000	2/11/10	130,000	710,000	4/20/10	130,000	700,000	8/3/10	190,000	1,000,000
			Trichloroethene	11/2/09	41,000	220,000	2/11/10	43,000	230,000	4/20/10	34,000	180,000	8/3/10	55,000	300,000
			Trichlorofluoromethane	11/2/09	1200	6800	2/11/10	1200	7000	4/20/10	1200	6500	8/3/10	1800	10,000
	133	132–134	Benzene	11/2/09	230	740	2/11/10	230	750	4/20/10	ND	ND	8/3/10	230	750
			Carbon tetrachloride	11/2/09	1100	6800	2/11/10	880	5600	4/20/10	750	4700	8/3/10	1000	6300
			Chloroform	11/2/09	3500	17,000	2/11/10	3700	18,000	4/20/10	3600	17,000	8/3/10	4000	19,000
			Dichlorodifluoromethane	11/2/09	280	1400	2/11/10	280	1400	4/20/10	300	1500	8/3/10	360	1800
			Dichloroethane[1,1-]	11/2/09	4100	16,000	2/11/10	3800	15,000	4/20/10	3800	16,000	8/3/10	4600	19,000
			Dichloroethane[1,2-]	11/2/09	2700	11,000	2/11/10	3100	12,000	4/20/10	2900	12,000	8/3/10	3100	12,000
			Dichloroethene[1,1-]	11/2/09	9000	36,000	2/11/10	8500	34,000	4/20/10	7100	28,000	8/3/10	8800	35,000
			Dichloropropane[1,2-]	11/2/09	2900	13,000	2/11/10	3400	16,000	4/20/10	3000	14,000	8/3/10	3400	16,000
			Methylene chloride	11/2/09	ND	ND	2/11/10	ND	ND	4/20/10	ND	ND	8/3/10	310	1100
			Tetrachloroethene	11/2/09	15,000	100,000	2/11/10	14,000	92,000	4/20/10	12,000	78,000	8/3/10	15,000	100,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/2/09	16,000	120,000	2/11/10	14,000	100,000	4/20/10	14,000	110,000	8/3/10	18,000	140,000
			Trichloroethane[1,1,1-]	11/2/09	130,000	720,000	2/11/10	120,000	630,000	4/20/10	130,000	720,000	8/3/10	140,000	790,000
			Trichloroethene	11/2/09	39,000	210,000	2/11/10	39,000	210,000	4/20/10	37,000	200,000	8/3/10	42,000	230,000
			Trichlorofluoromethane	11/2/09	1600	9000	2/11/10	1500	8600	4/20/10	1500	8600	8/3/10	1900	11,000
54-24242	25	24–26	Benzene	11/2/09	ND	ND	1/25/10	66	210	4/20/10	ND	ND	8/4/10	ND	ND
			Carbon tetrachloride	11/2/09	370	2400	1/25/10	340	2100	4/20/10	300	1900	8/4/10	350	2200
			Chloroform	11/2/09	1700	8400	1/25/10	1700	8100	4/20/10	1600	7900	8/4/10	1800	8900
			Dichlorodifluoromethane	11/2/09	ND	ND	1/25/10	85	420	4/20/10	ND	ND	8/4/10	ND	ND
			Dichloroethane[1,1-]	11/2/09	2100	8500	1/25/10	2000	8100	4/20/10	2000	8300	8/4/10	2300	9300
			Dichloroethane[1,2-]	11/2/09	660	2700	1/25/10	670	2700	4/20/10	590	2400	8/4/10	640	2600

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	25	24–26	Dichloroethene[1,1-]	11/2/09	3300	13,000	1/25/10	2700	10,000	4/20/10	2400	9400	8/4/10	3100	12,000
			Dichloropropane[1,2-]	11/2/09	1100	5200	1/25/10	1200	5300	4/20/10	1100	4900	8/4/10	1200	5600
			Tetrachloroethene	11/2/09	75,000	510,000	1/25/10	46,000	310,000	4/20/10	54,000	360,000	8/4/10	120,000	780,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/2/09	4200	32,000	1/25/10	3500	27,000	4/20/10	3900	30,000	8/4/10	4400	34,000
			Trichloroethane[1,1,1-]	11/2/09	58,000	310,000	1/25/10	46,000	250,000	4/20/10	51,000	280,000	8/4/10	61,000	340,000
			Trichloroethene	11/2/09	24,000	130,000	1/25/10	22,000	120,000	4/20/10	22,000	120,000	8/4/10	28,000	150,000
			Trichlorofluoromethane	11/2/09	400	2300	1/25/10	330	1800	4/20/10	380	2100	8/4/10	440	2400
	50	49–51	Benzene	11/2/09	270	850	1/25/10	320	1000	4/20/10	ND	ND	8/4/10	350	1100
			Carbon tetrachloride	11/2/09	680	4200	1/25/10	850	5400	4/20/10	650	4100	8/4/10	830	5200
			Chloroform	11/2/09	3400	16,000	1/25/10	4000	20,000	4/20/10	3600	18,000	8/4/10	4400	21,000
			Dichlorodifluoromethane	11/2/09	240	1200	1/25/10	310	1500	4/20/10	ND	ND	8/4/10	340	1700
			Dichloroethane[1,1-]	11/2/09	3500	14,000	1/25/10	4500	18,000	4/20/10	4100	17,000	8/4/10	5000	20,000
			Dichloroethane[1,2-]	11/2/09	2700	11,000	1/25/10	3300	13,000	4/20/10	2900	12,000	8/4/10	3400	14,000
			Dichloroethene[1,1-]	11/2/09	6800	27,000	1/25/10	9200	36,000	4/20/10	6800	27,000	8/4/10	8600	34,000
			Dichloropropane[1,2-]	11/2/09	2200	10,000	1/25/10	2700	12,000	4/20/10	2300	10,000	8/4/10	2900	13,000
			Methylene chloride	11/2/09	390	1400	1/25/10	320	1100	4/20/10	390	1400	8/4/10	240	840
			Tetrachloroethene	11/2/09	49,000	330,000	1/25/10	50,000	340,000	4/20/10	38,000	260,000	8/4/10	53,000	360,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/2/09	9400	72,000	1/25/10	12,000	91,000	4/20/10	12,000	88,000	8/4/10	14,000	110,000
			Trichloroethane[1,1,1-]	11/2/09	120,000	640,000	1/25/10	140,000	750,000	4/20/10	140,000	760,000	8/4/10	150,000	830,000
			Trichloroethene	11/2/09	39,000	210,000	1/25/10	45,000	240,000	4/20/10	40,000	210,000	8/4/10	49,000	260,000
			Trichlorofluoromethane	11/2/09	930	5200	1/25/10	1200	6800	4/20/10	1200	6500	8/4/10	1400	7800
54-24243	25	24–26	Carbon tetrachloride	11/12/09	480	3000	2/10/10	600	3800	4/26/10	ND	ND	8/12/10	500	3100
			Chloroform	11/12/09	3400	16,000	2/10/10	4000	20,000	4/26/10	3300	16,000	8/12/10	4000	19,000
			Cyclohexane	11/12/09	ND	ND	2/10/10	3400	12,000	4/26/10	ND	ND	8/12/10	ND	ND
			Dichlorodifluoromethane	11/12/09	190	920	2/10/10	280	1400	4/26/10	ND	ND	8/12/10	360	1800

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	25	24–26	Dichloroethane[1,1-]	11/12/09	4400	18,000	2/10/10	5500	22,000	4/26/10	4500	18,000	8/12/10	4600	19,000
			Dichloroethane[1,2-]	11/12/09	3500	14,000	2/10/10	4500	18,000	4/26/10	4000	16,000	8/12/10	5200	21,000
			Dichloroethene[1,1-]	11/12/09	5900	24,000	2/10/10	6100	24,000	4/26/10	3600	14,000	8/12/10	4000	16,000
			Dichloropropane[1,2-]	11/12/09	8400	39,000	2/10/10	7500	34,000	4/26/10	7200	33,000	8/12/10	9700	45,000
			Tetrachloroethene	11/12/09	2900	20,000	2/10/10	800	5400	4/26/10	2100	14,000	8/12/10	3100	21,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/09	48,000	370,000	2/10/10	52,000	400,000	4/26/10	46,000	350,000	8/12/10	55,000	420,000
			Trichloroethane[1,1,1-]	11/12/09	130,000	720,000	2/10/10	140,000	750,000	4/26/10	130,000	730,000	8/12/10	140,000	780,000
			Trichloroethene	11/12/09	37,000	200,000	2/10/10	35,000	190,000	4/26/10	34,000	180,000	8/12/10	45,000	240,000
			Trichlorofluoromethane	11/12/09	970	5400	2/10/10	1200	6800	4/26/10	1000	5700	8/12/10	850	4800
	75	74–76	Carbon tetrachloride	11/12/09	820	5200	2/10/10	860	5400	4/26/10	760	4800	8/12/10	910	5800
			Chloroform	11/12/09	5600	27,000	2/10/10	5800	28,000	4/26/10	6400	31,000	8/12/10	7100	35,000
			Cyclohexane	11/12/09	ND	ND	2/10/10	5500	19,000	4/26/10	ND	ND	8/12/10	ND	ND
			Dichlorodifluoromethane	11/12/09	360	1800	2/10/10	400	2000	4/26/10	ND	ND	8/12/10	620	3100
			Dichloroethane[1,1-]	11/12/09	6200	25,000	2/10/10	6300	25,000	4/26/10	7100	29,000	8/12/10	7200	29,000
			Dichloroethane[1,2-]	11/12/09	2500	10,000	2/10/10	2700	11,000	4/26/10	3200	13,000	8/12/10	3400	14,000
			Dichloroethene[1,1-]	11/12/09	10,000	42,000	2/10/10	10,000	40,000	4/26/10	7900	31,000	8/12/10	9100	36,000
			Dichloropropane[1,2-]	11/12/09	20,000	94,000	2/10/10	21,000	97,000	4/26/10	22,000	100,000	8/12/10	25,000	120,000
			Methylene chloride	11/12/09	730	2500	2/10/10	640	2200	4/26/10	800	2800	8/12/10	560	2000
			Tetrachloroethene	11/12/09	5000	34,000	2/10/10	4400	30,000	4/26/10	3900	26,000	8/12/10	5500	37,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/09	65,000	500,000	2/10/10	69,000	530,000	4/26/10	77,000	590,000	8/12/10	89,000	680,000
			Trichloroethane[1,1,1-]	11/12/09	230,000	1,200,000	2/10/10	220,000	1,200,000	4/26/10	270,000	1,500,000	8/12/10	280,000	1,500,000
			Trichloroethene	11/12/09	62,000	340,000	2/10/10	63,000	340,000	4/26/10	68,000	370,000	8/12/10	79,000	420,000
			Trichlorofluoromethane	11/12/09	1900	11,000	2/10/10	1900	11,000	4/26/10	2000	11,000	8/12/10	1900	11,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	125	124–126	Benzene	11/12/09	460	1500	2/10/10	370	1200	4/26/10	ND	ND	8/12/10	480	1500
			Carbon tetrachloride	11/12/09	820	5100	2/10/10	620	3900	4/26/10	500	3200	8/12/10	770	4900
			Chloroform	11/12/09	4800	24,000	2/10/10	4000	20,000	4/26/10	3700	18,000	8/12/10	5500	27,000
			Cyclohexane	11/12/09	ND	ND	2/10/10	3600	12,000	4/26/10	ND	ND	8/12/10	ND	ND
			Dichlorodifluoromethane	11/12/09	330	1600	2/10/10	300	1500	4/26/10	ND	ND	8/12/10	350	1700
			Dichloroethane[1,1-]	11/12/09	4400	18,000	2/10/10	3800	15,000	4/26/10	3600	14,000	8/12/10	4800	20,000
			Dichloroethane[1,2-]	11/12/09	5100	21,000	2/10/10	4300	17,000	4/26/10	3800	15,000	8/12/10	5300	22,000
			Dichloroethene[1,1-]	11/12/09	11,000	46,000	2/10/10	9300	37,000	4/26/10	7300	29,000	8/12/10	10,000	40,000
			Dichloropropane[1,2-]	11/12/09	14,000	67,000	2/10/10	13,000	58,000	4/26/10	10,000	49,000	8/12/10	18,000	83,000
			Ethanol	11/12/09	ND	ND	2/10/10	860	1600	4/26/10	ND	ND	8/12/10	ND	ND
			Methylene chloride	11/12/09	8100	28,000	2/10/10	5900	21,000	4/26/10	5800	20,000	8/12/10	7200	25,000
			Tetrachloroethene	11/12/09	5100	35,000	2/10/10	3900	26,000	4/26/10	2800	19,000	8/12/10	5300	36,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/12/09	33,000	250,000	2/10/10	29,000	220,000	4/26/10	27,000	210,000	8/12/10	42,000	320,000
			Trichloroethane[1,1,1-]	11/12/09	180,000	990,000	2/10/10	140,000	790,000	4/26/10	140,000	790,000	8/12/10	200,000	1,100,000
			Trichloroethene	11/12/09	52,000	280,000	2/10/10	43,000	230,000	4/26/10	37,000	200,000	8/12/10	59,000	320,000
			Trichlorofluoromethane	11/12/09	2500	14,000	2/10/10	2100	12,000	4/26/10	1900	10,000	8/12/10	2400	13,000
54-24399	550[c]	550–608[d]	Benzene	12/7/09	ND	ND	3/2/10	ND	ND	4/21/10	1.9	6	8/17/10	ND	ND
			Butanone[2-]	12/7/09	ND	ND	3/2/10	ND	ND	4/21/10	3.3	9.7	8/17/10	ND	ND
			Carbon tetrachloride	12/7/09	7.1	44	3/2/10	3.1	19	4/21/10	2.6	16	8/17/10	ND	ND
			Chloroform	12/7/09	30	140	3/2/10	13	64	4/21/10	10	50	8/17/10	ND	ND
			Cyclohexane	12/7/09	ND	ND	3/2/10	ND	ND	4/21/10	8.4	29	8/17/10	ND	ND
			Dichlorodifluoromethane	12/7/09	5.6	28	3/2/10	4.4	22	4/21/10	4.2	20	8/17/10	ND	ND
			Dichloroethane[1,1-]	12/7/09	46	190	3/2/10	21	84	4/21/10	17	68	8/17/10	ND	ND
			Dichloroethane[1,2-]	12/7/09	20	79	3/2/10	9.8	40	4/21/10	ND	ND	8/17/10	ND	ND
			Dichloroethene[1,1-]	12/7/09	54	220	3/2/10	35	140	4/21/10	35	140	8/17/10	ND	ND

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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)
54-24399[c] (cont.)	550	550–608[d]	Dichloropropane[1,2-]	12/7/09	19	89	3/2/10	8.6	40	4/21/10	ND	ND	8/17/10	ND	ND
			Ethanol	12/7/09	52 (J)	98 (J)	3/2/10	7.5	14	4/21/10	ND	ND	8/17/10	ND	ND
			Methylene chloride	12/7/09	5	17	3/2/10	2.5	8.8	4/21/10	1.7	5.8	8/17/10	ND	ND
			Tetrachloroethene	12/7/09	130	900	3/2/10	75	510	4/21/10	53	360	8/17/10	66	450
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	12/7/09	100	780	3/2/10	54	410	4/21/10	ND	ND	8/17/10	ND	ND
			Trichloroethane[1,1,1-]	12/7/09	850	4700	3/2/10	380	2100	4/21/10	330	1800	8/17/10	39	210
			Trichloroethene	12/7/09	310	1700	3/2/10	160	850	4/21/10	120	670	8/17/10	50	270
			Trichlorofluoromethane	12/7/09	12	67	3/2/10	6.9	39	4/21/10	6.6	37	8/17/10	ND	ND
54-27641	32	29.5–34.5	Carbon tetrachloride	11/3/10	650	4100	1/27/10	950	6000	4/16/10	650	4100	7/29/10	650	4100
			Chloroform	11/3/09	1200	6100	1/27/10	2000	10,000	4/16/10	1700	8500	7/29/10	1600	7600
			Dichlorodifluoromethane	11/3/09	750	3700	1/27/10	1600	8000	4/16/10	1200	6100	7/29/10	1600	8000
			Dichloroethane[1,1-]	11/3/10	9500	38,000	1/27/10	13,000	53,000	4/16/10	9200	37,000	7/29/10	9200	37,000
			Dichloroethane[1,2-]	11/3/10	29,000	120,000	1/27/10	46,000	190,000	4/16/10	41,000	170,000	7/29/10	36,000	150,000
			Dichloroethene[1,1-]	11/3/10	6800	27,000	1/27/10	11,000	44,000	4/16/10	4400	18,000	7/29/10	4300	17,000
			Dichloropropane[1,2-]	11/3/10	710	3300	1/27/10	760	3500	4/16/10	760	3500	7/29/10	580	2700
			Methylene chloride	11/3/09	1400	4900	1/27/10	1600	5400	4/16/10	920	3200	7/29/10	750	2600
			Tetrachloroethene	11/3/10	31,000	210,000	1/27/10	42,000	290,000	4/16/10	38,000	250,000	7/29/10	32,000	220,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/3/10	9500	72,000	1/27/10	14,000	110,000	4/16/10	13,000	98,000	7/29/10	11,000	87,000
			Trichloroethane[1,1,1-]	11/3/10	260,000	1,400,000	1/27/10	350,000	1,900,000	4/16/10	290,000	1,600,000	7/29/10	260,000	1,400,000
			Trichloroethene	11/3/10	140,000	730,000	1/27/10	220,000	1,200,000	4/16/10	180,000	970,000	7/29/10	180,000	950,000
			Trichlorofluoromethane	11/3/09	1400	7600	1/27/10	2200	12,000	4/16/10	1800	10,000	7/29/10	1800	9900
	82	79.5–84.5	Carbon tetrachloride	11/3/09	390	2400	1/27/10	540	3400	4/16/10	820	5100	7/29/10	520	3300
			Chloroform	11/3/09	1200	5800	1/27/10	1400	6700	4/16/10	2400	12,000	7/29/10	1700	8300
			Dichlorodifluoromethane	11/3/09	810	4000	1/27/10	1000	4900	4/16/10	1500	7600	7/29/10	1200	6000
			Dichloroethane[1,1-]	11/3/09	6500	26,000	1/27/10	7400	30,000	4/16/10	11,000	46,000	7/29/10	8400	34,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	82	79.5–84.5	Dichloroethane[1,2-]	11/3/09	19,000	76,000	1/27/10	22,000	90,000	4/16/10	39,000	160,000	7/29/10	26,000	100,000
			Dichloroethene[1,1-]	11/3/09	5800	23,000	1/27/10	6400	26,000	4/16/10	6700	26,000	7/29/10	5600	22,000
			Dichloropropane[1,2-]	11/3/09	540	2500	1/27/10	650	3000	4/16/10	1100	5000	7/29/10	720	3300
			Hexane	11/3/09	470	1700	1/27/10	500	1800	4/16/10	670	2400	7/29/10	570	2000
			Methylene chloride	11/3/09	7500	26,000	1/27/10	6700	23,000	4/16/10	10,000	35,000	7/29/10	7800	27,000
			Tetrachloroethene	11/3/09	26,000	180,000	1/27/10	28,000	190,000	4/16/10	54,000	370,000	7/29/10	30,000	200,000
			Tetrahydrofuran	11/3/09	ND	ND	1/27/10	ND	ND	4/16/10	440	1300	7/29/10	ND	ND
			Toluene	11/3/09	ND	ND	1/27/10	300	1100	4/16/10	500	1900	7/29/10	290	1100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/3/09	5500	42,000	1/27/10	6200	47,000	4/16/10	12,000	89,000	7/29/10	9000	69,000
			Trichloroethane[1,1,1-]	11/3/09	180,000	1,000,000	1/27/10	200,000	1,100,000	4/16/10	350,000	1,900,000	7/29/10	220,000	1,200,000
			Trichloroethene	11/3/09	47,000	250,000	1/27/10	59,000	320,000	4/16/10	100,000	560,000	7/29/10	70,000	380,000
			Trichlorofluoromethane	11/3/09	1200	6800	1/27/10	1300	7300	4/16/10	2300	13,000	7/29/10	1800	10,000
	115	112.5–117.5	Carbon tetrachloride	11/3/09	ND	ND	1/27/10	420	2700	4/16/10	490	3100	7/29/10	380	2400
			Chloroform	11/3/09	770	3800	1/27/10	1200	5900	4/16/10	1900	9100	7/29/10	1400	7000
			Dichlorodifluoromethane	11/3/09	590	2900	1/27/10	860	4300	4/16/10	1200	6100	7/29/10	970	4800
			Dichloroethane[1,1-]	11/3/09	4100	16,000	1/27/10	6300	25,000	4/16/10	8500	34,000	7/29/10	8200	33,000
			Dichloroethane[1,2-]	11/3/09	8200	33,000	1/27/10	14,000	56,000	4/16/10	21,000	84,000	7/29/10	14,000	57,000
			Dichloroethene[1,1-]	11/3/09	4100	16,000	1/27/10	6200	24,000	4/16/10	8000	32,000	7/29/10	6400	26,000
			Dichloropropane[1,2-]	11/3/09	510	2400	1/27/10	720	3300	4/16/10	1100	5100	7/29/10	750	3500
			Methylene chloride	11/3/09	3300	11,000	1/27/10	4100	14,000	4/16/10	5400	19,000	7/29/10	4900	17,000
			Tetrachloroethene	11/3/09	9700	66,000	1/27/10	17,000	120,000	4/16/10	26,000	180,000	7/29/10	18,000	120,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/3/09	3400	26,000	1/27/10	4400	34,000	4/16/10	7500	58,000	7/29/10	6600	51,000
			Trichloroethane[1,1,1-]	11/3/09	110,000	620,000	1/27/10	170,000	940,000	4/16/10	260,000	1,400,000	7/29/10	200,000	1,100,000
			Trichloroethene	11/3/09	25,000	140,000	1/27/10	43,000	230,000	4/16/10	64,000	340,000	7/29/10	46,000	250,000
			Trichlorofluoromethane	11/3/09	710	4000	1/27/10	1000	5800	4/16/10	1600	8800	7/29/10	1300	7300

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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	Carbon tetrachloride	11/3/09	270	1700	1/27/10	300	1900	4/30/10	ND	ND	7/29/10	280	1700
			Chloroform	11/3/09	600	3000	1/27/10	630	3100	4/30/10	620	3000	7/29/10	780	3800
			Dichlorodifluoromethane	11/3/09	560	2800	1/27/10	630	3100	4/30/10	610	3000	7/29/10	780	3900
			Dichloroethane[1,1-]	11/3/09	3100	12,000	1/27/10	3200	13,000	4/30/10	3200	13,000	7/29/10	3900	16,000
			Dichloroethane[1,2-]	11/3/09	2500	10,000	1/27/10	2700	11,000	4/30/10	2400	9900	7/29/10	3000	12,000
			Dichloroethene[1,1-]	11/3/09	6300	25,000	1/27/10	6600	26,000	4/30/10	5600	22,000	7/29/10	6700	27,000
			Dichloropropane[1,2-]	11/3/09	310	1400	1/27/10	340	1600	4/30/10	290	1300	7/29/10	410	1900
			Methylene chloride	11/3/09	4200	15,000	1/27/10	4000	14,000	4/30/10	4300	15,000	7/29/10	5800	20,000
			Tetrachloroethene	11/3/09	3900	27,000	1/27/10	4400	30,000	4/30/10	3400	23,000	7/29/10	5000	34,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/3/09	2700	21,000	1/27/10	2900	22,000	4/30/10	3100	24,000	7/29/10	3700	29,000
			Trichloroethane[1,1,1-]	11/3/09	110,000	600,000	1/27/10	110,000	610,000	4/30/10	120,000	640,000	7/29/10	140,000	750,000
			Trichloroethene	11/3/09	24,000	130,000	1/27/10	26,000	140,000	4/30/10	25,000	140,000	7/29/10	30,000	160,000
			Trichlorofluoromethane	11/3/09	600	3400	1/27/10	670	3700	4/30/10	660	3700	7/29/10	940	5200
	271	268.5–273.5	Carbon tetrachloride	11/3/09	110	710	1/27/10	150	950	4/30/10	110	670	7/29/10	150	920
			Chloroform	11/3/09	110	520	1/27/10	140	700	4/30/10	130	650	7/29/10	160	780
			Dichlorodifluoromethane	11/3/09	300	1500	1/27/10	420	2000	4/30/10	360	1800	7/29/10	400	2000
			Dichloroethane[1,1-]	11/3/09	440	1800	1/27/10	590	2400	4/30/10	540	2200	7/29/10	680	2700
			Dichloroethane[1,2-]	11/3/09	ND	ND	1/27/10	ND	ND	4/30/10	ND	ND	7/29/10	52	210
			Dichloroethene[1,1-]	11/3/09	3300	13,000	1/27/10	4300	17,000	4/30/10	3800	15,000	7/29/10	4500	18,000
			Methylene chloride	11/3/09	440	1500	1/27/10	530	1800	4/30/10	520	1800	7/29/10	690	2400
			Tetrachloroethene	11/3/09	850	5800	1/27/10	1000	6800	4/30/10	920	6200	7/29/10	1200	8400
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/3/09	1700	13,000	1/27/10	2200	17,000	4/30/10	2000	16,000	7/29/10	2400	18,000
			Trichloroethane[1,1,1-]	11/3/09	24,000	130,000	1/27/10	30,000	160,000	4/30/10	29,000	160,000	7/29/10	34,000	190,000
			Trichloroethene	11/3/09	6300	34,000	1/27/10	8300	45,000	4/30/10	7600	41,000	7/29/10	9200	50,000
			Trichlorofluoromethane	11/3/09	350	2000	1/27/10	470	2600	4/30/10	420	2400	7/29/10	480	2700

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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	Carbon tetrachloride	11/3/09	21	130	1/27/10	23	140	4/30/10	26	160	7/29/10	26	170
			Chloroform	11/3/09	ND	ND	1/27/10	9.4	46	4/30/10	11	55	7/29/10	12	61
			Dichlorodifluoromethane	11/3/09	64	320	1/27/10	73	360	4/30/10	84	410	7/29/10	94	460
			Dichloroethane[1,1-]	11/3/09	23	93	1/27/10	29	120	4/30/10	31	130	7/29/10	40	160
			Dichloroethene[1,1-]	11/3/09	580	2300	1/27/10	660	2600	4/30/10	790	3100	7/29/10	950	3800
			Methylene chloride	11/3/09	16	56	1/27/10	ND	ND	4/30/10	21	72	7/29/10	27	95
			Tetrachloroethene	11/3/09	100	720	1/27/10	ND	ND	4/30/10	120	820	7/29/10	160	1100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/3/09	470	3600	1/27/10	520	4000	4/30/10	610	4600	7/29/10	740	5700
			Trichloroethane[1,1,1-]	11/3/09	1700	9200	1/27/10	1900	11,000	4/30/10	2400	13,000	7/29/10	2500	14,000
			Trichloroethene	11/3/09	650	3500	1/27/10	760	4100	4/30/10	860	4600	7/29/10	1000	5400
			Trichlorofluoromethane	11/3/09	100	580	1/27/10	110	620	4/30/10	130	720	7/29/10	160	880
54-27642	30	27.5–32.5	Carbon tetrachloride	11/9/09	1100	7200	1/26/10	1400	8900	4/16/10	930	5900	7/27/10	810	5100
			Chloroform	11/9/09	6400	31,000	1/26/10	8000	39,000	4/16/10	7400	36,000	7/27/10	7700	38,000
			Dichlorodifluoromethane	11/9/09	ND	ND	1/26/10	ND	ND	4/16/10	ND	ND	7/27/10	500	2500
			Dichloroethane[1,1-]	11/9/09	11,000	44,000	1/26/10	12,000	51,000	4/16/10	9100	37,000	7/27/10	7500	30,000
			Dichloroethane[1,2-]	11/9/09	5600	23,000	1/26/10	9400	38,000	4/16/10	7500	30,000	7/27/10	6600	27,000
			Dichloroethene[1,1-]	11/9/09	16,000	65,000	1/26/10	20,000	80,000	4/16/10	11,000	43,000	7/27/10	10,000	40,000
			Dichloropropane[1,2-]	11/9/09	20,000	92,000	1/26/10	26,000	120,000	4/16/10	18,000	82,000	7/27/10	15,000	69,000
			Ethanol	11/9/09	51,000 (J)	96,000 (J)	1/26/10	ND	ND	4/16/10	ND	ND	7/27/10	ND	ND
			Tetrachloroethene	11/9/09	10,000	69,000	1/26/10	12,000	84,000	4/16/10	8500	57,000	7/27/10	6500	44,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/9/09	200,000	1,500,000	1/26/10	280,000	2,200,000	4/16/10	250,000	1,900,000	7/27/10	250,000	1,900,000
			Trichloroethane[1,1,1-]	11/9/09	450,000	2,400,000	1/26/10	490,000	2,700,000	4/16/10	380,000	2,100,000	7/27/10	280,000	1,500,000
			Trichloroethene	11/9/09	58,000	310,000	1/26/10	79,000	420,000	4/16/10	64000	340,000	7/27/10	54,000	290,000
			Trichlorofluoromethane	11/9/09	1600	9300	1/26/10	2100	12,000	4/16/10	1800	10,000	7/27/10	1400	8100

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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 (cont.)	75	71.5–76.5	Benzene	11/9/09	710	2300	1/26/10	1400	4400	4/16/10	700	2200	7/27/10	710	2300
			Carbon tetrachloride	11/9/09	1200	7600	1/26/10	2300	15,000	4/16/10	1300	8100	7/27/10	1000	6700
			Chloroform	11/9/09	7500	37,000	1/26/10	15,000	71,000	4/16/10	9000	44,000	7/27/10	7900	38,000
			Dichlorodifluoromethane	11/9/09	450	2200	1/26/10	860	4200	4/16/10	ND	ND	7/27/10	ND	ND
			Dichloroethane[1,1-]	11/9/09	6300	26,000	1/26/10	12,000	47,000	4/16/10	6500	26,000	7/27/10	6900	28,000
			Dichloroethane[1,2-]	11/9/09	6000	24,000	1/26/10	12,000	49,000	4/16/10	6600	27,000	7/27/10	6500	26,000
			Dichloroethene[1,1-]	11/9/09	17,000	66,000	1/26/10	33,000	130,000	4/16/10	15,000	60,000	7/27/10	17,000	66,000
			Dichloropropane[1,2-]	11/9/09	23,000	110,000	1/26/10	48,000	220,000	4/16/10	26,000	120,000	7/27/10	29,000	130,000
			Ethanol	11/9/09	9600 (J)	18,000 (J)	1/26/10	ND	ND	4/16/10	ND	ND	7/27/10	ND	ND
			Methylene chloride	11/9/09	2400	8400	1/26/10	3700	13,000	4/16/10	1700	5900	7/27/10	1900	6700
			Tetrachloroethene	11/9/09	9100	62,000	1/26/10	20,000	130,000	4/16/10	9700	66,000	7/27/10	8400	57,000
			Tetrahydrofuran	11/9/09	12,000	37,000	1/26/10	25,000	73,000	4/16/10	12,000	35,000	7/27/10	15,000	44,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/9/09	52,000	400,000	1/26/10	100,000	780,000	4/16/10	68,000	520,000	7/27/10	78,000	600,000
			Trichloroethane[1,1,1-]	11/9/09	290,000	1,600,000	1/26/10	540,000	2,900,000	4/16/10	330,000	1,800,000	7/27/10	290,000	1,600,000
			Trichloroethene	11/9/09	68,000	360,000	1/26/10	140,000	760,000	4/16/10	82,000	440,000	7/27/10	78,000	420,000
			Trichlorofluoromethane	11/9/09	4000	23,000	1/26/10	7300	41,000	4/16/10	4600	26,000	7/27/10	4800	27,000
	116	114.5–119.5	Carbon tetrachloride	11/9/09	1200	7500	1/26/10	1600	10,000	4/16/10	1200	7600	7/27/10	980	6200
			Chloroform	11/9/09	8300	41,000	1/26/10	9400	46,000	4/16/10	9500	46,000	7/27/10	7800	38,000
			Dichlorodifluoromethane	11/9/09	ND	ND	1/26/10	ND	ND	4/16/10	ND	ND	7/27/10	620	3100
			Dichloroethane[1,1-]	11/9/09	9300	38,000	1/26/10	11,000	43,000	4/16/10	9400	38,000	7/27/10	8300	34,000
			Dichloroethane[1,2-]	11/9/09	5400	22,000	1/26/10	6000	24,000	4/16/10	5600	23,000	7/27/10	4800	19,000
			Dichloroethene[1,1-]	11/9/09	19,000	74,000	1/26/10	22,000	88,000	4/16/10	14,000	55,000	7/27/10	13,000	52,000
			Dichloropropane[1,2-]	11/9/09	34,000	160,000	1/26/10	40,000	190,000	4/16/10	33,000	150,000	7/27/10	27,000	120,000
			Ethanol	11/9/09	8700 (J)	16,000 (J)	1/26/10	ND	ND	4/16/10	ND	ND	7/27/10	ND	ND
			Methylene chloride	11/9/09	830 (J)	2900 (J)	1/26/10	ND	ND	4/16/10	ND	ND	7/27/10	1600	5400

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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 (cont.)	116	114.5–119.5	Tetrachloroethene	11/9/09	11,000	77,000	1/26/10	14,000	93,000	4/16/10	11,000	73,000	7/27/10	8600	58,000
			Tetrahydrofuran	11/9/09	2300	6800	1/26/10	ND	ND	4/16/10	630	1800	7/27/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/9/09	120,000	940,000	1/26/10	160,000	1,300,000	4/16/10	180,000	1,400,000	7/27/10	170,000	1,300,000
			Trichloroethane[1,1,1-]	11/9/09	400,000	2,200,000	1/26/10	450,000	2,500,000	4/16/10	430,000	2,300,000	7/27/10	330,000	1,800,000
			Trichloroethene	11/9/09	78,000	420,000	1/26/10	97,000	520,000	4/16/10	85,000	460,000	7/27/10	70,000	380,000
			Trichlorofluoromethane	11/9/09	3000	17,000	1/26/10	3300	19,000	4/16/10	3300	18,000	7/27/10	2600	14,000
			Benzene	11/9/09	1000	3200	1/26/10	1200	3800	5/4/10	920	2900	7/27/10	1300	4100
			Carbon tetrachloride	11/9/09	980	6100	1/26/10	1100	7100	5/4/10	810	5100	7/27/10	1100	7000
			Chlorobenzene	11/9/09	ND	ND	1/26/10	ND	ND	5/4/10	ND	ND	7/27/10	320	1400
			Chloroform	11/9/09	5100	25,000	1/26/10	6000	29,000	5/4/10	4700	23,000	7/27/10	6200	30,000
			Dichlorodifluoromethane	11/9/09	460	2300	1/26/10	540	2700	5/4/10	460	2300	7/27/10	540	2600
			Dichloroethane[1,1-]	11/9/09	2600	11,000	1/26/10	3000	12,000	5/4/10	2400	9900	7/27/10	3400	14,000
			Dichloroethane[1,2-]	11/9/09	3600	15,000	1/26/10	4400	18,000	5/4/10	3500	14,000	7/27/10	4700	19,000
			Dichloroethene[1,1-]	11/9/09	15,000	58,000	1/26/10	17,000	69,000	5/4/10	12,000	49,000	7/27/10	17,000	68,000
			Dichloropropane[1,2-]	11/9/09	6900	32,000	1/26/10	8700	40,000	5/4/10	6100	28,000	7/27/10	9700	45,000
			Hexane	11/9/09	580	2000	1/26/10	570	2000	5/4/10	500	1800	7/27/10	620	2200
			Methylene chloride	11/9/09	19,000	67,000	1/26/10	19,000	68,000	5/4/10	17,000	60,000	7/27/10	27,000	94,000
			Tetrachloroethene	11/9/09	5400	37,000	1/26/10	6400	43,000	5/4/10	3500	24,000	7/27/10	6000	41,000
			Toluene	11/9/09	3900	15,000	1/26/10	4400	17,000	5/4/10	2900	11,000	7/27/10	4000	15,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/9/09	25,000	190,000	1/26/10	30,000	230,000	5/4/10	25,000	190,000	7/27/10	32,000	250,000
			Trichloroethane[1,1,1-]	11/9/09	150,000	830,000	1/26/10	170,000	930,000	5/4/10	150,000	820,000	7/27/10	190,000	1,000,000
			Trichloroethene	11/9/09	45,000	240,000	1/26/10	55,000	300,000	5/4/10	40,000	210,000	7/27/10	61,000	330,000
			Trichlorofluoromethane	11/9/09	4400	25,000	1/26/10	5000	28,000	5/4/10	4000	22,000	7/27/10	5000	28,000
			Xylene[1,2-]	11/9/09	650	2800	1/26/10	720	3200	5/4/10	ND	ND	7/27/10	620	2700
			Xylene[1,3-]+ xylene[1,4-]	11/9/09	360	1600	1/26/10	ND	ND	5/4/10	ND	ND	7/27/10	350	1500

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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 (cont.)	275	272.5–277.5	Benzene	11/9/09	610	1900	1/26/10	760	2400	4/16/10	660	2100	7/27/10	780	2500
			Carbon tetrachloride	11/9/09	670	4200	1/26/10	790	5000	4/16/10	750	4700	7/27/10	660	4100
			Chloroform	11/9/09	2000	9600	1/26/10	2500	12,000	4/16/10	2200	11,000	7/27/10	2400	12,000
			Dichlorodifluoromethane	11/9/09	470	2300	1/26/10	580	2900	4/16/10	490	2400	7/27/10	500	2400
			Dichloroethane[1,1-]	11/9/09	740	3000	1/26/10	900	3700	4/16/10	790	3200	7/27/10	890	3600
			Dichloroethane[1,2-]	11/9/09	140	570	1/26/10	230	920	4/16/10	170	680	7/27/10	190	780
			Dichloroethene[1,1-]	11/9/09	13,000	51,000	1/26/10	16,000	62,000	4/16/10	13,000	51,000	7/27/10	16,000	62,000
			Dichloropropane[1,2-]	11/9/09	660	3000	1/26/10	950	4400	4/16/10	720	3300	7/27/10	1100	5000
			Hexane	11/9/09	630	2200	1/26/10	730	2600	4/16/10	540	1900	7/27/10	620	2200
			Methylene chloride	11/9/09	7400	26,000	1/26/10	8100	28,000	4/16/10	7500	26,000	7/27/10	9600	34,000
			Tetrachloroethene	11/9/09	2100	14,000	1/26/10	2600	17,000	4/16/10	2400	17,000	7/27/10	2500	17,000
			Toluene	11/9/09	790	3000	1/26/10	910	3400	4/16/10	880	3300	7/27/10	990	3700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/9/09	17,000	130,000	1/26/10	21,000	160,000	4/16/10	20,000	150,000	7/27/10	23,000	180,000
			Trichloroethane[1,1,1-]	11/9/09	59,000	320,000	1/26/10	70,000	380,000	4/16/10	66,000	360,000	7/27/10	74,000	400,000
			Trichloroethene	11/9/09	23,000	120,000	1/26/10	29,000	150,000	4/16/10	26,000	140,000	7/27/10	30,000	160,000
			Trichlorofluoromethane	11/9/09	3200	18,000	1/26/10	3800	21,000	4/16/10	3600	20,000	7/27/10	4100	23,000
	338	335.5–340.5	Benzene	11/9/09	150	490	1/26/10	190	600	5/4/10	150	490	7/27/10	180	570
			Carbon tetrachloride	11/9/09	250	1600	1/26/10	290	1800	5/4/10	240	1500	7/27/10	260	1600
			Chloroform	11/9/09	290	1400	1/26/10	330	1600	5/4/10	300	1400	7/27/10	330	1600
			Dichlorodifluoromethane	11/9/09	230	1100	1/26/10	270	1300	5/4/10	240	1200	7/27/10	220	1100
			Dichloroethane[1,1-]	11/9/09	100	430	1/26/10	120	470	5/4/10	120	480	7/27/10	140	550
			Dichloroethane[1,2-]	11/9/09	ND	ND	1/26/10	ND	ND	5/4/10	94	380	7/27/10	ND	ND
			Dichloroethene[1,1-]	11/9/09	5100	20,000	1/26/10	5800	23,000	5/4/10	5200	21,000	7/27/10	7000	28,000
			Dichloropropane[1,2-]	11/9/09	30	140	1/26/10	34	160	5/4/10	89	410	7/27/10	40	180
			Hexane	11/9/09	220	760	1/26/10	190	660	5/4/10	140	500	7/27/10	210	730

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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 (cont.)	338	335.5–340.5	Methylene chloride	11/9/09	880	3000	1/26/10	870	3000	5/4/10	910	3200	7/27/10	1200	4200
			Propylene	11/9/09	ND	ND	1/26/10	ND	ND	5/4/10	ND	ND	7/27/10	69 (J)	120 (J)
			Tetrachloroethene	11/9/09	380	2600	1/26/10	430	2900	5/4/10	350	2400	7/27/10	480	3300
			Toluene	11/9/09	79	300	1/26/10	70	260	5/4/10	92	350	7/27/10	100	380
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/9/09	5000	39,000	1/26/10	5900	45,000	5/4/10	5500	42,000	7/27/10	7200	55,000
			Trichloroethane[1,1,1-]	11/9/09	12,000	67,000	1/26/10	13,000	71,000	5/4/10	13,000	70,000	7/27/10	14,000	74,000
			Trichloroethene	11/9/09	5400	29,000	1/26/10	6400	34,000	5/4/10	5700	30,000	7/27/10	8000	43,000
			Trichlorofluoromethane	11/9/09	870	4900	1/26/10	980	5500	5/4/10	880	4900	7/27/10	1200	6800
54-27643	30	27.5–32.5	Carbon tetrachloride	11/10/09	300	1900	2/3/10	400	2500	4/26/10	260	1600	8/17/10	280	1800
			Chloroform	11/10/09	1800	8800	2/3/10	2300	11,000	4/26/10	1700	8300	8/17/10	1900	9100
			Dichlorodifluoromethane	11/10/09	88	440	2/3/10	120	580	4/26/10	ND	ND	8/17/10	ND	ND
			Dichloroethane[1,1-]	11/10/09	1200	4900	2/3/10	1500	6000	4/26/10	1200	5000	8/17/10	1300	5200
			Dichloroethane[1,2-]	11/10/09	900	3700	2/3/10	1200	4700	4/26/10	840	3400	8/17/10	840	3400
			Dichloroethene[1,1-]	11/10/09	2200	8800	2/3/10	2400	9500	4/26/10	1600	6400	8/17/10	1600	6400
			Dichloropropane[1,2-]	11/10/09	4800	22,000	2/3/10	6300	29,000	4/26/10	4200	19,000	8/17/10	4900	22,000
			Tetrachloroethene	11/10/09	2800	19,000	2/3/10	3400	23,000	4/26/10	2100	14,000	8/17/10	2800	19,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/09	13,000	97,000	2/3/10	16,000	120,000	4/26/10	16,000	120,000	8/17/10	17,000	130,000
			Trichloroethane[1,1,1-]	11/10/09	62,000	340,000	2/3/10	73,000	400,000	4/26/10	61,000	330,000	8/17/10	59,000	320,000
			Trichloroethane[1,1,2-]	11/10/09	ND	ND	2/3/10	160	880	4/26/10	ND	ND	8/17/10	120	660
			Trichloroethene	11/10/09	11,000	60,000	2/3/10	15,000	79,000	4/26/10	10,000	57,000	8/17/10	12,000	65,000
			Trichlorofluoromethane	11/10/09	850	4800	2/3/10	1000	5900	4/26/10	860	4800	8/17/10	680	3800
	74	71.5–76.5	Benzene	11/10/09	210	680	2/3/10	260	840	4/26/10	230	750	8/17/10	240	770
			Carbon tetrachloride	11/10/09	400	2600	2/3/10	490	3100	4/26/10	370	2300	8/17/10	440	2800
			Chlorobenzene	11/10/09	160	720	2/3/10	180	840	4/26/10	ND	ND	8/17/10	170	800
			Chloroform	11/10/09	2500	12,000	2/3/10	3100	15,000	4/26/10	2900	14,000	8/17/10	2900	14,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	74	71.5–76.5	Dichlorodifluoromethane	11/10/09	ND	ND	2/3/10	170	860	4/26/10	ND	ND	8/17/10	130	670
			Dichloroethane[1,1-]	11/10/09	1500	6100	2/3/10	1800	7200	4/26/10	1700	6900	8/17/10	1600	6700
			Dichloroethane[1,2-]	11/10/09	1900	7700	2/3/10	2300	9400	4/26/10	2200	8700	8/17/10	2000	8200
			Dichloroethene[1,1-]	11/10/09	3300	13,000	2/3/10	3600	14,000	4/26/10	3100	12,000	8/17/10	3100	12,000
			Dichloropropane[1,2-]	11/10/09	6000	28,000	2/3/10	7600	35,000	4/26/10	7000	32,000	8/17/10	7300	34,000
			Ethanol	11/10/09	ND	ND	2/3/10	1100	2100	4/26/10	ND	ND	8/17/10	ND	ND
			Methylene chloride	11/10/09	1300	4500	2/3/10	1300	4700	4/26/10	1400	4700	8/17/10	1100	4000
			Tetrachloroethene	11/10/09	3400	23,000	2/3/10	3900	27,000	4/26/10	3500	24,000	8/17/10	3700	25,000
			Tetrahydrofuran	11/10/09	5600	16,000	2/3/10	6700	20,000	4/26/10	5700	17,000	8/17/10	4900	14,000
			Toluene	11/10/09	270	1000	2/3/10	340	1300	4/26/10	280	1100	8/17/10	270	1000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/09	12,000	92,000	2/3/10	14,000	110,000	4/26/10	15,000	120,000	8/17/10	17,000	130,000
			Trichloroethane[1,1,1-]	11/10/09	79,000	430,000	2/3/10	91,000	500,000	4/26/10	92,000	500,000	8/17/10	88,000	480,000
			Trichloroethane[1,1,2-]	11/10/09	ND	ND	2/3/10	190	1000	4/26/10	ND	ND	8/17/10	180	1000
			Trichloroethene	11/10/09	16,000	88,000	2/3/10	20,000	110,000	4/26/10	19,000	100,000	8/17/10	20,000	100,000
			Trichlorofluoromethane	11/10/09	1500	8400	2/3/10	1700	9500	4/26/10	1600	9000	8/17/10	1300	7300
			Xylene[1,2-]	11/10/09	260	1200	2/3/10	270	1200	4/26/10	260	1100	8/17/10	220	980
	117	114.5–119.5	Benzene	11/10/09	410	1300	2/3/10	380	1200	4/26/10	390	1200	8/17/10	400	1300
			Carbon tetrachloride	11/10/09	460	2900	2/3/10	460	2900	4/26/10	480	3000	8/17/10	490	3100
			Chlorobenzene	11/10/09	210	960	2/3/10	180	810	4/26/10	ND	ND	8/17/10	220	1000
			Chloroform	11/10/09	3200	16,000	2/3/10	3100	15,000	4/26/10	3300	16,000	8/17/10	3300	16,000
			Dichlorodifluoromethane	11/10/09	210	1000	2/3/10	200	970	4/26/10	ND	ND	8/17/10	210	1000
			Dichloroethane[1,1-]	11/10/09	1600	6500	2/3/10	1500	6100	4/26/10	1800	7100	8/17/10	1700	7100
			Dichloroethane[1,2-]	11/10/09	2600	10,000	2/3/10	2500	10,000	4/26/10	2500	10,000	8/17/10	2300	9300
			Dichloroethene[1,1-]	11/10/09	5600	22,000	2/3/10	4600	18,000	4/26/10	4900	19,000	8/17/10	5100	20,000
			Dichloropropane[1,2-]	11/10/09	6100	28,000	2/3/10	5800	27,000	4/26/10	5700	26,000	8/17/10	7300	34,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	117	114.5–119.5	Ethanol	11/10/09	ND	ND	2/3/10	1400	2700	4/26/10	ND	ND	8/17/10	ND	ND
			Methylene chloride	11/10/09	4100	14,000	2/3/10	3300	11,000	4/26/10	3800	13,000	8/17/10	3900	14,000
			Tetrachloroethene	11/10/09	3400	23,000	2/3/10	3100	21,000	4/26/10	2500	17,000	8/17/10	3800	26,000
			Tetrahydrofuran	11/10/09	660	1900	2/3/10	600	1800	4/26/10	660	1900	8/17/10	690	2000
			Toluene	11/10/09	770	2900	2/3/10	700	2600	4/26/10	590	2200	8/17/10	740	2800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/09	13,000	98,000	2/3/10	12,000	92,000	4/26/10	15,000	110,000	8/17/10	16,000	120,000
			Trichloroethane[1,1,1-]	11/10/09	87,000	480,000	2/3/10	80,000	440,000	4/26/10	97,000	530,000	8/17/10	92,000	500,000
			Trichloroethane[1,1,2-]	11/10/09	ND	ND	2/3/10	130	720	4/26/10	ND	ND	8/17/10	160	900
			Trichloroethene	11/10/09	21,000	110,000	2/3/10	20,000	110,000	4/26/10	21,000	110,000	8/17/10	25,000	130,000
			Trichlorofluoromethane	11/10/09	2300	13,000	2/3/10	2000	11,000	4/26/10	2300	13,000	8/17/10	2200	12,000
			Xylene[1,2-]	11/10/09	460	2000	2/3/10	340	1500	4/26/10	250	1100	8/17/10	400	1700
	167	164.5–169.5	Benzene	11/10/09	630	2000	2/3/10	720	2300	4/26/10	590	1900	8/17/10	640	2000
			Carbon tetrachloride	11/10/09	600	3800	2/3/10	680	4200	4/26/10	490	3100	8/17/10	560	3500
			Chlorobenzene	11/10/09	140	670	2/3/10	170	800	4/26/10	ND	ND	8/17/10	150	700
			Chloroform	11/10/09	3600	18,000	2/3/10	4000	20,000	4/26/10	3400	17,000	8/17/10	3600	18,000
			Dichlorodifluoromethane	11/10/09	330	1600	2/3/10	330	1600	4/26/10	300	1500	8/17/10	300	1500
			Dichloroethane[1,1-]	11/10/09	1400	5700	2/3/10	1500	6000	4/26/10	1300	5300	8/17/10	1400	5800
			Dichloroethane[1,2-]	11/10/09	2100	8700	2/3/10	2400	9800	4/26/10	2100	8400	8/17/10	1900	7900
			Dichloroethene[1,1-]	11/10/09	8400	34,000	2/3/10	8300	33,000	4/26/10	6900	27,000	8/17/10	7700	31,000
			Dichloropropane[1,2-]	11/10/09	4100	19,000	2/3/10	4800	22,000	4/26/10	3900	18,000	8/17/10	4600	21,000
			Ethanol	11/10/09	ND	ND	2/3/10	760	1400	4/26/10	ND	ND	8/17/10	ND	ND
			Hexane	11/10/09	270	950	2/3/10	270	940	4/26/10	230	820	8/17/10	230	820
			Methylene chloride	11/10/09	9300	32,000	2/3/10	8400	29,000	4/26/10	8100	28,000	8/17/10	9200	32,000
			Tetrachloroethene	11/10/09	2500	17,000	2/3/10	3100	21,000	4/26/10	2600	18,000	8/17/10	2800	19,000
			Toluene	11/10/09	1300	5000	2/3/10	1500	5600	4/26/10	1300	4900	8/17/10	1300	4900

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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.)	167	164.5–169.5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/09	15,000	120,000	2/3/10	16,000	120,000	4/26/10	14,000	110,000	8/17/10	17,000	130,000
			Trichloroethane[1,1,1-]	11/10/09	84,000	460,000	2/3/10	90,000	490,000	4/26/10	82,000	450,000	8/17/10	84,000	460,000
			Trichloroethene	11/10/09	23,000	120,000	2/3/10	28,000	150,000	4/26/10	24,000	130,000	8/17/10	25,000	130,000
			Trichlorofluoromethane	11/10/09	3100	18,000	2/3/10	3200	18,000	4/26/10	2800	16,000	8/17/10	2900	16,000
			Xylene[1,2-]	11/10/09	300	1300	2/3/10	380	1600	4/26/10	360	1600	8/17/10	280	1200
	275	272.5–277.5	Benzene	11/10/09	440	1400	2/3/10	470	1500	4/26/10	520	1700	8/17/10	460	1500
			Carbon tetrachloride	11/10/09	480	3000	2/3/10	530	3400	4/26/10	510	3200	8/17/10	430	2700
			Chloroform	11/10/09	1700	8400	2/3/10	1900	9100	4/26/10	2000	9700	8/17/10	1700	8400
			Dichlorodifluoromethane	11/10/09	370	1800	2/3/10	380	1900	4/26/10	390	1900	8/17/10	280	1400
			Dichloroethane[1,1-]	11/10/09	520	2100	2/3/10	540	2200	4/26/10	580	2300	8/17/10	530	2100
			Dichloroethane[1,2-]	11/10/09	100	420	2/3/10	110	450	4/26/10	130	510	8/17/10	90	370
			Dichloroethene[1,1-]	11/10/09	9000	36,000	2/3/10	9000	36,000	4/26/10	9500	38,000	8/17/10	8200	32,000
			Dichloropropane[1,2-]	11/10/09	540	2500	2/3/10	590	2700	4/26/10	640	2900	8/17/10	550	2500
			Hexane	11/10/09	370	1300	2/3/10	360	1200	4/26/10	370	1300	8/17/10	340	1200
			Methylene chloride	11/10/09	5800	20,000	2/3/10	5400	19,000	4/26/10	6200	21,000	8/17/10	5600	20,000
			Tetrachloroethene	11/10/09	1400	9200	2/3/10	1400	9800	4/26/10	1600	11,000	8/17/10	1200	8500
			Toluene	11/10/09	400	1500	2/3/10	400	1500	4/26/10	370	1400	8/17/10	310	1200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/09	13,000	100,000	2/3/10	13,000	100,000	4/26/10	15,000	110,000	8/17/10	13,000	98,000
			Trichloroethane[1,1,1-]	11/10/09	40,000	220,000	2/3/10	41,000	220,000	4/26/10	47,000	260,000	8/17/10	36,000	200,000
			Trichloroethene	11/10/09	15,000	79,000	2/3/10	16,000	89,000	4/26/10	18,000	97,000	8/17/10	15,000	79,000
			Trichlorofluoromethane	11/10/09	2400	14,000	2/3/10	2400	14,000	4/26/10	2600	15,000	8/17/10	2000	11,000
	354	351.5–356.5	Benzene	11/10/09	140	460	2/3/10	150	480	4/26/10	120	380	8/17/10	160	530
			Carbon tetrachloride	11/10/09	210	1300	2/3/10	210	1300	4/26/10	160	1000	8/17/10	200	1300
			Chloroform	11/10/09	230	1100	2/3/10	240	1200	4/26/10	200	960	8/17/10	240	1200
			Dichlorodifluoromethane	11/10/09	210	1000	2/3/10	210	1000	4/26/10	150	750	8/17/10	170	840

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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	Dichloroethane[1,1-]	11/10/09	76	300	2/3/10	77	310	4/26/10	65	260	8/17/10	82	330
			Dichloroethene[1,1-]	11/10/09	4200	17,000	2/3/10	4000	16,000	4/26/10	3200	13,000	8/17/10	4400	18,000
			Dichloropropane[1,2-]	11/10/09	16	72	2/3/10	18	82	4/26/10	ND	ND	8/17/10	17	77
			Hexane	11/10/09	190	680	2/3/10	180	630	4/26/10	120	420	8/17/10	150	530
			Methylene chloride	11/10/09	580	2000	2/3/10	540	1900	4/26/10	490	1700	8/17/10	640	2200
			Propylene	11/10/09	ND	ND	2/3/10	ND	ND	4/26/10	ND	ND	8/17/10	50	86
			Tetrachloroethene	11/10/09	340	2300	2/3/10	320	2200	4/26/10	280	1900	8/17/10	360	2400
			Toluene	11/10/09	60	220	2/3/10	55	210	4/26/10	40	150	8/17/10	59	220
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	11/10/09	4500	35,000	2/3/10	4700	36,000	4/26/10	3700	29,000	8/17/10	5200	40,000
			Trichloroethane[1,1,1-]	11/10/09	9300	51,000	2/3/10	9200	50,000	4/26/10	7700	42,000	8/17/10	8800	48,000
			Trichloroethene	11/10/09	3800	20,000	2/3/10	4100	22,000	4/26/10	3400	18,000	8/17/10	4200	23,000
			Trichlorofluoromethane	11/10/09	790	4400	2/3/10	770	4300	4/26/10	610	3400	8/17/10	820	4600
54-610786	25	22.5–27.5	Carbon tetrachloride	12/22/09	340	2200	2/5/10	200	1200	4/26/10	ND	ND	8/20/10	230	1400
			Chloroform	12/22/09	2300	11,000	2/5/10	1400	7100	4/26/10	1800	9000	8/20/10	2200	10,000
			Dichlorodifluoromethane	12/22/09	ND	ND	2/5/10	94	470	4/26/10	ND	ND	8/20/10	100	510
			Dichloroethane[1,1-]	12/22/09	2000	8200	2/5/10	1300	5100	4/26/10	1600	6300	8/20/10	1600	6500
			Dichloroethane[1,2-]	12/22/09	1100	4400	2/5/10	990	4000	4/26/10	1000	4200	8/20/10	1100	4600
			Dichloroethene[1,1-]	12/22/09	2700	10,000	2/5/10	1700	6700	4/26/10	1500	5900	8/20/10	1600	6200
			Dichloropropane[1,2-]	12/22/09	5800	27,000	2/5/10	4200	19,000	4/26/10	3900	18,000	8/20/10	5300	24,000
			Tetrachloroethene	12/22/09	4400	30,000	2/5/10	2300	16,000	4/26/10	2600	17,000	8/20/10	3300	22,000
			Tetrahydrofuran	12/22/09	430	1200	2/5/10	ND	ND	4/26/10	ND	ND	8/20/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	12/22/09	33,000	250,000	2/5/10	19,000	150,000	4/26/10	28,000	210,000	8/20/10	28,000	210,000
			Trichloroethane[1,1,1-]	12/22/09	91,000	490,000	2/5/10	50,000	270,000	4/26/10	68,000	370,000	8/20/10	62,000	340,000
			Trichloroethane[1,1,2-]	12/22/09	ND	ND	2/5/10	ND	ND	4/26/10	ND	ND	8/20/10	140	740
			Trichloroethene	12/22/09	18,000	97,000	2/5/10	10,000	54,000	4/26/10	13000	70,000	8/20/10	15,000	80,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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)
54-610786 (cont.)	25	22.5–27.5	Trichlorofluoromethane	12/22/09	900	5000	2/5/10	530	3000	4/26/10	660	3700	8/20/10	580	3200
	100	97.5–102.5	Benzene	12/22/09	400	1300	2/5/10	360	1200	4/26/10	350	1100	8/20/10	400	1300
			Carbon tetrachloride	12/22/09	540	3400	2/5/10	510	3200	4/26/10	420	2600	8/20/10	440	2700
			Chlorobenzene	12/22/09	350	1600	2/5/10	330	1500	4/26/10	ND	ND	8/20/10	290	1300
			Chloroform	12/22/09	3400	17,000	2/5/10	3200	16,000	4/26/10	3100	15,000	8/20/10	3000	15,000
			Dichlorodifluoromethane	12/22/09	ND	ND	2/5/10	200	1000	4/26/10	ND	ND	8/20/10	190	930
			Dichloroethane[1,1-]	12/22/09	2200	8800	2/5/10	2000	8200	4/26/10	2000	8300	8/20/10	2000	8100
			Dichloroethane[1,2-]	12/22/09	2800	11,000	2/5/10	2600	11,000	4/26/10	2400	9800	8/20/10	2300	9500
			Dichloroethene[1,1-]	12/22/09	5100	20,000	2/5/10	4700	18,000	4/26/10	3900	15,000	8/20/10	4100	16,000
			Dichloropropane[1,2-]	12/22/09	7900	36,000	2/5/10	7500	34,000	4/26/10	6600	30,000	8/20/10	7400	34,000
			Methylene chloride	12/22/09	4800	17,000	2/5/10	3900	14,000	4/26/10	3800	13,000	8/20/10	3900	14,000
			Tetrachloroethene	12/22/09	4700	32,000	2/5/10	4400	30,000	4/26/10	3200	22,000	8/20/10	4000	27,000
			Tetrahydrofuran	12/22/09	9400	28,000	2/5/10	10,000	30,000	4/26/10	9400	28,000	8/20/10	8800	26,000
			Toluene	12/22/09	950	3600	2/5/10	830	3100	4/26/10	560	2100	8/20/10	540	2000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	12/22/09	17,000	130,000	2/5/10	17,000	130,000	4/26/10	17,000	130,000	8/20/10	21,000	160,000
			Trichloroethane[1,1,1-]	12/22/09	110,000	590,000	2/5/10	99,000	540,000	4/26/10	100,000	570,000	8/20/10	98,000	530,000
			Trichloroethane[1,1,2-]	12/22/09	ND	ND	2/5/10	ND	ND	4/26/10	ND	ND	8/20/10	170	920
			Trichloroethene	12/22/09	26,000	140,000	2/5/10	25,000	130,000	4/26/10	22,000	120,000	8/20/10	24,000	130,000
			Trichlorofluoromethane	12/22/09	2000	12,000	2/5/10	1900	11,000	4/26/10	1800	9900	8/20/10	1700	9600
			Xylene[1,2-]	12/22/09	540	2400	2/5/10	480	2100	4/26/10	300	1300	8/20/10	330	1400
			Xylene[1,3-]+ xylene[1,4-]	12/22/09	250	1100	2/5/10	160	710	4/26/10	ND	ND	8/20/10	ND	ND
	118.5	116–121	Benzene	12/22/09	530	1700	2/5/10	490	1600	4/26/10	420	1400	8/20/10	460	1500
			Carbon tetrachloride	12/22/09	630	4000	2/5/10	610	3800	4/26/10	460	2900	8/20/10	490	3100
			Chlorobenzene	12/22/09	340	1500	2/5/10	320	1500	4/26/10	ND	ND	8/20/10	290	1300
			Chloroform	12/22/09	4000	20,000	2/5/10	3700	18,000	4/26/10	3500	17,000	8/20/10	3400	17,000

Table 5.0-1 (cont.)

Borehole ID	Port Dept (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte	1st Quarter FY2010			2nd Quarter FY2010			3rd Quarter FY2010			4th Quarter FY2010		
				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)
54-610786	118.5	116–121	Dichlorodifluoromethane	12/22/09	240	1200	2/5/10	240	1200	4/26/10	ND	ND	8/20/10	220	1100
			Dichloroethane[1,1-]	12/22/09	2300	9300	2/5/10	2100	8400	4/26/10	2000	8000	8/20/10	2100	8400
			Dichloroethane[1,2-]	12/22/09	3300	13,000	2/5/10	3100	12,000	4/26/10	2900	12,000	8/20/10	2600	11,000
			Dichloroethene[1,1-]	12/22/09	6700	26,000	2/5/10	6200	24,000	4/26/10	5100	20,000	8/20/10	5200	21,000
			Dichloropropane[1,2-]	12/22/09	7900	36,000	2/5/10	7600	35,000	4/26/10	6600	30,000	8/20/10	7300	34,000
			Methylene chloride	12/22/09	7400	26,000	2/5/10	5900	20,000	4/26/10	5800	20,000	8/20/10	5800	20,000
			Tetrachloroethene	12/22/09	4500	30,000	2/5/10	4200	28,000	4/26/10	3000	21,000	8/20/10	4000	27,000
			Tetrahydrofuran	12/22/09	4400	13,000	2/5/10	4400	13,000	4/26/10	3800	11,000	8/20/10	3800	11,000
			Toluene	12/22/09	1200	4300	2/5/10	1000	3800	4/26/10	700	2600	8/20/10	820	3100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	12/22/09	18,000	140,000	2/5/10	17,000	130,000	4/26/10	17,000	130,000	8/20/10	20,000	150,000
			Trichloroethane[1,1,1-]	12/22/09	110,000	620,000	2/5/10	100,000	570,000	4/26/10	110,000	600,000	8/20/10	100,000	560,000
			Trichloroethane[1,1,2-]	12/22/09	ND	ND	2/5/10	ND	ND	4/26/10	ND	ND	8/20/10	160	870
			Trichloroethene	12/22/09	30,000	160,000	2/5/10	28,000	150,000	4/26/10	24,000	130,000	8/20/10	26,000	140,000
			Trichlorofluoromethane	12/22/09	2700	15000	2/5/10	2400	13,000	4/26/10	2200	12,000	8/20/10	2200	12,000
			Xylene[1,2-]	12/22/09	540	2400	2/5/10	490	2100	4/26/10	330	1400	8/20/10	740	3200
			Xylene[1,3-]+ xylene[1,4-]	12/22/09	ND	ND	2/5/10	ND	ND	4/26/10	ND	ND	8/20/10	840	3700

Note: See Appendix A for data qualifier definitions.

[a] ND = Not detected.

[b] NS = Not sampled.

[c] Open borehole.

[d] Packer sample interval.

Table 5.0-2
Tritium Pore-Vapor Results at MDA L, Fourth Quarter FY2010 and Three Previous Quarters

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02001	40	37.5–42.5	11/2/09	ND[a]	2/1/10	518.773	4/19/10	634.062	8/6/10	471.222
	80	77.5–82.5	11/2/09	ND	2/2/10	2160.6	4/19/10	ND	8/6/10	696.33
	120	117.5–122.5	11/2/09	ND	2/2/10	501.919	4/19/10	2004.6	8/6/10	662.14
	140	137.5–142.5	11/2/09	ND	2/1/10	923.222	4/19/10	ND	8/6/10	305.185
54-02002	40	37.5–42.5	12/2/09	53,104.3	2/5/10	2306.14	4/27/10	1996.94	NS[b]	NS
	100	97.5–102.5	12/2/09	10,029.5	2/5/10	2654.9	4/27/10	3182.48	9/8/10	1942.66
	120	117.5–122.5	12/2/09	2520.8	2/5/10	2635.22	4/28/10	1013.94	9/1/10	1819.07
	180	177.5–182.5	12/2/09	3895.06	2/5/10	1994.63	NS	NS	9/1/10	432.168
	200	197.5–202.5	NS	NS	NS	NS	4/27/10	2780	NS	NS
54-02016	31	28.5–33.5	11/18/09	ND	1/27/10	1495.92	4/23/10	714.602	8/16/10	ND
	82	79.5–84.5	11/18/09	ND	1/27/10	1347.53	4/23/10	60,237.2	8/16/10	517.125
54-02021	20	10–30	11/13/09	1484.39	2/3/10	ND	4/2/10	667.791	8/3/10	ND
	100	90–110	11/16/09	718.687	2/3/10	ND	4/2/10	ND	8/3/10	ND
	120	110–130	11/16/09	518.181	NS	NS	4/2/10	1412.56	8/3/10	ND
	140	130–150	11/16/09	3477.03	2/3/10	ND	4/2/10	872.683	8/3/10	ND
	160	150–170	NS	NS	2/3/10	ND	NS	NS	NS	NS
54-02022	40	37.5–42.5	10/29/09	573.236	2/1/10	ND	4/9/10	ND	8/5/10	ND
	80	77.5–82.5	10/29/09	502.087	2/1/10	ND	4/9/10	ND	8/5/10	ND
	120	117.5–122.5	10/29/09	537.223	2/1/10	ND	4/9/10	ND	8/5/10	ND
	140	137.5–142.5	10/29/09	580.684	2/1/10	ND	4/9/10	ND	8/5/10	ND
54-02023	40	30–50	12/9/09	1801.75	2/11/10	696.266	5/11/10	ND	8/26/10	ND
	100	90–110	12/14/09	2004.19	2/11/10	ND	5/11/10	1828.7 (J)	8/26/10	ND
	120	110–130	NS	NS	NS	NS	NS	NS	8/26/10	ND
	140	130–149	12/14/09	ND	2/11/10	ND	5/11/10	952.578	NS	NS
	159	149–169	12/14/09	1657.4	2/11/10	ND	5/11/10	ND	8/26/10	ND

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02024	40	30–50	12/10/09	431,811	2/16/10	1290.61	5/12/10	ND	8/30/10	ND
	100	90–110	12/10/09	2155.6	2/16/10	602.412	5/12/10	ND	8/30/10	ND
	120	110–130	NS	NS	NS	NS	NS	NS	NS	NS
	140	130–150	12/10/09	2404.63	2/16/10	2257.46	5/12/10	ND	8/30/10	ND
	160	150–170	12/10/09	6182.1	2/16/10	499.175	5/12/10	ND	8/30/10	ND
54-02025	20	20	12/4/09	19,363.5	2/4/10	718.981	4/29/10	620.53	9/1/10	ND
	100	100	12/4/09	6525.95	2/4/10	386.349	4/29/10	380.254	9/1/10	ND
	160	160	12/4/09	1374.47	2/4/10	1229.59	4/29/10	1807.6	9/3/10	ND
54-02026	20	20	11/24/09	ND	2/9/10	558.096	5/10/10	ND	9/1/10	ND
	100	100	11/24/09	ND	2/9/10	323.373	5/10/10	ND	8/31/10	ND
	160	160	11/24/09	ND	2/9/10	1045.22	5/10/10	ND	8/31/10	ND
54-02027	20	20	12/9/09	ND	2/17/10	1105.42	4/30/10	ND	9/10/10	ND
	100	100	12/9/09	1418.36	2/17/10	ND	4/30/10	ND	9/10/10	ND
	200	200	12/9/09	2186.92	2/17/10	690.591	4/30/10	ND	9/10/10	ND
54-02028	20	20	12/11/09	ND	2/12/10	1024.88	5/7/10	ND	8/27/10	ND
	100	100	12/11/09	ND	2/12/10	ND	5/7/10	ND	8/27/10	ND
	160	160	12/11/09	ND	2/12/10	ND	5/7/10	ND	8/27/10	ND
54-02031	20	20	11/3/09	ND	2/4/10	ND	4/5/10	0.297943	8/2/10	ND
	100	100	11/3/09	ND	2/4/10	ND	4/5/10	0.35649	8/2/10	ND
	160	160	11/9/09	55,622.9	2/4/10	ND	4/5/10	ND	8/2/10	ND
	260	260	11/9/09	ND	2/4/10	ND	4/5/10	0.329487	8/2/10	ND
54-02034	20	20	10/28/09	55,237.7	2/2/10	ND	4/6/10	403.319	8/4/10	460.736
	60	60	10/28/09	14,105.2	2/2/10	ND	4/6/10	ND	8/4/10	ND
	160	160	10/28/09	ND	2/2/10	561.67	4/6/10	734.651	8/4/10	ND
	260	260	10/28/09	690.262	2/2/10	738.046	4/6/10	ND	8/4/10	434.022

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02034 (cont.)	300	300	10/28/09	885.114	2/3/10	ND	4/6/10	ND	8/4/10	ND
54-02089	31	31	11/19/09	4965.04	1/29/10	1616.78	4/22/10	3172.87	8/9/10	1129.77
	46	46	11/19/09	26,658.2	1/29/10	4228.19	4/22/10	27,430.9	8/9/10	424.46
54-24238	64	63–65	11/23/09	2.40836 (J)	2/1/10	5634.58	4/23/10	ND	8/10/10	3488.68
54-24239	25	24–26	11/10/09	ND	1/26/10	ND	6/9/10	ND	8/23/10	ND
	75	74–76	11/10/09	ND	1/26/10	3433.46	6/9/10	ND	8/23/10	ND
54-24240	28	27–29	11/13/09	6676.32 (J)	1/27/10	1502.93	4/20/10	ND	8/20/10	ND
	53	52–54	11/13/09	ND	1/27/10	896.098	4/20/10	ND	8/20/10	ND
	128	127–129	11/13/09	ND	1/27/10	807.474	4/20/10	ND	8/20/10	726.372
	153	152–154	11/13/09	ND	1/27/10	5072.11	4/20/10	ND	8/20/10	3742.4
54-24241	73	71–74	11/16/09	4751.14	2/19/10	ND	4/21/10	2210.08	8/25/10	2175.5
	113	112–114	11/16/09	2966.71	2/19/10	18,584.9	4/21/10	28,252.6	8/25/10	ND
	133	132–134	11/16/09	2936.72	2/19/10	ND	4/21/10	701.809	8/25/10	ND
54-24242	25	24–26	11/13/09	ND	1/26/10	1295.1	4/22/10	403.673	8/24/10	1141.51
	50	49–51	11/13/09	ND	1/26/10	1513.76	4/22/10	437.2	8/24/10	439.825
54-24243	25	24–26	11/24/09	282.482	2/18/10	139,418	6/9/10	4263.69	9/9/10	2657.37
	75	74–76	11/30/09	256,672	2/18/10	23,036.4	6/9/10	478,829	9/9/10	279,504
	125	124–126	11/30/09	41,352.4	2/18/10	4764.99	6/9/10	28,071.6	9/8/10	36,173.2
54-24399[d]	550	550–608[e]	12/7/09	ND	3/3/10	3051.52	4/22/10	727.995	8/18/10	615.379
54-27641	82	79.5–84.5	12/1/09	1091.88	1/28/10	982.806	4/20/10	ND	8/18/10	ND
	115	112.5–117.5	12/1/09	2797.26	1/28/10	395.527	4/20/10	565.522	8/18/10	ND
	182	179.5–184.5	12/1/09	9851.29	1/28/10	314.012	4/20/10	452.307	8/18/10	ND
	271	268.5–273.5	12/1/09	ND	1/28/10	1056.52	4/20/10	ND	8/18/10	447.781
	332.5	330–335	12/1/09	1575.24	1/28/10	547.31	4/20/10	ND	8/18/10	427.312

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	1st Quarter FY2010		2nd Quarter FY2010		3rd Quarter FY2010		4th Quarter FY2010	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-27642	30	27.5–32.5	11/24/09	ND	1/28/10	610.903	4/26/10	576.941	8/13/10	ND
	75	71.5–76.5	11/24/09	3.55463 (J)	1/28/10	1801.42	4/26/10	3572.51	8/13/10	ND
	116	114.5–119.5	11/24/09	7.91554 (J)	1/28/10	2635.87	4/26/10	572.655	8/13/10	ND
	175	172.5–177.5	11/24/09	ND	1/28/10	606.867	4/26/10	683.676	8/13/10	ND
	275	272.5–277.5	11/24/09	ND	1/28/10	846.86	4/26/10	470.653	8/13/10	ND
	338	335.5–340.5	11/24/09	ND	1/28/10	495.377	4/26/10	306.363	8/13/10	ND
54-27643	30	27.5–32.5	12/4/09	4012.43	2/10/10	765.518	6/7/10	345.34	9/13/10	514.437
	74	71.5–76.5	12/4/09	319,326	2/10/10	1609.72	6/7/10	388.395	9/13/10	657.371
	117	114.5–119.5	12/7/09	6600.53	2/10/10	981.228	6/7/10	ND	9/13/10	572.187
	167	164.5–169.5	12/7/09	13,471.7	2/10/10	881.572	6/7/10	304.413	9/13/10	596.509
	275	272.5–277.5	12/4/09	7765.12	2/10/10	1271.58	6/7/10	383.143	9/13/10	418.056
	354	351.5–356.5	12/7/09	1755.66	2/10/10	ND	6/7/10	ND	9/13/10	1428.85
54-610786	25	22.5–27.5	12/24/09	ND	2/8/10	495.426	5/14/10	ND	9/10/10	867.183
	100	97.5–102.5	12/24/09	319.477	2/8/10	465.578	5/14/10	ND	9/10/10	745.961
	118.5	116–121	12/24/09	ND	2/8/10	1197.04	5/14/10	ND	9/10/10	630.257

[a] ND = Not detected.

[b] NS = Not sampled.

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

[d] Open borehole.

[e] Packer sample interval.

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
DCE	1,1-dichloroethylene
DER	duplicate error ratio
EPA	Environmental Protection Agency (U.S.)
FY	fiscal year
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
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act
RPD	relative percent difference
RPF	Records Processing Facility
SL	screening level
SOP	standard operating procedure
SOW	statement of work
SV	screening value
SWMU	solid waste management unit
TA	technical area
TCA	1,1,1-trichloroethane
TCE	trichloroethene
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-(Godelitsas et al. 104090) 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).

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 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, Sample Control and Field Documentation, 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 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 (e.g., light, pressure, or temperature,

chemical factors (e.g., changes in pH or volatilization), 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 determining analyte identification.

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 analyte concentration changes that might occur during storage of the extract and 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] $\times$ 100%, where D1 and D2 represent analytical measurements on duplicate samples.

For radionuclides, the duplicate error ratio (DER) is also used to quantify precision. The DER is defined by the equation DER = $|S - D|/\mathrm{sqrt}((2\sigma_S)^2 + (2\sigma_D)^2)$, where S represents the original sample value, D represents the duplicate value, and $2\sigma_S$ and $2\sigma_D$ represent the 2-sigma uncertainties surrounding the original and duplicate samples, respectively. A DER below 3 indicates sample-to-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 fourth quarter of fiscal year (FY) 2010, 86 volatile organic compound (VOC) pore-gas samples, 11 field blank samples, 10 field duplicate samples were collected at Solid Waste Management Unit 54-006, also known as Material Disposal Area (MDA) L. Additionally, 86 tritium samples, 9 field blank samples, and 9 field duplicate samples were collected. Analysis of pore gas was conducted for VOCs using EPA Method TO-15, and analysis for tritium was conducted using EPA Method 906.0. Table B-2.0-1 lists the analytical methods used for VOC and tritium analyses. All QC procedures were followed, as required by the analytical services SOW (LANL 2000, 071233).

Sample locations, sampling ports, and validated analytical results are presented in Tables 5.0-1 and 5.0-2 of this periodic monitoring report. The data, including the qualified data, are usable for evaluation purposes. The entire data set meets the standards for use in this report.

The tritium and VOC analyses are summarized in the following sections. The required minimum detectable activity or estimated quantitation limit is prescribed in the analytical services SOW (LANL 2000, 071233).

B-3.0 ORGANIC CHEMICAL ANALYSES

No VOC data were qualified as rejected (R).

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

Eighty-nine 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.

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

One VOC result was qualified as not detected (U) because the mass spectrum did not meet specifications.

B-3.7 Method Blank

Method blank results were within acceptable limits.

B-3.8 Surrogate Recoveries

All surrogate recoveries were within acceptable limits.

B-3.9 Internal Standard Responses

All internal standard responses were within acceptable limits.

B-3.10 Laboratory Control Sample Recoveries

The LCS percent recoveries were within acceptable limits for all results.

B-3.11 Laboratory and Field Duplicates

Laboratory duplicates indicated acceptable precision.

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

B-3.12 Field Blanks

There were no VOC analyte detects in any of the 11 field blanks.

B-4.0 RADIONUCLIDE ANALYSES

No tritium results were rejected.

B-4.1 Maintenance of Chain of Custody

One tritium sample collected at borehole 54-02002 from 40 ft below ground surface could not be analyzed because the chain-of-custody label became separated from the sample column during transport. This sample could not be reliably identified for analyses.

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

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

B-4.6 Method Blanks

Three 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.

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. One field duplicate and its associated sample result had an RPD greater than 35%.

B-4.9 Field Blanks

Three field blanks had detectable levels of tritium. The blanks collected at boreholes 54-02022, 54-24241, and 54-27642 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 Subsurface Vapor. This procedure covers the use of the B&K Type 1302 multigas analyzer and the LANDTEC GEM-500 gas detector.

The B&K analyzer is maintained through calibration and changing or cleaning 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 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 fourth quarter FY 2010 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 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), which is the frequency specific to hydrocarbon bonds. LANDTEC instruments are calibrated using certified CH_4 mixtures and will give correct readings provided that 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. Oxygen is expected to read 20.9%. The LANDTEC reads with an accuracy of ±1% over the range of 0% to 25% O_2.

Data generated using the LANDTEC GEM-500 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. Calibration information is reported below for the LANDTEC used to generate results presented in this periodic monitoring report.

- Unit 903 was calibrated on June 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 21.0%. 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, Field Quality Control Samples.

Silica gel was prepared for sampling by drying at a temperature above 100°C. This drying removes moisture from the silica gel but does not remove bound water, which is accounted for. Before sample collection, the amount of silica gel used in each sample was weighed (typically approximately 135 g). The sample canister with silica gel was also weighed before sampling. SOP-5074 requires that at least 5 g of moisture be collected. After sampling, the sample canister with silica gel was weighed again to verify that 5 g of water vapor had been collected.

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, thereby 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)

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

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

Godelitsas, A., J.M. Astilleros, K. Hallam, S. Harissopoulos, and A. Putnis, August 2003. "Interaction of Calcium Carbonates with Lead in Aqueous Solutions," *Environmental Science & Technology,* Vol. 37, No. 15, pp. 3351–3360. (Godelitsas et al. 2003, 104090)

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

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

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

Table B-5.1-1 (continued)

Target	Potentially Interfering Analyte
Freon-11	Chloropicrine
Freon-11	Cyclohexane
Freon-11	Dimethylnitrosamine
Freon-11	Epichlorohydrine
Freon-11	Ethane
Freon-11	Ethylene oxide
Freon-11	Ethyl formate
Freon-11	2-Nitropropane
Freon-11	Phosgene
Freon-11	Vinyl acetate
TCA	Fluorobenzene
TCA	Ethyl benzene
TCA	Dimethyl formamide
TCA	Dichloromethane
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)