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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,  
Second Quarter Fiscal Year 2010**


Prepared by the Environmental Programs Directorate

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

July 2010

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## EXECUTIVE SUMMARY

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

Monitoring conducted at MDA L during the second quarter of FY2010 included field screening of 179 of 187 ports in 26 of 27 pore-gas monitoring boreholes and 1 open borehole. Samples were collected for VOC and tritium analyses from 85 ports in 24 pore-gas monitoring boreholes and the open borehole.

The sampling results for the second 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 32 and 160 ft below ground surface (bgs), and then decreased to the total depths of the boreholes. VOC concentrations in the eastern source area primarily increased from the surface to depths between 75 and 200 ft bgs. Boreholes that extend deeper in the eastern source area had VOC concentrations that decreased with depth after 200 ft bgs. Tritium activities varied with depth and location. Analytical vapor-monitoring results from the deepest interval sampled at borehole 54-24399 indicate that there is no immediate threat to groundwater from the VOC or tritium source areas.



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## 1.0 INTRODUCTION

This periodic monitoring report presents the results of vapor-monitoring activities conducted during the second quarter of fiscal year (FY) 2010 at Material Disposal Area (MDA) L, Solid Waste Management Unit (SWMU) 54-006, in Technical Area 54 (TA-54) at Los Alamos National Laboratory (LANL or the Laboratory). Vapor-monitoring activities were conducted in accordance with the approved vapor-monitoring plan (NMED 2007, 098999).

MDA L is located in the east-central portion of the Laboratory (Figure 1.0-1) on Mesita del Buey. It consists of 1 inactive subsurface disposal pit (Pit A), 3 inactive subsurface treatment and disposal impoundments (Impoundments B, C, and D), and 34 inactive disposal shafts (shafts 1 to 34). Although no longer in use, impoundments B, 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 Quarternary unit (Qbt) 2 of the Tshirege Member of the Bandelier Tuff at MDA L. The disposal sites are shown in Figure 1.0-2. The subsurface disposal units range in depth from 10 to 65 ft below the original ground surface. The pit, impoundments, and shafts are unlined. The bottoms of the pit and impoundments were level, so liquid could spread over the entire surface area to facilitate evaporation. After they were decommissioned, the pit and impoundments were filled and covered with clean, crushed consolidated tuff. The bottom of each shaft was covered with 3 ft of crushed tuff to seal cracks and joints, and a steel cap was placed over the opening 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 March 1, 2005, Compliance Order on Consent (the Consent Order) required pore-gas monitoring during the site investigations for all MDAs and required the submittal of a long-term, pore-gas monitoring plan for each MDA.
- In September 2005, the Laboratory submitted a proposed long-term monitoring plan for pore gas in Appendix I of the MDA L investigation report (LANL 2005, 092591).
- During June and July 2006, a soil-vapor extraction pilot study was conducted at MDA L (LANL 2006, 094152). An estimated 800 lb of VOCs was removed from the eastern and western source areas.
- During February and March 2007, three boreholes were drilled into the basalt beneath MDA L, the core from each borehole was analyzed, and the boreholes were constructed as vapor-monitoring wells to characterize the VOC plume.
- In July 2007, the Laboratory received an approval with direction from NMED regarding the long-term subsurface vapor-monitoring plan, provided as Appendix I to the MDA L investigation report, requiring the Laboratory to submit a table indicating locations and port depths to be sampled (NMED 2007, 098409).
- In August 2007, the Laboratory submitted the "Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area L at Technical Area 54" (LANL 2007, 098712), which included a table indicating locations and port depths to be sampled during pore-gas monitoring activities for FY2008.
- In September 2007, the Laboratory received a notice of disapproval (NOD) pertaining to the August 2007 interim plan (NMED 2007, 098559).
- In October 2007, the Laboratory submitted the "Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area L at Technical Area 54, Revision 1" (LANL 2007, 099372), addressing NMED's directions provided in the September 2007 NOD.
- In November 2007, the Laboratory received an approval with modifications of the revised interim monitoring plan (NMED 2007, 098999). The modifications required increasing the number of boreholes to be screened and sampled.
- In January 2008, the Laboratory submitted a proposed long-term, subsurface vapor-monitoring plan for MDA L in Appendix H of the MDA L corrective measure evaluation plan (LANL 2008, 101718).

- In May 2008, in response to NMED comments on the MDA L subsurface vapor-monitoring plan (McInroy 2008, 104475), the Laboratory submitted a revised table of pore-gas monitoring locations to NMED. Samples for VOCs and tritium are to be collected in each geologic unit. Where two or more ports are constructed in the same geologic unit, the port closest to the base of the disposal pits is to be sampled. Approved pore-gas monitoring locations, port depths, and corresponding sampling intervals are presented in Table 1.0-1.
- On September 16, 2009, NMED sent a letter to the Laboratory allowing the abandonment of collapsed borehole 54-24244 and the drilling of a new borehole, 54-610786, approximately 17 ft to the south and to the same depth as 54-24244.
- Borehole 54-610786 was drilled and completed as a vapor monitoring well during December 2009. Three new pore-gas monitoring ports in borehole 54-610786 replace the three previously approved pore-gas monitoring ports in borehole 54-24244 (Table 1.0-1). Borehole 54-24244 was plugged and abandoned during January 2010.

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

Analyses of the pore-gas monitoring data indicate there are two 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.

Second quarter FY2010 vapor-monitoring activities were conducted from January 25 to March 3, 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 EP-ERSS-5074. Sampling intervals are shown in Table 2.0-1.
- Pore gas from each accessible sample interval was field screened for carbon dioxide (CO<sub>2</sub>) and oxygen (O<sub>2</sub>) using a LANDTEC GEM-500 and for selected VOCs, CO<sub>2</sub>, and water vapor using a Brüel and Kjær (B&K) Type 1302 multigas photoacoustic analyzer. Pressure differential (kPa) was also measured at each accessible instrumented interval 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 as bolded depth intervals.
- 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 as bolded depth intervals.
- A total of 179 ports in 26 boreholes and 1 open borehole (location 54-24399 at the depth interval of 550 to 608 ft bgs) were field screened for VOCs using the LANDTEC and B&K analyzer.
- A total of 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 sample 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 sample interval in borehole 54-24399.

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

## 2.1 Second 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 second quarter FY2010 sampling activities.

- Tritium and VOC samples could not be collected from the 120-ft port at borehole 54-02021 because this port was blocked. A tritium sample and a VOC sample were collected from the next available port below, at a depth of 160 ft, in addition to the samples collected from the other three NMED-required depths (20 ft, 100 ft, and 140 ft) at this borehole.
- Tritium and VOC samples could not be collected from the 120-ft port at borehole 54-02023 because this port was blocked. A tritium sample and a VOC sample were collected from the next available port below, at a depth of 140 ft, in addition to the samples collected from the other three NMED-required depths (40 ft, 100 ft, and 159 ft) at this borehole.
- Tritium and VOC samples were not collected from the 120-ft port depth at borehole 54-02024 because this port was blocked. A tritium sample and VOC sample were collected from the next available port below, at a depth of 140 ft, in addition to the samples collected from the other three NMED-required depths (40 ft, 100 ft, and 160 ft) at this borehole.
- Two ports listed for screening within Table 1.0-1 were not screened because of inadequate airflow. These blocked ports include borehole 54-02001 at 180 ft bgs and borehole 54-02016 at 18 ft bgs. These blocked ports cannot be cleared.
- The seven ports listed for screening at borehole 54-01015 were not screened because of inaccessibility to the borehole during the winter months.

## 3.0 REGULATORY CRITERIA

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

concentration were in equilibrium with ground water 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

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

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

Because there are no SLs for pore gas that address the potential for groundwater contamination, the screening evaluation was based on groundwater standards or tap water SLs and Henry's law constant that describe the equilibrium relationship between vapor and water concentrations. The source of the Henry's law constant is the NMED technical background document (NMED 2009, 106420) or the EPA regional screening tables ([http://www.epa.gov/reg3hwmd/risk/human/rb-concentration-table/Generic-Tables/pdf/ressoil\\_sl\\_table\\_run\\_MAY2010.pdf](http://www.epa.gov/reg3hwmd/risk/human/rb-concentration-table/Generic-Tables/pdf/ressoil_sl_table_run_MAY2010.pdf)). The preceding link contains the most current law constants. The following dimensionless form of Henry's law constant was used:

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

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 ( $\mu\text{g}/\text{m}^3$ ),

$H'$  = the dimensionless Henry's law constant,

$SL$  = the screening level ( $\mu\text{g}/\text{L}$ ), and

1000 = a conversion factor from liter to cubic meter (L to  $\text{m}^3$ ).

The SLs are the groundwater standards or tap water SLs. The groundwater standards are the EPA maximum contaminant level (MCL) or New Mexico Water Quality Control Commission (NMWQCC) groundwater standard, whichever is lower. If there is no MCL or NMWQCC standard, the EPA regional tap water SL ([http://www.epa.gov/reg3hwmd/risk/human/rb-concentration-table/Generic-Tables/pdf/ressoil\\_sl\\_table\\_run\\_MAY2010.pdf](http://www.epa.gov/reg3hwmd/risk/human/rb-concentration-table/Generic-Tables/pdf/ressoil_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, the concentration of the VOC in pore gas does not exceed the SL, even if the VOC plume were in direct contact with groundwater. Table 3.0-1 presents the calculated concentrations of contaminants in pore gas corresponding to groundwater SLs. Table 3.0-2 shows the SVs calculated for the maximum detected VOCs during second quarter FY2010. Table 3.0-3 shows the SVs calculated for 13 of the 14 VOCs detected in the deepest borehole location sampled during the second quarter of

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

#### **4.0 FIELD-SCREENING RESULTS**

Second quarter FY2010 vapor-monitoring field-screening activities were conducted at MDA L from January 25, 2010, to March 31, 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<sub>2</sub>), and percent oxygen (%O<sub>2</sub>).

Before sampling, each sampling interval was purged to ensure formation air was being collected. The vapor from each port was field screened using a LANDTEC GEM-500 photoionization detector equipped with an 11.7-electronvolt lamp to measure %CO<sub>2</sub> and %O<sub>2</sub>. Each interval was monitored with the LANDTEC until CO<sub>2</sub> and O<sub>2</sub> readings stabilized. The stabilized %CO<sub>2</sub> and %O<sub>2</sub> values measured at each port depth in each borehole for the second quarter 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 is calibrated for analysis of four VOCs: Freon-11 (trichlorofluoromethane), PCE, TCA, and TCE. It also measures CO<sub>2</sub> and water vapor. The stabilized B&K field-monitoring values for the second quarter 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**

Second quarter FY2010 vapor-sampling activities were conducted at MDA L from January 25, 2010, to March 3, 2010. Borehole sampling locations and port depths are provided in Table 2.0-1 and are highlighted in bold text. Borehole sampling locations are shown in Figure 1.0-2. Vapor samples were collected in SUMMA canisters and submitted for laboratory analyses of VOCs according to EPA Method TO-15. Table 5.0-1 and Appendix C present the detected concentrations of VOCs in MDA L vapor samples during the second quarter of FY2010 and the three previous quarters. Detected VOC concentrations for second 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 presents the detected activity levels of tritium in MDA L vapor samples during the second quarter of FY2010 and the three previous quarters. Detected tritium activity levels for second 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 second quarter FY2010 and the three previous quarters are included in Appendix C (on DVD included with this document).

#### **5.1 Data Summary**

During the second quarter FY2010, 26 VOC analytes were detected in the 86 vapor samples collected from MDA L. Overall, VOC analyte concentrations for second quarter FY2010 are similar to those in the previous three sampling quarters. TCA was the only VOC detected in all 86 pore-gas samples and it was detected at the highest concentration of all VOCs. TCA was detected at a maximum concentration of 3,900,000 µg/m<sup>3</sup> (720,000 ppbv) in borehole 54-02089 at the 46-ft port depth (Table 5.0-1). Also detected in at least 90 percent of second quarter FY2010 samples were carbon tetrachloride; chloroform;

dichlorofluoromethane; 1,1-dichloroethane; 1,1-dichloroethene; 1,2-dichloropropane; PCE; 1,1,2-trichloro-1,2,2-trifluoroethane; TCE; and Freon-11 (Table 5.0-1).

Maximum VOC concentrations detected in laboratory-analyzed samples from the seven western boreholes (54-02001, 54-02021, 54-02022, 54-02031, 54-02034, 54-24240, and 54-27641) are found at depths ranging from 32 to 160 ft bgs. Within these boreholes TCA; TCE; PCE; Freon-11; chloroform; dichlorodifluoromethane; 1,1-dichloroethane; 1,1-dichloroethene; and 1,1,2-trichloro-1,2,2-trifluoroethane were the most common VOCs detected. Detected VOC concentrations are similar to those in the previous three sampling events.

The three VOC analytes detected at the highest concentrations (84,000  $\mu\text{g}/\text{m}^3$  to 320,000  $\mu\text{g}/\text{m}^3$ ; 11,000 ppbv to 58,000 ppbv) in six of the eastern boreholes (borehole locations 54-02023, 54-02024, 54-02025, 54-02026, 54-02027, and 54-02028) were TCA, TCE, and 1,1,2-trichloro-1,2,2-trifluoroethane. VOC concentrations at these boreholes in the second quarter FY2010 were similar to the concentrations in the previous three sampling events.

Three eastern boreholes (54-02016, 54-02089, and 54-24238) and three boreholes in the middle of MDA L (54-24239, 54-24242, and 54-24399) did not have enough depth intervals sampled to demonstrate a concentration change with depth. These boreholes were each sampled at two depths, except borehole 54-24399 and borehole 54-24238, where only one depth was required to be sampled. VOC concentrations from the middle borehole 54-24241 decreased with depth.

Maximum VOC concentrations in borehole 54-610786 were found primarily in the deepest sample port at the 118.5-ft depth. The maximum concentrations of VOCs in this borehole at the 118.5-ft depth were TCA and TCE at 570,000  $\mu\text{g}/\text{m}^3$  (100,000 ppbv) and 150,000  $\mu\text{g}/\text{m}^3$  (28,000 ppbv), respectively. The VOC analytes detected in this borehole have similar concentrations to those detected in the nearby boreholes (54-02002, 54-27643, and 54-02025).

Tritium results were generally consistent with results from the previous three quarters, with a few exceptions. During the second quarter of FY2010, tritium was detected in 61 of the 86 samples analyzed at activity levels ranging from 314.012 to 139,418 pCi/L. The maximum tritium activity level (139,418 pCi/L) detected was collected from the 25-ft port depth in borehole 54-24243. This activity level is 12 times higher than the activity detected in this port in the fourth quarter of FY2009. The second highest tritium activity was from borehole 54-24243 at a depth of 75 ft bgs with an activity level of 23,036.4 pCi/L. This activity level is more than 11 times lower than that detected at this port in the previous three sampling events.

Low concentrations (<1500 pCi/L) of tritium were detected in the second quarter of FY2010 in samples from borehole 54-02016 at the 82-ft depth, borehole 54-02026 at the 20-ft and 100-ft depths, borehole 54-02028 at the 20-ft depth, borehole 54-24240 at the 128-ft depth, borehole 54-27641 at the 271-ft depth, and borehole 54-27642 at the 338-ft depth, where tritium had not been detected in the previous three quarters. A tritium concentration of 5072.11 pCi/L was detected in a sample from borehole 54-24240 at the 153-ft depth, where no tritium had been detected in the previous three quarters. Tritium was detected in borehole 54-610786 at all three sampling depths, compared with the first quarter of FY2010 when it was detected only at the 100-ft port depth. The highest tritium concentration at this borehole was 1197.04 pCi/L at the 118.5-ft depth.

## 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 second quarter of FY2010. The screening evaluated 26 detected VOCs for which there are MCLs, NMWQCC standards, or EPA regional tap water SLs. Table 3.0-2 shows the

SVs calculated for the relevant VOCs for second quarter 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 550–608 ft bgs within the Otowi Member; therefore, the sample collected from this borehole is closest to the regional aquifer. Of the 14 VOCs that were detected, a screening-level evaluation was performed for the 13 VOCs that have MCLs, NMWQCC standards, or EPA regional tap water SLs (ethanol was detected but has no water standard for comparison). Screening of these 13 VOCs resulted in SVs below 1.0 (Table 3.0-3). Based on this evaluation, the concentrations of VOCs in the pore gas beneath MDA L do not pose an immediate potential source of groundwater contamination, because SVs in the Otowi Member do not exceed groundwater standards.

Table 3.0-4 shows the SVs calculated for the maximum concentration of VOCs detected in the second quarter 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 second quarter FY2010 monitoring event are summarized as follows.

- In the second quarter FY2010, 26 VOC analytes were detected in the 86 pore-gas samples collected at MDA L.
- VOC concentrations are consistent with concentrations reported during the previous three quarters of sampling.
- VOC concentrations generally increased with depth in eight eastern boreholes. In these eight boreholes, maximum concentrations were detected between 75 and 200 ft bgs. In the two eastern boreholes (54-27642 and 54-27643) that were drilled into deeper formations, VOC concentrations generally increased to maximum concentrations in the interval of 100 and 200 ft bgs, then decreased with depth. VOC concentrations in borehole 54-24241 in the center of MDA L generally decreased with depth. Maximum VOC concentrations in the seven western boreholes were generally at depths of 32 to 160 ft bgs.
- VOC concentrations measured at the deepest depth interval (505 to 608 ft bgs) in borehole 54-24399, drilled into the Cerros del Rio basalt, were below a SV of 1.0, indicating that VOCs do not pose an immediate potential source of groundwater contamination because SVs do not exceed groundwater standards.
- Tritium was detected in 61 of the 86 samples analyzed during the second quarter of FY2010.
- Tritium activities ranged from 314.012 to 139,418 pCi/L and varied with depth and location. Tritium activities were generally consistent with activity levels reported during the previous three quarters of sampling but were detected in low concentrations at several ports where they had not been detected in the previous three quarters.



## 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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## 7.2 Map Data Sources

Legend Item	Data Source
10-ft elevation contour	Hypsography, 10-ft Contour Interval; Los Alamos National Laboratory, ENV Environmental Remediation and Surveillance Program; 1991.
10-ft elevation contour	Hypsography, 20-ft Contour Interval; Los Alamos National Laboratory, ENV Environmental Remediation and Surveillance Program; 1991.
100-ft elevation contour	Hypsography, 100-ft Contour Interval; Los Alamos National Laboratory, ENV Environmental Remediation and Surveillance Program; 1991.
Disposal pit/impoundment Disposal shaft	Waste Storage Features; Los Alamos National Laboratory, Environment and Remediation Support Services Division, GIS/Geotechnical Services Group, EP2007-0032; 1:2,500 Scale Data; April 13, 2007.
Fence	Security and Industrial Fences and Gates; Los Alamos National Laboratory, KSL Site Support Services, Planning, Locating and Mapping Section; January 6, 2004; as published October 15, 2008.
Laboratory boundary	LANL Areas Used and Occupied; Los Alamos National Laboratory, Site Planning & Project Initiation Group, Infrastructure Planning Office; 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.



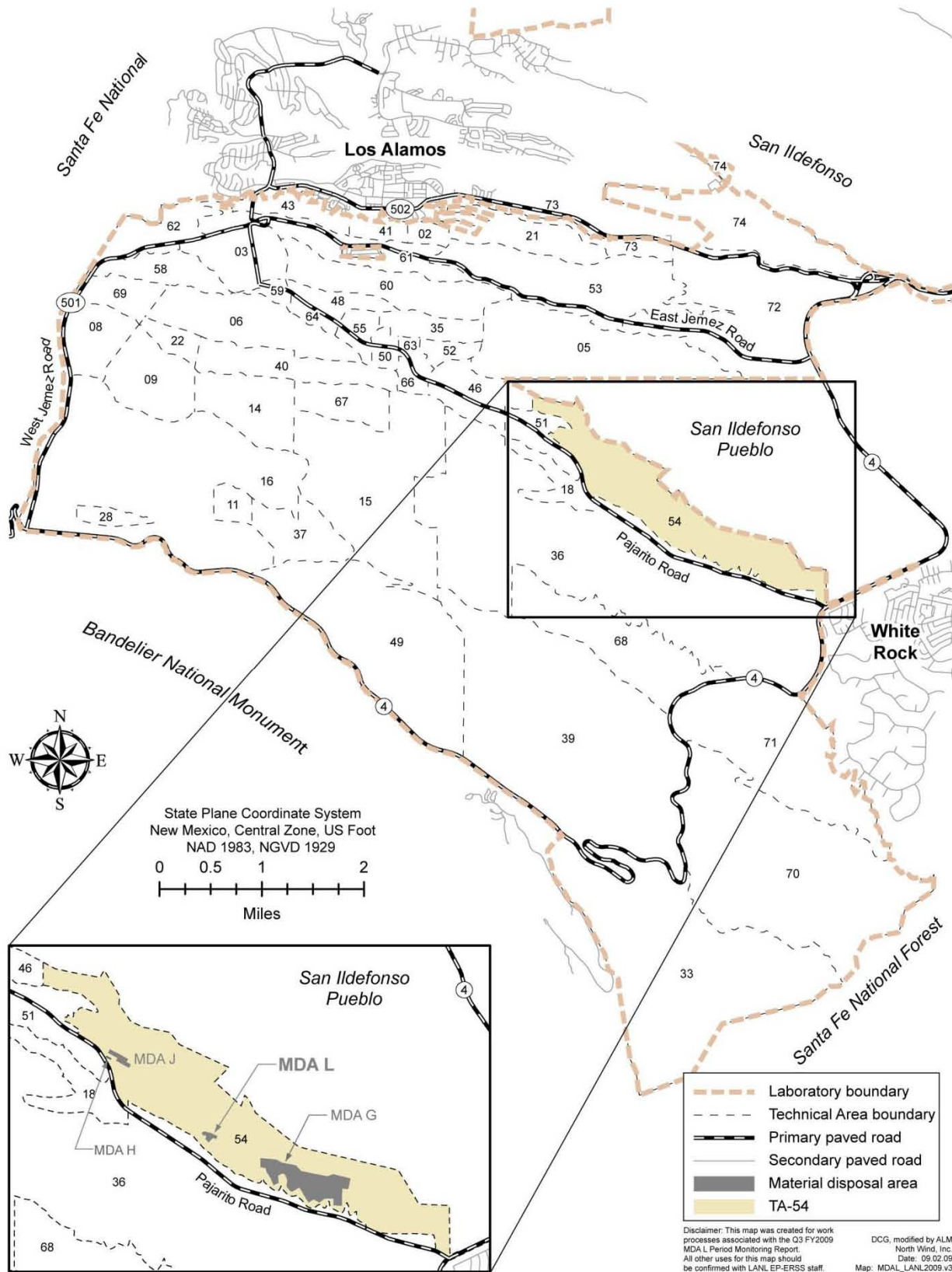


Figure 1.0-1 MDA L in TA-54 with respect to Laboratory TAs and surrounding land holdings

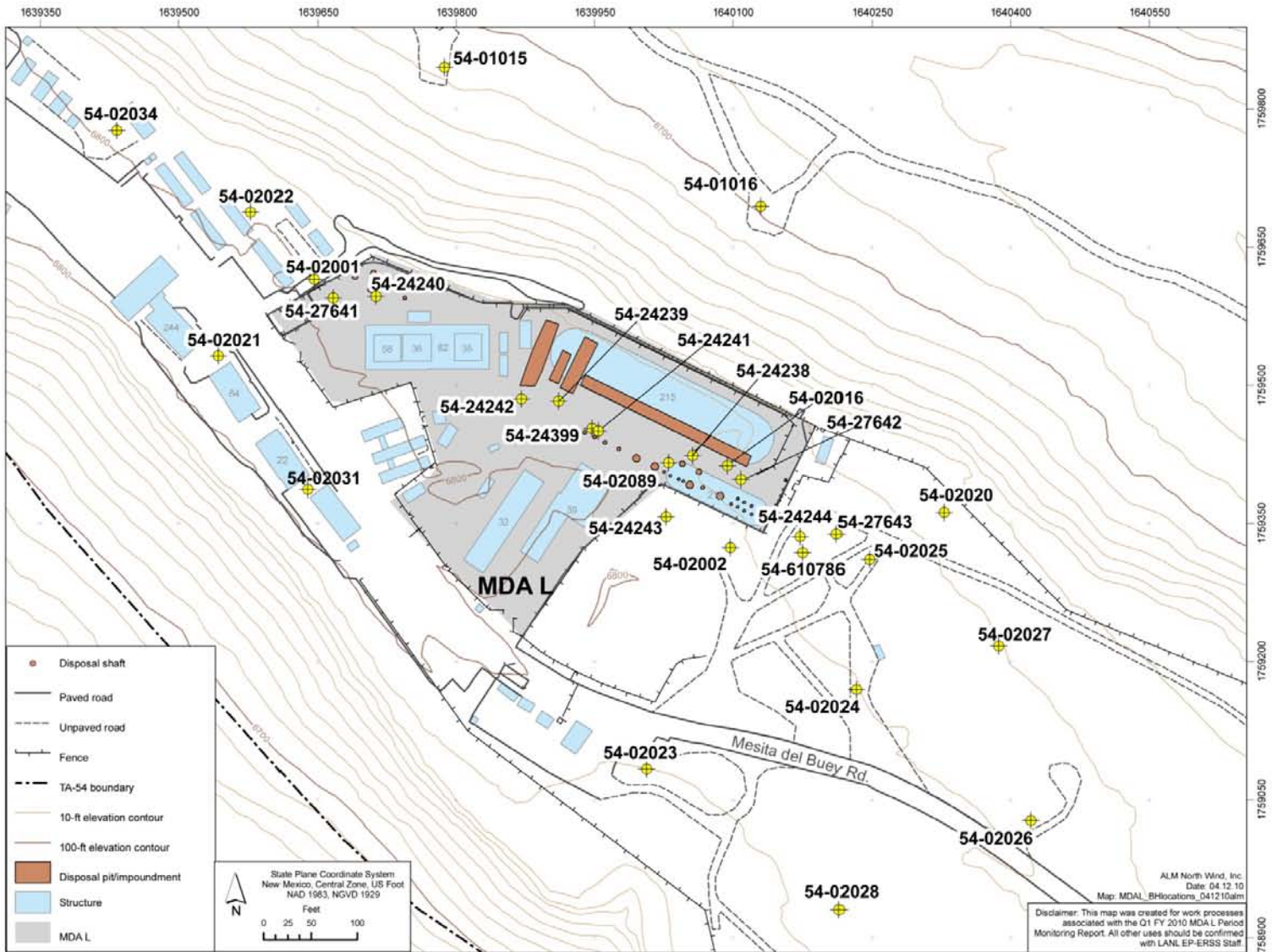


Figure 1.0-2 MDA L pore-gas monitoring borehole locations



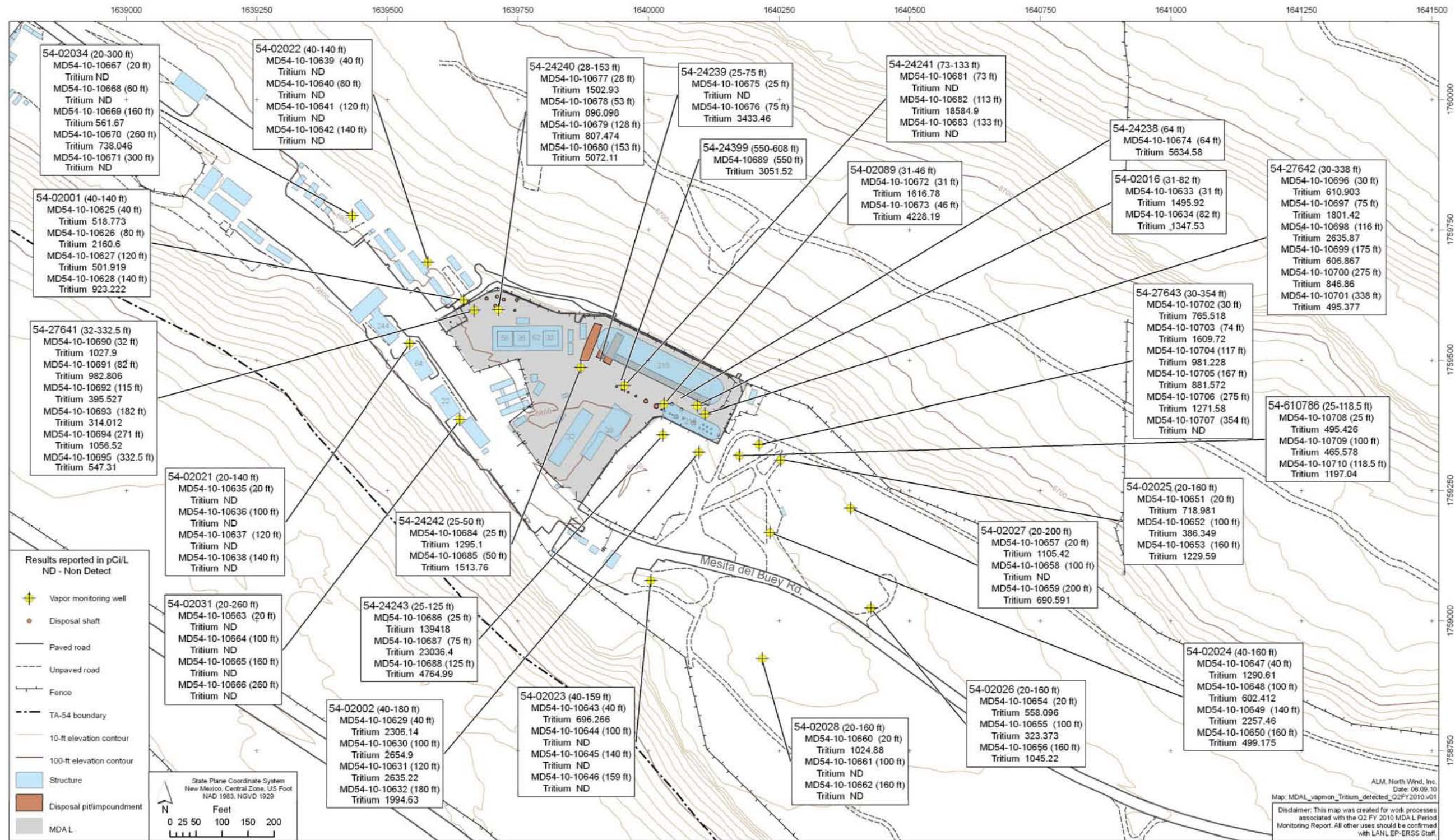


Figure 5.0-1 Tritium detected in vapor samples at MDA L





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

Borehole ID	VOC and Tritium Sampling Port-Depth Intervals (ft bgs)
54-01015 <sup>a</sup>	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 <sup>a</sup>	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), <b>40 (37.5–42.5)</b> , 60 (57.5–62.5), <b>80 (77.5–82.5)</b> , 100 (97.5–102.5), <b>120 (117.5–122.5)</b> , <b>140 (137.5–142.5)</b> , 160 (157.5–162.5), 180 (177.5–182.5), 200 (197.5–202.5)
54-02002	20 (17.5–22.5), <b>40 (37.5–42.5)</b> , 60 (57.5–62.5), 80 (77.5–82.5), <b>100 (97.5–102.5)</b> , <b>120 (117.5–122.5)</b> , 140 (137.5–142.5), 157 (154.5–159.5), <b>180 (177.5–182.5)</b> , 200 (197.5–202.5)
54-02016	18 (15.5–20.5), <b>31 (28.5–33.5)</b> , <b>82 (79.5–84.5)</b>
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	<b>20 (10–30)</b> , 40 (30–50), 60 (50–70), 80 (70–90), <b>100 (90–110)</b> , <b>120 (110–130)</b> , <b>140 (130–150)</b> , 160 (150–170), 180 (170–190), 198 (190–210)
54-02022	20 (17.5–22.5), <b>40 (37.5–42.5)</b> , 60 (57.5–62.5), <b>80 (77.5–82.5)</b> , 100 (97.5–102.5), <b>120 (117.5–122.5)</b> , <b>140 (137.5–142.5)</b> , 160 (157.5–162.5), 180 (177.5–182.5), 200 (197.5–202.5)
54-02023	20 (10–30), <b>40 (30–50)</b> , 60 (50–70), 80 (70–90), <b>100 (90–110)</b> , <b>120 (110–130)</b> , 140 (130–149), <b>159 (149–169)</b> , 180 (170–190), 200 (190–210)
54-02024	20 (10–30), <b>40 (30–50)</b> , 60 (50–70), 80 (70–90), <b>100 (90–110)</b> , <b>120 (110–130)</b> , 140 (130–150), <b>160 (150–170)</b> , 180 (170–190), 200 (190–210)
54-02025	<b>20 (20)</b> , 60 (60), <b>100 (100)</b> , <b>160 (160)</b> , 190 (190)
54-02026	<b>20 (20)</b> , 60 (60), <b>100 (100)</b> , <b>160 (160)</b> , 200 (200), 215 (215)
54-02027	<b>20 (20)</b> , 60 (60), <b>100 (100)</b> , 160 (160), <b>200 (200)</b> , 220 (220), 250 (250)
54-02028	<b>20 (20)</b> , 60 (60), <b>100 (100)</b> , <b>160 (160)</b> , 200 (200), 220 (220), 250 (250)
54-02031	<b>20 (20)</b> , 60 (60), <b>100 (100)</b> , <b>160 (160)</b> , 200 (200), 220 (220), <b>260 (260)</b>
54-02034	<b>20 (20)</b> , <b>60 (60)</b> , 100 (100), <b>160 (160)</b> , 200 (200), 220 (220), <b>260 (260)</b> , <b>300 (300)</b>
54-02089	13 (13), <b>31 (31)</b> , <b>46 (46)</b> , 86 (86)
54-24238	44 (43–45), <b>64 (63–65)</b> , 84 (83–85)
54-24239	<b>25 (24–26)</b> , 50 (49–51), <b>75 (74–76)</b> , 99.5 (98.5–100.5)
54-24240	<b>28 (27–29)</b> , <b>53 (52–54)</b> , 78 (77–79), 103 (102–104), <b>128 (127–129)</b> , <b>153 (152–154)</b>
54-24241	<b>73 (71–74)</b> , 93 (92–94), <b>113 (112–114)</b> , <b>133 (132–134)</b> , 153 (152–154), 173 (172–174), 193 (192–194)
54-24242	<b>25 (24–26)</b> , <b>50 (49–51)</b> , 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	<b>25 (24–26)</b> , 50 (49–51), <b>75 (74–76)</b> , 100 (99–101), <b>125 (124–126)</b>
54-24244 <sup>b</sup>	<b>25 (25)</b> , 50 (50), 75 (75), <b>100 (100)</b> , <b>118.5 (118.5)</b>
54-24399 <sup>c</sup>	<b>550 (550–608)</b>
54-27641	<b>32 (29.5–34.5)</b> , <b>82 (79.5–84.5)</b> , <b>115 (112.5–117.5)</b> , <b>182 (179.5–184.5)</b> , 232 (229.5–234.5), <b>271 (268.5–273.5)</b> , <b>332.5 (330–335)</b>
54-27642	<b>30 (27.5–32.5)</b> , <b>75 (71.5–76.5)</b> , <b>116 (114.5–119.5)</b> , <b>175 (172.5–177.5)</b> , 235 (232.5–237.5), <b>275 (272.5–277.5)</b> , <b>338 (335.5–340.5)</b>
54-27643	<b>30 (27.5–32.5)</b> , <b>74 (71.5–76.5)</b> , <b>117 (114.5–119.5)</b> , <b>167 (164.5–169.5)</b> , 235 (232.5–237.5), <b>275 (272.5–277.5)</b> , <b>354 (351.5–356.5)</b>
54-610786 <sup>d</sup>	<b>25 (22.5–27.5)</b> , 50 (47.5–52.5), 75 (72.5–77.5), <b>100 (97.5–102.5)</b> , <b>118.5 (116–121)</b>

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

<sup>a</sup> Borehole is angled. Port depth is depth below ground surface. Port-depth interval is length along borehole.

<sup>b</sup> Borehole 54-24244 was abandoned and plugged on January 14, 2010.

<sup>c</sup> Open borehole.

<sup>d</sup> New borehole drilled December 2009.

Table 2.0-1

**Second 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 <sup>a</sup>	37.6 (36–46), 165.4 (182–192), 308.3 (340–352), 333.3 (375–385), 377.7 (425–435), 426.5 (480–490), 462.1 (520–530)
54-01016	30.8 (30–40), 162.2 (178–190), 274.7 (318–324), 336.3 (386–396), 414.3 <sup>b</sup> (473–483), 459.5 <sup>c</sup> (530–540), 517.6 (592–602)
54-02001	20 (17.5–22.5), <b>40 (37.5–42.5)</b> , 60 (57.5–62.5), <b>80 (77.5–82.5)</b> , 100 (97.5–102.5), <b>120 (117.5–122.5)</b> , <b>140 (137.5–142.5)</b> , 160 <sup>b</sup> (157.5–162.5), 180 <sup>b</sup> (177.5–182.5), 200 (197.5–202.5)
54-02002	20 (17.5–22.5), <b>40 (37.5–42.5)</b> , 60 (57.5–62.5), 80 (77.5–82.5), <b>100 (97.5–102.5)</b> , <b>120 (117.5–122.5)</b> , 140 (137.5–142.5), 157 (154.5–159.5), <b>180 (177.5–182.5)</b> , 200 (197.5–202.5)
54-02016	18 <sup>b</sup> (15.5–20.5), <b>31 (28.5–33.5)</b> , <b>82 (79.5–84.5)</b>
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	<b>20 (10–30)</b> , 40 (30–50), 60 (50–70), 80 (70–90), <b>100 (90–110)</b> , 120 (110–130), <b>140 (130–150)</b> , <b>160 (150–170)</b> , 180 (170–190), 198 (190–210)
54-02022	20 (17.5–22.5), <b>40 (37.5–42.5)</b> , 60 (57.5–62.5), <b>80 (77.5–82.5)</b> , 100 (97.5–102.5), <b>120 (117.5–122.5)</b> , <b>140 (137.5–142.5)</b> , 160 (157.5–162.5), 180 (177.5–182.5), 200 (197.5–202.5)

Table 2.0-1 (continued)

Borehole ID	VOC and Tritium Sampling Port-Depth Intervals (ft bgs)
54-02023	20 (10–30), <b>40 (30–50)</b> , 60 <sup>b</sup> (50–70), 80 (70–90), <b>100 (90–110)</b> , 120 <sup>b</sup> (110–130), <b>140 (130–149)</b> , <b>159 (149–169)</b> , 180 (170–190), 200 (190–210)
54-02024	20 (10–30), <b>40 (30–50)</b> , 60 (50–70), 80 (70–90), <b>100 (90–110)</b> , 120 <sup>b</sup> (110–130), <b>140 (130–150)</b> , <b>160 (150–170)</b> , 180 (170–190), 200 (190–210)
54-02025	<b>20 (20)</b> , 60 (60), <b>100 (100)</b> , <b>160 (160)</b> , 190 (190)
54-02026	<b>20 (20)</b> , 60 (60), <b>100 (100)</b> , <b>160 (160)</b> , 200 (200), 215 (215)
54-02027	<b>20 (20)</b> , 60 (60), <b>100 (100)</b> , 160 (160), <b>200 (200)</b> , 220 (220), 250 (250)
54-02028	<b>20 (20)</b> , 60 (60), <b>100 (100)</b> , <b>160 (160)</b> , 200 (200), 220 (220), 250 (250)
54-02031	<b>20 (20)</b> , 60 (60), <b>100 (100)</b> , <b>160 (160)</b> , 200 (200), 220 <sup>b</sup> (220), <b>260 (260)</b>
54-02034	<b>20 (20)</b> , <b>60 (60)</b> , 100 (100), <b>160 (160)</b> , 200 (200), 220 (220), <b>260 (260)</b> , <b>300 (300)</b>
54-02089	13 (13), <b>31 (31)</b> , <b>46 (46)</b> , 86 (86)
54-24238	44 (43–45), <b>64 (63–65)</b> , 84 (83–85)
54-24239	<b>25 (24–26)</b> , 50 (49–51), <b>75 (74–76)</b> , 99.5 (98.5–100.5)
54-24240	<b>28 (27–29)</b> , <b>53 (52–54)</b> , 78 (77–79), 103 (102–104), <b>128 (127–129)</b> , <b>153 (152–154)</b>
54-24241	<b>73 (71–74)</b> , 93 (92–94), <b>113 (112–114)</b> , <b>133 (132–134)</b> , 153 (152–154), 173 (172–174), 193 (192–194)
54-24242	<b>25 (24–26)</b> , <b>50 (49–51)</b> , 75 (74–76), 100 (99–101), 110.5 (109.5–111.5)
54-24243	<b>25 (24–26)</b> , 50 (49–51), <b>75 (74–76)</b> , 100 (99–101), <b>125 (124–126)</b>
54-24399 <sup>d</sup>	<b>550 (550–608)</b>
54-27641	<b>32 (29.5–34.5)</b> , <b>82 (79.5–84.5)</b> , <b>115 (112.5–117.5)</b> , <b>182 (179.5–184.5)</b> , 232 (229.5–234.5), <b>271 (268.5–273.5)</b> , <b>332.5 (330–335)</b>
54-27642	<b>30 (27.5–32.5)</b> , <b>75 (71.5–76.5)</b> , <b>116 (114.5–119.5)</b> , <b>175 (172.5–177.5)</b> , 235 (232.5–237.5), <b>275 (272.5–277.5)</b> , <b>338 (335.5–340.5)</b>
54-27643	<b>30 (27.5–32.5)</b> , <b>74 (71.5–76.5)</b> , <b>117 (114.5–119.5)</b> , <b>167 (164.5–169.5)</b> , 235 (232.5–237.5), <b>275 (272.5–277.5)</b> , <b>354 (351.5–356.5)</b>
54-610786 <sup>e</sup>	<b>25 (22.5–27.5)</b> , 50 (47.5–52.5), 75 (72.5–77.5), <b>100 (97.5–102.5)</b> , <b>118.5 (116–121)</b>

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

<sup>a</sup> Borehole 54-01015 was not screened because of inaccessibility during winter months.

<sup>b</sup> Blocked ports.

<sup>c</sup> Partially blocked ports.

<sup>d</sup> Open borehole.

<sup>e</sup> New borehole drilled December 2009 replacing abandoned Borehole 54-24244.

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

VOC	Henry's Law Constant <sup>a</sup> (dimensionless)	Groundwater SL (µg/L)	Source of Groundwater SL	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m <sup>3</sup> )
Acetone	0.0016	22,000	EPA regional SL	35,200
Benzene	0.228	5	EPA MCL	1140
Butanone[2-]	0.0023	7100	EPA regional SL	16,330
Carbon Tetrachloride	1.1	5	EPA MCL	5500
Chlorobenzene	0.13	100	EPA MCL	13,000
Chloroform	0.15	100	NMWQCC	15,000
Cyclohexane	6.1	13,000	EPA regional SL	79,300,000
Dichlorodifluoromethane	14	390	EPA regional SL	5,460,000
Dichloroethane[1,1-]	0.23	25	NMWQCC	5750
Dichloroethane[1,2-]	0.048	5	EPA MCL	240
Dichloroethene[1,1-]	1.1	5	NMWQCC	5500
Dichloroethene[trans-1,2-]	0.38	100	EPA MCL	38,000
Dichloropropane[1,2-]	0.12	5	EPA MCL	600
Dioxane[1,4-]	0.0002	61	EPA regional SL	12.2
Ethanol	na <sup>b</sup>	na	na	na
Ethylbenzene	0.323	700	EPA MCL	226,100
Ethyltoluene[4-]	na	na	na	na
Hexane	74	880	EPA regional SL	65,120,000
Methanol	0.00019	18,000	EPA regional SL	3420
Methylene Chloride	0.13	5	EPA MCL	650
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	59,000	EPA regional SL	1,298,000,000
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	1300	EPA regional SL	5,200,000
Trimethylbenzene[1,2,4-]	0.25	15	EPA regional SL	3750
Trimethylbenzene[1,3,5-]	0.36	12	EPA regional SL	4320
Xylene[1,2-]	0.213	1200	EPA regional SL	255,600
Xylene[1,3-]+Xylene[1,4-]	0.27	10,000 <sup>c</sup>	EPA MCL	2,700,000

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

<sup>a</sup> NMED (2009, 106420, Appendix B).

<sup>b</sup> na = Not available.

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

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

VOCs	Maximum Pore-Gas Concentration ( $\mu\text{g}/\text{m}^3$ )	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard ( $\mu\text{g}/\text{m}^3$ )	Screening Value (unitless)	Potential for Groundwater Impact <sup>a</sup>
Acetone	260	35,200	0.0074	No
Benzene	4400	1140	3.9	Yes
Carbon Tetrachloride	19,000	5500	3.5	Yes
Chlorobenzene	1700	13,000	0.13	No
Chloroform	71,000	15,000	4.7	Yes
Cyclohexane	19,000	79,300,000	0.00024	No
Dichlorodifluoromethane	21,000	5,460,000	0.0038	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-]	1300	38,000	0.034	No
Dichloropropane[1,2-]	400,000	600	670	Yes
Dioxane[1,4-]	4300	12.2	350	Yes
Ethanol	6300	na <sup>b</sup>	na	No
Hexane	3400	65,120,000	0.000052	No
Methylene Chloride	130,000	650	200	Yes
Tetrachloroethene	370,000	3600	100	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	1,298,000,000	0.0017	No
Trichloroethane[1,1,1-]	3,900,000	42,300	92	Yes
Trichloroethane[1,1,2-]	1000	170	5.9	Yes
Trichloroethene	1,200,000	2000	600	Yes
Trichlorofluoromethane	41,000	5,200,000	0.0079	No
Xylene[1,2-]	3200	255,600	0.013	No
Xylene[1,3-]+Xylene[1,4-]	2100	2,700,000	0.00078	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.

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

<sup>b</sup> na = Not available.

**Table 3.0-3  
Screening Values of VOCs Detected during Second 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/m <sup>3</sup> )	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m <sup>3</sup> )	Screening Value (unitless)	Potential for Groundwater Impact <sup>a</sup>
Carbon Tetrachloride	550	550–608	19	5500	0.0035	No
Chloroform			64	15,000	0.0043	No
Dichlorodifluoromethane			22	5,460,000	0.000004	No
Dichloroethane[1,1-]			84	5750	0.015	No
Dichloroethane[1,2-]			40	240	0.17	No
Dichloroethene[1,1-]			140	5500	0.025	No
Dichloropropane[1,2-]			40	600	0.067	No
Ethanol			14	na <sup>b</sup>	na	No
Methylene Chloride			8.8	650	0.014	No
Tetrachloroethene			510	3600	0.14	No
Trichloro-1,2,2-trifluoroethane[1,1,2-]			410	1,298,000,000	0.00000032	No
Trichloroethane[1,1,1-]			2100	42,300	0.05	No
Trichloroethene			850	2000	0.43	No
Trichlorofluoromethane			39	5,200,000	0.0000075	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.

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

<sup>b</sup> na = Not available.

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

Analyte	Maximum Pore-Gas Concentration ( $\mu\text{g}/\text{m}^3$ )	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard ( $\mu\text{g}/\text{m}^3$ )	Screening Value (unitless)	Potential for Groundwater Impact <sup>a</sup>
Acetone	260	35,200	0.0074	No
Benzene	4400	1140	3.9	Yes
Butanone[2-]	120	16,330	0.0073	No
Carbon Tetrachloride	25,000	5500	4.5	Yes
Chlorobenzene	2200	13,000	0.17	No
Chloroform	71,000	15,000	4.7	Yes
Cyclohexane	19,000	79,300,000	0.00024	No
Dichlorodifluoromethane	21,000	5,460,000	0.0038	No
Dichloroethane[1,1-]	94,000	5750	16	Yes
Dichloroethane[1,2-]	740,000	240	3100	Yes
Dichloroethene[1,1-]	130,000	5500	24	Yes
Dichloroethene[trans-1,2-]	1600	38,000	0.042	No
Dichloropropane[1,2-]	400,000	600	670	Yes
Dioxane[1,4-]	4300	12.2	350	Yes
Ethanol	96,000	na <sup>b</sup>	na	No
Ethylbenzene	380	226,100	0.0017	No
Ethyltoluene[4-]	1200	na	na	No
Hexane	3400	65,120,000	0.000052	No
Methanol	38,000	3420	11	Yes
Methylene Chloride	430,000	650	660	Yes
Styrene	1000	11,000	0.091	No
Tetrachloroethene	510,000	3600	140	Yes
Tetrahydrofuran	73,000	na	na	No
Toluene	21,000	204,000	0.1	No
Trichloro-1,2,2-trifluoroethane[1,1,2-]	2,200,000	1,298,000,000	0.0017	No
Trichloroethane[1,1,1-]	3,900,000	42,300	92	Yes
Trichloroethane[1,1,2-]	1000	170	5.9	Yes
Trichloroethene	1,200,000	2000	600	Yes
Trichlorofluoromethane	41,000	5,200,000	0.0079	No

**Table 3.0-4 (continued)**

Analyte	Maximum Pore-Gas Concentration (µg/m <sup>3</sup> )	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m <sup>3</sup> )	Screening Value (unitless)	Potential for Groundwater Impact <sup>a</sup>
Trimethylbenzene[1,2,4-]	210	3750	0.056	No
Trimethylbenzene[1,3,5-]	300	4320	0.069	No
Xylene[1,2-]	4000	255,600	0.016	No
Xylene[1,3-]+Xylene[1,4-]	3200	2,700,000	0.0012	No

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

Screening value derived from Equation 3.0-3.

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

<sup>b</sup> na = Not available.



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

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)	
54-01015	Ambient	Ambient	CO <sub>2</sub>	5/27/09	0	8/4/09	0	11/17/09	0	NS <sup>a</sup>	NS	
			O <sub>2</sub>	5/27/09	20.6	8/4/09	21.1	11/17/09	20.5	NS	NS	
	37.6	36–46	CO <sub>2</sub>	5/27/09	0	8/4/09	0	11/17/09	0	NS	NS	
			O <sub>2</sub>	5/27/09	20.7	8/4/09	20.7	11/17/09	20.6	NS	NS	
	165.4	182–192	CO <sub>2</sub>	5/27/09	0	8/4/09	0	11/17/09	0.1	NS	NS	
			O <sub>2</sub>	5/27/09	20.8	8/4/09	20.5	11/17/09	20.2	NS	NS	
	308.3	340–352	CO <sub>2</sub>	5/27/09	0	8/4/09	0	11/17/09	0.2	NS	NS	
			O <sub>2</sub>	5/27/09	20.7	8/4/09	20.2	11/17/09	20.1	NS	NS	
	333.3	375–385	CO <sub>2</sub>	5/27/09	0	8/4/09	0	11/17/09	0.1	NS	NS	
			O <sub>2</sub>	5/27/09	20.7	8/4/09	20.5	11/17/09	20.1	NS	NS	
	377.7	425–435	CO <sub>2</sub>	5/27/09	0	8/4/09	0	11/17/09	0.1	NS	NS	
			O <sub>2</sub>	5/27/09	20.6	8/4/09	20.2	11/17/09	19.8	NS	NS	
	426.5	480–490	CO <sub>2</sub>	5/27/09	0	8/4/09	0	11/17/09	0.1	NS	NS	
			O <sub>2</sub>	5/27/09	20.5	8/4/09	20.3	11/17/09	19.8	NS	NS	
	462.1	520–530	CO <sub>2</sub>	5/27/09	0	8/4/09	0	11/17/09	0.1	NS	NS	
			O <sub>2</sub>	5/27/09	20.6	8/4/09	20	11/17/09	19.8	NS	NS	
	54-01016	Ambient	Ambient	CO <sub>2</sub>	5/27/09	0	8/4/09	0	11/17/09	0.1	NS	NS
				O <sub>2</sub>	5/27/09	20.5	8/4/09	20.7	11/17/09	20.7	NS	NS
30.8		30–40	CO <sub>2</sub>	5/27/09	0.1	8/4/09	0	11/17/09	0.2	NS	NS	
			O <sub>2</sub>	5/27/09	20.1	8/4/09	20.3	11/17/09	20.7	NS	NS	
162.2		178–190	CO <sub>2</sub>	5/27/09	0.3	8/4/09	0	11/17/09	0.5	NS	NS	
			O <sub>2</sub>	5/27/09	20	8/4/09	19.9	11/17/09	20.2	NS	NS	

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)	
54-01016	274.7	318–324	CO <sub>2</sub>	5/27/09	0	8/4/09	0	11/17/09	0.3	NS	NS	
			O <sub>2</sub>	5/27/09	20.2	8/4/09	20	11/17/09	20.2	NS	NS	
	336.3	386–396	CO <sub>2</sub>	5/27/09	0	8/4/09	0 <sup>b</sup>	11/17/09	0	NS	NS	
			O <sub>2</sub>	5/27/09	20	8/4/09	20.5 <sup>b</sup>	11/17/09	20.2	NS	NS	
	414.3	473–483	CO <sub>2</sub>	5/27/09	0 <sup>c</sup>	8/4/09	0 <sup>c</sup>	11/17/09	0 <sup>c</sup>	NS	NS	
			O <sub>2</sub>	5/27/09	20 <sup>c</sup>	8/4/09	20.6 <sup>c</sup>	11/17/09	20.1 <sup>c</sup>	NS	NS	
	459.5	530–540	CO <sub>2</sub>	5/27/09	0 <sup>c</sup>	8/4/09	0 <sup>c</sup>	11/17/09	0 <sup>b</sup>	NS	NS	
			O <sub>2</sub>	5/27/09	19.9 <sup>c</sup>	8/4/09	20.6 <sup>c</sup>	11/17/09	20.1 <sup>b</sup>	NS	NS	
	517.6	592–602	CO <sub>2</sub>	5/27/09	0	8/4/09	0 <sup>b</sup>	11/17/09	0	NS	NS	
			O <sub>2</sub>	5/27/09	20	8/4/09	20.3 <sup>b</sup>	11/17/09	20.1	NS	NS	
	54-02001	Ambient	Ambient	CO <sub>2</sub>	5/5/09	0	8/18/09	0	10/27/09	0	1/28/10	0.1
				O <sub>2</sub>	5/5/09	21.1	8/18/09	21.2	10/27/09	21	1/28/10	20
20		17.5–22.5	CO <sub>2</sub>	5/5/09	0.9	8/18/09	0.6	10/27/09	1.3	1/28/10	0.5	
			O <sub>2</sub>	5/5/09	20.1	8/18/09	20	10/27/09	19.3	1/28/10	20	
40		37.5–42.5	CO <sub>2</sub>	5/5/09	1	8/18/09	0.5	10/27/09	1.2	2/19/10	0	
			O <sub>2</sub>	5/5/09	20.1	8/18/09	20	10/27/09	19.6	2/19/10	20.7	
60		57.5–62.5	CO <sub>2</sub>	5/5/09	0.8	8/18/09	0.2	10/27/09	0.6	2/19/10	0	
			O <sub>2</sub>	5/5/09	19.8	8/18/09	20.1	10/27/09	20.1	2/19/10	20.8	
80		77.5–82.5	CO <sub>2</sub>	5/5/09	0.6	8/18/09	0.5	10/27/09	1.1	2/19/10	0	
			O <sub>2</sub>	5/5/09	20.3	8/18/09	20	10/27/09	19.7	2/19/10	20.9	
100		97.5–102.5	CO <sub>2</sub>	5/5/09	0.9	8/18/09	0.4	10/27/09	0.7	2/19/10	0	
			O <sub>2</sub>	5/5/09	20.2	8/18/09	20	10/27/09	20.1	2/19/10	21.2	
120		117.5–122.5	CO <sub>2</sub>	5/5/09	0.8	8/18/09	0.3	10/27/09	0.8	2/19/10	0	
			O <sub>2</sub>	5/5/09	20.2	8/18/09	21.4	10/27/09	19.9	2/19/10	21.4	

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02001	140	137.5–142.5	CO <sub>2</sub>	5/5/09	0.8	8/18/09	0.3	10/27/09	0.6	2/19/10	0
			O <sub>2</sub>	5/5/09	20.1	8/18/09	19.9	10/27/09	19.9	2/19/10	21.4
	160	157.5–162.5	CO <sub>2</sub>	5/5/09	0.6 <sup>c</sup>	8/18/09	0	11/17/09	0.6 <sup>b</sup>	2/19/10	0
			O <sub>2</sub>	5/5/09	20.5 <sup>c</sup>	8/18/09	20.7	11/17/09	19.8 <sup>b</sup>	2/19/10	21.6
	180	177.5–182.5	CO <sub>2</sub>	5/5/09	0.6 <sup>c</sup>	8/18/09	0.1 <sup>c</sup>	10/27/09	0.7 <sup>c</sup>	2/19/10	0 <sup>c</sup>
			O <sub>2</sub>	5/5/09	20.4 <sup>c</sup>	8/18/09	20.2 <sup>c</sup>	10/27/09	20.1 <sup>c</sup>	2/19/10	21.6 <sup>c</sup>
	200	197.5–202.5	CO <sub>2</sub>	5/5/09	0.7	8/18/09	0.2	10/27/09	0.7	2/19/10	0
			O <sub>2</sub>	5/5/09	20.2	8/18/09	20	10/27/09	19.9	2/19/10	21.6
54-02002	Ambient	Ambient	CO <sub>2</sub>	5/19/09	0	7/27/09	0	11/9/09	0	2/9/10	0
			O <sub>2</sub>	5/19/09	21	7/27/09	21.2	11/9/09	20.9	2/9/10	21.2
	20	17.5–22.5	CO <sub>2</sub>	5/19/09	0.9	7/27/09	0	11/9/09	0.7	2/9/10	0.9
			O <sub>2</sub>	5/19/09	19.8	7/27/09	20.9	11/9/09	19.7	2/9/10	20.2
	40	37.5–42.5	CO <sub>2</sub>	5/19/09	1.1	7/27/09	0.7	11/9/09	1.3	2/9/10	1.8
			O <sub>2</sub>	5/19/09	19.3	7/27/09	19.4	11/9/09	18.8	2/9/10	19.6
	60	57.5–62.5	CO <sub>2</sub>	5/19/09	1.4	7/27/09	1.1	11/9/09	1.7	2/9/10	2.3
			O <sub>2</sub>	5/19/09	19	7/27/09	19	11/9/09	18.1	2/9/10	19.2
	80	77.5–82.5	CO <sub>2</sub>	5/19/09	1.2 <sup>c</sup>	7/27/09	1 <sup>c</sup>	11/9/09	1	2/9/10	2.3
			O <sub>2</sub>	5/19/09	19 <sup>c</sup>	7/27/09	19 <sup>c</sup>	11/9/09	16.8	2/9/10	19.1
	100	97.5–102.5	CO <sub>2</sub>	5/19/09	1.3	7/27/09	1	11/9/09	1.5	2/9/10	0
			O <sub>2</sub>	5/19/09	18.9	7/27/09	19	11/9/09	18.1	2/9/10	21.1
	120	117.5–122.5	CO <sub>2</sub>	5/19/09	1.1 <sup>c</sup>	7/27/09	0.7	11/9/09	1.3	2/9/10	0
			O <sub>2</sub>	5/19/09	19.1 <sup>c</sup>	7/27/09	19.2	11/9/09	18.1	2/9/10	20.9
	140	137.5–142.5	CO <sub>2</sub>	5/19/09	1.1	7/27/09	0.7	11/9/09	1.1	2/9/10	1.9
			O <sub>2</sub>	5/19/09	19.2	7/27/09	18.9	11/9/09	18.3	2/9/10	19.3

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)	
54-02002	157	154.5–159.5	CO <sub>2</sub>	5/19/09	0.9	7/27/09	0.6	11/9/09	0.9	2/9/10	1.6	
			O <sub>2</sub>	5/19/09	19.3	7/27/09	19.4	11/9/09	18.4	2/9/10	19.5	
	180	177.5–182.5	CO <sub>2</sub>	5/19/09	1.1	7/27/09	0.7	11/9/09	1.2	2/9/10	2	
			O <sub>2</sub>	5/19/09	18.9	7/27/09	19	11/9/09	17.9	2/9/10	19.3	
	200	197.5–202.5	CO <sub>2</sub>	5/19/09	0.7	7/27/09	0.4	11/9/09	0.7	2/9/10	1.3	
			O <sub>2</sub>	5/19/09	19.3	7/27/09	19.5	11/9/09	18.1	2/9/10	19.8	
54-02016	Ambient	Ambient	CO <sub>2</sub>	5/13/09	0	7/21/09	0	11/3/09	0.1	1/26/10	0	
			O <sub>2</sub>	5/13/09	20.9	7/21/09	21.2	11/3/09	20.6	1/26/10	20.6	
	18	15.5–20.5	CO <sub>2</sub>	5/13/09	1.8 <sup>c</sup>	7/21/09	0 <sup>c</sup>	11/3/09	0 <sup>c</sup>	1/26/10	0 <sup>c</sup>	
			O <sub>2</sub>	5/13/09	18.1 <sup>c</sup>	7/21/09	21.1 <sup>c</sup>	11/3/09	20.9 <sup>c</sup>	1/26/10	20.6 <sup>c</sup>	
	31	28.5–33.5	CO <sub>2</sub>	5/13/09	2	7/21/09	2.1	11/3/09	2.7	1/26/10	3.6	
			O <sub>2</sub>	5/13/09	17.4	7/21/09	18	11/3/09	17.1	1/26/10	17.3	
	82	79.5–84.5	CO <sub>2</sub>	5/13/09	2.1	7/21/09	0	11/3/09	1.7	1/26/10	3	
			O <sub>2</sub>	5/13/09	18.1	7/21/09	20.9	11/3/09	18.1	1/26/10	17.6	
	54-02020	Ambient	Ambient	CO <sub>2</sub>	5/26/09	0	8/3/09	0	11/16/09	0	2/11/10	0
				O <sub>2</sub>	5/26/09	20.9	8/3/09	21.3	11/16/09	21.3	2/11/10	21.3
20		10–30	CO <sub>2</sub>	5/26/09	0.3	8/3/09	0.2	11/16/09	0.5	2/11/10	0.5	
			O <sub>2</sub>	5/26/09	20.6	8/3/09	20.4	11/16/09	20.1	2/11/10	21	
40		30–50	CO <sub>2</sub>	5/26/09	0.4	8/3/09	0.1	11/16/09	0.6	2/11/10	0.6	
			O <sub>2</sub>	5/26/09	20.4	8/3/09	20.4	11/16/09	21.1	2/11/10	21	
60		50–70	CO <sub>2</sub>	5/26/09	0.4	8/3/09	0.1	11/16/09	0.6	2/11/10	0.6	
			O <sub>2</sub>	5/26/09	20.3	8/3/09	20.3	11/16/09	20.6	2/11/10	21.1	
80		70–90	CO <sub>2</sub>	5/26/09	0.4	8/3/09	0.1	11/16/09	0.5	2/11/10	0.6	
			O <sub>2</sub>	5/26/09	20.3	8/3/09	20.1	11/16/09	21.3	2/11/10	21.1	

**Table 4.0-1 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)	
54-02020	95	90–110	CO <sub>2</sub>	5/26/09	0.4	8/3/09	0.1	11/16/09	0.6	2/11/10	0.6	
			O <sub>2</sub>	5/26/09	20.2	8/3/09	20.1	11/16/09	20.6	2/11/10	21.1	
	120	110–130	CO <sub>2</sub>	5/26/09	0.4	8/3/09	0.1	11/16/09	0.5	2/11/10	0.6	
			O <sub>2</sub>	5/26/09	20	8/3/09	20.1	11/16/09	20.6	2/11/10	21.2	
	140	130–150	CO <sub>2</sub>	5/26/09	0.4	8/3/09	0.1	11/16/09	0.6	2/11/10	0.6	
			O <sub>2</sub>	5/26/09	19.9	8/3/09	20	11/16/09	20.2	2/11/10	21.2	
	160	150–170	CO <sub>2</sub>	5/26/09	0.3	8/3/09	0.1	11/16/09	0.5	2/11/10	0.6	
			O <sub>2</sub>	5/26/09	19.9	8/3/09	20	11/16/09	21.6	2/11/10	21.1	
	180	170–190	CO <sub>2</sub>	5/26/09	0.4	8/3/09	0.1	11/16/09	0.5	2/11/10	0.5	
			O <sub>2</sub>	5/26/09	19.8	8/3/09	20.1	11/16/09	20.2	2/11/10	21.2	
	200	190–210	CO <sub>2</sub>	5/26/09	0.3	8/3/09	0	11/16/09	0.6	2/11/10	0.5	
			O <sub>2</sub>	5/26/09	19.5	8/3/09	20	11/16/09	20.1	2/11/10	21.3	
	54-02021	Ambient	Ambient	CO <sub>2</sub>	5/5/09	0	7/22/09	0	10/28/09	0.1	2/12/10	0
				O <sub>2</sub>	5/5/09	20.7	7/22/09	21.1	10/28/09	21.1	2/12/10	21.5
20		10–30	CO <sub>2</sub>	5/5/09	0.6	7/22/09	0.2	10/28/09	1.1	2/12/10	0.6	
			O <sub>2</sub>	5/5/09	19.2	7/22/09	20.3	10/28/09	20.3	2/12/10	21.2	
40		30–50	CO <sub>2</sub>	5/5/09	0.6	7/22/09	0.1	10/28/09	0.7	2/12/10	0.6	
			O <sub>2</sub>	5/5/09	20.5	7/22/09	20.2	10/28/09	20.5	2/12/10	21.1	
60		50–70	CO <sub>2</sub>	5/5/09	0.6	7/22/09	0.1	10/28/09	0.6	2/12/10	0.6	
			O <sub>2</sub>	5/5/09	20.4	7/22/09	20.3	10/28/09	20.7	2/12/10	21.3	
80		70–90	CO <sub>2</sub>	5/5/09	0.7 <sup>c</sup>	7/22/09	0.1 <sup>c</sup>	10/28/09	0.5	2/12/10	0.6	
			O <sub>2</sub>	5/5/09	20.4 <sup>c</sup>	7/22/09	20.3 <sup>c</sup>	10/28/09	20.7	2/12/10	21.4	
100		90–110	CO <sub>2</sub>	5/5/09	0.6	7/22/09	0.2	10/28/09	0.6	2/12/10	0.6	
			O <sub>2</sub>	5/5/09	20.4	7/22/09	20.1	10/28/09	20.4	2/12/10	21.6	

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)	
54-02021	120	110–130	CO <sub>2</sub>	5/5/09	0.6 <sup>c</sup>	7/22/09	0.1 <sup>c</sup>	10/28/09	0.5	2/12/10	0.4 <sup>c</sup>	
			O <sub>2</sub>	5/5/09	20.5 <sup>c</sup>	7/22/09	20.1 <sup>c</sup>	10/28/09	20.7	2/12/10	21.5 <sup>c</sup>	
	140	130–150	CO <sub>2</sub>	5/5/09	0.6	7/22/09	0.2	10/28/09	0.7	2/12/10	0.6	
			O <sub>2</sub>	5/5/09	20.4	7/22/09	20	10/28/09	20.3	2/12/10	21.2	
	160	150–170	CO <sub>2</sub>	5/5/09	0.6	7/22/09	0.1	10/28/09	0.5	2/12/10	0	
			O <sub>2</sub>	5/5/09	20.5	7/22/09	19.9	10/28/09	20	2/12/10	21.9	
	180	170–190	CO <sub>2</sub>	5/5/09	0.6	7/22/09	0.1	10/28/09	0.7	2/12/10	0.5	
			O <sub>2</sub>	5/5/09	20.7	7/22/09	19.9	10/28/09	20	2/12/10	21.4	
	198	190–210	CO <sub>2</sub>	5/5/09	0.6	7/22/09	0.1	10/28/09	0.7	2/12/10	0.5	
			O <sub>2</sub>	5/5/09	20.6	7/22/09	20.1	10/28/09	20.3	2/12/10	21.4	
	54-02022	Ambient	Ambient	CO <sub>2</sub>	5/4/09	0	7/24/09	0	10/28/09	0	1/28/10	0
				O <sub>2</sub>	5/4/09	21.2	7/24/09	21.3	10/28/09	20.4	1/28/10	20.3
20		17.5–22.5	CO <sub>2</sub>	5/4/09	0.8	7/24/09	0.5	10/28/09	1.7	1/28/10	0	
			O <sub>2</sub>	5/4/09	20.3	7/24/09	20.1	10/28/09	19.1	1/28/10	20.3	
40		37.5–42.5	CO <sub>2</sub>	5/4/09	0.8	7/24/09	0.4	10/28/09	1.2	1/28/10	0	
			O <sub>2</sub>	5/4/09	17.4	7/24/09	20	10/28/09	19.9	1/28/10	20.3	
60		57.5–62.5	CO <sub>2</sub>	5/4/09	0.8	7/24/09	0.4	10/28/09	1.2	1/28/10	0	
			O <sub>2</sub>	5/4/09	20.3	7/24/09	20.1	10/28/09	20	1/28/10	20.2	
80		77.5–82.5	CO <sub>2</sub>	5/4/09	0.8	7/24/09	0.3	10/28/09	1	1/28/10	0	
			O <sub>2</sub>	5/4/09	20.1	7/24/09	20	10/28/09	20.3	1/28/10	20.1	
100		97.5–102.5	CO <sub>2</sub>	5/4/09	0.7 <sup>b</sup>	7/24/09	0.2	10/28/09	0.8	1/28/10	0 <sup>b</sup>	
			O <sub>2</sub>	5/4/09	20.6 <sup>b</sup>	7/24/09	20	10/28/09	20.4	1/28/10	20 <sup>b</sup>	
120		117.5–122.5	CO <sub>2</sub>	5/4/09	0.8	7/24/09	0.3	10/28/09	1	1/28/10	0	
			O <sub>2</sub>	5/4/09	20.5	7/24/09	20	10/28/09	20.3	1/28/10	19.9	

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02022	140	137.5–142.5	CO <sub>2</sub>	5/4/09	0.7	7/24/09	0.3	10/28/09	0.8	1/28/10	0
			O <sub>2</sub>	5/4/09	20.3	7/24/09	19.9	10/28/09	20.4	1/28/10	20
	160	157.5–162.5	CO <sub>2</sub>	5/4/09	0.7	7/24/09	0.2	10/28/09	0.8	1/28/10	0
			O <sub>2</sub>	5/4/09	20.5	7/24/09	19.9	10/28/09	20.3	1/28/10	19.9
	180	177.5–182.5	CO <sub>2</sub>	5/4/09	0.7	7/24/09	0.2	10/28/09	0.8	1/28/10	0
			O <sub>2</sub>	5/4/09	20.5	7/24/09	20	10/28/09	20	1/28/10	19.7
	200	197.5–202.5	CO <sub>2</sub>	5/4/09	0.6	7/24/09	0.2	10/28/09	0.7	1/28/10	0
			O <sub>2</sub>	5/4/09	20.5	7/24/09	19.9	10/28/09	20	1/28/10	19.7
54-02023	Ambient	Ambient	CO <sub>2</sub>	5/19/09	0	7/30/09	0	11/12/09	0	2/9/10	0
			O <sub>2</sub>	5/19/09	20.6	7/30/09	21	11/12/09	20.9	2/9/10	21.3
	20	10–30	CO <sub>2</sub>	5/19/09	1.2	7/30/09	0.8	11/12/09	1.4	2/9/10	1.9
			O <sub>2</sub>	5/19/09	19.3	7/30/09	19.4	11/12/09	19.4	2/9/10	19.9
	40	30–50	CO <sub>2</sub>	5/19/09	1.1	7/30/09	0.5	11/12/09	1.4	2/9/10	1.8
			O <sub>2</sub>	5/19/09	19.4	7/30/09	19.9	11/12/09	19.3	2/9/10	19.9
	60	50–70	CO <sub>2</sub>	5/19/09	0.5	7/30/09	0.2	11/12/09	0.1 <sup>b</sup>	2/9/10	0.8
			O <sub>2</sub>	5/19/09	19.6	7/30/09	20	11/12/09	20.1 <sup>b</sup>	2/9/10	20.4
	80	70–90	CO <sub>2</sub>	5/19/09	0.9	7/30/09	0.5	11/12/09	1	2/9/10	1.3
			O <sub>2</sub>	5/19/09	19.6	7/30/09	19.8	11/12/09	19.4	2/9/10	20.2
	100	90–110	CO <sub>2</sub>	5/19/09	0.9	7/30/09	0.5	11/12/09	1	2/9/10	1
			O <sub>2</sub>	5/19/09	19.6	7/30/09	20.2	11/12/09	19.4	2/9/10	20.2
	120	110–130	CO <sub>2</sub>	5/19/09	0.7	7/30/09	0 <sup>b</sup>	11/12/09	0 <sup>c</sup>	2/9/10	0 <sup>c</sup>
			O <sub>2</sub>	5/19/09	19.6	7/30/09	20.9 <sup>b</sup>	11/12/09	20.4 <sup>c</sup>	2/9/10	21.1 <sup>c</sup>
	140	130–149	CO <sub>2</sub>	5/19/09	0.6 <sup>c</sup>	7/30/09	0 <sup>b</sup>	11/12/09	0.7	2/9/10	0.9
			O <sub>2</sub>	5/19/09	20 <sup>c</sup>	7/30/09	20.9 <sup>b</sup>	11/12/09	19.6	2/9/10	20.4

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02023	159	149–169	CO <sub>2</sub>	5/19/09	0.5	7/30/09	0.3	11/12/09	0.6	2/9/10	0.8
			O <sub>2</sub>	5/19/09	20.2	7/30/09	20.3	11/12/09	19.6	2/9/10	20.4
	180	170–190	CO <sub>2</sub>	5/19/09	0.7 <sup>c</sup>	7/30/09	0.5 <sup>b</sup>	11/12/09	0	2/9/10	1 <sup>b</sup>
			O <sub>2</sub>	5/19/09	20 <sup>c</sup>	7/30/09	20 <sup>b</sup>	11/12/09	20.4	2/9/10	20.3 <sup>b</sup>
	200	190–210	CO <sub>2</sub>	5/19/09	0.4	7/30/09	0.2	11/12/09	0.6	2/9/10	0.7
			O <sub>2</sub>	5/19/09	20.6	7/30/09	20.2	11/12/09	19.8	2/9/10	20.5
54-02024	Ambient	Ambient	CO <sub>2</sub>	5/21/09	0	7/29/09	0	11/13/09	0.1	2/10/10	0
			O <sub>2</sub>	5/21/09	20.6	7/29/09	20.9	11/13/09	20.1	2/10/10	21.1
	20	10–30	CO <sub>2</sub>	5/21/09	0.6	7/29/09	0.3	11/13/09	0.7	2/10/10	0.6
			O <sub>2</sub>	5/21/09	19.9	7/29/09	20.1	11/13/09	19.6	2/10/10	20.7
	40	30–50	CO <sub>2</sub>	5/21/09	0.4	7/29/09	0.2	11/13/09	0.6	2/10/10	0.7
			O <sub>2</sub>	5/21/09	20	7/29/09	20.3	11/13/09	19.6	2/10/10	20.5
	60	50–70	CO <sub>2</sub>	5/21/09	0.5	7/29/09	0.2	11/13/09	0.7	2/10/10	0.7
			O <sub>2</sub>	5/21/09	19.9	7/29/09	20.2	11/13/09	19.4	2/10/10	20.5
	80	70–90	CO <sub>2</sub>	5/21/09	0.5	7/29/09	0.2	11/13/09	0.6	2/10/10	0.8
			O <sub>2</sub>	5/21/09	19.8	7/29/09	20.3	11/13/09	19.4	2/10/10	20.3
	100	90–110	CO <sub>2</sub>	5/21/09	0.5	7/29/09	0.2	11/13/09	0.6	2/10/10	0.8
			O <sub>2</sub>	5/21/09	19.8	7/29/09	20.3	11/13/09	19.4	2/10/10	20.2
	120	110–130	CO <sub>2</sub>	5/21/09	0.2 <sup>c</sup>	7/29/09	0.1 <sup>c</sup>	11/13/09	0.5 <sup>c</sup>	2/10/10	0.1 <sup>c</sup>
			O <sub>2</sub>	5/21/09	20.1 <sup>c</sup>	7/29/09	20.3 <sup>c</sup>	11/13/09	19.6 <sup>c</sup>	2/10/10	20.9 <sup>c</sup>
	140	130–150	CO <sub>2</sub>	5/21/09	0.5	7/29/09	0.1	11/13/09	0.6	2/10/10	0.8
			O <sub>2</sub>	5/21/09	20	7/29/09	20.3	11/13/09	19.4	2/10/10	20.4
	160	150–170	CO <sub>2</sub>	5/21/09	0.4	7/29/09	0.1	11/13/09	0.6	2/10/10	0.7
			O <sub>2</sub>	5/21/09	19.8	7/29/09	20.2	11/13/09	19.5	2/10/10	20.2



**Table 4.0-1 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)	
54-02024	180	170–190	CO <sub>2</sub>	5/21/09	0.4	7/29/09	0.1	11/13/09	0.1	2/10/10	0	
			O <sub>2</sub>	5/21/09	20	7/29/09	20.3	11/13/09	19.7	2/10/10	20.7	
	200	190–210	CO <sub>2</sub>	5/21/09	0.3	7/29/09	0.1	11/13/09	0.5	2/10/10	0.6	
			O <sub>2</sub>	5/21/09	19.7	7/29/09	20.4	11/13/09	19.5	2/10/10	20.2	
54-02025	Ambient	Ambient	CO <sub>2</sub>	5/18/09	0	7/27/09	0	11/10/09	0	2/9/10	0	
			O <sub>2</sub>	5/18/09	21.3	7/27/09	20.9	11/10/09	16.9	2/9/10	21.2	
	20	20	CO <sub>2</sub>	5/18/09	0.5	7/27/09	0.3	11/10/09	0.5	2/9/10	0.7	
			O <sub>2</sub>	5/18/09	20.4	7/27/09	20.2	11/10/09	16.2	2/9/10	20.5	
	60	60	CO <sub>2</sub>	5/18/09	0.2 <sup>b</sup>	7/27/09	0.1	11/10/09	0.1	2/9/10	0.3	
			O <sub>2</sub>	5/18/09	20.5 <sup>b</sup>	7/27/09	19.9	11/10/09	16.4	2/9/10	20.9	
	100	100	CO <sub>2</sub>	5/18/09	0.5	7/27/09	0.3	11/10/09	0.5	2/9/10	0.9	
			O <sub>2</sub>	5/18/09	20.2	7/27/09	19.9	11/10/09	15.8	2/9/10	20.3	
	160	160	CO <sub>2</sub>	5/18/09	0.4	7/27/09	0.3	11/10/09	0.7	2/9/10	0.7	
			O <sub>2</sub>	5/18/09	20.1	7/27/09	19.9	11/10/09	15.7	2/9/10	20.5	
	190	190	CO <sub>2</sub>	5/18/09	0.2	7/27/09	0.2	11/10/09	0.4	2/9/10	0.5	
			O <sub>2</sub>	5/18/09	20.4	7/27/09	19.9	11/10/09	16.2	2/9/10	20.6	
	54-02026	Ambient	Ambient	CO <sub>2</sub>	5/21/09	0	7/29/09	0	11/12/09	0	2/5/10	0
				O <sub>2</sub>	5/21/09	20.9	7/29/09	20.9	11/12/09	20.6	2/5/10	21.4
20		20	CO <sub>2</sub>	5/21/09	0.4	7/29/09	0.3	11/12/09	0.7	2/5/10	0.7	
			O <sub>2</sub>	5/21/09	20.1	7/29/09	20.3	11/12/09	19.6	2/5/10	20.9	
60		60	CO <sub>2</sub>	5/21/09	0.4	7/29/09	0.2	11/12/09	0.7	2/5/10	0.8	
			O <sub>2</sub>	5/21/09	20.1	7/29/09	20.3	11/12/09	19.6	2/5/10	20.5	
100		100	CO <sub>2</sub>	5/21/09	0.4	7/29/09	0.1	11/12/09	0.6	2/5/10	0	
			O <sub>2</sub>	5/21/09	20.1	7/29/09	20.3	11/12/09	19.5	2/5/10	20.8	

**Table 4.0-1 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02026	160	160	CO <sub>2</sub>	5/21/09	0.3	7/29/09	0	11/12/09	0.5	2/5/10	0.7
			O <sub>2</sub>	5/21/09	20.1	7/29/09	20.3	11/12/09	19.9	2/5/10	20.4
	200	200	CO <sub>2</sub>	5/21/09	0.3	7/29/09	0	11/12/09	0.5	2/5/10	0.6
			O <sub>2</sub>	5/21/09	20.4	7/29/09	20.4	11/12/09	19.9	2/5/10	20.4
	215	215	CO <sub>2</sub>	5/21/09	0.2	7/29/09	0	11/12/09	0.4	2/5/10	0
			O <sub>2</sub>	5/21/09	20.4	7/29/09	20.4	11/12/09	20	2/5/10	20.7
54-02027	Ambient	Ambient	CO <sub>2</sub>	5/20/09	0	7/28/09	0	11/10/09	0.1	2/4/10	0
			O <sub>2</sub>	5/20/09	21.3	7/28/09	21	11/10/09	20.5	2/4/10	21.5
	20	20	CO <sub>2</sub>	5/20/09	0.4	7/28/09	0.2	11/10/09	0.7	2/4/10	0.6
			O <sub>2</sub>	5/20/09	20.5	7/28/09	20.2	11/10/09	19.9	2/4/10	21.2
	60	60	CO <sub>2</sub>	5/20/09	0.3	7/28/09	0.2	11/10/09	0.6	2/4/10	0.7
			O <sub>2</sub>	5/20/09	20.4	7/28/09	20.3	11/10/09	19.1	2/4/10	20.7
	100	100	CO <sub>2</sub>	5/20/09	0.3	7/28/09	0.1	11/10/09	0.5	2/4/10	0.6
			O <sub>2</sub>	5/20/09	20.5	7/28/09	20.3	11/10/09	18.7	2/4/10	20.6
	160	160	CO <sub>2</sub>	5/20/09	0.3	7/28/09	0.1	11/10/09	0.5	2/4/10	0.6
			O <sub>2</sub>	5/20/09	20.5	7/28/09	20.3	11/10/09	18.7	2/4/10	20.4
	200	200	CO <sub>2</sub>	5/20/09	0.2	7/28/09	0	11/10/09	0.3	2/4/10	0.5
			O <sub>2</sub>	5/20/09	20.5	7/28/09	20.3	11/10/09	19	2/4/10	20.4
	220	220	CO <sub>2</sub>	5/20/09	0.2	7/28/09	0	11/10/09	0.2	2/4/10	0.5
			O <sub>2</sub>	5/20/09	20.5	7/28/09	20.3	11/10/09	19.2	2/4/10	20.5
	250	250	CO <sub>2</sub>	5/20/09	0.1	7/28/09	0	11/10/09	0	2/4/10	0.4
			O <sub>2</sub>	5/20/09	20.5	7/28/09	20.3	11/10/09	19.9	2/4/10	20.5

**Table 4.0-1 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)	
54-02028	Ambient	Ambient	CO <sub>2</sub>	5/21/09	0	7/30/09	0	11/16/09	0.1	2/10/10	0	
			O <sub>2</sub>	5/21/09	20.8	7/30/09	21.4	11/16/09	20.4	2/10/10	21.3	
	20	20	CO <sub>2</sub>	5/21/09	0.3	7/30/09	0.1	11/16/09	0.1	2/10/10	0.4	
			O <sub>2</sub>	5/21/09	20.1	7/30/09	20.8	11/16/09	20.5	2/10/10	21	
	60	60	CO <sub>2</sub>	5/21/09	0.3	7/30/09	0	11/16/09	0.5	2/10/10	0.5	
			O <sub>2</sub>	5/21/09	20	7/30/09	20.7	11/16/09	19.9	2/10/10	20.9	
	100	100	CO <sub>2</sub>	5/21/09	0.3	7/30/09	0	11/16/09	0.5	2/10/10	0.5	
			O <sub>2</sub>	5/21/09	20	7/30/09	20.7	11/16/09	20.3	2/10/10	20.8	
	160	160	CO <sub>2</sub>	5/21/09	0.2	7/30/09	0	11/16/09	0.3	2/10/10	0.4	
			O <sub>2</sub>	5/21/09	20.1	7/30/09	20.7	11/16/09	20.5	2/10/10	20.7	
	200	200	CO <sub>2</sub>	5/21/09	0.2	7/30/09	0	11/16/09	0	2/10/10	0.4	
			O <sub>2</sub>	5/21/09	20.1	7/30/09	20.7	11/16/09	20.6	2/10/10	20.7	
	220	220	CO <sub>2</sub>	5/21/09	0.1	7/30/09	0	11/16/09	0.3	2/10/10	0.3	
			O <sub>2</sub>	5/21/09	20.1	7/30/09	20.7	11/16/09	20.6	2/10/10	20.8	
	250	250	CO <sub>2</sub>	5/21/09	0.1	7/30/09	0	11/16/09	0	2/10/10	0.2	
			O <sub>2</sub>	5/21/09	20.3	7/30/09	20.7	11/16/09	20.9	2/10/10	20.7	
	54-02031	Ambient	Ambient	CO <sub>2</sub>	5/7/09	0	8/17/09	0	10/29/09	0.1	2/11/10	0
				O <sub>2</sub>	5/7/09	21.2	8/17/09	21.1	10/29/09	20.9	2/11/10	21.4
20		20	CO <sub>2</sub>	5/7/09	1.1	8/17/09	1	10/29/09	2	2/11/10	1.3	
			O <sub>2</sub>	5/7/09	20.1	8/17/09	19.4	10/29/09	19.2	2/11/10	20.6	
60		60	CO <sub>2</sub>	5/7/09	0.8	8/17/09	0.4	10/29/09	1.2	2/11/10	0.9	
			O <sub>2</sub>	5/7/09	20.2	8/17/09	20.1	10/29/09	19.7	2/11/10	20.9	
100		100	CO <sub>2</sub>	5/7/09	0.7	8/17/09	0.3	10/29/09	1	2/11/10	0.8	
			O <sub>2</sub>	5/7/09	20.4	8/17/09	20.2	10/29/09	20.1	2/11/10	21.1	
160		160	CO <sub>2</sub>	5/7/09	0.7	8/17/09	0.2	10/29/09	0.8	2/11/10	0.7	
			O <sub>2</sub>	5/7/09	20.3	8/17/09	20.1	10/29/09	19.9	2/11/10	21.1	

**Table 4.0-1 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02031	200	200	CO <sub>2</sub>	5/7/09	0.6	8/17/09	0.2	10/29/09	0.7	2/11/10	0.6
			O <sub>2</sub>	5/7/09	20.4	8/17/09	20.2	10/29/09	19.7	2/11/10	21.1
	220	220	CO <sub>2</sub>	5/7/09	0.2 <sup>c</sup>	8/17/09	0.3 <sup>b</sup>	10/29/09	0.3	2/11/10	0.7
			O <sub>2</sub>	5/7/09	21.1 <sup>c</sup>	8/17/09	20.2 <sup>b</sup>	10/29/09	20.1	2/11/10	21.3
	260	260	CO <sub>2</sub>	5/7/09	0.6	8/17/09	0.1	10/29/09	0.7	2/11/10	0.5
			O <sub>2</sub>	5/7/09	20.3	8/17/09	20.1	10/29/09	19.7	2/11/10	20
54-02034	Ambient	Ambient	CO <sub>2</sub>	5/4/09	0	7/22/09	0	10/27/09	0	2/12/10	0
			O <sub>2</sub>	5/4/09	20.8	7/22/09	21.1	10/27/09	20.5	2/12/10	21.1
	20	20	CO <sub>2</sub>	5/4/09	1.5	7/22/09	0.8	10/27/09	2.1	2/12/10	1.9
			O <sub>2</sub>	5/4/09	19.6	7/22/09	19.8	10/27/09	18.8	2/12/10	20
	60	60	CO <sub>2</sub>	5/4/09	0.9	7/22/09	0.5	10/27/09	1.2	2/12/10	1
			O <sub>2</sub>	5/4/09	20.2	7/22/09	20.1	10/27/09	19.8	2/12/10	20.2
	100	100	CO <sub>2</sub>	5/4/09	0.9	7/22/09	0.4	10/27/09	1.1	2/12/10	0.6
			O <sub>2</sub>	5/4/09	20.2	7/22/09	20.3	10/27/09	20.8	2/12/10	20.5
	160	160	CO <sub>2</sub>	5/4/09	0	7/22/09	0.3	10/27/09	0.7	2/12/10	0.2
			O <sub>2</sub>	5/4/09	21	7/22/09	20.3	10/27/09	20.9	2/12/10	20.8
	200	200	CO <sub>2</sub>	5/4/09	0.6	7/22/09	0.2	10/27/09	0.6	2/12/10	0
			O <sub>2</sub>	5/4/09	20.4	7/22/09	20.4	10/27/09	20.8	2/12/10	21.1
	220	220	CO <sub>2</sub>	5/4/09	0.6	7/22/09	0.1	10/27/09	0.6	2/12/10	0.3
			O <sub>2</sub>	5/4/09	20.5	7/22/09	20.4	10/27/09	20.5	2/12/10	20.9
	260	260	CO <sub>2</sub>	5/4/09	0.5	7/22/09	0.4	10/27/09	0.4	2/12/10	0
			O <sub>2</sub>	5/4/09	20.6	7/22/09	20.4	10/27/09	21	2/12/10	21.3
	300	300	CO <sub>2</sub>	5/4/09	0.3	7/22/09	0	10/27/09	0.2	2/12/10	0
			O <sub>2</sub>	5/4/09	20.7	7/22/09	20.7	10/27/09	21.4	2/12/10	21.1

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02089	Ambient	Ambient	CO <sub>2</sub>	5/6/09	0	7/21/09	0	11/3/09	0.1	1/26/10	0.2
			O <sub>2</sub>	5/6/09	21	7/21/09	21.2	11/3/09	20.9	1/26/10	21
	13	13	CO <sub>2</sub>	5/6/09	2.9	7/21/09	3	11/3/09	3.7	1/26/10	3.6
			O <sub>2</sub>	5/6/09	17.4	7/21/09	16.4	11/3/09	17.4	1/26/10	18.5
	31	31	CO <sub>2</sub>	5/6/09	3.6	7/21/09	2	11/3/09	3.7	1/26/10	3.7
			O <sub>2</sub>	5/6/09	16.4	7/21/09	16.8	11/3/09	16.1	1/26/10	18
	46	46	CO <sub>2</sub>	5/6/09	3.3	7/21/09	2.2	11/3/09	3.6	1/26/10	4
			O <sub>2</sub>	5/6/09	16.6	7/21/09	16.9	11/3/09	15.8	1/26/10	17.6
86	86	CO <sub>2</sub>	5/6/09	3	7/21/09	2.2	11/3/09	3.5	1/26/10	1	
		O <sub>2</sub>	5/6/09	16.7	7/21/09	16.8	11/3/09	15.8	1/26/10	21	
54-24238	Ambient	Ambient	CO <sub>2</sub>	5/13/09	0	7/21/09	0.5	11/3/09	0	2/19/10	0
			O <sub>2</sub>	5/13/09	21	7/21/09	19.5	11/3/09	21	2/19/10	21.8
	44	43–45	CO <sub>2</sub>	5/13/09	3.7	7/21/09	3.1	11/3/09	4.4	2/19/10	0
			O <sub>2</sub>	5/13/09	16.1	7/21/09	16.2	11/3/09	14.9	2/19/10	21.1
	64	63–65	CO <sub>2</sub>	5/13/09	3	7/21/09	2.3	11/3/09	3.1	2/19/10	3.4
			O <sub>2</sub>	5/13/09	16.8	7/21/09	17.1	11/3/09	16.2	2/19/10	17
	84	83–85	CO <sub>2</sub>	5/13/09	2.5	7/21/09	2	11/3/09	3.1	2/19/10	3.2
			O <sub>2</sub>	5/13/09	17.1	7/21/09	17.7	11/3/09	16.2	2/19/10	17.5
54-24239	Ambient	Ambient	CO <sub>2</sub>	5/6/09	0	7/17/09	0	11/2/09	0	2/12/10	0
			O <sub>2</sub>	5/6/09	21.2	7/17/09	21.1	11/2/09	20.9	2/12/10	21.5
	25	24–26	CO <sub>2</sub>	5/6/09	1.2	7/17/09	0.6	11/2/09	1.5	2/12/10	1.5
			O <sub>2</sub>	5/6/09	19.5	7/17/09	19.4	11/2/09	19.1	2/12/10	20.5
	50	49–51	CO <sub>2</sub>	5/6/09	1.2	7/17/09	0.6	11/2/09	1.5	2/12/10	1.7
			O <sub>2</sub>	5/6/09	19.2	7/17/09	19.3	11/2/09	18.7	2/12/10	20.2

**Table 4.0-1 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24239	75	74–76	CO <sub>2</sub>	5/6/09	1.2	7/17/09	0.6	11/2/09	1.4	2/12/10	1.7
			O <sub>2</sub>	5/6/09	18.9	7/17/09	19.3	11/2/09	18.6	2/12/10	20.3
	99.5	98.5–100.5	CO <sub>2</sub>	5/6/09	1.2	7/17/09	0.6	11/2/09	1.3	2/12/10	1.2
			O <sub>2</sub>	5/6/09	18.7	7/17/09	19.2	11/2/09	18.1	2/12/10	20.8
54-24240	Ambient	Ambient	CO <sub>2</sub>	5/14/09	0	7/17/09	0	11/2/09	0	2/12/10	0
			O <sub>2</sub>	5/14/09	21	7/17/09	20.8	11/2/09	18.6	2/12/10	21.4
	28	27–29	CO <sub>2</sub>	5/14/09	1.8	7/17/09	1.6	11/2/09	1.9	2/12/10	2.1
			O <sub>2</sub>	5/14/09	18.5	7/17/09	18	11/2/09	15.2	2/12/10	19.6
	53	52–54	CO <sub>2</sub>	5/14/09	1.8	7/17/09	1.4	11/2/09	1.9	2/12/10	2.5
			O <sub>2</sub>	5/14/09	18.3	7/17/09	18.2	11/2/09	14.8	2/12/10	19.4
	78	77–79	CO <sub>2</sub>	5/14/09	1.3	7/17/09	0.7	11/2/09	1.5	2/12/10	2
			O <sub>2</sub>	5/14/09	19.1	7/17/09	19.1	11/2/09	15.6	2/12/10	19.9
	103	102–104	CO <sub>2</sub>	5/14/09	1	7/17/09	0.6	11/2/09	1.1	2/12/10	1.5
			O <sub>2</sub>	5/14/09	19.5	7/17/09	19.1	11/2/09	16.2	2/12/10	20.3
	128	127–129	CO <sub>2</sub>	5/14/09	0.8	7/17/09	0.2	11/2/09	0.7	2/12/10	1.3
			O <sub>2</sub>	5/14/09	19.6	7/17/09	20.2	11/2/09	17.1	2/12/10	20.5
	153	152–154	CO <sub>2</sub>	5/14/09	0.8	7/17/09	0.4	11/2/09	0.6	2/12/10	1
			O <sub>2</sub>	5/14/09	19.5	7/17/09	19.8	11/2/09	17.8	2/12/10	20.8
54-24241	Ambient	Ambient	CO <sub>2</sub>	5/14/09	0	7/20/09	0	11/2/09	0	2/11/10	0
			O <sub>2</sub>	5/14/09	20.6	7/20/09	21.2	11/2/09	20.4	2/11/10	21.4
	73	71–74	CO <sub>2</sub>	5/14/09	1.9	7/20/09	1.5	11/2/09	1.8	2/11/10	1
			O <sub>2</sub>	5/14/09	18	7/20/09	18.3	11/2/09	17.4	2/11/10	20.2
	93	92–94	CO <sub>2</sub>	5/14/09	1.6	7/20/09	1.2	11/2/09	1.5	2/11/10	1.2
			O <sub>2</sub>	5/14/09	18.4	7/20/09	18.4	11/2/09	17.9	2/11/10	20.1

**Table 4.0-1 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)	
54-24241	113	112-114	CO <sub>2</sub>	5/14/09	1.4	7/20/09	0.5	11/2/09	1.4	2/11/10	1.6	
			O <sub>2</sub>	5/14/09	18.7	7/20/09	19	11/2/09	17.9	2/11/10	19.7	
	133	132-134	CO <sub>2</sub>	5/14/09	1	7/20/09	0.7	11/2/09	0.7	2/11/10	1.2	
			O <sub>2</sub>	5/14/09	19.2	7/20/09	18.9	11/2/09	19.1	2/11/10	20.2	
	153	152-154	CO <sub>2</sub>	5/14/09	1	7/20/09	0.6	11/2/09	0.8	2/11/10	1	
			O <sub>2</sub>	5/14/09	19	7/20/09	18.9	11/2/09	19.1	2/11/10	20.4	
	173	172-174	CO <sub>2</sub>	5/14/09	0.9	7/20/09	0.5	11/2/09	0.8	2/11/10	1	
			O <sub>2</sub>	5/14/09	19.2	7/20/09	18.7	11/2/09	19.1	2/11/10	20.5	
	193	192-194	CO <sub>2</sub>	5/14/09	0.9	7/20/09	0.5	11/2/09	1.1	2/11/10	1.1	
			O <sub>2</sub>	5/14/09	19.3	7/20/09	18.7	11/2/09	18.8	2/11/10	20.4	
	54-24242	Ambient	Ambient	CO <sub>2</sub>	5/11/09	0	7/16/09	0	11/2/09	0	2/12/10	0
				O <sub>2</sub>	5/11/09	20.9	7/16/09	21.1	11/2/09	21.2	2/12/10	21.5
25		24-26	CO <sub>2</sub>	5/11/09	1	7/16/09	0.6	11/2/09	1.4	2/12/10	1.3	
			O <sub>2</sub>	5/11/09	19.6	7/16/09	19.5	11/2/09	18.8	2/12/10	20.2	
50		49-51	CO <sub>2</sub>	5/11/09	1	7/16/09	0.6	11/2/09	1.2	2/12/10	1.2	
			O <sub>2</sub>	5/11/09	19.2	7/16/09	19.1	11/2/09	18.6	2/12/10	20.7	
75		74-76	CO <sub>2</sub>	5/11/09	1.1	7/16/09	0.7	11/2/09	1.3	2/12/10	1.3	
			O <sub>2</sub>	5/11/09	19.3	7/16/09	19.1	11/2/09	18.1	2/12/10	20.5	
100		99-101	CO <sub>2</sub>	5/11/09	1	7/16/09	0.6	11/2/09	1.3	2/12/10	1.6	
			O <sub>2</sub>	5/11/09	19.3	7/16/09	19.1	11/2/09	18.2	2/12/10	20.3	
110.5		109.5-111.5	CO <sub>2</sub>	5/11/09	0.9	7/16/09	0.6	11/2/09	0.9	2/12/10	0.9	
			O <sub>2</sub>	5/11/09	19.2	7/16/09	19	11/2/09	18.7	2/12/10	20.9	

**Table 4.0-1 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)	
54-24243	Ambient	Ambient	CO <sub>2</sub>	5/15/09	0	7/23/09	0	11/12/09	0.1	2/10/10	0	
			O <sub>2</sub>	5/15/09	21.3	7/23/09	20.8	11/12/09	20.6	2/10/10	21.2	
	25	24–26	CO <sub>2</sub>	5/15/09	1.2	7/23/09	1	11/12/09	2	2/10/10	1.9	
			O <sub>2</sub>	5/15/09	19.2	7/23/09	18.5	11/12/09	18.6	2/10/10	19.5	
	50	49–51	CO <sub>2</sub>	5/15/09	1.7	7/23/09	1.4	11/12/09	2.5	2/10/10	2.6	
			O <sub>2</sub>	5/15/09	18.6	7/23/09	18.4	11/12/09	17.7	2/10/10	18.4	
	75	74–76	CO <sub>2</sub>	5/15/09	1.7	7/23/09	0	11/12/09	2.2	2/10/10	2.5	
			O <sub>2</sub>	5/15/09	18.3	7/23/09	20.6	11/12/09	17.7	2/10/10	18.6	
	100	99–101	CO <sub>2</sub>	5/15/09	1.4	7/23/09	0	11/12/09	1.9	2/10/10	2.3	
			O <sub>2</sub>	5/15/09	18.6	7/23/09	20.8	11/12/09	18.1	2/10/10	18.9	
	125	124–126	CO <sub>2</sub>	5/15/09	1.2	7/23/09	0.8	11/12/09	1.8	2/10/10	2	
			O <sub>2</sub>	5/15/09	18.9	7/23/09	18.9	11/12/09	18.5	2/10/10	19.1	
	54-24399	Ambient	Ambient	CO <sub>2</sub>	5/11/09	0	8/12/09	0	12/7/09	0	3/2/10	0
				O <sub>2</sub>	5/11/09	21.1	8/12/09	21.2	12/7/09	20.1	3/2/10	21.5
550		550–608	CO <sub>2</sub>	5/11/09	0	8/12/09	0	12/7/09	0.2	3/2/10	0	
			O <sub>2</sub>	5/11/09	20.5	8/12/09	20.7	12/7/09	19.8	3/2/10	21.1	
54-27641	Ambient	Ambient	CO <sub>2</sub>	5/13/09	0	8/17/09	0	11/3/09	0.1	2/12/10	0	
			O <sub>2</sub>	5/13/09	20.6	8/17/09	21.2	11/3/09	20.6	2/12/10	21.5	
	32	29.5–34.5	CO <sub>2</sub>	5/13/09	1	8/17/09	0.8	11/3/09	1.9	2/12/10	1.6	
			O <sub>2</sub>	5/13/09	19.6	8/17/09	19.3	11/3/09	18.8	2/12/10	20.1	
	82	79.5–84.5	CO <sub>2</sub>	5/13/09	0.8	8/17/09	0.5	11/3/09	1.4	2/12/10	1.2	
			O <sub>2</sub>	5/13/09	19.4	8/17/09	19.8	11/3/09	19.2	2/12/10	20.4	
	115	112.5–117.5	CO <sub>2</sub>	5/13/09	0.7	8/17/09	0.5	11/3/09	1.2	2/12/10	0.6	
			O <sub>2</sub>	5/13/09	19.5	8/17/09	19.8	11/3/09	19.4	2/12/10	20.8	
	182	179.5–184.5	CO <sub>2</sub>	5/13/09	0.5	8/17/09	0.3	11/3/09	0.9	2/12/10	0.4	
			O <sub>2</sub>	5/13/09	19.6	8/17/09	19.9	11/3/09	19.6	2/12/10	21.1	



**Table 4.0-1 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)	
54-27641	232	229.5–234.5	CO <sub>2</sub>	5/13/09	0.4	8/17/09	0.2	11/3/09	0.7	2/12/10	0.2	
			O <sub>2</sub>	5/13/09	19.7	8/17/09	19.9	11/3/09	19.7	2/12/10	21.4	
	271	268.5–273.5	CO <sub>2</sub>	5/13/09	0.2	8/17/09	0.1	11/3/09	0.6	2/12/10	0	
			O <sub>2</sub>	5/13/09	19.7	8/17/09	20	11/3/09	20	2/12/10	21.6	
	332.5	330–335	CO <sub>2</sub>	5/13/09	0	8/17/09	0	11/3/09	0.2	2/12/10	0	
			O <sub>2</sub>	5/13/09	20.2	8/17/09	20.2	11/3/09	20.1	2/12/10	21.6	
54-27642	Ambient	Ambient	CO <sub>2</sub>	5/7/09	0	7/21/09	0	11/9/09	0.1	1/26/10	0	
			O <sub>2</sub>	5/7/09	21.3	7/21/09	21.1	11/9/09	20.5	1/26/10	20.3	
	30	27.5–32.5	CO <sub>2</sub>	5/7/09	2.2	7/21/09	1.7	11/9/09	2.5	1/26/10	2.3	
			O <sub>2</sub>	5/7/09	18.5	7/21/09	18.2	11/9/09	17.8	1/26/10	19.1	
	75	71.5–76.5	CO <sub>2</sub>	5/7/09	1.8	7/21/09	1.3	11/9/09	0.1	1/26/10	1.7	
			O <sub>2</sub>	5/7/09	18.9	7/21/09	18.8	11/9/09	20.5	1/26/10	19.8	
	116	114.5–119.5	CO <sub>2</sub>	5/7/09	2.3	7/21/09	1.9	11/9/09	2.8	1/26/10	3.2	
			O <sub>2</sub>	5/7/09	18.2	7/21/09	17.9	11/9/09	17.1	1/26/10	17.6	
	175	172.5–177.5	CO <sub>2</sub>	5/7/09	1.1	7/21/09	0.6	11/9/09	1.2	1/26/10	1.7	
			O <sub>2</sub>	5/7/09	19.6	7/21/09	19.4	11/9/09	19.2	1/26/10	19.2	
	235	232.5–237.5	CO <sub>2</sub>	5/7/09	0.8	7/21/09	0.4	11/9/09	0.9	1/26/10	1.3	
			O <sub>2</sub>	5/7/09	19.7	7/21/09	19.9	11/9/09	19.3	1/26/10	19.6	
	275	272.5–277.5	CO <sub>2</sub>	5/7/09	0.7	7/21/09	0.2	11/9/09	0.6	1/26/10	0.9	
			O <sub>2</sub>	5/7/09	20.9	7/21/09	20.1	11/9/09	19.6	1/26/10	19.8	
	338	335.5–340.5	CO <sub>2</sub>	5/7/09	0.5	7/21/09	0	11/9/09	0.4	1/26/10	0.5	
			O <sub>2</sub>	5/7/09	20.3	7/21/09	20.8	11/9/09	20	1/26/10	20.2	
	54-27643	Ambient	Ambient	CO <sub>2</sub>	5/15/09	0	7/23/09	0	11/10/09	0	2/9/10	0.3
				O <sub>2</sub>	5/15/09	21.1	7/23/09	21	11/10/09	17.1	2/9/10	21.1
30		27.5–32.5	CO <sub>2</sub>	5/15/09	0.8	7/23/09	0.5	11/10/09	1.1	2/9/10	1	
			O <sub>2</sub>	5/15/09	19.7	7/23/09	20	11/10/09	16.9	2/9/10	20.2	

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Interval (ft bgs)	Analyte	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)	
54-27643	74	71.5–76.5	CO <sub>2</sub>	5/15/09	0.9	7/23/09	0.5	11/10/09	0.9	2/9/10	1.4	
			O <sub>2</sub>	5/15/09	19.6	7/23/09	19.8	11/10/09	15.8	2/9/10	20	
	117	114.5–119.5	CO <sub>2</sub>	5/15/09	0.8	7/23/09	0.4	11/10/09	0.7	2/9/10	1	
			O <sub>2</sub>	5/15/09	19.6	7/23/09	19.8	11/10/09	16.2	2/9/10	20.1	
	167	164.5–169.5	CO <sub>2</sub>	5/15/09	0.6	7/23/09	0.3	11/10/09	0.6	2/9/10	0.9	
			O <sub>2</sub>	5/15/09	19.7	7/23/09	19.8	11/10/09	16.6	2/9/10	20.4	
	235	232.5–237.5	CO <sub>2</sub>	5/15/09	0.4	7/23/09	0.2	11/10/09	0.5	2/9/10	0	
			O <sub>2</sub>	5/15/09	19.7	7/23/09	19.8	11/10/09	17.8	2/9/10	21.1	
	275	272.5–277.5	CO <sub>2</sub>	5/15/09	0.3	7/23/09	0.1	11/10/09	0.5	2/9/10	0	
			O <sub>2</sub>	5/15/09	19.9	7/23/09	19.9	11/10/09	18.8	2/9/10	21	
	354	351.5–356.5	CO <sub>2</sub>	5/15/09	0.1	7/23/09	0	11/10/09	0.3	2/9/10	0	
			O <sub>2</sub>	5/15/09	20.2	7/23/09	20.1	11/10/09	19.3	2/9/10	21.1	
	54-610786	Ambient	Ambient	CO <sub>2</sub>	NS	NS	NS	NS	12/22/09	0	2/5/10	0
				O <sub>2</sub>	NS	NS	NS	NS	12/22/09	20.1	2/5/10	21.5
25		22.5–27.5	CO <sub>2</sub>	NS	NS	NS	NS	12/22/09	1.1	2/5/10	0.8	
			O <sub>2</sub>	NS	NS	NS	NS	12/22/09	20	2/5/10	20.7	
50		47.5–52.5	CO <sub>2</sub>	NS	NS	NS	NS	12/22/09	1.3	2/5/10	1.5	
			O <sub>2</sub>	NS	NS	NS	NS	12/22/09	19.2	2/5/10	20.3	
75		72.5–77.5	CO <sub>2</sub>	NS	NS	NS	NS	12/22/09	0	2/5/10	1.4	
			O <sub>2</sub>	NS	NS	NS	NS	12/22/09	18.8	2/5/10	20.6	
100		97.5–102.5	CO <sub>2</sub>	NS	NS	NS	NS	12/22/09	0	2/5/10	1.2	
			O <sub>2</sub>	NS	NS	NS	NS	12/22/09	19.1	2/5/10	20.7	
54-610786	118.5	116–121	CO <sub>2</sub>	NS	NS	NS	NS	12/22/09	0.4	2/5/10	1	
			O <sub>2</sub>	NS	NS	NS	NS	12/22/09	19.2	2/5/10	20.7	

<sup>a</sup> NS = Not sampled.

<sup>b</sup> Partially blocked port. Results may not be representative of sample depth.

<sup>c</sup> Blocked port.

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

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	803,000	8/4/09	832,000	11/17/09	891,000	NS <sup>a</sup>	NS
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	533	8/4/09	-137	11/17/09	130	NS	NS
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	56.6 <sup>b</sup>	8/4/09	8,570,000	11/17/09	5,270,000	NS	NS
			PCE (µg/m <sup>3</sup> )	5/27/09	2200	8/4/09	1400	11/17/09	4630	NS	NS
			Pressure differential (kPa)	5/27/09	0	8/4/09	0	11/17/09	0	NS	NS
			TCA (µg/m <sup>3</sup> )	5/27/09	-4700	8/4/09	447	11/17/09	2690	NS	NS
			TCE (µg/m <sup>3</sup> )	5/27/09	-925	8/4/09	1310	11/17/09	1960	NS	NS
	37.6	36-46	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	1,420,000	8/4/09	3,520,000	11/17/09	3,390,000	NS	NS
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	360	8/4/09	230	11/17/09	-423	NS	NS
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	11 <sup>b</sup>	8/4/09	10,900,000	11/17/09	10,400,000	NS	NS
			PCE (µg/m <sup>3</sup> )	5/27/09	-1200	8/4/09	2660	11/17/09	5050	NS	NS
			Pressure differential (kPa)	5/27/09	-0.06	8/4/09	-0.05	11/17/09	0.05	NS	NS
			TCA (µg/m <sup>3</sup> )	5/27/09	-819	8/4/09	9910	11/17/09	-3000	NS	NS
			TCE (µg/m <sup>3</sup> )	5/27/09	-2600	8/4/09	3790	11/17/09	8120	NS	NS
	165.4	182-192	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	2,070,000	8/4/09	4,600,000	11/17/09	2,980,000	NS	NS
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	44	8/4/09	873	11/17/09	1930	NS	NS
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	3.23 <sup>b</sup>	8/4/09	12,100,000	11/17/09	11,300,000	NS	NS
			PCE (µg/m <sup>3</sup> )	5/27/09	-1400	8/4/09	7670	11/17/09	7350	NS	NS
			Pressure differential (kPa)	5/27/09	-0.1	8/4/09	-0.07	11/17/09	-0.2	NS	NS
			TCA (µg/m <sup>3</sup> )	5/27/09	1240	8/4/09	19,000	11/17/09	-3800	NS	NS
			TCE (µg/m <sup>3</sup> )	5/27/09	-1800	8/4/09	9250	11/17/09	473	NS	NS

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015 (cont.)	308.3	340–352	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	1,580,000	8/4/09	3,880,000	11/17/09	3,860,000	NS	NS
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	-462	8/4/09	-1300	11/17/09	-418	NS	NS
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	0.234 <sup>b</sup>	8/4/09	12,100,000	11/17/09	12,300,000	NS	NS
			PCE (µg/m <sup>3</sup> )	5/27/09	-1500	8/4/09	845	11/17/09	5610	NS	NS
			Pressure differential (kPa)	5/27/09	0	8/4/09	0	11/17/09	0	NS	NS
			TCA (µg/m <sup>3</sup> )	5/27/09	2870	8/4/09	2220	11/17/09	-7300	NS	NS
			TCE (µg/m <sup>3</sup> )	5/27/09	4	8/4/09	7960	11/17/09	9240	NS	NS
	333.3	375–385	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	1,300,000	8/4/09	2,300,000	11/17/09	3,090,000	NS	NS
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	107	8/4/09	-228	11/17/09	-281	NS	NS
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	-3.8 <sup>b</sup>	8/4/09	11,900,000	11/17/09	14,600,000	NS	NS
			PCE (µg/m <sup>3</sup> )	5/27/09	-951	8/4/09	222	11/17/09	3410	NS	NS
			Pressure differential (kPa)	5/27/09	-0.05	8/4/09	-0.02	11/17/09	0	NS	NS
			TCA (µg/m <sup>3</sup> )	5/27/09	2810	8/4/09	2440	11/17/09	-5700	NS	NS
			TCE (µg/m <sup>3</sup> )	5/27/09	-2000	8/4/09	2310	11/17/09	4000	NS	NS
	377.7	425–435	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	1,800,000	8/4/09	2,090,000	11/17/09	3,030,000	NS	NS
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	238	8/4/09	-116	11/17/09	-162	NS	NS
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	1.81 <sup>b</sup>	8/4/09	11,900,000	11/17/09	13,900,000	NS	NS
			PCE (µg/m <sup>3</sup> )	5/27/09	-1400	8/4/09	1410	11/17/09	2570	NS	NS
			Pressure differential (kPa)	5/27/09	-0.05	8/4/09	-0.02	11/17/09	0	NS	NS
			TCA (µg/m <sup>3</sup> )	5/27/09	-103	8/4/09	3230	11/17/09	-5400	NS	NS
			TCE (µg/m <sup>3</sup> )	5/27/09	-2500	8/4/09	1750	11/17/09	3060	NS	NS

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015 (cont.)	426.5	480–490	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	1,840,000	8/4/09	1,960,000	11/17/09	2,630,000	NS	NS
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	-64	8/4/09	203	11/17/09	-109	NS	NS
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	-2.5 <sup>b</sup>	8/4/09	12,000,000	11/17/09	13,200,000	NS	NS
			PCE (µg/m <sup>3</sup> )	5/27/09	-1200	8/4/09	1470	11/17/09	2270	NS	NS
			Pressure differential (kPa)	5/27/09	-0.04	8/4/09	0	11/17/09	0	NS	NS
			TCA (µg/m <sup>3</sup> )	5/27/09	2340	8/4/09	6080	11/17/09	-4500	NS	NS
			TCE (µg/m <sup>3</sup> )	5/27/09	-1800	8/4/09	2080	11/17/09	2580	NS	NS
	462.1	520–530	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	1,040,000	8/4/09	2,320,000	11/17/09	2,460,000	NS	NS
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	316	8/4/09	185	11/17/09	-281	NS	NS
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	-6.3 <sup>b</sup>	8/4/09	14,400,000	11/17/09	10,700,000	NS	NS
			PCE (µg/m <sup>3</sup> )	5/27/09	-1200	8/4/09	1820	11/17/09	2210	NS	NS
			Pressure differential (kPa)	5/27/09	0	8/4/09	0	11/17/09	0	NS	NS
			TCA (µg/m <sup>3</sup> )	5/27/09	5580	8/4/09	3860	11/17/09	-3200	NS	NS
			TCE (µg/m <sup>3</sup> )	5/27/09	-2600	8/4/09	56.7	11/17/09	2550	NS	NS
54-01016	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	1,170,000	8/4/09	821,000	11/17/09	980,000	2/1/10	962,000 <sup>c</sup>
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	1050	8/4/09	63.5	11/17/09	190	2/1/10	204 <sup>c</sup>
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	-11 <sup>b</sup>	8/4/09	7,640,000	11/17/09	4,950,000	2/1/10	4,500,000 <sup>c</sup>
			PCE (µg/m <sup>3</sup> )	5/27/09	-721	8/4/09	1030	11/17/09	1790	2/1/10	4640 <sup>c</sup>
			Pressure differential (kPa)	5/27/09	0	8/4/09	0	11/17/09	0	2/1/10	NS
			TCA (µg/m <sup>3</sup> )	5/27/09	7200	8/4/09	-1700	11/17/09	-2800	2/1/10	-3700 <sup>c</sup>
			TCE (µg/m <sup>3</sup> )	5/27/09	-5100	8/4/09	696	11/17/09	4270	2/1/10	2910 <sup>c</sup>

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01016 (cont.)	30.8	30–40	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	2,620,000	8/4/09	5,120,000	11/17/09	5,310,000	2/1/10	923,000 <sup>c</sup>
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	1580	8/4/09	1400	11/17/09	2160	2/1/10	130 <sup>c</sup>
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	17.8 <sup>b</sup>	8/4/09	10,900,000	11/17/09	10,900,000	2/1/10	4,980,000 <sup>c</sup>
			PCE (µg/m <sup>3</sup> )	5/27/09	-2800	8/4/09	10,300	11/17/09	13,700	2/1/10	3930 <sup>c</sup>
			Pressure differential (kPa)	5/27/09	0.02	8/4/09	-0.02	11/17/09	0	2/1/10	0 <sup>c</sup>
			TCA (µg/m <sup>3</sup> )	5/27/09	-8600	8/4/09	27,600	11/17/09	-5500	2/1/10	-3600 <sup>c</sup>
			TCE (µg/m <sup>3</sup> )	5/27/09	-4300	8/4/09	9010	11/17/09	10,500	2/1/10	2250 <sup>c</sup>
	162.2	178–190	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	2,990,000	8/4/09	8,570,000	11/17/09	8,820,000	2/1/10	926,000 <sup>c</sup>
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	-191	8/4/09	16,100	11/17/09	20,500	2/1/10	41.4 <sup>c</sup>
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	33.7 <sup>b</sup>	8/4/09	12,200,000	11/17/09	14,000,000	2/1/10	5,040,000 <sup>c</sup>
			PCE (µg/m <sup>3</sup> )	5/27/09	-806,000	8/4/09	81,300	11/17/09	83,100	2/1/10	3160 <sup>c</sup>
			Pressure differential (kPa)	5/27/09	0	8/4/09	0	11/17/09	0	2/1/10	0 <sup>c</sup>
			TCA (µg/m <sup>3</sup> )	5/27/09	-8900	8/4/09	149,000	11/17/09	92,500	2/1/10	-2900 <sup>c</sup>
			TCE (µg/m <sup>3</sup> )	5/27/09	-1800	8/4/09	57,000	11/17/09	47,200	2/1/10	2870 <sup>c</sup>
	274.7	318–324	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	2,570,000	8/4/09	4,140,000	11/17/09	4,170,000	2/1/10	896,000 <sup>c</sup>
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	719	8/4/09	1570	11/17/09	2340	2/1/10	142 <sup>c</sup>
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	36.3 <sup>b</sup>	8/4/09	11,900,000	11/17/09	15,100,000	2/1/10	4,780,000 <sup>c</sup>
			PCE (µg/m <sup>3</sup> )	5/27/09	1850	8/4/09	10,300	11/17/09	15,000	2/1/10	3670 <sup>c</sup>
			Pressure differential (kPa)	5/27/09	-0.02	8/4/09	0	11/17/09	0	2/1/10	0 <sup>c</sup>
			TCA (µg/m <sup>3</sup> )	5/27/09	-13,000	8/4/09	14,800	11/17/09	-11,000	2/1/10	-3000 <sup>c</sup>
			TCE (µg/m <sup>3</sup> )	5/27/09	-4800	8/4/09	13,300	11/17/09	9240	2/1/10	2340 <sup>c</sup>

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010		
				Date	Result	Date	Result	Date	Result	Date	Result	
54-01016 (cont.)	336.3	386–396	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	1,170,000	8/4/09	961,000 <sup>d</sup>	11/17/09	1,190,000	2/1/10	907,000 <sup>c</sup>	
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	2450	8/4/09	-357 <sup>d</sup>	11/17/09	-821	2/1/10	93.6 <sup>c</sup>	
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	26 <sup>b</sup>	8/4/09	11,734,000 <sup>d</sup>	11/17/09	16,300,000	2/1/10	4,980,000 <sup>c</sup>	
				PCE (µg/m <sup>3</sup> )	5/27/09	2560	8/4/09	9200 <sup>d</sup>	11/17/09	2250	2/1/10	3280 <sup>c</sup>
				Pressure differential (kPa)	5/27/09	-0.03	8/4/09	0 <sup>d</sup>	11/17/09	0	2/1/10	0 <sup>c</sup>
				TCA (µg/m <sup>3</sup> )	5/27/09	-4500	8/4/09	797 <sup>d</sup>	11/17/09	-6900	2/1/10	-2700 <sup>c</sup>
				TCE (µg/m <sup>3</sup> )	5/27/09	-8000	8/4/09	11,600 <sup>d</sup>	11/17/09	5730	2/1/10	2180 <sup>c</sup>
				CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	NS	8/4/09	NS	11/17/09	NS	2/1/10	914,000 <sup>c</sup>
				Freon-11 (µg/m <sup>3</sup> )	5/27/09	NS	8/4/09	NS	11/17/09	NS	2/1/10	108 <sup>c</sup>
	414.3	473–483		H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	NS	8/4/09	NS	11/17/09	NS	2/1/10	4,870,000 <sup>c</sup>
				PCE (µg/m <sup>3</sup> )	5/27/09	NS	8/4/09	NS	11/17/09	NS	2/1/10	2970 <sup>c</sup>
				Pressure differential (kPa)	5/27/09	0 <sup>e</sup>	8/4/09	0 <sup>e</sup>	11/17/09	0 <sup>e</sup>	2/1/10	0 <sup>c</sup>
				TCA (µg/m <sup>3</sup> )	5/27/09	NS	8/4/09	NS	11/17/09	NS	2/1/10	-2900 <sup>c</sup>
TCE (µg/m <sup>3</sup> )				5/27/09	NS	8/4/09	NS	11/17/09	NS	2/1/10	2080 <sup>c</sup>	
CO <sub>2</sub> (µg/m <sup>3</sup> )				5/27/09	NS	8/4/09	NS	11/17/09	762,000 <sup>d</sup>	2/1/10	893,000 <sup>c</sup>	
Freon-11 (µg/m <sup>3</sup> )				5/27/09	NS	8/4/09	NS	11/17/09	-2.7 <sup>d</sup>	2/1/10	89.2 <sup>c</sup>	
459.5	530–540		H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	NS	8/4/09	NS	11/17/09	6,940,000 <sup>d</sup>	2/1/10	4,790,000 <sup>c</sup>	
			PCE (µg/m <sup>3</sup> )	5/27/09	NS	8/4/09	NS	11/17/09	2520 <sup>d</sup>	2/1/10	2190 <sup>c</sup>	
			Pressure differential (kPa)	5/27/09	-0.02 <sup>e</sup>	8/4/09	0 <sup>e</sup>	11/17/09	0 <sup>d</sup>	2/1/10	0 <sup>c</sup>	
			TCA (µg/m <sup>3</sup> )	5/27/09	NS	8/4/09	NS	11/17/09	-3200 <sup>d</sup>	2/1/10	-1800 <sup>c</sup>	
			TCE (µg/m <sup>3</sup> )	5/27/09	NS	8/4/09	NS	11/17/09	2580 <sup>d</sup>	2/1/10	2380 <sup>c</sup>	

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01016 (cont.)	517.6	592-602	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/27/09	2,000,000	8/4/09	881,000 <sup>d</sup>	11/17/09	1,010,000	2/1/10	965,000 <sup>c</sup>
			Freon-11 (µg/m <sup>3</sup> )	5/27/09	-727	8/4/09	87.3 <sup>d</sup>	11/17/09	87.5	2/1/10	19.3 <sup>c</sup>
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/27/09	11.1 <sup>b</sup>	8/4/09	9,550,000 <sup>d</sup>	11/17/09	7,500,000	2/1/10	5,120,000 <sup>c</sup>
			PCE (µg/m <sup>3</sup> )	5/27/09	-6200	8/4/09	-446 <sup>d</sup>	11/17/09	3700	2/1/10	2440 <sup>c</sup>
			Pressure differential (kPa)	5/27/09	-0.01	8/4/09	0 <sup>d</sup>	11/17/09	0	2/1/10	0 <sup>c</sup>
			TCA (µg/m <sup>3</sup> )	5/27/09	5550	8/4/09	1060 <sup>d</sup>	11/17/09	-1500	2/1/10	-2800 <sup>c</sup>
			TCE (µg/m <sup>3</sup> )	5/27/09	349	8/4/09	1590 <sup>d</sup>	11/17/09	3130	2/1/10	2010 <sup>c</sup>
54-02001	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	765,000	8/18/09	820,000	10/27/09	956,000	1/28/10	1,020,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	-348	8/18/09	-754	10/27/09	1340	1/28/10	11
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	38 <sup>b</sup>	8/18/09	10,400,000	10/27/09	6,110,000	1/28/10	7,520,000
			PCE (µg/m <sup>3</sup> )	5/5/09	-2000	8/18/09	1780	10/27/09	-5800	1/28/10	3420
			Pressure differential (kPa)	5/5/09	0	8/18/09	0	10/27/09	0	1/28/10	0
			TCA (µg/m <sup>3</sup> )	5/5/09	-3000	8/18/09	-2300	10/27/09	3900	1/28/10	-6100
			TCE (µg/m <sup>3</sup> )	5/5/09	-1000	8/18/09	3220	10/27/09	8690	1/28/10	2840
	20	17.5-22.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	13,700,000	8/18/09	17,300,000	10/27/09	18,700,000	1/28/10	2,680,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	379	8/18/09	11,000	10/27/09	22,900	1/28/10	2060
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	57.8 <sup>b</sup>	8/18/09	14,200,000	10/27/09	13,600,000	1/28/10	7,500,000
			PCE (µg/m <sup>3</sup> )	5/5/09	156,000	8/18/09	172,000	10/27/09	159,000	1/28/10	21,900
	20	17.5-22.5	Pressure differential (kPa)	5/5/09	0.02	8/18/09	0	10/27/09	0.1	1/28/10	0
			TCA (µg/m <sup>3</sup> )	5/5/09	1,040,000	8/18/09	852,000	10/27/09	717,000	1/28/10	65,800
			TCE (µg/m <sup>3</sup> )	5/5/09	520,000	8/18/09	408,000	10/27/09	413,000	1/28/10	56,100



Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001 (cont.)	40	37.5–42.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	15,700,000	8/18/09	16,500,000	10/27/09	17,500,000	1/28/10	8,690,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	9630	8/18/09	16,300	10/27/09	22,300	1/28/10	10,700
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	59.2 <sup>b</sup>	8/18/09	14,000,000	10/27/09	15,400,000	1/28/10	6,860,000
			PCE (µg/m <sup>3</sup> )	5/5/09	269,000	8/18/09	289,000	10/27/09	262,000	1/28/10	124,000
			Pressure differential (kPa)	5/5/09	0	8/18/09	-0.02	10/27/09	0	1/28/10	0
			TCA (µg/m <sup>3</sup> )	5/5/09	1,520,000	8/18/09	1,310,000	10/27/09	1,170,000	1/28/10	479,000
			TCE (µg/m <sup>3</sup> )	5/5/09	522,000	8/18/09	400,000	10/27/09	377,000	1/28/10	206,000
	60	57.5–62.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	37,800,000	8/18/09	5,610,000 <sup>f</sup>	10/27/09	6,180,000	1/28/10	1,270,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	2360	8/18/09	4860 <sup>f</sup>	10/27/09	6430	1/28/10	838
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	63.2 <sup>b</sup>	8/18/09	17,900,000 <sup>f</sup>	10/27/09	10,200,000	1/28/10	5,980,000
			PCE (µg/m <sup>3</sup> )	5/5/09	66,900	8/18/09	91,100 <sup>f</sup>	10/27/09	85,600	1/28/10	9250
			Pressure differential (kPa)	5/5/09	0	8/18/09	0 <sup>f</sup>	10/27/09	0.11	1/28/10	0.08
			TCA (µg/m <sup>3</sup> )	5/5/09	285,000	8/18/09	390,000 <sup>f</sup>	10/27/09	365,000	1/28/10	13,800
			TCE (µg/m <sup>3</sup> )	5/5/09	95,500	8/18/09	103,000 <sup>f</sup>	10/27/09	97,700	1/28/10	7930
	80	77.5–82.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	13,400,000	8/18/09	15,900,000	10/27/09	15,000,000	1/28/10	1,110,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	9610	8/18/09	15,700	10/27/09	19,200	1/28/10	-125
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	60.8 <sup>b</sup>	8/18/09	13,600,000	10/27/09	14,400,000	1/28/10	6,590,000
			PCE (µg/m <sup>3</sup> )	5/5/09	177,000	8/18/09	265,000	10/27/09	209,000	1/28/10	4390
			Pressure differential (kPa)	5/5/09	0.02	8/18/09	-0.06	10/27/09	0.36	1/28/10	0.07
			TCA (µg/m <sup>3</sup> )	5/5/09	1020	8/18/09	1,270,000	10/27/09	1,050,000	1/28/10	-2900
			TCE (µg/m <sup>3</sup> )	5/5/09	259,000	8/18/09	283,000	10/27/09	249,000	1/28/10	3460

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001 (cont.)	100	97.5–102.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	8,570,000	8/18/09	9,430,000	10/27/09	12,500,000	1/28/10	1,020,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	6410	8/18/09	7600	10/27/09	12,200	1/28/10	280
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	55.7 <sup>b</sup>	8/18/09	12,300,000	10/27/09	12,800,000	1/28/10	5,920,000
			PCE (µg/m <sup>3</sup> )	5/5/09	117,000	8/18/09	140,000	10/27/09	149,000	1/28/10	5250
			Pressure differential (kPa)	5/5/09	0	8/18/09	-0.05	10/27/09	0.15	1/28/10	0.05
			TCA (µg/m <sup>3</sup> )	5/5/09	699,000	8/18/09	723,000	10/27/09	843,000	1/28/10	1010
			TCE (µg/m <sup>3</sup> )	5/5/09	176,000	8/18/09	161,000	10/27/09	188,000	1/28/10	3370
	120	117.5–122.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	12,400,000	8/18/09	12,900,000	10/27/09	12,500,000	1/28/10	959,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	98,500	8/18/09	12,100	10/27/09	14,100	1/28/10	78.7
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	58.8 <sup>b</sup>	8/18/09	14,800,000	10/27/09	12,900,000	1/28/10	6,530,000
			PCE (µg/m <sup>3</sup> )	5/5/09	116,000	8/18/09	131,000	10/27/09	136,000	1/28/10	3250
			Pressure differential (kPa)	5/5/09	0.02	8/18/09	-0.09	10/27/09	0.85	1/28/10	-0.11
			TCA (µg/m <sup>3</sup> )	5/5/09	1,060,000	8/18/09	999,000	10/27/09	850,000	1/28/10	-2000
			TCE (µg/m <sup>3</sup> )	5/5/09	234,000	8/18/09	193,000	10/27/09	163,000	1/28/10	2610
	140	137.5–142.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	13,400,000	8/18/09	13,900,000	10/27/09	12,600,000	1/28/10	965,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	11,700	8/18/09	12,300	10/27/09	14,200	1/28/10	635
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	61.2 <sup>b</sup>	8/18/09	15,100,000	10/27/09	14,100,000	1/28/10	6,630,000
			PCE (µg/m <sup>3</sup> )	5/5/09	135,000	8/18/09	149,000	10/27/09	130,000	1/28/10	3560
			Pressure differential (kPa)	5/5/09	0.02	8/18/09	-0.1	10/27/09	0.68	1/28/10	0.11
			TCA (µg/m <sup>3</sup> )	5/5/09	1,140,000	8/18/09	1,080,000	10/27/09	883,000	1/28/10	-2400
			TCE (µg/m <sup>3</sup> )	5/5/09	249,000	8/18/09	209,000	10/27/09	175,000	1/28/10	1850

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001 (cont.)	160	157.5–162.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	NS	8/18/09	4,730,000	11/17/09	3,170,000 <sup>d</sup>	1/28/10	963,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	NS	8/18/09	3440	11/17/09	3330 <sup>d</sup>	1/28/10	175
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	NS	8/18/09	14,600,000	11/17/09	7,820,000 <sup>d</sup>	1/28/10	6,010,000
			PCE (µg/m <sup>3</sup> )	5/5/09	NS	8/18/09	30,800	11/17/09	23,300 <sup>d</sup>	1/28/10	2870
			Pressure differential (kPa)	5/5/09	0.02 <sup>e</sup>	8/18/09	NS	11/17/09	-0.45 <sup>d</sup>	1/28/10	0
			TCA (µg/m <sup>3</sup> )	5/5/09	NS	8/18/09	289,000	11/17/09	149,000 <sup>d</sup>	1/28/10	-2600
			TCE (µg/m <sup>3</sup> )	5/5/09	NS	8/18/09	58,500	11/17/09	35,200 <sup>d</sup>	1/28/10	1930
	180	177.5–182.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	NS	8/18/09	NS	10/27/09	NS	1/28/10	NS
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	NS	8/18/09	NS	10/27/09	NS	1/28/10	NS
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	NS	8/18/09	NS	10/27/09	NS	1/28/10	NS
			PCE (µg/m <sup>3</sup> )	5/5/09	NS	8/18/09	NS	10/27/09	NS	1/28/10	NS
			Pressure differential (kPa)	5/5/09	0.02 <sup>e</sup>	8/18/09	0 <sup>e</sup>	10/27/09	0.09 <sup>e</sup>	1/28/10	0.03 <sup>e</sup>
			TCA (µg/m <sup>3</sup> )	5/5/09	NS	8/18/09	NS	10/27/09	NS	1/28/10	NS
			TCE (µg/m <sup>3</sup> )	5/5/09	NS	8/18/09	NS	10/27/09	NS	1/28/10	NS
	200	197.5–202.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	11,900,000	8/18/09	12,600,000	10/27/09	14,000,000	1/28/10	1,310,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	12,700	8/18/09	12,300	10/27/09	16,000	1/28/10	204
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	61.2 <sup>b</sup>	8/18/09	15,500,000	10/27/09	16,000,000	1/28/10	6,210,000
			PCE (µg/m <sup>3</sup> )	5/5/09	76,200	8/18/09	73,400	10/27/09	79,800	1/28/10	4070
			Pressure differential (kPa)	5/5/09	0.05	8/18/09	-0.07	10/27/09	1.04	1/28/10	0
			TCA (µg/m <sup>3</sup> )	5/5/09	749,000	8/18/09	732,000	10/27/09	735,000	1/28/10	7700
			TCE (µg/m <sup>3</sup> )	5/5/09	185,000	8/18/09	164,000	10/27/09	157,000	1/28/10	5370

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	892,000	7/27/09	941,000	11/9/09	899,000	2/3/10	990,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	489	7/27/09	-703	11/9/09	-245	2/3/10	205
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	44.5 <sup>b</sup>	7/27/09	11,500,000	11/9/09	8,130,000	2/3/10	6,270,000
			PCE (µg/m <sup>3</sup> )	5/19/09	228	7/27/09	1890	11/9/09	2350	2/3/10	4170
			Pressure differential (kPa)	5/19/09	0	7/27/09	0	11/9/09	0	2/3/10	NS
			TCA (µg/m <sup>3</sup> )	5/19/09	-760	7/27/09	1270	11/9/09	-2000	2/3/10	-4800
			TCE (µg/m <sup>3</sup> )	5/19/09	-2400	7/27/09	2840	11/9/09	2820	2/3/10	2,810
	20	17.5–22.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	8,120,000	7/27/09	13,100,000	11/9/09	2,280,000	2/3/10	1,030,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	25,500	7/27/09	1700	11/9/09	5630	2/3/10	576
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	56.8 <sup>b</sup>	7/27/09	10,900,000	11/9/09	8,410,000	2/3/10	5,680,000
			PCE (µg/m <sup>3</sup> )	5/19/09	159,000	7/27/09	8840	11/9/09	34,200	2/3/10	5140
			Pressure differential (kPa)	5/19/09	0.02	7/27/09	0	11/9/09	0	2/3/10	0
			TCA (µg/m <sup>3</sup> )	5/19/09	280,000	7/27/09	12,000	11/9/09	36,500	2/3/10	-2800
			TCE (µg/m <sup>3</sup> )	5/19/09	43,100	7/27/09	1680	11/9/09	5900	2/3/10	2860
	40	37.5–42.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	19,500,000	7/27/09	18,700,000	11/9/09	19,800,000	2/3/10	6,390,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	79,300	7/27/09	65,800	11/9/09	80,900	2/3/10	27,800
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	61 <sup>b</sup>	7/27/09	14,000,000	11/9/09	14,700,000	2/3/10	6,080,000
			PCE (µg/m <sup>3</sup> )	5/19/09	355,000	7/27/09	354,000	11/9/09	341,000	2/3/10	141,000
			Pressure differential (kPa)	5/19/09	0.08	7/27/09	0	11/9/09	-0.2	2/3/10	0.15
			TCA (µg/m <sup>3</sup> )	5/19/09	1,190,000	7/27/09	1,070,000	11/9/09	973,000	2/3/10	254,000
			TCE (µg/m <sup>3</sup> )	5/19/09	270,000	7/27/09	203,000	11/9/09	193,000	2/3/10	61,700

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002 (cont.)	60	57.5–62.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	25,700,000	7/27/09	26,800,000	11/9/09	29,900,000	2/3/10	16,000,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	124,000	7/27/09	113,000	11/9/09	160,000	2/3/10	78,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	61.2 <sup>b</sup>	7/27/09	14,300,000	11/9/09	16,400,000	2/3/10	6,180,000
			PCE (µg/m <sup>3</sup> )	5/19/09	727,000	7/27/09	824,000	11/9/09	875,000	2/3/10	534,000
			Pressure differential (kPa)	5/19/09	0.06	7/27/09	0	11/9/09	0	2/3/10	0.07
			TCA (µg/m <sup>3</sup> )	5/19/09	1,380,000	7/27/09	1,310,000	11/9/09	1,210,000	2/3/10	621,000
			TCE (µg/m <sup>3</sup> )	5/19/09	226,000	7/27/09	172,000	11/9/09	136,000	2/3/10	51,600
	80	77.5–82.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	NS	7/27/09	NS	11/9/09	6,540,000	2/3/10	1,190,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	NS	7/27/09	NS	11/9/09	21,100	2/3/10	1220
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	NS	7/27/09	NS	11/9/09	11,400,000	2/3/10	5,630,000
			PCE (µg/m <sup>3</sup> )	5/19/09	NS	7/27/09	NS	11/9/09	115,000	2/3/10	11,600
			Pressure differential (kPa)	5/19/09	0.02 <sup>e</sup>	7/27/09	0 <sup>e</sup>	11/9/09	0	2/3/10	0.06
			TCA (µg/m <sup>3</sup> )	5/19/09	NS	7/27/09	NS	11/9/09	245,000	2/3/10	12,900
			TCE (µg/m <sup>3</sup> )	5/19/09	NS	7/27/09	NS	11/9/09	37,900	2/3/10	8270
	100	97.5–102.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	23,300,000	7/27/09	26,300,000	11/9/09	26,000,000	2/3/10	14,100,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	93,300	7/27/09	84,600	11/9/09	114,000	2/3/10	57,100
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	61 <sup>b</sup>	7/27/09	14,200,000	11/9/09	15,900,000	2/3/10	6,290,000
			PCE (µg/m <sup>3</sup> )	5/19/09	520,000	7/27/09	579,000	11/9/09	600,000	2/3/10	369,000
			Pressure differential (kPa)	5/19/09	0	7/27/09	0	11/9/09	-0.12	2/3/10	0.13
			TCA (µg/m <sup>3</sup> )	5/19/09	1,370,000	7/27/09	1,360,000	11/9/09	1,280,000	2/3/10	649,000
			TCE (µg/m <sup>3</sup> )	5/19/09	282,000	7/27/09	233,000	11/9/09	209,000	2/3/10	93,400

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002 (cont.)	120	117.5–122.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	NS	7/27/09	11,600,000	11/9/09	18,500,000	2/3/10	1,100,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	NS	7/27/09	34,600	11/9/09	70,400	2/3/10	1770
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	NS	7/27/09	12,800,000	11/9/09	14,300,000	2/3/10	6,130,000
			PCE (µg/m <sup>3</sup> )	5/19/09	NS	7/27/09	217,000	11/9/09	329,000	2/3/10	17,600
			Pressure differential (kPa)	5/19/09	0 <sup>e</sup>	7/27/09	0	11/9/09	-0.13	2/3/10	0.12
			TCA (µg/m <sup>3</sup> )	5/19/09	NS	7/27/09	606,000	11/9/09	873,000	2/3/10	37,100
			TCE (µg/m <sup>3</sup> )	5/19/09	NS	7/27/09	116,000	11/9/09	158,000	2/3/10	21,300
	140	137.5–142.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	10,300,000	7/27/09	9,740,000	11/9/09	11,800,000	2/3/10	1,060,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	37,200	7/27/09	27,400	11/9/09	46,000	2/3/10	1410
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	54.1 <sup>b</sup>	7/27/09	20,000,000	11/9/09	12,700,000	2/3/10	5,910,000
			PCE (µg/m <sup>3</sup> )	5/19/09	213,000	7/27/09	205,000	11/9/09	256,000	2/3/10	13,600
			Pressure differential (kPa)	5/19/09	0.04	7/27/09	0	11/9/09	-0.14	2/3/10	0.06
			TCA (µg/m <sup>3</sup> )	5/19/09	396,000	7/27/09	327,000	11/9/09	339,000	2/3/10	13,400
TCE (µg/m <sup>3</sup> )			5/19/09	58,000	7/27/09	45,900	11/9/09	35,400	2/3/10	9450	
157	154.5–159.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	6,690,000	7/27/09	6,900,000	11/9/09	7,950,000	2/3/10	1,110,000	
		Freon-11 (µg/m <sup>3</sup> )	5/19/09	25,700	7/27/09	22,200	11/9/09	29,700	2/3/10	1580	
		H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	50.9 <sup>b</sup>	7/27/09	11,200,000	11/9/09	11,800,000	2/3/10	6,130,000	
		PCE (µg/m <sup>3</sup> )	5/19/09	114,000	7/27/09	120,000	11/9/09	123,000	2/3/10	13,800	
		Pressure differential (kPa)	5/19/09	0	7/27/09	0	11/9/09	-0.19	2/3/10	0.25	
		TCA (µg/m <sup>3</sup> )	5/19/09	382,000	7/27/09	374,000	11/9/09	369,000	2/3/10	9400	
		TCE (µg/m <sup>3</sup> )	5/19/09	104,000	7/27/09	88,900	11/9/09	88,900	2/3/10	17,800	

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002 (cont.)	180	177.5–182.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	20,400,000	7/27/09	17,300,000	11/9/09	22,300,000	2/3/10	1,060,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	78,500	7/27/09	55,700	11/9/09	88,900	2/3/10	1220
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	62.3 <sup>b</sup>	7/27/09	14,800,000	11/9/09	15,700,000	2/3/10	6,400,000
			PCE (µg/m <sup>3</sup> )	5/19/09	384,000	7/27/09	336,000	11/9/09	415,000	2/3/10	13,000
			Pressure differential (kPa)	5/19/09	0	7/27/09	0	11/9/09	0	2/3/10	0
			TCA (µg/m <sup>3</sup> )	5/19/09	1,230,000	7/27/09	964,000	11/9/09	1,090,000	2/3/10	36,900
			TCE (µg/m <sup>3</sup> )	5/19/09	267,000	7/27/09	182,000	11/9/09	201,000	2/3/10	14,200
	200	197.5–202.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	15,800,000	7/27/09	16,000,000	11/9/09	16,500,000	2/3/10	10,900,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	836,000	7/27/09	68,500	11/9/09	81,200	2/3/10	45,100
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	61.5 <sup>b</sup>	7/27/09	13,000,000	11/9/09	16,100,000	2/3/10	6,620,000
			PCE (µg/m <sup>3</sup> )	5/19/09	304,000	7/27/09	308,000	11/9/09	289,000	2/3/10	201,000
			Pressure differential (kPa)	5/19/09	0	7/27/09	0	11/9/09	-0.19	2/3/10	0.22
			TCA (µg/m <sup>3</sup> )	5/19/09	936,000	7/27/09	883,000	11/9/09	791,000	2/3/10	437,000
			TCE (µg/m <sup>3</sup> )	5/19/09	250,000	7/27/09	198,000	11/9/09	187,000	2/3/10	101,000
54-02016	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	778,000	7/21/09	861,000	11/3/09	1,490,000	1/26/10	913,000
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	-191	7/21/09	1410	11/3/09	1510	1/26/10	480
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	32.8 <sup>b</sup>	7/21/09	11,000,000	11/3/09	8,280,000	1/26/10	5,370,000
			PCE (µg/m <sup>3</sup> )	5/13/09	-608	7/21/09	4340	11/3/09	5400	1/26/10	2910
			Pressure differential (kPa)	5/13/09	0	7/21/09	0	11/3/09	0	1/26/10	NS
			TCA (µg/m <sup>3</sup> )	5/13/09	-4600	7/21/09	345	11/3/09	-5700	1/26/10	-3700
			TCE (µg/m <sup>3</sup> )	5/13/09	-1100	7/21/09	-1900	11/3/09	1770	1/26/10	434

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02016 (cont.)	18	15.5–20.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	NS	7/21/09	NS	11/3/09	NS	1/26/10	NS
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	NS	7/21/09	NS	11/3/09	NS	1/26/10	NS
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	NS	7/21/09	NS	11/3/09	NS	1/26/10	NS
			PCE (µg/m <sup>3</sup> )	5/13/09	NS	7/21/09	NS	11/3/09	NS	1/26/10	NS
			Pressure differential (kPa)	5/13/09	0 <sup>e</sup>	7/21/09	0 <sup>e</sup>	11/3/09	0.02 <sup>e</sup>	1/26/10	0 <sup>e</sup>
			TCA (µg/m <sup>3</sup> )	5/13/09	NS	7/21/09	NS	11/3/09	NS	1/26/10	NS
			TCE (µg/m <sup>3</sup> )	5/13/09	NS	7/21/09	NS	11/3/09	NS	1/26/10	NS
	31	28.5–33.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	38,100,000	7/21/09	37,700,000	11/3/09	49,800,000	1/26/10	38,900,000
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	199,000	7/21/09	146,000	11/3/09	248,000	1/26/10	199,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	71.5 <sup>b</sup>	7/21/09	15,600,000	11/3/09	18,600,000	1/26/10	5,780,000
			PCE (µg/m <sup>3</sup> )	5/13/09	1,190,000	7/21/09	1,090,000	11/3/09	1,390,000	1/26/10	1,400,000
			Pressure differential (kPa)	5/13/09	0	7/21/09	-0.03	11/3/09	0.04	1/26/10	-0.03
			TCA (µg/m <sup>3</sup> )	5/13/09	1,640,000	7/21/09	1,540,000	11/3/09	1,660,000	1/26/10	1,180,000
			TCE (µg/m <sup>3</sup> )	5/13/09	238,000	7/21/09	192,000	11/3/09	165,000	1/26/10	37,400
	82	79.5–84.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	27,500,000	7/21/09	2,650,000	11/3/09	39,700,000	1/26/10	20,700,000
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	137,000	7/21/09	6190	11/3/09	182,000	1/26/10	105,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	58.1 <sup>b</sup>	7/21/09	11,000,000	11/3/09	17,500,000	1/26/10	5,450,000
			PCE (µg/m <sup>3</sup> )	5/13/09	808,000	7/21/09	40,700	11/3/09	1,020,000	1/26/10	734,000
			Pressure differential (kPa)	5/13/09	0.03	7/21/09	0	11/3/09	0.02	1/26/10	0
			TCA (µg/m <sup>3</sup> )	5/13/09	873,000	7/21/09	43,200	11/3/09	960,000	1/26/10	383,000
			TCE (µg/m <sup>3</sup> )	5/13/09	81,700	7/21/09	-192	11/3/09	53,900	1/26/10	-43,000



Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/26/09	793,000	8/3/09	792,000	11/16/09	928,000	2/2/10	1,150,000
			Freon-11 (µg/m <sup>3</sup> )	5/26/09	-1500	8/3/09	95	11/16/09	-3.8	2/2/10	188
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/26/09	53.1 <sup>b</sup>	8/3/09	9,710,000	11/16/09	5,050,000	2/2/10	4,080,000
			PCE (µg/m <sup>3</sup> )	5/26/09	-9100	8/3/09	1520	11/16/09	3490	2/2/10	4760
			Pressure differential (kPa)	5/26/09	0	8/3/09	0	11/16/09	0	2/2/10	NS
			TCA (µg/m <sup>3</sup> )	5/26/09	-2600	8/3/09	1290	11/16/09	-1900	2/2/10	-1100
			TCE (µg/m <sup>3</sup> )	5/26/09	8750	8/3/09	1480	11/16/09	3490	2/2/10	3360
	20	10-30	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/26/09	9,130,000	8/3/09	10,400,000	11/16/09	10,300,000	2/2/10	9,720,000
			Freon-11 (µg/m <sup>3</sup> )	5/26/09	9110	8/3/09	7600	11/16/09	7730	2/2/10	8620
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/26/09	60.3 <sup>b</sup>	8/3/09	12,300,000	11/16/09	10,000,000	2/2/10	7,430,000
			PCE (µg/m <sup>3</sup> )	5/26/09	38,500	8/3/09	36,200	11/16/09	33,000	2/2/10	41,500
			Pressure differential (kPa)	5/26/09	0	8/3/09	-0.03	11/16/09	0	2/2/10	0.06
			TCA (µg/m <sup>3</sup> )	5/26/09	89,900	8/3/09	102,000	11/16/09	40,700	2/2/10	65,600
			TCE (µg/m <sup>3</sup> )	5/26/09	16,800	8/3/09	18,000	11/16/09	20,300	2/2/10	18,000
	40	30-50	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/26/09	9,620,000	8/3/09	10,000,000	11/16/09	10,400,000	2/2/10	11,100,000
			Freon-11 (µg/m <sup>3</sup> )	5/26/09	14,000	8/3/09	11,000	11/16/09	12,100	2/2/10	12,700
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/26/09	60.5 <sup>b</sup>	8/3/09	12,000,000	11/16/09	9,720,000	2/2/10	7,810,000
			PCE (µg/m <sup>3</sup> )	5/26/09	53,500	8/3/09	50,600	11/16/09	46,500	2/2/10	60,100
			Pressure differential (kPa)	5/26/09	-0.02	8/3/09	0	11/16/09	-0.57	2/2/10	0.07
			TCA (µg/m <sup>3</sup> )	5/26/09	147,000	8/3/09	154,000	11/16/09	91,700	2/2/10	119,000
			TCE (µg/m <sup>3</sup> )	5/26/09	31,700	8/3/09	29,600	11/16/09	28,300	2/2/10	27,300

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020 (cont.)	60	50-70	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/26/09	1,000,000	8/3/09	4,810,000	11/16/09	10,400,000	2/2/10	11,500,000
			Freon-11 (µg/m <sup>3</sup> )	5/26/09	15,400	8/3/09	11,300	11/16/09	14,900	2/2/10	14,600
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/26/09	60.9 <sup>b</sup>	8/3/09	11,100,000	11/16/09	8,950,000	2/2/10	8,170,000
			PCE (µg/m <sup>3</sup> )	5/26/09	64,600	8/3/09	51,900	11/16/09	57,700	2/2/10	72,800
			Pressure differential (kPa)	5/26/09	-0.03	8/3/09	-0.11	11/16/09	-0.23	2/2/10	0.05
			TCA (µg/m <sup>3</sup> )	5/26/09	183,000	8/3/09	128,000	11/16/09	122,000	2/2/10	155,000
			TCE (µg/m <sup>3</sup> )	5/26/09	40,400	8/3/09	25,800	11/16/09	33,300	2/2/10	35,300
	80	70-90	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/26/09	10,300,000	8/3/09	10,200,000	11/16/09	9,010,000	2/2/10	11,400,000
			Freon-11 (µg/m <sup>3</sup> )	5/26/09	17,800	8/3/09	15,200	11/16/09	14,500	2/2/10	17,500
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/26/09	60.2 <sup>b</sup>	8/3/09	12,100,000	11/16/09	9,740,000	2/2/10	9,000,000
			PCE (µg/m <sup>3</sup> )	5/26/09	72,200	8/3/09	74,300	11/16/09	56,500	2/2/10	81,600
			Pressure differential (kPa)	5/26/09	0	8/3/09	-0.14	11/16/09	-0.38	2/2/10	0.02
			TCA (µg/m <sup>3</sup> )	5/26/09	214,000	8/3/09	219,000	11/16/09	91,300	2/2/10	173,000
			TCE (µg/m <sup>3</sup> )	5/26/09	50,200	8/3/09	43,900	11/16/09	31,200	2/2/10	37,300
	95	90-110	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/26/09	9,670,000	8/3/09	10,200,000	11/16/09	6,410,000	2/2/10	7,010,000 <sup>f</sup>
			Freon-11 (µg/m <sup>3</sup> )	5/26/09	20,200	8/3/09	16,500	11/16/09	11,200	2/2/10	17,900 <sup>f</sup>
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/26/09	58.4 <sup>b</sup>	8/3/09	11,900,000	11/16/09	9,850,000	2/2/10	8,300,000 <sup>f</sup>
			PCE (µg/m <sup>3</sup> )	5/26/09	75,400	8/3/09	78,900	11/16/09	43,900	2/2/10	81,700 <sup>f</sup>
			Pressure differential (kPa)	5/26/09	0.06	8/3/09	-0.12	11/16/09	-0.29	2/2/10	0 <sup>f</sup>
			TCA (µg/m <sup>3</sup> )	5/26/09	217,000	8/3/09	238,000	11/16/09	87,200	2/2/10	91,000 <sup>f</sup>
			TCE (µg/m <sup>3</sup> )	5/26/09	47,400	8/3/09	47,200	11/16/09	25,300	2/2/10	37,400 <sup>f</sup>

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020 (cont.)	120	110–130	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/26/09	9,260,000	8/3/09	9,650,000	11/16/09	7,320,000	2/2/10	7,940,000
			Freon-11 (µg/m <sup>3</sup> )	5/26/09	21,400	8/3/09	18,000	11/16/09	15,000	2/2/10	19,200
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/26/09	57.8 <sup>b</sup>	8/3/09	11,800,000	11/16/09	9,100,000	2/2/10	7,560,000
			PCE (µg/m <sup>3</sup> )	5/26/09	83,500	8/3/09	84,200	11/16/09	56,500	2/2/10	88,000
			Pressure differential (kPa)	5/26/09	0	8/3/09	-0.09	11/16/09	-0.29	2/2/10	0
			TCA (µg/m <sup>3</sup> )	5/26/09	235,000	8/3/09	248,000	11/16/09	116,000	2/2/10	127,000
			TCE (µg/m <sup>3</sup> )	5/26/09	52,700	8/3/09	51,100	11/16/09	30,700	2/2/10	38,600
	140	130–150	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/26/09	7,890,000	8/3/09	8,430,000	11/16/09	5,040,000	2/2/10	954,000
			Freon-11 (µg/m <sup>3</sup> )	5/26/09	22,300	8/3/09	18,500	11/16/09	12,700	2/2/10	78.7
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/26/09	55.6 <sup>b</sup>	8/3/09	10,600,000	11/16/09	7,620,000	2/2/10	6,990,000
			PCE (µg/m <sup>3</sup> )	5/26/09	84,800	8/3/09	85,300	11/16/09	48,300	2/2/10	2760
			Pressure differential (kPa)	5/26/09	0.03	8/3/09	-0.15	11/16/09	-0.66	2/2/10	0
			TCA (µg/m <sup>3</sup> )	5/26/09	216,000	8/3/09	235,000	11/16/09	104,000	2/2/10	-3100
			TCE (µg/m <sup>3</sup> )	5/26/09	47,900	8/3/09	47,400	11/16/09	25,200	2/2/10	1850
160	150–170	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/26/09	4,320,000	8/3/09	5,040,000	11/16/09	3,330,000	2/2/10	7,610,000	
		Freon-11 (µg/m <sup>3</sup> )	5/26/09	11,800	8/3/09	11,300	11/16/09	7830	2/2/10	18,900	
		H <sub>2</sub> O (µg/m <sup>3</sup> )	5/26/09	54.9 <sup>b</sup>	8/3/09	10,400,000	11/16/09	6,790,000	2/2/10	6,700,000	
		PCE (µg/m <sup>3</sup> )	5/26/09	47,800	8/3/09	52,100	11/16/09	31,500	2/2/10	87,200	
		Pressure differential (kPa)	5/26/09	0	8/3/09	-0.07	11/16/09	-0.35	2/2/10	0	
		TCA (µg/m <sup>3</sup> )	5/26/09	114,000	8/3/09	138,000	11/16/09	56,600	2/2/10	178,000	
		TCE (µg/m <sup>3</sup> )	5/26/09	29,900	8/3/09	29,200	11/16/09	16,600	2/2/10	35,500	

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020 (cont.)	180	170–190	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/26/09	8,900,000	8/3/09	9,530,000	11/16/09	7,270,000	2/2/10	10,200,000
			Freon-11 (µg/m <sup>3</sup> )	5/26/09	29,900	8/3/09	25,900	11/16/09	22,100	2/2/10	28,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/26/09	55.7 <sup>b</sup>	8/3/09	10,900,000	11/16/09	8,410,000	2/2/10	7,420,000
			PCE (µg/m <sup>3</sup> )	5/26/09	112,000	8/3/09	118,000	11/16/09	81,500	2/2/10	127,000
			Pressure differential (kPa)	5/26/09	0.09	8/3/09	-0.15	11/16/09	-0.65	2/2/10	0
			TCA (µg/m <sup>3</sup> )	5/26/09	251,000	8/3/09	286,000	11/16/09	157,000	2/2/10	245,000
			TCE (µg/m <sup>3</sup> )	5/26/09	58,300	8/3/09	58,800	11/16/09	35,600	2/2/10	47,400
	200	190–210	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/26/09	8,700,000	8/3/09	9,020,000	11/16/09	6,980,000	2/2/10	8,920,000
			Freon-11 (µg/m <sup>3</sup> )	5/26/09	30,600	8/3/09	26,300	11/16/09	21,900	2/2/10	28,200
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/26/09	56.7 <sup>b</sup>	8/3/09	10,700,000	11/16/09	8,710,000	2/2/10	7,470,000
			PCE (µg/m <sup>3</sup> )	5/26/09	116,000	8/3/09	114,000	11/16/09	79,900	2/2/10	129,000
			Pressure differential (kPa)	5/26/09	0.1	8/3/09	-0.15	11/16/09	-0.55	2/2/10	0
			TCA (µg/m <sup>3</sup> )	5/26/09	237,000	8/3/09	262,000	11/16/09	143,000	2/2/10	215,000
			TCE (µg/m <sup>3</sup> )	5/26/09	56,400	8/3/09	53,300	11/16/09	32,700	2/2/10	44,400
54-02021	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	1090	7/22/09	847,000	10/28/09	1,300,000	1/27/10	1,270,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	-662	7/22/09	146	10/28/09	521	1/27/10	143
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	40.1 <sup>b</sup>	7/22/09	12,100,000	10/28/09	9,520,000	1/27/10	11,600,000
			PCE (µg/m <sup>3</sup> )	5/5/09	-2000	7/22/09	368	10/28/09	4010	1/27/10	4260
			Pressure differential (kPa)	5/5/09	0	7/22/09	0	10/28/09	0	1/27/10	NS
			TCA (µg/m <sup>3</sup> )	5/5/09	-3800	7/22/09	740	10/28/09	-5100	1/27/10	-8500
			TCE (µg/m <sup>3</sup> )	5/5/09	4110	7/22/09	452	10/28/09	2060	1/27/10	2520

**Table 4.0-2 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021 (cont.)	20	10-30	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	9,650,000	7/22/09	11,700,000	10/28/09	2,760,000	1/27/10	11,100,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	1350	7/22/09	968	10/28/09	-287	1/27/10	2430
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	59.6 <sup>b</sup>	7/22/09	13,500,000	10/28/09	11,200,000	1/27/10	11,100,000
			PCE (µg/m <sup>3</sup> )	5/5/09	7680	7/22/09	10,400	10/28/09	2320	1/27/10	15,500
			Pressure differential (kPa)	5/5/09	0.05	7/22/09	0.02	10/28/09	0	1/27/10	0
			TCA (µg/m <sup>3</sup> )	5/5/09	99,700	7/22/09	121,000	10/28/09	-1800	1/27/10	30,500
			TCE (µg/m <sup>3</sup> )	5/5/09	17,200	7/22/09	22,700	10/28/09	8040	1/27/10	17,700
	40	30-50	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	4,740,000	7/22/09	5,570,000	10/28/09	1,050,000	1/27/10	3,790,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	-899	7/22/09	816	10/28/09	-72	1/27/10	1210
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	54.3 <sup>b</sup>	7/22/09	13,700,000	10/28/09	10,500,000	1/27/10	9,630,000
			PCE (µg/m <sup>3</sup> )	5/5/09	-951	7/22/09	6670	10/28/09	1890	1/27/10	7830
			Pressure differential (kPa)	5/5/09	0.02	7/22/09	0.02	10/28/09	0.03	1/27/10	0
			TCA (µg/m <sup>3</sup> )	5/5/09	65,900	7/22/09	77,700	10/28/09	-1700	1/27/10	10,800
			TCE (µg/m <sup>3</sup> )	5/5/09	19,600	7/22/09	16,000	10/28/09	4690	1/27/10	7140
	60	50-70	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	9,170,000	7/22/09	10,000,000	10/28/09	1,180,000	1/27/10	5,350,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	79	7/22/09	2200	10/28/09	102	1/27/10	1520
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	59.6 <sup>b</sup>	7/22/09	14,300,000	10/28/09	9,310,000	1/27/10	9,360,000
			PCE (µg/m <sup>3</sup> )	5/5/09	12,000	7/22/09	16,900	10/28/09	2200	1/27/10	13,300
			Pressure differential (kPa)	5/5/09	0.07	7/22/09	0.05	10/28/09	0.04	1/27/10	0
			TCA (µg/m <sup>3</sup> )	5/5/09	199,000	7/22/09	219,000	10/28/09	-228	1/27/10	62,400
			TCE (µg/m <sup>3</sup> )	5/5/09	45,800	7/22/09	42,200	10/28/09	3430	1/27/10	18,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021 (cont.)	80	70–90	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	NS	7/22/09	NS	10/28/09	931,000	1/27/10	2,040,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	NS	7/22/09	NS	10/28/09	-370	1/27/10	468
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	NS	7/22/09	NS	10/28/09	7,980,000	1/27/10	7,160,000
			PCE (µg/m <sup>3</sup> )	5/5/09	NS	7/22/09	NS	10/28/09	2190	1/27/10	5320
			Pressure differential (kPa)	5/5/09	0.02 <sup>e</sup>	7/22/09	0.02 <sup>e</sup>	10/28/09	0.02	1/27/10	0
			TCA (µg/m <sup>3</sup> )	5/5/09	NS	7/22/09	NS	10/28/09	-2500	1/27/10	17,400
			TCE (µg/m <sup>3</sup> )	5/5/09	NS	7/22/09	NS	10/28/09	2310	1/27/10	7310
	100	90–110	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	9,700,000	7/22/09	9,780,000	10/28/09	1,280,000	1/27/10	6,000,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	4240	7/22/09	3130	10/28/09	78.1	1/27/10	2500
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	59 <sup>b</sup>	7/22/09	14,000,000	10/28/09	8,850,000	1/27/10	8,890,000
			PCE (µg/m <sup>3</sup> )	5/5/09	21,500	7/22/09	22,300	10/28/09	5910	1/27/10	18,600
			Pressure differential (kPa)	5/5/09	0.13	7/22/09	0.05	10/28/09	0.29	1/27/10	0
			TCA (µg/m <sup>3</sup> )	5/5/09	305,000	7/22/09	299,000	10/28/09	2240	1/27/10	135,000
			TCE (µg/m <sup>3</sup> )	5/5/09	59,800	7/22/09	56,700	10/28/09	3450	1/27/10	29,600
	120	110–130	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	NS	7/22/09	NS	10/28/09	1,160,000	1/27/10	NS
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	NS	7/22/09	NS	10/28/09	870	1/27/10	NS
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	NS	7/22/09	NS	10/28/09	9,300,000	1/27/10	NS
			PCE (µg/m <sup>3</sup> )	5/5/09	NS	7/22/09	NS	10/28/09	3470	1/27/10	NS
			Pressure differential (kPa)	5/5/09	0.03 <sup>e</sup>	7/22/09	0 <sup>e</sup>	10/28/09	0.07	1/27/10	0 <sup>e</sup>
			TCA (µg/m <sup>3</sup> )	5/5/09	NS	7/22/09	NS	10/28/09	2980	1/27/10	NS
			TCE (µg/m <sup>3</sup> )	5/5/09	NS	7/22/09	NS	10/28/09	3630	1/27/10	NS

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021 (cont.)	140	130–150	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	10,200,000	7/22/09	10,400,000	10/28/09	10,100,000	1/27/10	9,900,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	4200	7/22/09	4090	10/28/09	4720	1/27/10	4140
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	59.8 <sup>b</sup>	7/22/09	13,800,000	10/28/09	9,970,000	1/27/10	9,560,000
			PCE (µg/m <sup>3</sup> )	5/5/09	26,300	7/22/09	29,000	10/28/09	24,900	1/27/10	29,500
			Pressure differential (kPa)	5/5/09	0.16	7/22/09	0.05	10/28/09	0.46	1/27/10	-0.13
			TCA (µg/m <sup>3</sup> )	5/5/09	346,000	7/22/09	346,000	10/28/09	250,000	1/27/10	262,000
			TCE (µg/m <sup>3</sup> )	5/5/09	76,500	7/22/09	65,800	10/28/09	55,000	1/27/10	54,600
	160	150–170	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	4820	7/22/09	5,830,000	10/28/09	1,110,000	1/27/10	3,640,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	1140	7/22/09	2600	10/28/09	300	1/27/10	1540
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	55 <sup>b</sup>	7/22/09	13,000,000	10/28/09	9,320,000	1/27/10	7,200,000
			PCE (µg/m <sup>3</sup> )	5/5/09	11,600	7/22/09	17,200	10/28/09	3880	1/27/10	9120
			Pressure differential (kPa)	5/5/09	0.19	7/22/09	0.02	10/28/09	0.28	1/27/10	-0.07
			TCA (µg/m <sup>3</sup> )	5/5/09	143,000	7/22/09	178,000	10/28/09	2770	1/27/10	75,300
			TCE (µg/m <sup>3</sup> )	5/5/09	35,700	7/22/09	35,100	10/28/09	4560	1/27/10	17,700
	180	170–190	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	10,800,000	7/22/09	11,000,000	10/28/09	7,770,000	1/27/10	8,350,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	4260	7/22/09	4900	10/28/09	4020	1/27/10	2760
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	58.2 <sup>b</sup>	7/22/09	10,900,000	10/28/09	9,790,000	1/27/10	9,540,000
			PCE (µg/m <sup>3</sup> )	5/5/09	29,800	7/22/09	31,000	10/28/09	21,600	1/27/10	7670
			Pressure differential (kPa)	5/5/09	0.13	7/22/09	0.05	10/28/09	0.38	1/27/10	-0.13
			TCA (µg/m <sup>3</sup> )	5/5/09	361,000	7/22/09	373,000	10/28/09	188,000	1/27/10	62,900
			TCE (µg/m <sup>3</sup> )	5/5/09	84,500	7/22/09	71,800	10/28/09	43,700	1/27/10	13,400

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021 (cont.)	198	190–210	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/5/09	9,740,000	7/22/09	9,970,000	10/28/09	10,900,000	1/27/10	9,150,000
			Freon-11 (µg/m <sup>3</sup> )	5/5/09	4330	7/22/09	5380	10/28/09	6880	1/27/10	4990
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/5/09	60.2 <sup>b</sup>	7/22/09	11,600,000	10/28/09	10,100,000	1/27/10	8,810,000
			PCE (µg/m <sup>3</sup> )	5/5/09	27,900	7/22/09	28,900	10/28/09	33,200	1/27/10	28,700
			Pressure differential (kPa)	5/5/09	0.2	7/22/09	0.02	10/28/09	1.16	1/27/10	-0.36
			TCA (µg/m <sup>3</sup> )	5/5/09	278,000	7/22/09	289,000	10/28/09	242,000	1/27/10	218,000
			TCE (µg/m <sup>3</sup> )	5/5/09	70,300	7/22/09	59,700	10/28/09	60,400	1/27/10	46,500
54-02022	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	789,000	7/24/09	1,030,000	10/28/09	973,000	1/28/10	936,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	-61	7/24/09	0.1	10/28/09	70.8	1/28/10	-221
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	38.6 <sup>b</sup>	7/24/09	12,900,000	10/28/09	8,040,000	1/28/10	6,000,000
			PCE (µg/m <sup>3</sup> )	5/4/09	-885	7/24/09	2500	10/28/09	4690	1/28/10	3620
			Pressure differential (kPa)	5/4/09	0	7/24/09	0	10/28/09	0	1/28/10	0
			TCA (µg/m <sup>3</sup> )	5/4/09	-3400	7/24/09	-1500	10/28/09	-3900	1/28/10	-4300
			TCE (µg/m <sup>3</sup> )	5/4/09	-743	7/24/09	116	10/28/09	3010	1/28/10	3590
	20	17.5–22.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	13,900,000	7/24/09	9,770,000	10/28/09	22,600,000	1/28/10	8,810,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	811	7/24/09	893	10/28/09	3900	1/28/10	1500
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	55.8 <sup>b</sup>	7/24/09	12,900,000	10/28/09	9,220,000	1/28/10	6,590,000
			PCE (µg/m <sup>3</sup> )	5/4/09	19,700	7/24/09	140,000	10/28/09	34,900	1/28/10	16,900
			Pressure differential (kPa)	5/4/09	0	7/24/09	0	10/28/09	0	1/28/10	0.03
			TCA (µg/m <sup>3</sup> )	5/4/09	233,000	7/24/09	139,000	10/28/09	146,000	1/28/10	50,200
			TCE (µg/m <sup>3</sup> )	5/4/09	50,900	7/24/09	27,800	10/28/09	62,600	1/28/10	20,700



**Table 4.0-2 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022 (cont.)	40	37.5–42.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	14,700,000	7/24/09	11,800,000	10/28/09	16,100,000	1/28/10	10,200,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	1760	7/24/09	2750	10/28/09	5990	1/28/10	3040
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	52.2 <sup>b</sup>	7/24/09	12,000,000	10/28/09	9,700,000	1/28/10	6,920,000
			PCE (µg/m <sup>3</sup> )	5/4/09	34,400	7/24/09	30,300	10/28/09	46,000	1/28/10	28,100
			Pressure differential (kPa)	5/4/09	0.01	7/24/09	0	10/28/09	0	1/28/10	0
			TCA (µg/m <sup>3</sup> )	5/4/09	408,000	7/24/09	307,000	10/28/09	316,000	1/28/10	162,000
			TCE (µg/m <sup>3</sup> )	5/4/09	91,800	7/24/09	59,100	10/28/09	78,500	1/28/10	40,200
	60	57.5–62.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	14,600,000	7/24/09	13,700,000	10/28/09	17,000,000	1/28/10	11,300,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	2450	7/24/09	3730	10/28/09	7310	1/28/10	4060
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	54.6 <sup>b</sup>	7/24/09	11,700,000	10/28/09	10,300,000	1/28/10	7,180,000
			PCE (µg/m <sup>3</sup> )	5/4/09	38,900	7/24/09	41,800	10/28/09	55,200	1/28/10	35,500
			Pressure differential (kPa)	5/4/09	0.03	7/24/09	-0.02	10/28/09	0.05	1/28/10	0
			TCA (µg/m <sup>3</sup> )	5/4/09	503,000	7/24/09	459,000	10/28/09	435,000	1/28/10	258,000
			TCE (µg/m <sup>3</sup> )	5/4/09	107,000	7/24/09	82,500	10/28/09	96,700	1/28/10	55,000
	80	77.5–82.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	13,600,000	7/24/09	10,800,000	10/28/09	14,100,000	1/28/10	8,320,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	2930	7/24/09	2650	10/28/09	6950	1/28/10	3150
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	65.6 <sup>b</sup>	7/24/09	11,300,000	10/28/09	10,300,000	1/28/10	6,970,000
			PCE (µg/m <sup>3</sup> )	5/4/09	39,200	7/24/09	29,300	10/28/09	48,100	1/28/10	27,200
			Pressure differential (kPa)	5/4/09	0.05	7/24/09	-0.03	10/28/09	0.11	1/28/10	0
			TCA (µg/m <sup>3</sup> )	5/4/09	526,000	7/24/09	390,000	10/28/09	412,000	1/28/10	213,000
			TCE (µg/m <sup>3</sup> )	5/4/09	108,000	7/24/09	71,100	10/28/09	86,900	1/28/10	43,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022 (cont.)	100	97.5–102.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	3,720,000 <sup>d</sup>	7/24/09	71,000,000	10/28/09	4,770,000	1/28/10	1,090,000 <sup>d</sup>
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	557 <sup>d</sup>	7/24/09	1770	10/28/09	2170	1/28/10	613 <sup>d</sup>
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	47.7 <sup>b,d</sup>	7/24/09	10,400,000	10/28/09	9,780,000	1/28/10	6,240,000 <sup>d</sup>
			PCE (µg/m <sup>3</sup> )	5/4/09	9600 <sup>d</sup>	7/24/09	17,800	10/28/09	18,800	1/28/10	3400 <sup>d</sup>
			Pressure differential (kPa)	5/4/09	0.06 <sup>d</sup>	7/24/09	0	10/28/09	0.11	1/28/10	0 <sup>d</sup>
			TCA (µg/m <sup>3</sup> )	5/4/09	135,000 <sup>d</sup>	7/24/09	265,000	10/28/09	128,000	1/28/10	-1200 <sup>d</sup>
			TCE (µg/m <sup>3</sup> )	5/4/09	32,700 <sup>d</sup>	7/24/09	51,400	10/28/09	32,200	1/28/10	3550 <sup>d</sup>
	120	117.5–122.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	13,100,000	7/24/09	11,300,000	10/28/09	12,700,000	1/28/10	8,560,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	4270	7/24/09	3610	10/28/09	6360	1/28/10	3740
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	55.8 <sup>b</sup>	7/24/09	10,900,000	10/28/09	10,600,000	1/28/10	7,020,000
			PCE (µg/m <sup>3</sup> )	5/4/09	36,000	7/24/09	30,500	10/28/09	39,400	1/28/10	27,600
			Pressure differential (kPa)	5/4/09	0.09	7/24/09	-0.05	10/28/09	0.56	1/28/10	0
			TCA (µg/m <sup>3</sup> )	5/4/09	594,000	7/24/09	484,000	10/28/09	399,000	1/28/10	291,000
			TCE (µg/m <sup>3</sup> )	5/4/09	119,000	7/24/09	87,000	10/28/09	81,000	1/28/10	54,100
	140	137.5–142.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	12,300,000	7/24/09	10,500,000	10/28/09	11,900,000	1/28/10	6,300,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	5530	7/24/09	4820	10/28/09	7030	1/28/10	2560
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	56.1 <sup>b</sup>	7/24/09	12,200,000	10/28/09	10,900,000	1/28/10	7,160,000
			PCE (µg/m <sup>3</sup> )	5/4/09	33,500	7/24/09	20,300	10/28/09	36,800	1/28/10	18,100
			Pressure differential (kPa)	5/4/09	0.09	7/24/09	-0.03	10/28/09	0.73	1/28/10	-0.07
			TCA (µg/m <sup>3</sup> )	5/4/09	543,000	7/24/09	444,000	10/28/09	409,000	1/28/10	167,000
			TCE (µg/m <sup>3</sup> )	5/4/09	112,000	7/24/09	78,300	10/28/09	85,100	1/28/10	33,800

**Table 4.0-2 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022 (cont.)	160	157.5–162.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	11,800,000	7/24/09	8,820,000	10/28/09	14,200,000	1/28/10	5,110,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	5590	7/24/09	5020	10/28/09	9870	1/28/10	2880
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	55.1 <sup>b</sup>	7/24/09	11,200,000	10/28/09	10,900,000	1/28/10	7,040,000
			PCE (µg/m <sup>3</sup> )	5/4/09	32,200	7/24/09	21,700	10/28/09	45,700	1/28/10	14,900
			Pressure differential (kPa)	5/4/09	0.13	7/24/09	-0.04	10/28/09	1.19	1/28/10	-0.12
			TCA (µg/m <sup>3</sup> )	5/4/09	484,000	7/24/09	340,000	10/28/09	465,000	1/28/10	126,000
			TCE (µg/m <sup>3</sup> )	5/4/09	103,000	7/24/09	61,700	10/28/09	98,700	1/28/10	24,100
	180	177.5–182.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	9,030,000	7/24/09	4,340,000	10/28/09	12,700,000	1/28/10	2,400,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	4270	7/24/09	1900	10/28/09	6920	1/28/10	220
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	53.8 <sup>b</sup>	7/24/09	11,300,000	10/28/09	10,800,000	1/28/10	7,180,000
			PCE (µg/m <sup>3</sup> )	5/4/09	21,900	7/24/09	11,200	10/28/09	34,400	1/28/10	3030
			Pressure differential (kPa)	5/4/09	0.1	7/24/09	-0.03	10/28/09	1.26	1/28/10	-0.07
			TCA (µg/m <sup>3</sup> )	5/4/09	303,000	7/24/09	129,000	10/28/09	333,000	1/28/10	11,200
			TCE (µg/m <sup>3</sup> )	5/4/09	69,800	7/24/09	28,700	10/28/09	82,800	1/28/10	6090
	200	197.5–202.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	10,400,000	7/24/09	7,560,000	10/28/09	12,600,000	1/28/10	6,750,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	5420	7/24/09	3980	10/28/09	8070	1/28/10	3360
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	57.7 <sup>b</sup>	7/24/09	12,200,000	10/28/09	10,800,000	1/28/10	7,100,000
			PCE (µg/m <sup>3</sup> )	5/4/09	23,500	7/24/09	19,100	10/28/09	36,000	1/28/10	18,500
			Pressure differential (kPa)	5/4/09	0.08	7/24/09	-0.04	10/28/09	1.19	1/28/10	-0.12
			TCA (µg/m <sup>3</sup> )	5/4/09	292,000	7/24/09	211,000	10/28/09	253,000	1/28/10	133,000
			TCE (µg/m <sup>3</sup> )	5/4/09	68,300	7/24/09	40,400	10/28/09	68,300	1/28/10	29,800

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	1,130,000	7/30/09	1,060,000	11/12/09	1,280,000	2/9/10	995,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	105	7/30/09	170	11/12/09	410	2/9/10	864
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	45.6 <sup>b</sup>	7/30/09	13,300,000	11/12/09	10,900,000	2/9/10	4,380,000
			PCE (µg/m <sup>3</sup> )	5/19/09	-775	7/30/09	903	11/12/09	414	2/9/10	4740
			Pressure differential (kPa)	5/19/09	0	7/30/09	0	11/12/09	0	2/9/10	NS
			TCA (µg/m <sup>3</sup> )	5/19/09	-3900	7/30/09	-1600	11/12/09	-3700	2/9/10	-2400
			TCE (µg/m <sup>3</sup> )	5/19/09	-744	7/30/09	-1100	11/12/09	5030	2/9/10	2240
	20	10-30	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	20,000,000	7/30/09	24,400,000	11/12/09	25,600,000	2/9/10	10,400,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	4580	7/30/09	2830	11/12/09	3210	2/9/10	1750
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	64 <sup>b</sup>	7/30/09	14,700,000	11/12/09	18,400,000	2/9/10	7,320,000
			PCE (µg/m <sup>3</sup> )	5/19/09	12,500	7/30/09	18,000	11/12/09	19,100	2/9/10	10,800
			Pressure differential (kPa)	5/19/09	0.02	7/30/09	0.03	11/12/09	0.02	2/9/10	-0.02
			TCA (µg/m <sup>3</sup> )	5/19/09	38,200	7/30/09	77,900	11/12/09	-28,000	2/9/10	-50,000
			TCE (µg/m <sup>3</sup> )	5/19/09	851	7/30/09	10,100	11/12/09	13,600	2/9/10	5100
	40	30-50	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	18,000,000	7/30/09	18,900,000	11/12/09	21,200,000	2/9/10	21,900,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	2860	7/30/09	4330	11/12/09	5170	2/9/10	5840
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	62.4 <sup>b</sup>	7/30/09	14,200,000	11/12/09	18,000,000	2/9/10	7,940,000
			PCE (µg/m <sup>3</sup> )	5/19/09	11,600	7/30/09	19,900	11/12/09	19,000	2/9/10	25,800
			Pressure differential (kPa)	5/19/09	0.02	7/30/09	0.02	11/12/09	0.11	2/9/10	0
			TCA (µg/m <sup>3</sup> )	5/19/09	47,400	7/30/09	68,700	11/12/09	-8800	2/9/10	-69,000
			TCE (µg/m <sup>3</sup> )	5/19/09	12,900	7/30/09	9960	11/12/09	13,000	2/9/10	8910

**Table 4.0-2 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023 (cont.)	60	50-70	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	7,830,000	7/30/09	10,100,000	11/12/09	3,370,000 <sup>d</sup>	2/9/10	3,370,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	8240	7/30/09	9680	11/12/09	1090 <sup>d</sup>	2/9/10	2320
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	60.7 <sup>b</sup>	7/30/09	14,400,000	11/12/09	14,300,000 <sup>d</sup>	2/9/10	7,250,000
			PCE (µg/m <sup>3</sup> )	5/19/09	32,100	7/30/09	45,900	11/12/09	7440 <sup>d</sup>	2/9/10	14,400
			Pressure differential (kPa)	5/19/09	-0.03	7/30/09	0	11/12/09	0.07 <sup>d</sup>	2/9/10	-0.6
			TCA (µg/m <sup>3</sup> )	5/19/09	53,500	7/30/09	91,300	11/12/09	-11,400 <sup>d</sup>	2/9/10	-1400
			TCE (µg/m <sup>3</sup> )	5/19/09	20,300	7/30/09	24,800	11/12/09	7920 <sup>d</sup>	2/9/10	6650
	80	70-90	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	13,100,000	7/30/09	11,900,000	11/12/09	14,600,000	2/9/10	12,600,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	3810	7/30/09	3180	11/12/09	6400	2/9/10	5170
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	60.4 <sup>b</sup>	7/30/09	13,500,000	11/12/09	17,300,000	2/9/10	7,830,000
			PCE (µg/m <sup>3</sup> )	5/19/09	17,500	7/30/09	19,400	11/12/09	22,500	2/9/10	24,400
			Pressure differential (kPa)	5/19/09	0	7/30/09	0	11/12/09	0.18	2/9/10	-0.14
			TCA (µg/m <sup>3</sup> )	5/19/09	56,000	7/30/09	66,600	11/12/09	27,200	2/9/10	-15,000
			TCE (µg/m <sup>3</sup> )	5/19/09	17,800	7/30/09	17,900	11/12/09	17,600	2/9/10	11,300
	100	90-110	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	15,000,000	7/30/09	10,700,000	11/12/09	15,300,000	2/9/10	16,200,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	7530	7/30/09	6150	11/12/09	8230	2/9/10	8100
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	63.5 <sup>b</sup>	7/30/09	23,500,000	11/12/09	17,600,000	2/9/10	7,930,000
			PCE (µg/m <sup>3</sup> )	5/19/09	23,800	7/30/09	29,900	11/12/09	31,600	2/9/10	36,000
			Pressure differential (kPa)	5/19/09	0	7/30/09	0	11/12/09	0.28	2/9/10	-0.19
			TCA (µg/m <sup>3</sup> )	5/19/09	84,000	7/30/09	42,700	11/12/09	42,800	2/9/10	-4800
			TCE (µg/m <sup>3</sup> )	5/19/09	23,100	7/30/09	12,600	11/12/09	20,600	2/9/10	15,200

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023 (cont.)	120	110–130	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	13,900,000	7/30/09	2,020,000 <sup>d</sup>	11/12/09	NS	2/9/10	NS
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	7840	7/30/09	-807 <sup>d</sup>	11/12/09	NS	2/9/10	NS
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	63 <sup>b</sup>	7/30/09	18,300,000 <sup>d</sup>	11/12/09	NS	2/9/10	NS
			PCE (µg/m <sup>3</sup> )	5/19/09	29,200	7/30/09	-3100 <sup>d</sup>	11/12/09	NS	2/9/10	NS
			Pressure differential (kPa)	5/19/09	-0.07	7/30/09	0 <sup>d</sup>	11/12/09	0.03 <sup>e</sup>	2/9/10	0 <sup>e</sup>
			TCA (µg/m <sup>3</sup> )	5/19/09	90,900	7/30/09	3140 <sup>d</sup>	11/12/09	NS	2/9/10	NS
			TCE (µg/m <sup>3</sup> )	5/19/09	26,600	7/30/09	4680 <sup>d</sup>	11/12/09	NS	2/9/10	NS
	140	130–149	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	NS	7/30/09	1,620,000 <sup>d</sup>	11/12/09	5,650,000	2/9/10	3,050,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	NS	7/30/09	54.5 <sup>d</sup>	11/12/09	5440	2/9/10	1840
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	NS	7/30/09	1,500,000 <sup>d</sup>	11/12/09	12,100,000	2/9/10	6,910,000
			PCE (µg/m <sup>3</sup> )	5/19/09	NS	7/30/09	294 <sup>d</sup>	11/12/09	16,600	2/9/10	10,400
			Pressure differential (kPa)	5/19/09	-0.1 <sup>e</sup>	7/30/09	0 <sup>d</sup>	11/12/09	0.12	2/9/10	-0.06
			TCA (µg/m <sup>3</sup> )	5/19/09	NS	7/30/09	2230 <sup>d</sup>	11/12/09	22,600	2/9/10	1510
			TCE (µg/m <sup>3</sup> )	5/19/09	NS	7/30/09	4690 <sup>d</sup>	11/12/09	10,000	2/9/10	4810
	159	149–169	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	11,400,000	7/30/09	10,500,000	11/12/09	12,000,000	2/9/10	11,800,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	8270	7/30/09	8290	11/12/09	11,800	2/9/10	2220
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	59.1 <sup>b</sup>	7/30/09	14,100,000	11/12/09	16,800,000	2/9/10	6,830,000
			PCE (µg/m <sup>3</sup> )	5/19/09	43,300	7/30/09	43,500	11/12/09	42,200	2/9/10	12,500
			Pressure differential (kPa)	5/19/09	-0.06	7/30/09	0	11/12/09	0.36	2/9/10	-0.23
			TCA (µg/m <sup>3</sup> )	5/19/09	92,100	7/30/09	76,100	11/12/09	69,900	2/9/10	35,800
			TCE (µg/m <sup>3</sup> )	5/19/09	35,200	7/30/09	22,700	11/12/09	23,200	2/9/10	19,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023 (cont.)	180	170–190	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	NS	7/30/09	1,960,000 <sup>d</sup>	11/12/09	6,400,000	2/9/10	1,910,000 <sup>d</sup>
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	NS	7/30/09	505 <sup>d</sup>	11/12/09	1500	2/9/10	381 <sup>d</sup>
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	NS	7/30/09	16,800,000 <sup>d</sup>	11/12/09	12,200,000	2/9/10	6,880,000 <sup>d</sup>
			PCE (µg/m <sup>3</sup> )	5/19/09	NS	7/30/09	636 <sup>d</sup>	11/12/09	6700	2/9/10	3790 <sup>d</sup>
			Pressure differential (kPa)	5/19/09	0 <sup>e</sup>	7/30/09	0 <sup>d</sup>	11/12/09	0.03	2/9/10	-0.03 <sup>d</sup>
			TCA (µg/m <sup>3</sup> )	5/19/09	NS	7/30/09	5370 <sup>d</sup>	11/12/09	7280	2/9/10	-4300 <sup>d</sup>
			TCE (µg/m <sup>3</sup> )	5/19/09	NS	7/30/09	3190 <sup>d</sup>	11/12/09	8290	2/9/10	3540 <sup>d</sup>
	200	190–210	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/19/09	10,300,000	7/30/09	10,500,000	11/12/09	11,300,000	2/9/10	8,050,000
			Freon-11 (µg/m <sup>3</sup> )	5/19/09	12,400	7/30/09	13,200	11/12/09	14,000	2/9/10	9030
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/19/09	59.7 <sup>b</sup>	7/30/09	13,200,000	11/12/09	17,000,000	2/9/10	7,281,000
			PCE (µg/m <sup>3</sup> )	5/19/09	43,500	7/30/09	55,900	11/12/09	51,900	2/9/10	41,300
			Pressure differential (kPa)	5/19/09	-0.13	7/30/09	0	11/12/09	0.61	2/9/10	-0.35
			TCA (µg/m <sup>3</sup> )	5/19/09	97,400	7/30/09	88,100	11/12/09	74,700	2/9/10	28,600
			TCE (µg/m <sup>3</sup> )	5/19/09	33,400	7/30/09	21,800	11/12/09	27,000	2/9/10	14,700
54-02024	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	792,000	7/29/09	750,000	11/13/09	872,000	2/10/10	957,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	881	7/29/09	-479	11/13/09	95.7	2/10/10	-1000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	51.9 <sup>b</sup>	7/29/09	12,600,000	11/13/09	9,020,000	2/10/10	10,800,000
			PCE (µg/m <sup>3</sup> )	5/21/09	9340	7/29/09	449	11/13/09	3710	2/10/10	1940
			Pressure differential (kPa)	5/21/09	0	7/29/09	0	11/13/09	0	2/10/10	NS
			TCA (µg/m <sup>3</sup> )	5/21/09	1340	7/29/09	2130	11/13/09	-1400	2/10/10	-3100
			TCE (µg/m <sup>3</sup> )	5/21/09	-1000	7/29/09	2170	11/13/09	1570	2/10/10	2400

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024 (cont.)	20	10-30	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	11,600,000	7/29/09	10,700,000	11/13/09	12,400,000	2/10/10	10,200,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	3570	7/29/09	3330	11/13/09	6330	2/10/10	5900
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	59.4 <sup>b</sup>	7/29/09	12,400,000	11/13/09	16,000,000	2/10/10	11,000,000
			PCE (µg/m <sup>3</sup> )	5/21/09	18,500	7/29/09	18,400	11/13/09	27,100	2/10/10	27,600
			Pressure differential (kPa)	5/21/09	-0.05	7/29/09	0	11/13/09	0.03	2/10/10	0
			TCA (µg/m <sup>3</sup> )	5/21/09	45,000	7/29/09	44,900	11/13/09	33,400	2/10/10	12,700
			TCE (µg/m <sup>3</sup> )	5/21/09	17,900	7/29/09	13,300	11/13/09	19,400	2/10/10	11,600
	40	30-50	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	8,040,000	7/29/09	10,100,000	11/13/09	10,900,000	2/10/10	6,690,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	3660	7/29/09	3440	11/13/09	5610	2/10/10	3890
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	58.4 <sup>b</sup>	7/29/09	13,400,000	11/13/09	15,400,000	2/10/10	11,300,000
			PCE (µg/m <sup>3</sup> )	5/21/09	17,300	7/29/09	17,800	11/13/09	23,700	2/10/10	19,900
			Pressure differential (kPa)	5/21/09	0	7/29/09	0	11/13/09	0.04	2/10/10	0
			TCA (µg/m <sup>3</sup> )	5/21/09	41,200	7/29/09	60,400	11/13/09	30,900	2/10/10	8650
			TCE (µg/m <sup>3</sup> )	5/21/09	15,300	7/29/09	17,700	11/13/09	18,100	2/10/10	8280
	60	50-70	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	10,600,000	7/29/09	11,200,000	11/13/09	12,500,000	2/10/10	11,700,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	8330	7/29/09	7140	11/13/09	8500	2/10/10	8480
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	57.6 <sup>b</sup>	7/29/09	12,100,000	11/13/09	15,700,000	2/10/10	10,500,000
			PCE (µg/m <sup>3</sup> )	5/21/09	31,200	7/29/09	35,100	11/13/09	33,300	2/10/10	40,700
			Pressure differential (kPa)	5/21/09	-0.07	7/29/09	0	11/13/09	0.08	2/10/10	0
			TCA (µg/m <sup>3</sup> )	5/21/09	82,500	7/29/09	94,300	11/13/09	57,000	2/10/10	45,400
			TCE (µg/m <sup>3</sup> )	5/21/09	23,600	7/29/09	21,100	11/13/09	23,500	2/10/10	19,000



Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024 (cont.)	80	70–90	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	10,900,000	7/29/09	10,900,000	11/13/09	2,380,000	2/10/10	12,200,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	11,000	7/29/09	8910	11/13/09	1160	2/10/10	11,200
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	60.7 <sup>b</sup>	7/29/09	13,000,000	11/13/09	11,400,000	2/10/10	11,200,000
			PCE (µg/m <sup>3</sup> )	5/21/09	40,900	7/29/09	46,700	11/13/09	6040	2/10/10	50,600
			Pressure differential (kPa)	5/21/09	-0.1	7/29/09	0	11/13/09	0.17	2/10/10	0
			TCA (µg/m <sup>3</sup> )	5/21/09	107,000	7/29/09	121,000	11/13/09	5090	2/10/10	68,600
			TCE (µg/m <sup>3</sup> )	5/21/09	28,800	7/29/09	27,700	11/13/09	4360	2/10/10	23,400
	100	90–110	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	10,200,000	7/29/09	10,100,000	11/13/09	11,100,000	2/10/10	11,400,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	11,700	7/29/09	10,600	11/13/09	12,300	2/10/10	11,800
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	60.6 <sup>b</sup>	7/29/09	12,500,000	11/13/09	1,600,000	2/10/10	11,200,000
			PCE (µg/m <sup>3</sup> )	5/21/09	45,400	7/29/09	45,200	11/13/09	46,400	2/10/10	53,600
			Pressure differential (kPa)	5/21/09	-0.1	7/29/09	0	11/13/09	0.27	2/10/10	0
			TCA (µg/m <sup>3</sup> )	5/21/09	115,000	7/29/09	127,000	11/13/09	95,500	2/10/10	77,700
			TCE (µg/m <sup>3</sup> )	5/21/09	31,200	7/29/09	27,100	11/13/09	30,000	2/10/10	24,300
	120	110–130	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	NS	7/29/09	NS	11/13/09	NS	2/10/10	NS
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	NS	7/29/09	NS	11/13/09	NS	2/10/10	NS
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	NS	7/29/09	NS	11/13/09	NS	2/10/10	NS
			PCE (µg/m <sup>3</sup> )	5/21/09	NS	7/29/09	NS	11/13/09	NS	2/10/10	NS
			Pressure differential (kPa)	5/21/09	0.11 <sup>e</sup>	7/29/09	0.02 <sup>e</sup>	11/13/09	0.37 <sup>e</sup>	2/10/10	0 <sup>e</sup>
			TCA (µg/m <sup>3</sup> )	5/21/09	NS	7/29/09	NS	11/13/09	NS	2/10/10	NS
			TCE (µg/m <sup>3</sup> )	5/21/09	NS	7/29/09	NS	11/13/09	NS	2/10/10	NS

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024 (cont.)	140	130–150	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	7,790,000	7/29/09	8,800,000	11/13/09	9,600,000	2/10/10	6,470,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	12,000	7/29/09	11,500	11/13/09	14,900	2/10/10	8,170
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	55.9 <sup>b</sup>	7/29/09	11,200,000	11/13/09	13,800,000	2/10/10	11,800,000
			PCE (µg/m <sup>3</sup> )	5/21/09	44,900	7/29/09	54,600	11/13/09	53,300	2/10/10	37,800
			Pressure differential (kPa)	5/21/09	-0.09	7/29/09	0.02	11/13/09	0.36	2/10/10	0
			TCA (µg/m <sup>3</sup> )	5/21/09	102,000	7/29/09	131,000	11/13/09	102,000	2/10/10	51,900
			TCE (µg/m <sup>3</sup> )	5/21/09	27,500	7/29/09	28,600	11/13/09	29,500	2/10/10	16,900
	160	150–170	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	9,720,000	7/29/09	9,710,000	11/13/09	10,600,000	2/10/10	1,000,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	17,200	7/29/09	14,500	11/13/09	18,400	2/10/10	15,800
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	60.2 <sup>b</sup>	7/29/09	11,900,000	11/13/09	15,700,000	2/10/10	12,200,000
			PCE (µg/m <sup>3</sup> )	5/21/09	64,300	7/29/09	66,300	11/13/09	66,300	2/10/10	69,500
			Pressure differential (kPa)	5/21/09	-0.08	7/29/09	0.06	11/13/09	0.58	2/10/10	0
			TCA (µg/m <sup>3</sup> )	5/21/09	143,000	7/29/09	160,000	11/13/09	127,000	2/10/10	104,000
			TCE (µg/m <sup>3</sup> )	5/21/09	39,700	7/29/09	36,300	11/13/09	35,900	2/10/10	27,200
	180	170–190	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	8,900,000	7/29/09	7,460,000	11/13/09	10,600,000	2/10/10	7,220,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	17,700	7/29/09	12,700	11/13/09	20,200	2/10/10	11,700
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	57 <sup>b</sup>	7/29/09	11,700,000	11/13/09	15,400,000	2/10/10	12,000,000
			PCE (µg/m <sup>3</sup> )	5/21/09	65,100	7/29/09	55,400	11/13/09	72,600	2/10/10	52,600
			Pressure differential (kPa)	5/21/09	-0.03	7/29/09	0.11	11/13/09	0.59	2/10/10	0
			TCA (µg/m <sup>3</sup> )	5/21/09	138,000	7/29/09	126,000	11/13/09	136,000	2/10/10	71,100
			TCE (µg/m <sup>3</sup> )	5/21/09	39,900	7/29/09	28,500	11/13/09	40,500	2/10/10	19,400

**Table 4.0-2 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024 (cont.)	200	190–210	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	5,130,000	7/29/09	8,120,000	11/13/09	8,510,000	2/10/10	4,630,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	8650	7/29/09	14,900	11/13/09	17,400	2/10/10	6980
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	58.3 <sup>b</sup>	7/29/09	11,200,000	11/13/09	15,300,000	2/10/10	11,300,000
			PCE (µg/m <sup>3</sup> )	5/21/09	37,100	7/29/09	64,200	11/13/09	62,700	2/10/10	33,800
			Pressure differential (kPa)	5/21/09	0.06	7/29/09	0.14	11/13/09	0.65	2/10/10	0
			TCA (µg/m <sup>3</sup> )	5/21/09	75,200	7/29/09	139,000	11/13/09	106,000	2/10/10	41,900
			TCE (µg/m <sup>3</sup> )	5/21/09	23,900	7/29/09	31,900	11/13/09	31,200	2/10/10	17,000
54-02025	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/18/09	773,000	7/27/09	1,050,000	11/10/09	861,000	2/2/10	948,000
			Freon-11 (µg/m <sup>3</sup> )	5/18/09	-181	7/27/09	1410	11/10/09	-203	2/2/10	244
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/18/09	42.4 <sup>b</sup>	7/27/09	8,050,000	11/10/09	8,940,000	2/2/10	10,200,000
			PCE (µg/m <sup>3</sup> )	5/18/09	-330	7/27/09	822	11/10/09	1910	2/2/10	1740
			Pressure differential (kPa)	5/18/09	0	7/27/09	0	11/10/09	0	2/2/10	NS
			TCA (µg/m <sup>3</sup> )	5/18/09	-3000	7/27/09	4750	11/10/09	-746	2/2/10	-1900
			TCE (µg/m <sup>3</sup> )	5/18/09	-727	7/27/09	-2400	11/10/09	2190	2/2/10	1580
	20	20	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/18/09	12,000,000	7/27/09	13,500,000	11/10/09	12,800,000	2/2/10	11,800,000
			Freon-11 (µg/m <sup>3</sup> )	5/18/09	15,600	7/27/09	13,100	11/10/09	16,700	2/2/10	18,700
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/18/09	60.4 <sup>b</sup>	7/27/09	12,800,000	11/10/09	16,600,000	2/2/10	10,600,000
			PCE (µg/m <sup>3</sup> )	5/18/09	83,300	7/27/09	91,000	11/10/09	80,700	2/2/10	112,000
			Pressure differential (kPa)	5/18/09	0.04	7/27/09	0.05	11/10/09	0.05	2/2/10	0.04
			TCA (µg/m <sup>3</sup> )	5/18/09	233,000	7/27/09	254,000	11/10/09	183,000	2/2/10	203,000
			TCE (µg/m <sup>3</sup> )	5/18/09	50,200	7/27/09	45,300	11/10/09	35,100	2/2/10	29,800

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02025 (cont.)	60	60	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/18/09	4,910,000 <sup>d</sup>	7/27/09	9,080,000	11/10/09	5,940,000	2/2/10	4,530,000 <sup>f</sup>
			Freon-11 (µg/m <sup>3</sup> )	5/18/09	919 <sup>d</sup>	7/27/09	4160	11/10/09	4300	2/2/10	5470 <sup>f</sup>
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/18/09	57.2 <sup>b,d</sup>	7/27/09	23,800,000	11/10/09	15,800,000	2/2/10	10,000,000 <sup>f</sup>
			PCE (µg/m <sup>3</sup> )	5/18/09	5230 <sup>d</sup>	7/27/09	21,500	11/10/09	20,700	2/2/10	32,800 <sup>f</sup>
			Pressure differential (kPa)	5/18/09	0 <sup>d</sup>	7/27/09	0	11/10/09	0	2/2/10	0 <sup>f</sup>
			TCA (µg/m <sup>3</sup> )	5/18/09	13,500 <sup>d</sup>	7/27/09	63,100	11/10/09	35,300	2/2/10	50,300 <sup>f</sup>
			TCE (µg/m <sup>3</sup> )	5/18/09	2410 <sup>d</sup>	7/27/09	4310	11/10/09	6640	2/2/10	6590 <sup>f</sup>
	100	100	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/18/09	12,900,000	7/27/09	13,300,000	11/10/09	13,400,000	2/2/10	13,700,000
			Freon-11 (µg/m <sup>3</sup> )	5/18/09	31,200	7/27/09	26,700	11/10/09	32,500	2/2/10	28,100
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/18/09	61 <sup>b</sup>	7/27/09	12,400,000	11/10/09	15,300,000	2/2/10	9,740,000
			PCE (µg/m <sup>3</sup> )	5/18/09	126,000	7/27/09	132,000	11/10/09	128,000	2/2/10	133,000
			Pressure differential (kPa)	5/18/09	0.02	7/27/09	0.08	11/10/09	-0.07	2/2/10	0.09
			TCA (µg/m <sup>3</sup> )	5/18/09	434,000	7/27/09	445,000	11/10/09	381,000	2/2/10	356,000
			TCE (µg/m <sup>3</sup> )	5/18/09	102,000	7/27/09	89,700	11/10/09	80,900	2/2/10	59,200
	160	160	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/18/09	11,800,000	7/27/09	12,300,000	11/10/09	12,400,000	2/2/10	6,490,000
			Freon-11 (µg/m <sup>3</sup> )	5/18/09	38,900	7/27/09	33,800	11/10/09	34,500	2/2/10	9230
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/18/09	60.5 <sup>b</sup>	7/27/09	13,000,000	11/10/09	15,300,000	2/2/10	9,550,000
			PCE (µg/m <sup>3</sup> )	5/18/09	150,000	7/27/09	154,000	11/10/09	131,000	2/2/10	49,900
			Pressure differential (kPa)	5/18/09	-0.12	7/27/09	0.04	11/10/09	-0.23	2/2/10	0
			TCA (µg/m <sup>3</sup> )	5/18/09	450,000	7/27/09	464,000	11/10/09	365,000	2/2/10	110,000
			TCE (µg/m <sup>3</sup> )	5/18/09	106,000	7/27/09	95,500	11/10/09	78,800	2/2/10	19,200

**Table 4.0-2 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02025 (cont.)	190	190	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/18/09	10,900,000	7/27/09	11,800,000	11/10/09	11,600,000	2/2/10	8,160,000
			Freon-11 (µg/m <sup>3</sup> )	5/18/09	46,000	7/27/09	42,000	11/10/09	45,700	2/2/10	11,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/18/09	60.1 <sup>b</sup>	7/27/09	11,100,000	11/10/09	15,800,000	2/2/10	9,880,000
			PCE (µg/m <sup>3</sup> )	5/18/09	165,000	7/27/09	187,000	11/10/09	159,000	2/2/10	58,200
			Pressure differential (kPa)	5/18/09	-0.18	7/27/09	0.05	11/10/09	-0.34	2/2/10	0.03
			TCA (µg/m <sup>3</sup> )	5/18/09	424,000	7/27/09	470,000	11/10/09	382,000	2/2/10	197,000
			TCE (µg/m <sup>3</sup> )	5/18/09	108,000	7/27/09	101,000	11/10/09	91,800	2/2/10	29,400
54-02026	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	809,000	7/29/09	9,640,000	11/12/09	1,160,000	2/5/10	994,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	58	7/29/09	-560	11/12/09	586	2/5/10	191
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	48.3 <sup>b</sup>	7/29/09	12,400,000	11/12/09	10,800,000	2/5/10	8,700,000
			PCE (µg/m <sup>3</sup> )	5/21/09	131	7/29/09	-1300	11/12/09	2820	2/5/10	4460
			Pressure differential (kPa)	5/21/09	0	7/29/09	0	11/12/09	0	2/5/10	NS
			TCA (µg/m <sup>3</sup> )	5/21/09	-2800	7/29/09	-56	11/12/09	-2900	2/5/10	-3600
			TCE (µg/m <sup>3</sup> )	5/21/09	-1800	7/29/09	3190	11/12/09	1960	2/5/10	2540
	20	20	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	11,100,000	7/29/09	13,700,000	11/12/09	13,400,000	2/5/10	11,000,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	-415	7/29/09	45.9	11/12/09	377	2/5/10	1350
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	63.6 <sup>b</sup>	7/29/09	13,300,000	11/12/09	18,200,000	2/5/10	10,500,000
			PCE (µg/m <sup>3</sup> )	5/21/09	-996	7/29/09	1840	11/12/09	4720	2/5/10	7410
			Pressure differential (kPa)	5/21/09	0	7/29/09	0	11/12/09	0.08	2/5/10	-0.04
			TCA (µg/m <sup>3</sup> )	5/21/09	-1100	7/29/09	15,700	11/12/09	-33,000	2/5/10	-58,000
			TCE (µg/m <sup>3</sup> )	5/21/09	3220	7/29/09	4360	11/12/09	4980	2/5/10	2220

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02026 (cont.)	60	60	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	10,700,000	7/29/09	11,500,000	11/12/09	13,200,000	2/5/10	13,900,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	478	7/29/09	700	11/12/09	1150	2/5/10	1910
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	60.9 <sup>b</sup>	7/29/09	13,200,000	11/12/09	18,400,000	2/5/10	11,300,000
			PCE (µg/m <sup>3</sup> )	5/21/09	3840	7/29/09	5340	11/12/09	7280	2/5/10	9910
			Pressure differential (kPa)	5/21/09	0.02	7/29/09	0.06	11/12/09	0.2	2/5/10	-0.11
			TCA (µg/m <sup>3</sup> )	5/21/09	4450	7/29/09	19,600	11/12/09	-24,000	2/5/10	-62,000
			TCE (µg/m <sup>3</sup> )	5/21/09	2970	7/29/09	3480	11/12/09	5770	2/5/10	2970
	100	100	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	10,200,000	7/29/09	10,600,000	11/12/09	11,600,000	2/5/10	9,300,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	1400	7/29/09	1030	11/12/09	1210	2/5/10	1910
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	60.7 <sup>b</sup>	7/29/09	13,300,000	11/12/09	18,500,000	2/5/10	11,900,000
			PCE (µg/m <sup>3</sup> )	5/21/09	4670	7/29/09	6820	11/12/09	8270	2/5/10	10,200
			Pressure differential (kPa)	5/21/09	0	7/29/09	0.14	11/12/09	0.49	2/5/10	-0.25
			TCA (µg/m <sup>3</sup> )	5/21/09	12,400	7/29/09	20,200	11/12/09	-17,000	2/5/10	-41,000
			TCE (µg/m <sup>3</sup> )	5/21/09	306	7/29/09	5270	11/12/09	7120	2/5/10	2610
	160	160	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	8,420,000	7/29/09	8,810,000	11/12/09	9,360,000	2/5/10	1,080,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	2420	7/29/09	2410	11/12/09	2840	2/5/10	48.7
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	60.6 <sup>b</sup>	7/29/09	13,300,000	11/12/09	18,200,000	2/5/10	12,200,000
			PCE (µg/m <sup>3</sup> )	5/21/09	8410	7/29/09	10,500	11/12/09	12,700	2/5/10	2680
			Pressure differential (kPa)	5/21/09	0.05	7/29/09	0	11/12/09	0.6	2/5/10	-0.25
			TCA (µg/m <sup>3</sup> )	5/21/09	11,400	7/29/09	20,300	11/12/09	-7900	2/5/10	-6300
			TCE (µg/m <sup>3</sup> )	5/21/09	3540	7/29/09	5310	11/12/09	7790	2/5/10	1640

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02026 (cont.)	200	200	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	8,140,000	7/29/09	8,430,000	11/12/09	8,960,000	2/5/10	1,020,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	2290	7/29/09	2140	11/12/09	2460	2/5/10	80.8
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	60.9 <sup>b</sup>	7/29/09	13,200,000	11/12/09	18,200,000	2/5/10	12,100,000
			PCE (µg/m <sup>3</sup> )	5/21/09	8090	7/29/09	12,100	11/12/09	12,300	2/5/10	2430
			Pressure differential (kPa)	5/21/09	0.06	7/29/09	0.25	11/12/09	0.55	2/5/10	-0.25
			TCA (µg/m <sup>3</sup> )	5/21/09	12,900	7/29/09	23,500	11/12/09	-5800	2/5/10	-5500
			TCE (µg/m <sup>3</sup> )	5/21/09	4510	7/29/09	3630	11/12/09	7580	2/5/10	1330
	215	215	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	7,010,000	7/29/09	7,370,000	11/12/09	7,750,000	2/5/10	967,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	1560	7/29/09	1840	11/12/09	2210	2/5/10	161
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	61.4 <sup>b</sup>	7/29/09	13,500,000	11/12/09	18,100,000	2/5/10	11,700,000
			PCE (µg/m <sup>3</sup> )	5/21/09	7510	7/29/09	9160	11/12/09	11,100	2/5/10	2820
			Pressure differential (kPa)	5/21/09	0.07	7/29/09	0.31	11/12/09	0.77	2/5/10	-0.29
			TCA (µg/m <sup>3</sup> )	5/21/09	10,200	7/29/09	19,200	11/12/09	-4200	2/5/10	-4600
			TCE (µg/m <sup>3</sup> )	5/21/09	4030	7/29/09	5330	11/12/09	6430	2/5/10	654
54-02027	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/20/09	764,000	7/28/09	801,000	11/10/09	855,000	2/4/10	952,000
			Freon-11 (µg/m <sup>3</sup> )	5/20/09	108	7/28/09	375	11/10/09	341	2/4/10	1110
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/20/09	44.2 <sup>b</sup>	7/28/09	13,700,000	11/10/09	7,860,000	2/4/10	9,680,000
			PCE (µg/m <sup>3</sup> )	5/20/09	444	7/28/09	2870	11/10/09	332	2/4/10	5990
			Pressure differential (kPa)	5/20/09	0	7/28/09	0	11/10/09	0	2/4/10	NS
			TCA (µg/m <sup>3</sup> )	5/20/09	-3100	7/28/09	4710	11/10/09	-2700	2/4/10	-42,000
			TCE (µg/m <sup>3</sup> )	5/20/09	-24,000	7/28/09	3910	11/10/09	2360	2/4/10	-382

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027 (cont.)	20	20	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/20/09	10,300,000	7/28/09	10,900,000	11/10/09	11,300,000	2/4/10	10,400,000
			Freon-11 (µg/m <sup>3</sup> )	5/20/09	2180	7/28/09	2260	11/10/09	3630	2/4/10	3420
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/20/09	58.6 <sup>b</sup>	7/28/09	12,800,000	11/10/09	16,200,000	2/4/10	10,300,000
			PCE (µg/m <sup>3</sup> )	5/20/09	9450	7/28/09	10,600	11/10/09	14,300	2/4/10	16,900
			Pressure differential (kPa)	5/20/09	0.07	7/28/09	0	11/10/09	0	2/4/10	0.03
			TCA (µg/m <sup>3</sup> )	5/20/09	14,800	7/28/09	13,300	11/10/09	-30,000	2/4/10	-37,000
			TCE (µg/m <sup>3</sup> )	5/20/09	3670	7/28/09	6890	11/10/09	4280	2/4/10	5730
	60	60	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/20/09	9,950,000	7/28/09	9,440,000	11/10/09	10,200,000	2/4/10	11,900,000
			Freon-11 (µg/m <sup>3</sup> )	5/20/09	5270	7/28/09	4240	11/10/09	4980	2/4/10	6910
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/20/09	59.2 <sup>b</sup>	7/28/09	12,900,000	11/10/09	16,300,000	2/4/10	11,600,000
			PCE (µg/m <sup>3</sup> )	5/20/09	22,600	7/28/09	25,700	11/10/09	23,400	2/4/10	32,300
			Pressure differential (kPa)	5/20/09	0.12	7/28/09	0	11/10/09	-0.07	2/4/10	0.05
			TCA (µg/m <sup>3</sup> )	5/20/09	50,400	7/28/09	38,900	11/10/09	11,000	2/4/10	-3600
			TCE (µg/m <sup>3</sup> )	5/20/09	12,800	7/28/09	12,000	11/10/09	15,000	2/4/10	11,400
	100	100	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/20/09	9,680,000	7/28/09	8,800,000	11/10/09	6,920,000	2/4/10	11,200,000
			Freon-11 (µg/m <sup>3</sup> )	5/20/09	7820	7/28/09	6730	11/10/09	4560	2/4/10	8990
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/20/09	59.5 <sup>b</sup>	7/28/09	13,100,000	11/10/09	14,700,000	2/4/10	11,100,000
			PCE (µg/m <sup>3</sup> )	5/20/09	29,900	7/28/09	28,500	11/10/09	19,400	2/4/10	41,600
			Pressure differential (kPa)	5/20/09	0.19	7/28/09	0.02	11/10/09	-0.25	2/4/10	0.1
			TCA (µg/m <sup>3</sup> )	5/20/09	68,900	7/28/09	58,000	11/10/09	16,200	2/4/10	23,900
			TCE (µg/m <sup>3</sup> )	5/20/09	18,300	7/28/09	16,500	11/10/09	13,800	2/4/10	14,000



Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027 (cont.)	160	160	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/20/09	8,850,000	7/28/09	7,930,000	11/10/09	7,190,000	2/4/10	9,760,000
			Freon-11 (µg/m <sup>3</sup> )	5/20/09	11,300	7/28/09	8760	11/10/09	5890	2/4/10	10,800
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/20/09	59.7 <sup>b</sup>	7/28/09	12,900,000	11/10/09	14,700,000	2/4/10	11,400,000
			PCE (µg/m <sup>3</sup> )	5/20/09	43,000	7/28/09	40,600	11/10/09	22,500	2/4/10	52,400
			Pressure differential (kPa)	5/20/09	0.25	7/28/09	0.09	11/10/09	-0.41	2/4/10	0.26
			TCA (µg/m <sup>3</sup> )	5/20/09	87,100	7/28/09	73,600	11/10/09	22,200	2/4/10	46,100
			TCE (µg/m <sup>3</sup> )	5/20/09	21,100	7/28/09	15,200	11/10/09	10,600	2/4/10	18,300
	200	200	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/20/09	7,790,000	7/28/09	6,800,000	11/10/09	6,070,000	2/4/10	8,500,000
			Freon-11 (µg/m <sup>3</sup> )	5/20/09	10,600	7/28/09	7730	11/10/09	7,140,000	2/4/10	10,700
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/20/09	59.5 <sup>b</sup>	7/28/09	13,100,000	11/10/09	15,600,000	2/4/10	10,700,000
			PCE (µg/m <sup>3</sup> )	5/20/09	40,600	7/28/09	36,500	11/10/09	30,000	2/4/10	50,500
			Pressure differential (kPa)	5/20/09	0.28	7/28/09	0.12	11/10/09	-0.55	2/4/10	0.36
			TCA (µg/m <sup>3</sup> )	5/20/09	70,700	7/28/09	59,900	11/10/09	29,000	2/4/10	40,400
			TCE (µg/m <sup>3</sup> )	5/20/09	20,000	7/28/09	15,100	11/10/09	16,600	2/4/10	13,600
	220	220	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/20/09	7,670,000	7/28/09	6,240,000	11/10/09	3,200,000	2/4/10	8,810,000
			Freon-11 (µg/m <sup>3</sup> )	5/20/09	9870	7/28/09	7540	11/10/09	3350	2/4/10	11,200
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/20/09	59.9 <sup>b</sup>	7/28/09	12,800,000	11/10/09	12,800,000	2/4/10	14,100,000
			PCE (µg/m <sup>3</sup> )	5/20/09	41,500	7/28/09	35,400	11/10/09	13,900	2/4/10	52,900
			Pressure differential (kPa)	5/20/09	0.22	7/28/09	0.1	11/10/09	-0.45	2/4/10	0.30
			TCA (µg/m <sup>3</sup> )	5/20/09	65,400	7/28/09	50,600	11/10/09	13,900	2/4/10	39,300
			TCE (µg/m <sup>3</sup> )	5/20/09	19,700	7/28/09	14,900	11/10/09	6200	2/4/10	12,900

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027 (cont.)	250	250	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/20/09	3,480,000	7/28/09	3,340,000	11/10/09	2,990,000	2/4/10	4,440,000
			Freon-11 (µg/m <sup>3</sup> )	5/20/09	3470	7/28/09	2760	11/10/09	3430	2/4/10	4830
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/20/09	56 <sup>b</sup>	7/28/09	12,700,000	11/10/09	12,600,000	2/4/10	13,100,000
			PCE (µg/m <sup>3</sup> )	5/20/09	14,900	7/28/09	15,400	11/10/09	14,600	2/4/10	23,300
			Pressure differential (kPa)	5/20/09	0.21	7/28/09	0.1	11/10/09	-0.46	2/4/10	0.27
			TCA (µg/m <sup>3</sup> )	5/20/09	17,700	7/28/09	18,000	11/10/09	10,600	2/4/10	6140
			TCE (µg/m <sup>3</sup> )	5/20/09	6010	7/28/09	6950	11/10/09	5270	2/4/10	4990
54-02028	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	1,160,000	7/30/09	749,000	11/16/09	908,000	2/10/10	985,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	-737	7/30/09	-640	11/16/09	-130	2/10/10	185
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	50.8 <sup>b</sup>	7/30/09	10,500,000	11/16/09	3,560,000	2/10/10	6,900,000
			PCE (µg/m <sup>3</sup> )	5/21/09	879	7/30/09	2250	11/16/09	4830	2/10/10	3690
			Pressure differential (kPa)	5/21/09	0	7/30/09	0	11/16/09	0	2/10/10	NS
			TCA (µg/m <sup>3</sup> )	5/21/09	-1200	7/30/09	141	11/16/09	-516	2/10/10	-4900
			TCE (µg/m <sup>3</sup> )	5/21/09	-847	7/30/09	4740	11/16/09	2760	2/10/10	2260
	20	20	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	7,670,000	7/30/09	8,330,000	11/16/09	8,350,000	2/10/10	7,840,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	227	7/30/09	352	11/16/09	1170	2/10/10	1340
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	59.3 <sup>b</sup>	7/30/09	14,200,000	11/16/09	7,850,000	2/10/10	7,660,000
			PCE (µg/m <sup>3</sup> )	5/21/09	1780	7/30/09	7340	11/16/09	6430	2/10/10	8600
			Pressure differential (kPa)	5/21/09	-0.04	7/30/09	0	11/16/09	-0.03	2/10/10	0
			TCA (µg/m <sup>3</sup> )	5/21/09	3460	7/30/09	656	11/16/09	-370	2/10/10	-44,000
			TCE (µg/m <sup>3</sup> )	5/21/09	1680	7/30/09	3200	11/16/09	6850	2/10/10	3860

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02028 (cont.)	60	60	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	7,730,000	7/30/09	7,840,000	11/16/09	9,190,000	2/10/10	9,290,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	1130	7/30/09	805	11/16/09	1150	2/10/10	1950
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	59.5 <sup>b</sup>	7/30/09	13,300,000	11/16/09	9,570,000	2/10/10	7,910,000
			PCE (µg/m <sup>3</sup> )	5/21/09	3480	7/30/09	4130	11/16/09	11,600	2/10/10	10,600
			Pressure differential (kPa)	5/21/09	0	7/30/09	-0.02	11/16/09	-0.05	2/10/10	0
			TCA (µg/m <sup>3</sup> )	5/21/09	9090	7/30/09	8830	11/16/09	-40,000	2/10/10	-47,000
			TCE (µg/m <sup>3</sup> )	5/21/09	2200	7/30/09	6080	11/16/09	8770	2/10/10	4410
	100	100	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	7,640,000	7/30/09	7,450,000	11/16/09	1,020,000	2/10/10	9,070,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	175	7/30/09	2570	11/16/09	-217	2/10/10	2680
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	59.9 <sup>b</sup>	7/30/09	13,900,000	11/16/09	10,400,000	2/10/10	8,120,000
			PCE (µg/m <sup>3</sup> )	5/21/09	3800	7/30/09	10,600	11/16/09	3030	2/10/10	12,800
			Pressure differential (kPa)	5/21/09	0.03	7/30/09	-0.12	11/16/09	-0.27	2/10/10	-0.02
			TCA (µg/m <sup>3</sup> )	5/21/09	10,500	7/30/09	11,600	11/16/09	-5800	2/10/10	-41,000
			TCE (µg/m <sup>3</sup> )	5/21/09	7660	7/30/09	2360	11/16/09	4580	2/10/10	4380
	160	160	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	6,850,000	7/30/09	6,570,000	11/16/09	1,150,000	2/10/10	7,950,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	1740	7/30/09	1470	11/16/09	369	2/10/10	3060
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	59.7 <sup>b</sup>	7/30/09	13,600,000	11/16/09	9,700,000	2/10/10	8,270,000
			PCE (µg/m <sup>3</sup> )	5/21/09	11,300	7/30/09	9150	11/16/09	2640	2/10/10	16,100
			Pressure differential (kPa)	5/21/09	0.08	7/30/09	-0.15	11/16/09	-0.59	2/10/10	-0.06
			TCA (µg/m <sup>3</sup> )	5/21/09	14,400	7/30/09	14,500	11/16/09	-5300	2/10/10	-29,000
			TCE (µg/m <sup>3</sup> )	5/21/09	4850	7/30/09	5010	11/16/09	2280	2/10/10	5860

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02028 (cont.)	200	200	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	6,070,000	7/30/09	6,470,000	11/16/09	955,000	2/10/10	7,590,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	2970	7/30/09	-28	11/16/09	-363	2/10/10	3560
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	59.4 <sup>b</sup>	7/30/09	13,300,000	11/16/09	8,790,000	2/10/10	8,250,000
			PCE (µg/m <sup>3</sup> )	5/21/09	11,100	7/30/09	6350	11/16/09	4110	2/10/10	18,200
			Pressure differential (kPa)	5/21/09	0.1	7/30/09	-0.13	11/16/09	-0.52	2/10/10	-0.09
			TCA (µg/m <sup>3</sup> )	5/21/09	9800	7/30/09	12,500	11/16/09	-4600	2/10/10	-26,000
			TCE (µg/m <sup>3</sup> )	5/21/09	4850	7/30/09	10,700	11/16/09	3030	2/10/10	5150
	220	220	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	6,330,000	7/30/09	5,810,000	11/16/09	1,060,000	2/10/10	7,060,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	4810	7/30/09	2800	11/16/09	225	2/10/10	3210
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	60.5 <sup>b</sup>	7/30/09	13,200,000	11/16/09	8,320,000	2/10/10	8,400,000
			PCE (µg/m <sup>3</sup> )	5/21/09	14,600	7/30/09	10,300	11/16/09	3790	2/10/10	15,500
			Pressure differential (kPa)	5/21/09	0.12	7/30/09	-0.12	11/16/09	-0.53	2/10/10	-0.09
			TCA (µg/m <sup>3</sup> )	5/21/09	12,900	7/30/09	13,400	11/16/09	-3600	2/10/10	-25,000
			TCE (µg/m <sup>3</sup> )	5/21/09	-1100	7/30/09	2050	11/16/09	4160	2/10/10	4330
	250	250	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/21/09	5,570,000	7/30/09	5,670,000	11/16/09	1,000,000	2/10/10	3,970,000
			Freon-11 (µg/m <sup>3</sup> )	5/21/09	2550	7/30/09	3120	11/16/09	-21	2/10/10	1440
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/21/09	60.7 <sup>b</sup>	7/30/09	13,400,000	11/16/09	7,810,000	2/10/10	9,090,000
			PCE (µg/m <sup>3</sup> )	5/21/09	7970	7/30/09	11,500	11/16/09	3020	2/10/10	7780
			Pressure differential (kPa)	5/21/09	0.1	7/30/09	-0.09	11/16/09	-0.65	2/10/10	-0.05
			TCA (µg/m <sup>3</sup> )	5/21/09	5300	7/30/09	7700	11/16/09	-3300	2/10/10	-16,000
			TCE (µg/m <sup>3</sup> )	5/21/09	2720	7/30/09	3040	11/16/09	3710	2/10/10	2620

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	787,000	8/17/09	778,000	10/29/09	1,130,000	1/27/10	914,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	-261	8/17/09	1150	10/29/09	233	1/27/10	290
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	32.5 <sup>b</sup>	8/17/09	6,560,000	10/29/09	6,400,000	1/27/10	7,380,000
			PCE (µg/m <sup>3</sup> )	5/7/09	-457	8/17/09	-6100	10/29/09	3720	1/27/10	4390
			Pressure differential (kPa)	5/7/09	0	8/17/09	0	10/29/09	0	2/11/10	NS
			TCA (µg/m <sup>3</sup> )	5/7/09	-673	8/17/09	-1300	10/29/09	-4900	1/27/10	-5300
			TCE (µg/m <sup>3</sup> )	5/7/09	1330	8/17/09	337	10/29/09	3130	1/27/10	480
	20	20	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	17,500,000	8/17/09	24,800,000	10/29/09	18,100,000	1/27/10	22,500,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	878	8/17/09	1770	10/29/09	1880	1/27/10	2960
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	60.8 <sup>b</sup>	8/17/09	15,000,000	10/29/09	7,910,000	1/27/10	10,400,000
			PCE (µg/m <sup>3</sup> )	5/7/09	7840	8/17/09	11,200	10/29/09	13,700	1/27/10	17,200
			Pressure differential (kPa)	5/7/09	0	8/17/09	-0.02	10/29/09	0	1/27/10	0
			TCA (µg/m <sup>3</sup> )	5/7/09	56,500	8/17/09	56,200	10/29/09	-70,000	1/27/10	3850
			TCE (µg/m <sup>3</sup> )	5/7/09	17,400	8/17/09	15,600	10/29/09	17,300	1/27/10	14,100
	60	60	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	14,600,000	8/17/09	15,000,000	10/29/09	17,500,000	1/27/10	16,800,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	2890	8/17/09	2900	10/29/09	5910	1/27/10	4040
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	60.7 <sup>b</sup>	8/17/09	15,300,000	10/29/09	8,050,000	1/27/10	10,500,000
			PCE (µg/m <sup>3</sup> )	5/7/09	21,100	8/17/09	24,900	10/29/09	32,200	1/27/10	27,400
			Pressure differential (kPa)	5/7/09	-0.02	8/17/09	-0.1	10/29/09	0	1/27/10	0.03
			TCA (µg/m <sup>3</sup> )	5/7/09	119,000	8/17/09	110,000	10/29/09	36,800	1/27/10	71,700
			TCE (µg/m <sup>3</sup> )	5/7/09	34,800	8/17/09	34,400	10/29/09	38,200	1/27/10	30,400

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031 (cont.)	100	100	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	12,300,000	8/17/09	12,200,000	10/29/09	14,100,000	1/27/10	13,100,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	5360	8/17/09	5410	10/29/09	8400	1/27/10	5790
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	60.7 <sup>b</sup>	8/17/09	15,100,000	10/29/09	8,250,000	1/27/10	10,400,000
			PCE (µg/m <sup>3</sup> )	5/7/09	29,600	8/17/09	36,800	10/29/09	43,400	1/27/10	36,000
			Pressure differential (kPa)	5/7/09	-0.06	8/17/09	-0.15	10/29/09	0	1/27/10	0
			TCA (µg/m <sup>3</sup> )	5/7/09	172,000	8/17/09	152,000	10/29/09	113,000	1/27/10	132,000
			TCE (µg/m <sup>3</sup> )	5/7/09	48,500	8/17/09	41,200	10/29/09	48,000	1/27/10	37,000
	160	160	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	11,200,000	8/17/09	11,000,000	10/29/09	12,600,000	1/27/10	10,100,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	7330	8/17/09	6540	10/29/09	10,500	1/27/10	7010
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	61 <sup>b</sup>	8/17/09	15,000,000	10/29/09	8,370,000	1/27/10	10,200,000
			PCE (µg/m <sup>3</sup> )	5/7/09	38,700	8/17/09	45,200	10/29/09	50,900	1/27/10	46,900
			Pressure differential (kPa)	5/7/09	0	8/17/09	-0.13	10/29/09	0.08	1/27/10	0
			TCA (µg/m <sup>3</sup> )	5/7/09	183,000	8/17/09	166,000	10/29/09	125,000	1/27/10	142,000
			TCE (µg/m <sup>3</sup> )	5/7/09	52,800	8/17/09	44,900	10/29/09	48,800	1/27/10	39,600
	200	200	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	10,300,000	8/17/09	10,800,000	10/29/09	12,200,000	1/27/10	6,500,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	8740	8/17/09	9480	10/29/09	11,200	1/27/10	6830
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	60.9 <sup>b</sup>	8/17/09	14,200,000	10/29/09	8,470,000	1/27/10	9,570,000
			PCE (µg/m <sup>3</sup> )	5/7/09	40,700	8/17/09	51,500	10/29/09	52,600	1/27/10	27,900
			Pressure differential (kPa)	5/7/09	-0.14	8/17/09	-0.13	10/29/09	0.26	1/27/10	-0.20
			TCA (µg/m <sup>3</sup> )	5/7/09	152,000	8/17/09	150,000	10/29/09	105,000	1/27/10	76,300
			TCE (µg/m <sup>3</sup> )	5/7/09	44,500	8/17/09	37,700	10/29/09	44,500	1/27/10	21,800

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031 (cont.)	220	220	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	NS	8/17/09	1,470,000 <sup>d</sup>	10/29/09	3,720,000	1/27/10	1,990,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	NS	8/17/09	544 <sup>d</sup>	10/29/09	2130	1/27/10	-672
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	NS	8/17/09	9,340,000 <sup>d</sup>	10/29/09	7,580,000	1/27/10	6,600,000
			PCE (µg/m <sup>3</sup> )	5/7/09	NS	8/17/09	3440 <sup>d</sup>	10/29/09	12,700	1/27/10	191
			Pressure differential (kPa)	5/7/09	-0.05 <sup>e</sup>	8/17/09	-0.04 <sup>d</sup>	10/29/09	0	1/27/10	0
			TCA (µg/m <sup>3</sup> )	5/7/09	NS	8/17/09	6520 <sup>d</sup>	10/29/09	10,200	1/27/10	5100
			TCE (µg/m <sup>3</sup> )	5/7/09	NS	8/17/09	3010 <sup>d</sup>	10/29/09	11,000	1/27/10	3260
	260	260	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	7,120,000	8/17/09	7,700,000	10/29/09	7,720,000	1/27/10	2,130,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	4650	8/17/09	5550	10/29/09	6650	1/27/10	2220
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	57.4 <sup>b</sup>	8/17/09	13,100,000	10/29/09	8,320,000	1/27/10	8,440,000
			PCE (µg/m <sup>3</sup> )	5/7/09	28,200	8/17/09	35,200	10/29/09	31,600	1/27/10	11,800
			Pressure differential (kPa)	5/7/09	-0.1	8/17/09	-0.02	10/29/09	0.1	1/27/10	0
			TCA (µg/m <sup>3</sup> )	5/7/09	82,800	8/17/09	83,000	10/29/09	40,100	1/27/10	12,900
			TCE (µg/m <sup>3</sup> )	5/7/09	24,800	8/17/09	23,200	10/29/09	23,000	1/27/10	3940
54-02034	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	894,000	7/22/09	830,000	10/27/09	837,000	1/29/10	1,240,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	-426	7/22/09	-67	10/27/09	759	1/29/10	257
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	46.6 <sup>b</sup>	7/22/09	13,000,000	10/27/09	5,530,000	1/29/10	7,050,000
			PCE (µg/m <sup>3</sup> )	5/4/09	219	7/22/09	2630	10/27/09	4880	1/29/10	3580
			Pressure differential (kPa)	5/4/09	0	7/22/09	0	10/27/09	0	2/12/10	0
			TCA (µg/m <sup>3</sup> )	5/4/09	-2100	7/22/09	-89	10/27/09	-2200	1/29/10	-4500
			TCE (µg/m <sup>3</sup> )	5/4/09	-717	7/22/09	-1200	10/27/09	304	1/29/10	2040

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034 (cont.)	20	20	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	23,200,000	7/22/09	25,900,000	10/27/09	32,900,000	1/29/10	25,100,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	-1100	7/22/09	-630	10/27/09	929	1/29/10	1260
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	61.3 <sup>b</sup>	7/22/09	13,600,000	10/27/09	11,200,000	1/29/10	7,470,000
			PCE (µg/m <sup>3</sup> )	5/4/09	-1700	7/22/09	1610	10/27/09	8590	1/29/10	6790
			Pressure differential (kPa)	5/4/09	0	7/22/09	-0.03	10/27/09	0.12	2/12/10	0.02
			TCA (µg/m <sup>3</sup> )	5/4/09	9180	7/22/09	48,700	10/27/09	-129,000	1/29/10	-88,000
			TCE (µg/m <sup>3</sup> )	5/4/09	6660	7/22/09	6940	10/27/09	12,900	1/29/10	4150
	60	60	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	23,300,000	7/22/09	16,200,000	10/27/09	20,100,000	1/29/10	16,100,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	-1000	7/22/09	354	10/27/09	927	1/29/10	1050
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	61.9 <sup>b</sup>	7/22/09	14,100,000	10/27/09	12,500,000	1/29/10	7,270,000
			PCE (µg/m <sup>3</sup> )	5/4/09	-3400	7/22/09	5540	10/27/09	7450	1/29/10	6000
			Pressure differential (kPa)	5/4/09	0.03	7/22/09	-0.07	10/27/09	0.33	2/12/10	-0.02
			TCA (µg/m <sup>3</sup> )	5/4/09	11,800	7/22/09	57,000	10/27/09	-42,000	1/29/10	-46,000
			TCE (µg/m <sup>3</sup> )	5/4/09	6640	7/22/09	9470	10/27/09	16,200	1/29/10	6830
	100	100	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	15,700,000	7/22/09	12,100,000	10/27/09	17,700,000	1/29/10	11,400,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	-1200	7/22/09	1100	10/27/09	-135	1/29/10	744
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	62.2 <sup>b</sup>	7/22/09	13,100,000	10/27/09	13,400,000	1/29/10	7,390,000
			PCE (µg/m <sup>3</sup> )	5/4/09	781	7/22/09	1140	10/27/09	7330	1/29/10	6630
			Pressure differential (kPa)	5/4/09	0.05	7/22/09	-0.11	10/27/09	0.54	2/12/10	-0.07
			TCA (µg/m <sup>3</sup> )	5/4/09	41,200	7/22/09	47,300	10/27/09	-20,000	1/29/10	-12,000
			TCE (µg/m <sup>3</sup> )	5/4/09	14,500	7/22/09	7700	10/27/09	22,500	1/29/10	8560



Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034 (cont.)	160	160	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	11,800,000	7/22/09	10,500,000	10/27/09	11,700,000	1/29/10	6,510,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	-725	7/22/09	220	10/27/09	892	1/29/10	514
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	61.9 <sup>b</sup>	7/22/09	13,600,000	10/27/09	12,900,000	1/29/10	7,140,000
			PCE (µg/m <sup>3</sup> )	5/4/09	1610	7/22/09	5830	10/27/09	9840	1/29/10	4430
			Pressure differential (kPa)	5/4/09	0.08	7/22/09	-0.11	10/27/09	0.54	2/12/10	-0.18
			TCA (µg/m <sup>3</sup> )	5/4/09	23,200	7/22/09	40,000	10/27/09	-23,000	1/29/10	-10,000
			TCE (µg/m <sup>3</sup> )	5/4/09	12,400	7/22/09	6320	10/27/09	11,300	1/29/10	5030
	200	200	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	10,500,000	7/22/09	8,330,000	10/27/09	12,000,000	1/29/10	1,600,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	1370	7/22/09	928	10/27/09	437	1/29/10	47.4
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	61.9 <sup>b</sup>	7/22/09	12,700,000	10/27/09	12,900,000	1/29/10	6,990,000
			PCE (µg/m <sup>3</sup> )	5/4/09	3810	7/22/09	1680	10/27/09	5060	1/29/10	2970
			Pressure differential (kPa)	5/4/09	0.07	7/22/09	-0.09	10/27/09	0.46	2/12/10	-0.19
			TCA (µg/m <sup>3</sup> )	5/4/09	15,200	7/22/09	27,000	10/27/09	-28,000	1/29/10	-6000
			TCE (µg/m <sup>3</sup> )	5/4/09	4840	7/22/09	8570	10/27/09	12,200	1/29/10	2590
	220	220	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	98,600,000	7/22/09	6,400,000	10/27/09	10,900,000	1/29/10	1,600,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	-35	7/22/09	1050	10/27/09	539	1/29/10	197
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	62.2 <sup>b</sup>	7/22/09	12,100,000	10/27/09	13,400,000	1/29/10	6,490,000
			PCE (µg/m <sup>3</sup> )	5/4/09	2120	7/22/09	-804	10/27/09	7600	1/29/10	3050
			Pressure differential (kPa)	5/4/09	0.08	7/22/09	-0.11	10/27/09	0.56	2/12/10	-0.20
			TCA (µg/m <sup>3</sup> )	5/4/09	13,200	7/22/09	16,700	10/27/09	-29,000	1/29/10	-5200
			TCE (µg/m <sup>3</sup> )	5/4/09	3370	7/22/09	3130	10/27/09	11,200	1/29/10	1870

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034 (cont.)	260	260	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	67,500,000	7/22/09	4,490,000	10/27/09	6,450,000	1/29/10	1,260,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	95.7	7/22/09	-478	10/27/09	328	1/29/10	109
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	61.3 <sup>b</sup>	7/22/09	12,800,000	10/27/09	13,700,000	1/29/10	7,060,000
			PCE (µg/m <sup>3</sup> )	5/4/09	5500	7/22/09	2110	10/27/09	4930	1/29/10	2740
			Pressure differential (kPa)	5/4/09	0.07	7/22/09	-0.07	10/27/09	0.45	2/12/10	-0.17
			TCA (µg/m <sup>3</sup> )	5/4/09	-5500	7/22/09	2880	10/27/09	-28,000	1/29/10	-3500
			TCE (µg/m <sup>3</sup> )	5/4/09	726	7/22/09	1890	10/27/09	4280	1/29/10	2230
	300	300	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/4/09	14,700,000	7/22/09	3,420,000	10/27/09	4,560,000	1/29/10	1,310,000
			Freon-11 (µg/m <sup>3</sup> )	5/4/09	64.4	7/22/09	-440	10/27/09	-380	1/29/10	44.4
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/4/09	44 <sup>b</sup>	7/22/09	13,600,000	10/27/09	14,300,000	1/29/10	6,930,000
			PCE (µg/m <sup>3</sup> )	5/4/09	-280	7/22/09	544	10/27/09	1050	1/29/10	3070
			Pressure differential (kPa)	5/4/09	0.09	7/22/09	-0.09	10/27/09	0.42	2/12/10	-0.18
			TCA (µg/m <sup>3</sup> )	5/4/09	-5700	7/22/09	1860	10/27/09	-19,000	1/29/10	-4600
			TCE (µg/m <sup>3</sup> )	5/4/09	-1400	7/22/09	2860	10/27/09	4930	1/29/10	1950
54-02089	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/6/09	792,000	7/21/09	805,000	11/3/09	1,100,000	1/26/10	3,030,000
			Freon-11 (µg/m <sup>3</sup> )	5/6/09	-273	7/21/09	-237	11/3/09	-206	1/26/10	307
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/6/09	32.7 <sup>b</sup>	7/21/09	11,800,000	11/3/09	9,390,000	1/26/10	9,830,000
			PCE (µg/m <sup>3</sup> )	5/6/09	453	7/21/09	2340	11/3/09	2200	1/26/10	4500
			Pressure differential (kPa)	5/6/09	0	7/21/09	0	11/3/09	0	1/26/10	NS
			TCA (µg/m <sup>3</sup> )	5/6/09	-5500	7/21/09	-1100	11/3/09	-5500	1/26/10	-15,000
			TCE (µg/m <sup>3</sup> )	5/6/09	-1300	7/21/09	1070	11/3/09	2590	1/26/10	2980

**Table 4.0-2 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02089 (cont.)	13	13	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/6/09	44,500,000	7/21/09	52,100,000	11/3/09	61,100,000	1/26/10	55,000,000
			Freon-11 (µg/m <sup>3</sup> )	5/6/09	82,300	7/21/09	97,600	11/3/09	84,800	1/26/10	113,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/6/09	64.5 <sup>b</sup>	7/21/09	17,100,000	11/3/09	17,300,000	1/26/10	7,770,000
			PCE (µg/m <sup>3</sup> )	5/6/09	543,000	7/21/09	688,000	11/3/09	490,000	1/26/10	722,000
			Pressure differential (kPa)	5/6/09	-0.03	7/21/09	-0.02	11/3/09	0	1/26/10	0.02
			TCA (µg/m <sup>3</sup> )	5/6/09	1610	7/21/09	1,800,000	11/3/09	1,420,000	1/26/10	1,450,000
			TCE (µg/m <sup>3</sup> )	5/6/09	697,000	7/21/09	633,000	11/3/09	768,000	1/26/10	569,000
	31	31	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/6/09	47,300,000	7/21/09	35,200,000	11/3/09	62,100,000	1/26/10	57,900,000
			Freon-11 (µg/m <sup>3</sup> )	5/6/09	150,000	7/21/09	98,700	11/3/09	224,000	1/26/10	196,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/6/09	65.2 <sup>b</sup>	7/21/09	14,300,000	11/3/09	17,500,000	1/26/10	7,490,000
			PCE (µg/m <sup>3</sup> )	5/6/09	938,000	7/21/09	712,000	11/3/09	1,220,000	1/26/10	1,330,000
			Pressure differential (kPa)	5/6/09	-0.03	7/21/09	-0.02	11/3/09	0	1/26/10	0.02
			TCE (µg/m <sup>3</sup> )	5/6/09	807,000	7/21/09	425,000	11/3/09	643,000	1/26/10	558,000
46	46	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/6/09	47,000,000	7/21/09	50,600,000	11/3/09	56,200,000	1/26/10	57,100,000	
		Freon-11 (µg/m <sup>3</sup> )	5/6/09	183,000	7/21/09	189,000	11/3/09	230,000	1/26/10	243,000	
		H <sub>2</sub> O (µg/m <sup>3</sup> )	5/6/09	64.1 <sup>b</sup>	7/21/09	17,200,000	11/3/09	17,200,000	1/26/10	7,880,000	
		PCE (µg/m <sup>3</sup> )	5/6/09	1,120,000	7/21/09	1380	11/3/09	1,250,000	1/26/10	1,650,000	
		Pressure differential (kPa)	5/6/09	-0.03	7/21/09	-0.05	11/3/09	0	1/26/10	0	
		TCA (µg/m <sup>3</sup> )	5/6/09	2,730,000	7/21/09	2990	11/3/09	2,560,000	1/26/10	3,090,000	
		TCE (µg/m <sup>3</sup> )	5/6/09	801,000	7/21/09	741,000	11/3/09	583,000	1/26/10	601,000	

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02089 (cont.)	86	86	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/6/09	43,500,000	7/21/09	46,300,000	11/3/09	52,300,000	1/26/10	47,800,000
			Freon-11 (µg/m <sup>3</sup> )	5/6/09	195,000	7/21/09	187,000	11/3/09	253,000	1/26/10	223,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/6/09	64.4 <sup>b</sup>	7/21/09	16,300,000	11/3/09	17,400,000	1/26/10	8,080,000
			PCE (µg/m <sup>3</sup> )	5/6/09	1,200,000	7/21/09	1,340,000	11/3/09	1,370,000	1/26/10	1,510,000
			Pressure differential (kPa)	5/6/09	-0.08	7/21/09	-0.03	11/3/09	0	1/26/10	0.03
			TCA (µg/m <sup>3</sup> )	5/6/09	3,270,000	7/21/09	3,310,000	11/3/09	3,330,000	1/26/10	3,100,000
			TCE (µg/m <sup>3</sup> )	5/6/09	976,000	7/21/09	825,000	11/3/09	811,000	1/26/10	650,000
54-24238	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	991,000	7/21/09	16,700,000	11/3/09	1,280,000	1/26/10	1,790,000
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	-22	7/21/09	448	11/3/09	-304	1/26/10	595
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	33.7 <sup>b</sup>	7/21/09	11,000,000	11/3/09	8,780,000	1/26/10	1,700,000
			PCE (µg/m <sup>3</sup> )	5/13/09	-272	7/21/09	14,200	11/3/09	5030	1/26/10	7020
			Pressure differential (kPa)	5/13/09	0	7/21/09	0	11/3/09	0	1/26/10	NS
			TCA (µg/m <sup>3</sup> )	5/13/09	-6900	7/21/09	4490	11/3/09	-7500	1/26/10	-14,000
			TCE (µg/m <sup>3</sup> )	5/13/09	-1500	7/21/09	25,400	11/3/09	3930	1/26/10	3210
	44	43-45	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	51,600,000	7/21/09	55,000,000	11/3/09	68,300,000	1/26/10	1,300,000 <sup>f</sup>
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	223,000	7/21/09	216,000	11/3/09	285,000	1/26/10	301 <sup>f</sup>
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	64.8 <sup>b</sup>	7/21/09	15,600,000	11/3/09	19,300,000	1/26/10	4,850,000 <sup>f</sup>
			PCE (µg/m <sup>3</sup> )	5/13/09	1,390,000	7/21/09	1,620,000	11/3/09	1,640,000	1/26/10	6850 <sup>f</sup>
			Pressure differential (kPa)	5/13/09	0	7/21/09	0	11/3/09	0.06	1/26/10	0.38 <sup>f</sup>
			TCE (µg/m <sup>3</sup> )	5/13/09	3,050,000	7/21/09	2,960,000	11/3/09	3,030,000	1/26/10	-6800 <sup>f</sup>
			5/13/09	793,000	7/21/09	651,000	11/3/09	685,000	1/26/10	3840 <sup>f</sup>	

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24238 (cont.)	64	63–65	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	44,000,000	7/21/09	46,100,000	11/3/09	53,500,000	1/26/10	38,200,000
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	222,000	7/21/09	219,000	11/3/09	295,000	1/26/10	195,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	65.1 <sup>b</sup>	7/21/09	15,400,000	11/3/09	18,200,000	1/26/10	10,500,000
			PCE (µg/m <sup>3</sup> )	5/13/09	1,370,000	7/21/09	1,630,000	11/3/09	1,670,000	1/26/10	1,340,000
			Pressure differential (kPa)	5/13/09	0.04	7/21/09	0.27	11/3/09	0.03	1/26/10	1.01
			TCA (µg/m <sup>3</sup> )	5/13/09	3,570,000	7/21/09	3,480,000	11/3/09	3,250,000	1/26/10	2,220,000
			TCE (µg/m <sup>3</sup> )	5/13/09	764,000	7/21/09	611,000	11/3/09	603,000	1/26/10	366,000
	84	83–85	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	41,000,000	7/21/09	43,700,000	11/3/09	51,400,000	1/26/10	1,240,000
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	196,000	7/21/09	198,000	11/3/09	287,000	1/26/10	423
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	66.3 <sup>b</sup>	7/21/09	15,500,000	11/3/09	18,100,000	1/26/10	4,360,000
			PCE (µg/m <sup>3</sup> )	5/13/09	1,180,000	7/21/09	1,420,000	11/3/09	1,600,000	1/26/10	6730
			Pressure differential (kPa)	5/13/09	0	7/21/09	0.22	11/3/09	0.04	1/26/10	0.35
			TCA (µg/m <sup>3</sup> )	5/13/09	2,990,000	7/21/09	2,990,000	11/3/09	3,110,000	1/26/10	–9000
			TCE (µg/m <sup>3</sup> )	5/13/09	772,000	7/21/09	637,000	11/3/09	629,000	1/26/10	2560
54-24239	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/6/09	1160	7/17/09	794,000	11/2/09	961,000	1/25/10	1,310,000
			Freon-11 (µg/m <sup>3</sup> )	5/6/09	1040	7/17/09	–313	11/2/09	113	1/25/10	387
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/6/09	35.9 <sup>b</sup>	7/17/09	8,950,000	11/2/09	7,190,000	1/25/10	6,080,000
			PCE (µg/m <sup>3</sup> )	5/6/09	4120	7/17/09	–820	11/2/09	3130	1/25/10	11,200
			Pressure differential (kPa)	5/6/09	0	7/17/09	0	11/2/09	0	1/25/10	NS
			TCA (µg/m <sup>3</sup> )	5/6/09	–8800	7/17/09	–1500	11/2/09	–2200	1/25/10	–8600
			TCE (µg/m <sup>3</sup> )	5/6/09	–1600	7/17/09	3660	11/2/09	2020	1/25/10	866

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24239 (cont.)	25	24–26	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/6/09	11,300,000	7/17/09	10,600,000	11/2/09	22,600,000	1/25/10	24,400,000
			Freon-11 (µg/m <sup>3</sup> )	5/6/09	9970	7/17/09	6840	11/2/09	27,400	1/25/10	33,700
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/6/09	55.8 <sup>b</sup>	7/17/09	12,100,000	11/2/09	16,900,000	1/25/10	6,360,000
			PCE (µg/m <sup>3</sup> )	5/6/09	208,000	7/17/09	179,000	11/2/09	405,000	1/25/10	533,000
			Pressure differential (kPa)	5/6/09	0.04	7/17/09	0	11/2/09	-0.05	1/25/10	-0.09
			TCA (µg/m <sup>3</sup> )	5/6/09	335,000	7/17/09	280,000	11/2/09	486,000	1/25/10	569,000
			TCE (µg/m <sup>3</sup> )	5/6/09	112,000	7/17/09	79,400	11/2/09	147,000	1/25/10	142,000
	50	49–51	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/6/09	21,100,000	7/17/09	9,190,000	11/2/09	24,100,000	1/25/10	25,100,000
			Freon-11 (µg/m <sup>3</sup> )	5/6/09	24,000	7/17/09	8550	11/2/09	34,300	1/25/10	36,800
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/6/09	67 <sup>b</sup>	7/17/09	11,200,000	11/2/09	18,200,000	1/25/10	6,660,000
			PCE (µg/m <sup>3</sup> )	5/6/09	443,000	7/17/09	174,000	11/2/09	474,000	1/25/10	564,000
			Pressure differential (kPa)	5/6/09	0.05	7/17/09	0	11/2/09	-0.08	1/25/10	-0.09
			TCA (µg/m <sup>3</sup> )	5/6/09	784,000	7/17/09	278,000	11/2/09	656,000	1/25/10	677,000
			TCE (µg/m <sup>3</sup> )	5/6/09	250,000	7/17/09	78,500	11/2/09	193,000	1/25/10	168,000
	75	74–76	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/6/09	20,800,000	7/17/09	8,510,000	11/2/09	22,300,000	1/25/10	23,000,000
			Freon-11 (µg/m <sup>3</sup> )	5/6/09	26,500	7/17/09	8500	11/2/09	33,800	1/25/10	36,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/6/09	65.9 <sup>b</sup>	7/17/09	10,700,000	11/2/09	19,600,000	1/25/10	7,050,000
			PCE (µg/m <sup>3</sup> )	5/6/09	447,000	7/17/09	161,000	11/2/09	452,000	1/25/10	526,000
			Pressure differential (kPa)	5/6/09	0.05	7/17/09	-0.03	11/2/09	-0.13	1/25/10	-0.13
			TCA (µg/m <sup>3</sup> )	5/6/09	851,000	7/17/09	290,000	11/2/09	681,000	1/25/10	687,000
			TCE (µg/m <sup>3</sup> )	5/6/09	271,000	7/17/09	81,100	11/2/09	192,000	1/25/10	167,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24239 (cont.)	99.5	98.5–100.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/6/09	21,000,000	7/17/09	8,630,000	11/2/09	22,300,000	1/25/10	23,800,000
			Freon-11 (µg/m <sup>3</sup> )	5/6/09	29,700	7/17/09	8590	11/2/09	35,900	1/25/10	39,500
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/6/09	65.4 <sup>b</sup>	7/17/09	10,500,000	11/2/09	19,200,000	1/25/10	6,680,000
			PCE (µg/m <sup>3</sup> )	5/6/09	445,000	7/17/09	147,000	11/2/09	426,000	1/25/10	526,000
			Pressure differential (kPa)	5/6/09	0.05	7/17/09	-0.04	11/2/09	-0.12	1/25/10	-0.11
			TCA (µg/m <sup>3</sup> )	5/6/09	929,000	7/17/09	296,000	11/2/09	744,000	1/25/10	757,000
			TCE (µg/m <sup>3</sup> )	5/6/09	295,000	7/17/09	80,900	11/2/09	205,000	1/25/10	185,000
54-24240	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	904,000	7/17/09	1,010,000	11/2/09	1,340,000	1/25/10	1,540,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	773	7/17/09	-138	11/2/09	-177	1/25/10	476
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	38 <sup>b</sup>	7/17/09	9,860,000	11/2/09	6,620,000	1/25/10	6,860,000
			PCE (µg/m <sup>3</sup> )	5/14/09	2200	7/17/09	242	11/2/09	4760	1/25/10	12,200
			Pressure differential (kPa)	5/14/09	0	7/17/09	0	11/2/09	0	1/25/10	NS
			TCA (µg/m <sup>3</sup> )	5/14/09	-4600	7/17/09	468	11/2/09	-1300	1/25/10	-11,000
			TCE (µg/m <sup>3</sup> )	5/14/09	-476	7/17/09	1260	11/2/09	259	1/25/10	1560
	28	27–29	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	27,600,000	7/17/09	21,800,000	11/2/09	35,800,000	1/25/10	32,700,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	24,200	7/17/09	23,300	11/2/09	36,500	1/25/10	55,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	62.2 <sup>b</sup>	7/17/09	13,500,000	11/2/09	21,500,000	1/25/10	7,230,000
			PCE (µg/m <sup>3</sup> )	5/14/09	541,000	7/17/09	345,000	11/2/09	470,000	1/25/10	627,000
			Pressure differential (kPa)	5/14/09	0.03	7/17/09	0	11/2/09	0	1/25/10	0
			TCE (µg/m <sup>3</sup> )	5/14/09	1,080,000	7/17/09	570,000	11/2/09	1,000,000	1/25/10	1,000,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24240 (cont.)	53	52-54	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	28,500,000	7/17/09	16,800,000	11/2/09	35,600,000	1/25/10	35,000,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	47,300	7/17/09	30,000	11/2/09	66,700	1/25/10	76,600
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	63.5 <sup>b</sup>	7/17/09	14,600,000	11/2/09	23,200,000	1/25/10	7,220,000
			PCE (µg/m <sup>3</sup> )	5/14/09	596,000	7/17/09	307,000	11/2/09	600,000	1/25/10	748,000
			Pressure differential (kPa)	5/14/09	0.03	7/17/09	0	11/2/09	0	1/25/10	0
			TCA (µg/m <sup>3</sup> )	5/14/09	2,980,000	7/17/09	1,499,000	11/2/09	2,780,000	1/25/10	2,730,000
			TCE (µg/m <sup>3</sup> )	5/14/09	1,190,000	7/17/09	530,000	11/2/09	1,210,000	1/25/10	1,080,000
	78	77-79	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	23,700,000	7/17/09	12,000,000	11/2/09	26,500,000	1/25/10	27,800,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	38,700	7/17/09	18,300	11/2/09	50,900	1/25/10	54,700
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	63.5 <sup>b</sup>	7/17/09	12,800,000	11/2/09	19,600,000	1/25/10	6,910,000
			PCE (µg/m <sup>3</sup> )	5/14/09	453,000	7/17/09	208,000	11/2/09	448,000	1/25/10	535,000
			Pressure differential (kPa)	5/14/09	0.02	7/17/09	-0.04	11/2/09	-0.07	1/25/10	-0.09
			TCA (µg/m <sup>3</sup> )	5/14/09	2,030,000	7/17/09	883,000	11/2/09	1,890,000	1/25/10	1,880,000
			TCE (µg/m <sup>3</sup> )	5/14/09	677,000	7/17/09	260,000	11/2/09	630,000	1/25/10	551,000
	103	102-104	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	18,700,000	7/17/09	19,800,000	11/2/09	19,900,000	1/25/10	20,800,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	25,400	7/17/09	26,400	11/2/09	33,000	1/25/10	35,900
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	63.6 <sup>b</sup>	7/17/09	12,800,000	11/2/09	17,600,000	1/25/10	7,110,000
			PCE (µg/m <sup>3</sup> )	5/14/09	311,000	7/17/09	328,000	11/2/09	305,000	1/25/10	351,000
			Pressure differential (kPa)	5/14/09	-0.03	7/17/09	-0.09	11/2/09	-0.2	1/25/10	-0.11
			TCA (µg/m <sup>3</sup> )	5/14/09	1,580,000	7/17/09	1,560,000	11/2/09	1,430,000	1/25/10	1,410,000
			TCE (µg/m <sup>3</sup> )	5/14/09	462,000	7/17/09	399,000	11/2/09	412,000	1/25/10	353,000



Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24240 (cont.)	128	127-129	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	15,600,000	7/17/09	14,200,000	11/2/09	17,300,000	1/25/10	17,800,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	19,000	7/17/09	16,300	11/2/09	27,500	1/25/10	28,300
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	62.2 <sup>b</sup>	7/17/09	11,700,000	11/2/09	17,700,000	1/25/10	6,880,000
			PCE (µg/m <sup>3</sup> )	5/14/09	214,000	7/17/09	185,000	11/2/09	236,000	1/25/10	249,000
			Pressure differential (kPa)	5/14/09	-0.09	7/17/09	-0.15	11/2/09	-0.32	1/25/10	-0.28
			TCA (µg/m <sup>3</sup> )	5/14/09	1,290,000	7/17/09	1,060,000	11/2/09	1,220,000	1/25/10	1,160,000
			TCE (µg/m <sup>3</sup> )	5/14/09	360,000	7/17/09	251,000	11/2/09	323,000	1/25/10	263,000
	153	152-154	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	14,100,000	7/17/09	13,300,000	11/2/09	16,100,000	1/25/10	14,400,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	18,400	7/17/09	16,400	11/2/09	25,900	1/25/10	22,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	63.1 <sup>b</sup>	7/17/09	14,200,000	11/2/09	16,400,000	1/25/10	6,680,000
			PCE (µg/m <sup>3</sup> )	5/14/09	173,000	7/17/09	159,000	11/2/09	205,000	1/25/10	181,000
			Pressure differential (kPa)	5/14/09	0	7/17/09	0	11/2/09	-0.49	1/25/10	0
			TCA (µg/m <sup>3</sup> )	5/14/09	1,140,000	7/17/09	1,000,000	11/2/09	1,130,000	1/25/10	919,000
			TCE (µg/m <sup>3</sup> )	5/14/09	310,000	7/17/09	241,000	11/2/09	283,000	1/25/10	207,000
54-24241	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	796,000	7/20/09	997,000	11/2/09	7,590,000	2/11/10	1,030,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	733	7/20/09	-45	11/2/09	-772	2/11/10	322
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	34.5 <sup>b</sup>	7/20/09	10,200,000	11/2/09	7,590,000	2/11/10	9,590,000
			PCE (µg/m <sup>3</sup> )	5/14/09	216	7/20/09	1480	11/2/09	2400	2/11/10	5140
			Pressure differential (kPa)	5/14/09	0	7/20/09	0	11/2/09	0	2/11/10	NS
			TCA (µg/m <sup>3</sup> )	5/14/09	-4300	7/20/09	-550	11/2/09	-3400	2/11/10	-5800
			TCE (µg/m <sup>3</sup> )	5/14/09	-2500	7/20/09	1870	11/2/09	4120	2/11/10	2390

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241 (cont.)	73	71-74	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	27,300,000	7/20/09	30,800,000	11/2/09	31,900,000	2/11/10	33,600,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	64,200	7/20/09	58,300	11/2/09	74,900	2/11/10	70,400
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	65.2 <sup>b</sup>	7/20/09	15,400,000	11/2/09	18,700,000	2/11/10	10,500,000
			PCE (µg/m <sup>3</sup> )	5/14/09	499,000	7/20/09	536,000	11/2/09	503,000	2/11/10	580,000
			Pressure differential (kPa)	5/14/09	-0.16	7/20/09	0.09	11/2/09	-0.15	2/11/10	-0.03
			TCA (µg/m <sup>3</sup> )	5/14/09	1,640,000	7/20/09	1,754,000	11/2/09	1,560,000	2/11/10	1,550,000
			TCE (µg/m <sup>3</sup> )	5/14/09	388,000	7/20/09	374,000	11/2/09	353,000	2/11/10	336,000
	93	92-94	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	24,400,000	7/20/09	28,900,000	11/2/09	28,500,000	2/11/10	29,800,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	56,200	7/20/09	55,200	11/2/09	68,200	2/11/10	63,400
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	66.5 <sup>b</sup>	7/20/09	15,200,000	11/2/09	17,000,000	2/11/10	10,800,000
			PCE (µg/m <sup>3</sup> )	5/14/09	451,000	7/20/09	508,000	11/2/09	472,000	2/11/10	528,000
			Pressure differential (kPa)	5/14/09	-0.21	7/20/09	0.12	11/2/09	-0.22	2/11/10	-0.05
			TCA (µg/m <sup>3</sup> )	5/14/09	1,370,000	7/20/09	1,530,000	11/2/09	1,390,000	2/11/10	1,320,000
			TCE (µg/m <sup>3</sup> )	5/14/09	360,000	7/20/09	360,000	11/2/09	352,000	2/11/10	314,000
	113	112-114	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	20,600,000	7/20/09	25,500,000	11/2/09	22,900,000	2/11/10	23,600,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	45,100	7/20/09	48,600	11/2/09	52,600	2/11/10	46,500
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	63.8 <sup>b</sup>	7/20/09	15,900,000	11/2/09	19,000,000	2/11/10	10,700,000
			PCE (µg/m <sup>3</sup> )	5/14/09	332,000	7/20/09	423,000	11/2/09	345,000	2/11/10	372,000
			Pressure differential (kPa)	5/14/09	-0.23	7/20/09	0.13	11/2/09	-0.27	2/11/10	-0.05
			TCA (µg/m <sup>3</sup> )	5/14/09	976,000	7/20/09	1,240,000	11/2/09	1,000,000	2/11/10	864,000
			TCE (µg/m <sup>3</sup> )	5/14/09	273,000	7/20/09	299,000	11/2/09	262,000	2/11/10	225,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241 (cont.)	133	132-134	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	15,700,000	7/20/09	21,800,000	11/2/09	19,900,000	2/11/10	19,100,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	39,100	7/20/09	46,500	11/2/09	48,400	2/11/10	46,700
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	60.4 <sup>b</sup>	7/20/09	14,000,000	11/2/09	18,600,000	2/11/10	11,200,000
			PCE (µg/m <sup>3</sup> )	5/14/09	246,000	7/20/09	368,000	11/2/09	296,000	2/11/10	335,000
			Pressure differential (kPa)	5/14/09	-0.23	7/20/09	0.14	11/2/09	-0.35	2/11/10	0
			TCA (µg/m <sup>3</sup> )	5/14/09	693,000	7/20/09	1,020,000	11/2/09	807,000	2/11/10	769,000
			TCE (µg/m <sup>3</sup> )	5/14/09	195,000	7/20/09	255,000	11/2/09	214,000	2/11/10	200,000
	153	152-154	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	17,300,000	7/20/09	20,800,000	11/2/09	19,400,000	2/11/10	19,500,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	46,600	7/20/09	46,500	11/2/09	50,800	2/11/10	48,900
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	66.7 <sup>b</sup>	7/20/09	15,100,000	11/2/09	17,900,000	2/11/10	10,900,000
			PCE (µg/m <sup>3</sup> )	5/14/09	298,000	7/20/09	351,000	11/2/09	301,000	2/11/10	326,000
			Pressure differential (kPa)	5/14/09	-0.38	7/20/09	0.16	11/2/09	-0.46	2/11/10	0
			TCA (µg/m <sup>3</sup> )	5/14/09	799,000	7/20/09	966,000	11/2/09	849,000	2/11/10	732,000
			TCE (µg/m <sup>3</sup> )	5/14/09	245,000	7/20/09	250,000	11/2/09	230,000	2/11/10	194,000
	173	172-174	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	17,100,000	7/20/09	20,100,000	11/2/09	18,400,000	2/11/10	19,700,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	47,300	7/20/09	49,900	11/2/09	44,500	2/11/10	51,800
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	66.7 <sup>b</sup>	7/20/09	15,300,000	11/2/09	17,400,000	2/11/10	11,600,000
			PCE (µg/m <sup>3</sup> )	5/14/09	282,000	7/20/09	354,000	11/2/09	269,000	2/11/10	335,000
			Pressure differential (kPa)	5/14/09	-0.35	7/20/09	0.17	11/2/09	-0.46	2/11/10	0
			TCA (µg/m <sup>3</sup> )	5/14/09	791,000	7/20/09	952,000	11/2/09	739,000	2/11/10	744,000
			TCE (µg/m <sup>3</sup> )	5/14/09	244,000	7/20/09	248,000	11/2/09	212,000	2/11/10	195,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241 (cont.)	193	192-194	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/14/09	16,600,000	7/20/09	19,300,000	11/2/09	19,400,000	2/11/10	20,500,000
			Freon-11 (µg/m <sup>3</sup> )	5/14/09	50,400	7/20/09	51,700	11/2/09	47,600	2/11/10	59,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/14/09	66.8 <sup>b</sup>	7/20/09	15,500,000	11/2/09	18,500,000	2/11/10	12,300,000
			PCE (µg/m <sup>3</sup> )	5/14/09	289,000	7/20/09	347,000	11/2/09	291,000	2/11/10	372,000
			Pressure differential (kPa)	5/14/09	0	7/20/09	0	11/2/09	0	2/11/10	0
			TCA (µg/m <sup>3</sup> )	5/14/09	790,000	7/20/09	917,000	11/2/09	822,000	2/11/10	804,000
			TCE (µg/m <sup>3</sup> )	5/14/09	247,000	7/20/09	240,000	11/2/09	240,000	2/11/10	215,000
54-24242	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/11/09	908,000	7/16/09	776,000	11/2/09	913,000	1/25/10	935,000
			Freon-11 (µg/m <sup>3</sup> )	5/11/09	-684	7/16/09	-1500	11/2/09	-579	1/25/10	-14
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/11/09	43.3 <sup>b</sup>	7/16/09	5,360,000	11/2/09	7,350,000	1/25/10	3,670,000
			PCE (µg/m <sup>3</sup> )	5/11/09	1030	7/16/09	173	11/2/09	-773	1/25/10	992
			Pressure differential (kPa)	5/11/09	0	7/16/09	0	11/2/09	0	1/25/10	NS
			TCA (µg/m <sup>3</sup> )	5/11/09	-4400	7/16/09	-1600	11/2/09	-218	1/25/10	-4400
			TCE (µg/m <sup>3</sup> )	5/11/09	-1700	7/16/09	5570	11/2/09	2620	1/25/10	2930
	25	24-26	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/11/09	17,900,000	7/16/09	14,400,000	11/2/09	25,300,000	1/25/10	19,700,000
			Freon-11 (µg/m <sup>3</sup> )	5/11/09	14,200	7/16/09	7640	11/2/09	21,300	1/25/10	25,500
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/11/09	67.9 <sup>b</sup>	7/16/09	12,700,000	11/2/09	21,600,000	1/25/10	4,620,000
			PCE (µg/m <sup>3</sup> )	5/11/09	635,000	7/16/09	677,000	11/2/09	867,000	1/25/10	621,000
			Pressure differential (kPa)	5/11/09	0.17	7/16/09	0	11/2/09	0	1/25/10	0
			TCA (µg/m <sup>3</sup> )	5/11/09	429,000	7/16/09	312,000	11/2/09	418,000	1/25/10	249,000
			TCE (µg/m <sup>3</sup> )	5/11/09	172,000	7/16/09	117,000	11/2/09	141,000	1/25/10	75,700

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24242 (cont.)	50	49-51	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/11/09	19,500,000	7/16/09	8,500,000	11/2/09	20,600,000	1/25/10	21,000,000
			Freon-11 (µg/m <sup>3</sup> )	5/11/09	33,800	7/16/09	11,500	11/2/09	35,100	1/25/10	42,400
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/11/09	73.1 <sup>b</sup>	7/16/09	10,400,000	11/2/09	19,700,000	1/25/10	4,790,000
			PCE (µg/m <sup>3</sup> )	5/11/09	507,000	7/16/09	193,000	11/2/09	501,000	1/25/10	579,000
			Pressure differential (kPa)	5/11/09	0.12	7/16/09	-0.04	11/2/09	-0.21	1/25/10	-0.18
			TCA (µg/m <sup>3</sup> )	5/11/09	904,000	7/16/09	335,000	11/2/09	800,000	1/25/10	766,000
			TCE (µg/m <sup>3</sup> )	5/11/09	279,000	7/16/09	84,400	11/2/09	237,000	1/25/10	171,000
	75	74-76	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/11/09	21,500,000	7/16/09	11,400,000	11/2/09	24,900,000	1/25/10	22,000,000
			Freon-11 (µg/m <sup>3</sup> )	5/11/09	32,600	7/16/09	12,100	11/2/09	40,500	1/25/10	42,400
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/11/09	64.7 <sup>b</sup>	7/16/09	9,900,000	11/2/09	20,900,000	1/25/10	5,030,000
			PCE (µg/m <sup>3</sup> )	5/11/09	681,000	7/16/09	327,000	11/2/09	723,000	1/25/10	705,000
			Pressure differential (kPa)	5/11/09	0.12	7/16/09	0	11/2/09	-0.05	1/25/10	-0.13
			TCA (µg/m <sup>3</sup> )	5/11/09	960,000	7/16/09	435,000	11/2/09	849,000	1/25/10	674,000
			TCE (µg/m <sup>3</sup> )	5/11/09	310,000	7/16/09	129,000	11/2/09	251,000	1/25/10	150,000
	100	99-101	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/11/09	21,400,000	7/16/09	15,000,000	11/2/09	26,200,000	1/25/10	24,700,000
			Freon-11 (µg/m <sup>3</sup> )	5/11/09	20,300	7/16/09	11,100	11/2/09	32,500	1/25/10	40,700
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/11/09	66.4 <sup>b</sup>	7/16/09	11,900,000	11/2/09	21,400,000	1/25/10	5,180,000
			PCE (µg/m <sup>3</sup> )	5/11/09	727,000	7/16/09	511,000	11/2/09	850,000	1/25/10	867,000
			Pressure differential (kPa)	5/11/09	0.08	7/16/09	0.02	11/2/09	0	1/25/10	-0.05
			TCA (µg/m <sup>3</sup> )	5/11/09	759,000	7/16/09	496,000	11/2/09	725,000	1/25/10	563,000
			TCE (µg/m <sup>3</sup> )	5/11/09	290,000	7/16/09	170,000	11/2/09	232,000	1/25/10	138,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24242 (cont.)	110.5	109.5–111.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/11/09	20,500,000	7/16/09	8,890,000	11/2/09	18,700,000	1/25/10	14,100,000
			Freon-11 (µg/m <sup>3</sup> )	5/11/09	34,000	7/16/09	11,300	11/2/09	28,700	1/25/10	24,200
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/11/09	64.9 <sup>b</sup>	7/16/09	8,770,000	11/2/09	20,100,000	1/25/10	5,100,000
			PCE (µg/m <sup>3</sup> )	5/11/09	330,000	7/16/09	200,000	11/2/09	509,000	1/25/10	379,000
			Pressure differential (kPa)	5/11/09	0.13	7/16/09	-0.04	11/2/09	-0.19	1/25/10	-0.29
			TCA (µg/m <sup>3</sup> )	5/11/09	1,040,000	7/16/09	381,000	11/2/09	822,000	1/25/10	568,000
			TCE (µg/m <sup>3</sup> )	5/11/09	333,000	7/16/09	106,000	11/2/09	280,000	1/25/10	135,000
54-24243	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	835,000	7/23/09	1,320,000	11/12/09	1,060,000	2/10/10	990,000
			Freon-11 (µg/m <sup>3</sup> )	5/15/09	1980	7/23/09	-477	11/12/09	-262	2/10/10	186
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	29.2 <sup>b</sup>	7/23/09	12,500,000	11/12/09	9,880,000	2/10/10	14,300,000
			PCE (µg/m <sup>3</sup> )	5/15/09	441	7/23/09	3770	11/12/09	3960	2/10/10	3020
			Pressure differential (kPa)	5/15/09	0	7/23/09	0	11/12/09	0	2/10/10	NS
			TCA (µg/m <sup>3</sup> )	5/15/09	1470	7/23/09	-2300	11/12/09	-3000	2/10/10	-4300
			TCE (µg/m <sup>3</sup> )	5/15/09	-8000	7/23/09	411,000	11/12/09	4220	2/10/10	1440
	25	24–26	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	24,100,000	7/23/09	26,100,000	11/12/09	29,800,000	2/10/10	31,300,000
			Freon-11 (µg/m <sup>3</sup> )	5/15/09	91,300	7/23/09	89,200	11/12/09	130,000	2/10/10	114,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	62.6 <sup>b</sup>	7/23/09	16,700,000	11/12/09	16,500,000	2/10/10	14,000,000
			PCE (µg/m <sup>3</sup> )	5/15/09	539,000	7/23/09	660,000	11/12/09	704,000	2/10/10	769,000
			Pressure differential (kPa)	5/15/09	0.02	7/23/09	0.04	11/12/09	0.04	2/10/10	0
			TCE (µg/m <sup>3</sup> )	5/15/09	232,000	7/23/09	187,000	11/12/09	160,000	2/10/10	191,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24243 (cont.)	50	49-51	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	30,100,000	7/23/09	31,900,000	11/12/09	35,100,000	2/10/10	39,400,000
			Freon-11 (µg/m <sup>3</sup> )	5/15/09	171,000	7/23/09	177,000	11/12/09	225,000	2/10/10	211,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	61.8 <sup>b</sup>	7/23/09	14,000,000	11/12/09	16,500,000	2/10/10	15,100,000
			PCE (µg/m <sup>3</sup> )	5/15/09	1,040,000	7/23/09	1,300,000	11/12/09	1,210,000	2/10/10	1,440,000
			Pressure differential (kPa)	5/15/09	0.02	7/23/09	0.04	11/12/09	0.05	2/10/10	0.11
			TCA (µg/m <sup>3</sup> )	5/15/09	1,490,000	7/23/09	1,490,000	11/12/09	1,390,000	2/10/10	1,660,000
			TCE (µg/m <sup>3</sup> )	5/15/09	365,000	7/23/09	295,000	11/12/09	228,000	2/10/10	258,000
	75	74-76	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	28,400,000	7/23/09	30,300,000	11/12/09	31,200,000	2/10/10	36,000,000
			Freon-11 (µg/m <sup>3</sup> )	5/15/09	130,000	7/23/09	130,000	11/12/09	169,000	2/10/10	174,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	65.8 <sup>b</sup>	7/23/09	21,500,000	11/12/09	17,100,000	2/10/10	15,400,000
			PCE (µg/m <sup>3</sup> )	5/15/09	755,000	7/23/09	926,000	11/12/09	883,000	2/10/10	1,150,000
			Pressure differential (kPa)	5/15/09	0	7/23/09	0.06	11/12/09	0.1	2/10/10	0.03
			TCA (µg/m <sup>3</sup> )	5/15/09	1,610,000	7/23/09	1,620,000	11/12/09	1,420,000	2/10/10	1,720,000
			TCE (µg/m <sup>3</sup> )	5/15/09	424,000	7/23/09	348,000	11/12/09	268,000	2/10/10	297,000
	100	99-101	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	26,300,000	7/23/09	29,000,000	11/12/09	30,200,000	2/10/10	25,800,000
			Freon-11 (µg/m <sup>3</sup> )	5/15/09	104,000	7/23/09	103,000	11/12/09	141,000	2/10/10	108,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	61.3 <sup>b</sup>	7/23/09	14,300,000	11/12/09	16,600,000	2/10/10	15,200,000
			PCE (µg/m <sup>3</sup> )	5/15/09	572,000	7/23/09	676,000	11/12/09	696,000	2/10/10	677,000
			Pressure differential (kPa)	5/15/09	0.02	7/23/09	0.07	11/12/09	0.29	2/10/10	0.05
			TCA (µg/m <sup>3</sup> )	5/15/09	1,610,000	7/23/09	1,690,000	11/12/09	1,560,000	2/10/10	1,350,000
			TCE (µg/m <sup>3</sup> )	5/15/09	428,000	7/23/09	374,000	11/12/09	332,000	2/10/10	260,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24243 (cont.)	125	124–126	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	23,100,000	7/23/09	24,600,000	11/12/09	23,700,000	2/10/10	23,700,000
			Freon-11 (µg/m <sup>3</sup> )	5/15/09	90,400	7/23/09	81,800	11/12/09	100,000	2/10/10	91,600
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	63.4 <sup>b</sup>	7/23/09	14,900,000	11/12/09	16,700,000	2/10/10	14,700,000
			PCE (µg/m <sup>3</sup> )	5/15/09	455,000	7/23/09	495,000	11/12/09	463,000	2/10/10	541,000
			Pressure differential (kPa)	5/15/09	0	7/23/09	0.07	11/12/09	0.04	2/10/10	0.10
			TCA (µg/m <sup>3</sup> )	5/15/09	1,440,000	7/23/09	1,430,000	11/12/09	1,190,000	2/10/10	1,260,000
			TCE (µg/m <sup>3</sup> )	5/15/09	383,000	7/23/09	322,000	11/12/09	270,000	2/10/10	261,000
54-24399	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/11/09	784,000	8/12/09	811,000	12/7/09	960,000	3/2/10	905,000
			Freon-11 (µg/m <sup>3</sup> )	5/11/09	-718	8/12/09	-359	12/7/09	144	3/2/10	752
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/11/09	28.6 <sup>b</sup>	8/12/09	11,300,000	12/7/09	7,500,000	3/2/10	6,490,000
			PCE (µg/m <sup>3</sup> )	5/11/09	-4300	8/12/09	-3100	12/7/09	4270	3/2/10	3370
			Pressure differential (kPa)	5/11/09	0	8/12/09	0	12/7/09	0	3/2/10	NS
			TCA (µg/m <sup>3</sup> )	5/11/09	-2800	8/12/09	195	12/7/09	-1800	3/2/10	-2400
			TCE (µg/m <sup>3</sup> )	5/11/09	-173	8/12/09	5230	12/7/09	3880	3/2/10	1360
	550	550–608	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/11/09	2,250,000	8/12/09	1,470,000	12/7/09	2,130,000	3/2/10	2,900,000
			Freon-11 (µg/m <sup>3</sup> )	5/11/09	-714	8/12/09	1670	12/7/09	8	3/2/10	260
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/11/09	62.4 <sup>b</sup>	8/12/09	24,700,000	12/7/09	8,740,000	3/2/10	11,100,000
			PCE (µg/m <sup>3</sup> )	5/11/09	-492	8/12/09	4460	12/7/09	5230	3/2/10	2940
			Pressure differential (kPa)	5/11/09	0.05	8/12/09	-0.04	12/7/09	0.08	3/2/10	0
			TCA (µg/m <sup>3</sup> )	5/11/09	-1800	8/12/09	1590	12/7/09	-2800	3/2/10	-7400
			TCE (µg/m <sup>3</sup> )	5/11/09	1660	8/12/09	4200	12/7/09	5990	3/2/10	4150



Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	2,050,000	8/17/09	933,000	11/3/09	1,080,000	1/27/10	943,000
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	2670	8/17/09	333	11/3/09	-256	1/27/10	-103
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	39.1 <sup>b</sup>	8/17/09	4,760,000	11/3/09	7,900,000	1/27/10	5,330,000
			PCE (µg/m <sup>3</sup> )	5/13/09	15,000	8/17/09	462	11/3/09	3600	1/27/10	5420
			Pressure differential (kPa)	5/13/09	0	8/17/09	0	11/3/09	0	1/27/10	NS
			TCA (µg/m <sup>3</sup> )	5/13/09	-10,000	8/17/09	241	11/3/09	-3000	1/27/10	-2500
			TCE (µg/m <sup>3</sup> )	5/13/09	8420	8/17/09	1800	11/3/09	4630	1/27/10	2740
	32	29.5-34.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	18,500,000	8/17/09	24,100,000	11/3/09	28,800,000	1/27/10	24,900,000
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	14,400	8/17/09	27,400	11/3/09	49,300	1/27/10	41,500
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	63 <sup>b</sup>	8/17/09	15,700,000	11/3/09	12,700,000	1/27/10	6,000,000
			PCE (µg/m <sup>3</sup> )	5/13/09	334,000	8/17/09	410,000	11/3/09	442,000	1/27/10	432,000
			Pressure differential (kPa)	5/13/09	0	8/17/09	0	11/3/09	0	1/27/10	-0.06
			TCA (µg/m <sup>3</sup> )	5/13/09	2,070,000	8/17/09	2,030,000	11/3/09	1,910,000	1/27/10	1,650,000
			TCE (µg/m <sup>3</sup> )	5/13/09	761,000	8/17/09	721,000	11/3/09	939,000	1/27/10	903,000
	82	79.5-84.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	16,500,000	8/17/09	18,200,000	11/3/09	20,600,000	1/27/10	20,100,000
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	16,100	8/17/09	22,100	11/3/09	37,400	1/27/10	31,300
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	64 <sup>b</sup>	8/17/09	14,900,000	11/3/09	13,400,000	1/27/10	6,150,000
			PCE (µg/m <sup>3</sup> )	5/13/09	298,000	8/17/09	358,000	11/3/09	396,000	1/27/10	394,000
			Pressure differential (kPa)	5/13/09	0.02	8/17/09	0	11/3/09	-0.08	1/27/10	-0.13
			TCA (µg/m <sup>3</sup> )	5/13/09	1,510,000	8/17/09	1,550,000	11/3/09	1,590,000	1/27/10	1,440,000
			TCE (µg/m <sup>3</sup> )	5/13/09	389,000	8/17/09	344,000	11/3/09	369,000	1/27/10	334,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641 (cont.)	115	112.5–117.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	15,400,000	8/17/09	16,700,000	11/3/09	17,500,000	1/27/10	16,800,000
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	15,600	8/17/09	16,000	11/3/09	24,800	1/27/10	21,800
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	63.8 <sup>b</sup>	8/17/09	14,200,000	11/3/09	14,900,000	1/27/10	6,560,000
			PCE (µg/m <sup>3</sup> )	5/13/09	196,000	8/17/09	224,000	11/3/09	230,000	1/27/10	233,000
			Pressure differential (kPa)	5/13/09	0.02	8/17/09	-0.08	11/3/09	-0.26	1/27/10	-0.25
			TCA (µg/m <sup>3</sup> )	5/13/09	1,270,000	8/17/09	1,270,000	11/3/09	1,200,000	1/27/10	1,110,000
			TCE (µg/m <sup>3</sup> )	5/13/09	307,000	8/17/09	276,000	11/3/09	264,000	1/27/10	228,000
	182	179.5–184.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	12,200,000	8/17/09	13,100,000	11/3/09	12,400,000	1/27/10	12,200,000
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	12,600	8/17/09	14,700	11/3/09	16,700	1/27/10	15,200
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	64.1 <sup>b</sup>	8/17/09	14,400,000	11/3/09	16,000,000	1/27/10	6,630,000
			PCE (µg/m <sup>3</sup> )	5/13/09	86,800	8/17/09	95,800	11/3/09	95,600	1/27/10	97,700
			Pressure differential (kPa)	5/13/09	0.16	8/17/09	-0.06	11/3/09	-0.75	1/27/10	-0.37
			TCA (µg/m <sup>3</sup> )	5/13/09	857,000	8/17/09	862,000	11/3/09	786,000	1/27/10	716,000
TCE (µg/m <sup>3</sup> )			5/13/09	212,000	8/17/09	184,000	11/3/09	170,000	1/27/10	143,000	
232	229.5–234.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	11,000,000	8/17/09	11,900,000	11/3/09	13,100,000	1/27/10	11,100,000	
		Freon-11 (µg/m <sup>3</sup> )	5/13/09	13,400	8/17/09	13,700	11/3/09	17,200	1/27/10	13,700	
		H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	62.3 <sup>b</sup>	8/17/09	14,000,000	11/3/09	15,800,000	1/27/10	6,920,000	
		PCE (µg/m <sup>3</sup> )	5/13/09	63,600	8/17/09	76,500	11/3/09	97,400	1/27/10	75,400	
		Pressure differential (kPa)	5/13/09	0.2	8/17/09	-0.05	11/3/09	-0.74	1/27/10	-0.59	
		TCA (µg/m <sup>3</sup> )	5/13/09	477,000	8/17/09	506,000	11/3/09	829,000	1/27/10	390,000	
		TCE (µg/m <sup>3</sup> )	5/13/09	131,000	8/17/09	120,000	11/3/09	181,000	1/27/10	91,500	

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641 (cont.)	271	268.5–273.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	8,460,000	8/17/09	9,010,000	11/3/09	7,730,000	1/27/10	8,620,000
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	8050	8/17/09	8050	11/3/09	9040	1/27/10	9030
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	63.8 <sup>b</sup>	8/17/09	13,900,000	11/3/09	16,800,000	1/27/10	6,930,000
			PCE (µg/m <sup>3</sup> )	5/13/09	40,800	8/17/09	45,100	11/3/09	42,600	1/27/10	48,800
			Pressure differential (kPa)	5/13/09	0.2	8/17/09	-0.04	11/3/09	-0.69	1/27/10	-0.45
			TCA (µg/m <sup>3</sup> )	5/13/09	180,000	8/17/09	192,000	11/3/09	143,000	1/27/10	130,000
			TCE (µg/m <sup>3</sup> )	5/13/09	57,800	8/17/09	53,800	11/3/09	47,900	1/27/10	41,400
	332.5	330–335	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/13/09	4,970,000	8/17/09	5,150,000	11/3/09	4,640,000	1/27/10	4,610,000
			Freon-11 (µg/m <sup>3</sup> )	5/13/09	-265	8/17/09	2370	11/3/09	1100	1/27/10	1710
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/13/09	63.7 <sup>b</sup>	8/17/09	13,700,000	11/3/09	16,500,000	1/27/10	7,190,000
			PCE (µg/m <sup>3</sup> )	5/13/09	14,000	8/17/09	7330	11/3/09	9540	1/27/10	12,500
			Pressure differential (kPa)	5/13/09	0.15	8/17/09	-0.07	11/3/09	-0.68	1/27/10	-0.47
			TCA (µg/m <sup>3</sup> )	5/13/09	6320	8/17/09	16,100	11/3/09	-7200	1/27/10	-18,000
			TCE (µg/m <sup>3</sup> )	5/13/09	13,900	8/17/09	8460	11/3/09	8880	1/27/10	7390
54-27642	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	777,000	7/21/09	770,000	11/9/09	985,000	1/26/10	1,030,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	-191	7/21/09	-857	11/9/09	69.5	1/26/10	-7.7
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	33 <sup>b</sup>	7/21/09	11,500,000	11/9/09	6,990,000	1/26/10	5,660,000
			PCE (µg/m <sup>3</sup> )	5/7/09	-1400	7/21/09	-753	11/9/09	2910	1/26/10	4890
			Pressure differential (kPa)	5/7/09	0	7/21/09	0	11/9/09	0	1/26/10	NS
			TCA (µg/m <sup>3</sup> )	5/7/09	-3400	7/21/09	-5900	11/9/09	-2900	1/26/10	-7000
			TCE (µg/m <sup>3</sup> )	5/7/09	-2000	7/21/09	613	11/9/09	2710	1/26/10	1830

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642 (cont.)	30	27.5–32.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	35,600,000	7/21/09	35,600,000	11/9/09	44,400,000	1/26/10	42,800,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	328,000	7/21/09	260,000	11/9/09	405,000	1/26/10	390,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	62.9 <sup>b</sup>	7/21/09	15,100,000	11/9/09	19,700,000	1/26/10	8,870,000
			PCE (µg/m <sup>3</sup> )	5/7/09	1,980,000	7/21/09	2,000,000	11/9/09	2,270,000	1/26/10	2,810,000
			Pressure differential (kPa)	5/7/09	0	7/21/09	0	11/9/09	-0.03	1/26/10	0.03
			TCA (µg/m <sup>3</sup> )	5/7/09	3,000,000	7/21/09	2,530,000	11/9/09	2,360,000	1/26/10	2,090,000
			TCE (µg/m <sup>3</sup> )	5/7/09	183,000	7/21/09	96,400	11/9/09	-58,000	1/26/10	-149,000
	75	71.5–76.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	36,100,000	7/21/09	27,200,000	11/9/09	29,200,000	1/26/10	27,500,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	333,000	7/21/09	108,000	11/9/09	144,000	1/26/10	120,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	63.6 <sup>b</sup>	7/21/09	14,600,000	11/9/09	18,100,000	1/26/10	6,850,000
			PCE (µg/m <sup>3</sup> )	5/7/09	2,000,000	7/21/09	693,000	11/9/09	697,000	1/26/10	742,000
			Pressure differential (kPa)	5/7/09	0.06	7/21/09	-0.02	11/9/09	0	1/26/10	0.31
			TCA (µg/m <sup>3</sup> )	5/7/09	3,020,000	7/21/09	1,770,000	11/9/09	1,690,000	1/26/10	1,590,000
			TCE (µg/m <sup>3</sup> )	5/7/09	180,000	7/21/09	373,000	11/9/09	340,000	1/26/10	281,000
	116	114.5–119.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	36,700,000	7/21/09	35,800,000	11/9/09	41,900,000	1/26/10	33,200,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	252,000	7/21/09	200,000	11/9/09	305,000	1/26/10	220,000
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	63.8 <sup>b</sup>	7/21/09	15,200,000	11/9/09	20,300,000	1/26/10	8,150,000
			PCE (µg/m <sup>3</sup> )	5/7/09	1480	7/21/09	1,470,000	11/9/09	1,660,000	1/26/10	1,500,000
			Pressure differential (kPa)	5/7/09	0.09	7/21/09	0	11/9/09	-0.19	1/26/10	1.01
			TCA (µg/m <sup>3</sup> )	5/7/09	2,890,000	7/21/09	2,560,000	11/9/09	2,551,000	1/26/10	1,800,000
			TCE (µg/m <sup>3</sup> )	5/7/09	476,000	7/21/09	349,000	11/9/09	269,000	1/26/10	119,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642 (cont.)	175	172.5–177.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	18,800,000	7/21/09	17,200,000	11/9/09	19,200,000	1/26/10	16,500,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	112,000	7/21/09	84,000	11/9/09	111,000	1/26/10	82,300
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	63.1 <sup>b</sup>	7/21/09	14,300,000	11/9/09	17,800,000	1/26/10	6,670,000
			PCE (µg/m <sup>3</sup> )	5/7/09	436,000	7/21/09	396,000	11/9/09	411,000	1/26/10	384,000
			Pressure differential (kPa)	5/7/09	0	7/21/09	0	11/9/09	-0.3	1/26/10	-0.57
			TCA (µg/m <sup>3</sup> )	5/7/09	1,430,000	7/21/09	1,200,000	11/9/09	1,180,000	1/26/10	994,000
			TCE (µg/m <sup>3</sup> )	5/7/09	370,000	7/21/09	261,000	11/9/09	268,000	1/26/10	203,000
	235	232.5–237.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	14,400,000	7/21/09	13,200,000	11/9/09	15,600,000	1/26/10	13,900,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	98,400	7/21/09	74,600	11/9/09	102,000	1/26/10	77,100
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	62.8 <sup>b</sup>	7/21/09	13,600,000	11/9/09	18,300,000	1/26/10	6,280,000
			PCE (µg/m <sup>3</sup> )	5/7/09	357,000	7/21/09	327,000	11/9/09	335,000	1/26/10	339,000
			Pressure differential (kPa)	5/7/09	0	7/21/09	0.02	11/9/09	-0.32	1/26/10	0.14
			TCA (µg/m <sup>3</sup> )	5/7/09	880,000	7/21/09	742,000	11/9/09	774,000	1/26/10	659,000
			TCE (µg/m <sup>3</sup> )	5/7/09	259,000	7/21/09	184,000	11/9/09	200,000	1/26/10	152,000
	275	272.5–277.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	10,800,000	7/21/09	10,000,000	11/9/09	11,600,000	1/26/10	10,900,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	71,300	7/21/09	52,700	11/9/09	73,900	1/26/10	54,700
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	58.7 <sup>b</sup>	7/21/09	13,900,000	11/9/09	17,500,000	1/26/10	6,670,000
			PCE (µg/m <sup>3</sup> )	5/7/09	255,000	7/21/09	235,000	11/9/09	254,000	1/26/10	239,000
			Pressure differential (kPa)	5/7/09	0	7/21/09	0.05	11/9/09	-0.3	1/26/10	-0.68
			TCA (µg/m <sup>3</sup> )	5/7/09	483,000	7/21/09	407,000	11/9/09	417,000	1/26/10	335,000
			TCE (µg/m <sup>3</sup> )	5/7/09	160,000	7/21/09	127,000	11/9/09	120,000	1/26/10	86,300

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642 (cont.)	338	335.5–340.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/7/09	5,610,000	7/21/09	5,200,000	11/9/09	5,990,000	1/26/10	5,360,000
			Freon-11 (µg/m <sup>3</sup> )	5/7/09	19,400	7/21/09	14,300	11/9/09	19,100	1/26/10	15,100
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/7/09	61.2 <sup>b</sup>	7/21/09	14,000,000	11/9/09	17,200,000	1/26/10	6,610,000
			PCE (µg/m <sup>3</sup> )	5/7/09	67,200	7/21/09	70,000	11/9/09	69,600	1/26/10	69,100
			Pressure differential (kPa)	5/7/09	0.04	7/21/09	-0.03	11/9/09	-0.29	1/26/10	-0.45
			TCA (µg/m <sup>3</sup> )	5/7/09	78,400	7/21/09	77,700	11/9/09	62,600	1/26/10	38,000
			TCE (µg/m <sup>3</sup> )	5/7/09	34,000	7/21/09	28,200	11/9/09	29,000	1/26/10	21,000
54-27643	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	813,000	7/23/09	816,000	11/10/09	902,000	2/3/10	1,300,000
			Freon-11 (µg/m <sup>3</sup> )	5/15/09	44.7	7/23/09	171	11/10/09	-46	2/3/10	168
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	33.2 <sup>b</sup>	7/23/09	13,200,000	11/10/09	8,190,000	2/3/10	5,800,000
			PCE (µg/m <sup>3</sup> )	5/15/09	-1400	7/23/09	716	11/10/09	1930	2/3/10	3650
			Pressure differential (kPa)	5/15/09	0	7/23/09	0	11/10/09	0	2/3/10	NS
			TCA (µg/m <sup>3</sup> )	5/15/09	-1800	7/23/09	1850	11/10/09	-2800	2/3/10	-7400
			TCE (µg/m <sup>3</sup> )	5/15/09	-380	7/23/09	434	11/10/09	978	2/3/10	2710
	30	27.5–32.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	14,500,000	7/23/09	16,700,000	11/10/09	18,700,000	2/3/10	18,200,000
			Freon-11 (µg/m <sup>3</sup> )	5/15/09	32,200	7/23/09	28,700	11/10/09	38,200	2/3/10	40,800
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	59.7 <sup>b</sup>	7/23/09	13,300,000	11/10/09	16,600,000	2/3/10	7,630,000
			PCE (µg/m <sup>3</sup> )	5/15/09	175,000	7/23/09	200,000	11/10/09	200,000	2/3/10	262,000
			Pressure differential (kPa)	5/15/09	0	7/23/09	0	11/10/09	0.05	2/3/10	0.04
			TCA (µg/m <sup>3</sup> )	5/15/09	454,000	7/23/09	460,000	11/10/09	443,000	2/3/10	419,000
			TCE (µg/m <sup>3</sup> )	5/15/09	78,200	7/23/09	66,900	11/10/09	65,600	2/3/10	49,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643 (cont.)	74	71.5–76.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	15,900,000	7/23/09	16,700,000	11/10/09	18,100,000	2/3/10	19,700,000
			Freon-11 (µg/m <sup>3</sup> )	5/15/09	37,000	7/23/09	34,300	11/10/09	12,800	2/3/10	46,400
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	60.2 <sup>b</sup>	7/23/09	13,600,000	11/10/09	16,700,000	2/3/10	8,360,000
			PCE (µg/m <sup>3</sup> )	5/15/09	187,000	7/23/09	217,000	11/10/09	214,000	2/3/10	280,000
			Pressure differential (kPa)	5/15/09	-0.04	7/23/09	0	11/10/09	0.06	2/3/10	0.13
			TCA (µg/m <sup>3</sup> )	5/15/09	618,000	7/23/09	624,000	11/10/09	585,000	2/3/10	607,000
			TCE (µg/m <sup>3</sup> )	5/15/09	141,000	7/23/09	118,000	11/10/09	114,000	2/3/10	102,000
	117	114.5–119.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	14,700,000	7/23/09	15,700,000	11/10/09	16,400,000	2/3/10	18,200,000
			Freon-11 (µg/m <sup>3</sup> )	5/15/09	44,700	7/23/09	40,300	11/10/09	49,300	2/3/10	50,700
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	59.5 <sup>b</sup>	7/23/09	13,400,000	11/10/09	16,200,000	2/3/10	7,350,000
			PCE (µg/m <sup>3</sup> )	5/15/09	194,000	7/23/09	205,000	11/10/09	194,000	2/3/10	254,000
			Pressure differential (kPa)	5/15/09	-0.09	7/23/09	-0.06	11/10/09	-0.06	2/3/10	0.27
			TCA (µg/m <sup>3</sup> )	5/15/09	652,000	7/23/09	669,000	11/10/09	610,000	2/3/10	640,000
TCE (µg/m <sup>3</sup> )			5/15/09	153,000	7/23/09	135,000	11/10/09	126,000	2/3/10	119,000	
167	164.5–169.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	12,100,000	7/23/09	12,700,000	11/10/09	12,400,000	2/3/10	14,600,000	
		Freon-11 (µg/m <sup>3</sup> )	5/15/09	55,100	7/23/09	48,700	11/10/09	53,300	2/3/10	57,600	
		H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	60.9 <sup>b</sup>	7/23/09	13,600,000	11/10/09	15,300,000	2/3/10	6,880,000	
		PCE (µg/m <sup>3</sup> )	5/15/09	213,000	7/23/09	220,000	11/10/09	188,000	2/3/10	255,000	
		Pressure differential (kPa)	5/15/09	-0.12	7/23/09	-0.07	11/10/09	-0.26	2/3/10	0.18	
		TCA (µg/m <sup>3</sup> )	5/15/09	627,000	7/23/09	624,000	11/10/09	518,000	2/3/10	588,000	
		TCE (µg/m <sup>3</sup> )	5/15/09	159,000	7/23/09	131,000	11/10/09	115,000	2/3/10	115,000	

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643 (cont.)	235	232.5–237.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	10,500,000	7/23/09	11,300,000	11/10/09	11,800,000	2/3/10	13,400,000
			Freon-11 (µg/m <sup>3</sup> )	5/15/09	59,400	7/23/09	54,300	11/10/09	63,700	2/3/10	64,600
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	60 <sup>b</sup>	7/23/09	13,000,000	11/10/09	16,900,000	2/3/10	6,890,000
			PCE (µg/m <sup>3</sup> )	5/15/09	219,000	7/23/09	239,000	11/10/09	220,000	2/3/10	281,000
			Pressure differential (kPa)	5/15/09	-0.13	7/23/09	-0.09	11/10/09	-0.31	2/3/10	0.31
			TCA (µg/m <sup>3</sup> )	5/15/09	488,000	7/23/09	501,000	11/10/09	449,000	2/3/10	484,000
			TCE (µg/m <sup>3</sup> )	5/15/09	136,000	7/23/09	117,000	11/10/09	110,000	2/3/10	107,000
	275	272.5–277.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	8,170,000	7/23/09	8,410,000	11/10/09	8,110,000	2/3/10	10,200,000
			Freon-11 (µg/m <sup>3</sup> )	5/15/09	45,000	7/23/09	38,500	11/10/09	40,800	2/3/10	47,100
			H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	59.7 <sup>b</sup>	7/23/09	13,400,000	11/10/09	15,100,000	2/3/10	6,810,000
			PCE (µg/m <sup>3</sup> )	5/15/09	164,000	7/23/09	166,000	11/10/09	143,000	2/3/10	206,000
			Pressure differential (kPa)	5/15/09	-0.12	7/23/09	-0.09	11/10/09	-0.29	2/3/10	0.22
			TCA (µg/m <sup>3</sup> )	5/15/09	272,000	7/23/09	269,000	11/10/09	221,000	2/3/10	255,000
TCE (µg/m <sup>3</sup> )			5/15/09	86,500	7/23/09	70,200	11/10/09	62,500	2/3/10	64,400	
354	351.5–356.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	5/15/09	4,880,000	7/23/09	4,910,000	11/10/09	5,240,000	2/3/10	6,190,000	
		Freon-11 (µg/m <sup>3</sup> )	5/15/09	13,300	7/23/09	11,400	11/10/09	13,700	2/3/10	15,400	
		H <sub>2</sub> O (µg/m <sup>3</sup> )	5/15/09	58.6 <sup>b</sup>	7/23/09	13,200,000	11/10/09	15,700,000	2/3/10	6,810,000	
		PCE (µg/m <sup>3</sup> )	5/15/09	47,700	7/23/09	51,800	11/10/09	52,400	2/3/10	71,000	
		Pressure differential (kPa)	5/15/09	-0.1	7/23/09	-0.07	11/10/09	-0.08	2/3/10	0.29	
		TCA (µg/m <sup>3</sup> )	5/15/09	47,400	7/23/09	45,700	11/10/09	36,200	2/3/10	24,200	
		TCE (µg/m <sup>3</sup> )	5/15/09	18,000	7/23/09	16,000	11/10/09	16,000	2/3/10	15,300	



**Table 4.0-2 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-610786	Ambient	Ambient	CO <sub>2</sub> (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	919,000	2/5/10	1,120,000
			Freon-11 (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	65.8	2/5/10	1450
			H <sub>2</sub> O (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	5,000,000	2/5/10	9,690,000
			PCE (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	4240	2/5/10	2710
			Pressure differential (kPa)	NS	NS	NS	NS	12/22/09	NS	2/5/10	NS
			TCA (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	-506	2/5/10	-8300
			TCE (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	2910	2/5/10	-422
	25	22.5–27.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	19,490,000	2/5/10	15,700,000
			Freon-11 (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	75,700	2/5/10	37,900
			H <sub>2</sub> O (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	8,440,000	2/5/10	9,210,000
			PCE (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	423,000	2/5/10	266,000
			Pressure differential (kPa)	NS	NS	NS	NS	12/22/09	0.06	2/5/10	0
			TCA (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	518,000	2/5/10	272,000
			TCE (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	41,700	2/5/10	17,000
	50	47.5–52.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	22,100,000	2/5/10	23,500,000
			Freon-11 (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	65,300	2/5/10	65,300
			H <sub>2</sub> O (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	9,750,000	2/5/10	10,000,000
			PCE (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	346,000	2/5/10	445,000
			Pressure differential (kPa)	NS	NS	NS	NS	12/22/09	0.15	2/5/10	-0.02
			TCA (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	674,000	2/5/10	748,000
			TCE (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	95,100	2/5/10	86,100

**Table 4.0-2 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-610786 (cont.)	75	72.5–77.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	21,000,000	2/5/10	23,200,000
			Freon-11 (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	57,900	2/5/10	58,100
			H <sub>2</sub> O (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	9,690,000	2/5/10	11,100,000
			PCE (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	306,000	2/5/10	384,000
			Pressure differential (kPa)	NS	NS	NS	NS	12/22/09	0.19	2/5/10	-0.05
			TCA (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	700,000	2/5/10	793,000
			TCE (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	124,000	2/5/10	123,000
	100	97.5–102.5	CO <sub>2</sub> (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	19,600,000	2/5/10	20,800,000
			Freon-11 (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	52,400	2/5/10	49,200
			H <sub>2</sub> O (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	8,740,000	2/5/10	9,540,000
			PCE (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	256,000	2/5/10	291,000
			Pressure differential (kPa)	NS	NS	NS	NS	12/22/09	0.34	2/5/10	-0.13
			TCA (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	660,000	2/5/10	702,000
			TCE (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	132,000	2/5/10	121,000

**Table 4.0-2 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling-Port Depth or Interval (ft bgs)	Analyte (Unit)	3rd Quarter FY2009		4th Quarter FY2009		1st Quarter FY2010		2nd Quarter FY2010	
				Date	Result	Date	Result	Date	Result	Date	Result
54-610786 (cont.)	118.5	116–121	CO <sub>2</sub> (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	19,700,000	2/5/10	20,200,000
			Freon-11 (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	60,300	2/5/10	55,600
			H <sub>2</sub> O (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	8,820,000	2/5/10	9,310,000
			PCE (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	263,000	2/5/10	294,000
			Pressure differential (kPa)	NS	NS	NS	NS	12/22/09	0.40	2/5/10	-0.18
			TCA (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	753,000	2/5/10	787,000
			TCE (µg/m <sup>3</sup> )	NS	NS	NS	NS	12/22/09	155,000	2/5/10	139,000

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

<sup>a</sup> NS = Not sampled.

<sup>b</sup> Units measured in dew point (Tdew).

<sup>c</sup> Ports are drawing air in after being purged. B&K readings appear ambient on all ports.

<sup>d</sup> Partially blocked port. Results may not be representative of sample depth.

<sup>e</sup> Blocked port. Results may not be representative of sample depth.

<sup>f</sup> 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, Second Quarter FY2010 and Three Previous Quarters**

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02001	40	37.5-42.5	Carbon Tetrachloride	5/5/09	ND <sup>a</sup>	ND	8/18/09	ND	ND	10/27/09	340	2200	1/29/10	180	1100
			Chloroform	5/5/09	1000	4900	8/18/09	ND	ND	10/27/09	720	3500	1/29/10	440	2200
			Dichlorodifluoromethane	5/5/09	1000	5100	8/18/09	ND	ND	10/27/09	560	2800	1/29/10	340	1700
			Dichloroethane[1,1,-]	5/5/09	9700	39,000	8/18/09	8300	34,000	10/27/09	5700	23,000	1/29/10	3200	13,000
			Dichloroethane[1,2,-]	5/5/09	18,000	73,000	8/18/09	18,000	71,000	10/27/09	13,000	53,000	1/29/10	8200	33,000
			Dichloroethene[1,1,-]	5/5/09	3100	12,000	8/18/09	6900	27,000	10/27/09	3300	13,000	1/29/10	1800	7300
			Dichloropropane[1,2,-]	5/5/09	540	2500	8/18/09	ND	ND	10/27/09	380	1800	1/29/10	220	1000
			Hexane	5/5/09	ND	ND	8/18/09	ND	ND	10/27/09	250	880	1/29/10	ND	ND
			Methylene Chloride	5/5/09	6300	22,000	8/18/09	4800	17,000	10/27/09	3500	12,000	1/29/10	1400	4700
			Tetrachloroethene	5/5/09	23,000	160,000	8/18/09	23,000	160,000	10/27/09	19,000	130,000	1/29/10	11,000	72,000
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/5/09	5700	43,000	8/18/09	6300	48,000	10/27/09	4300	33,000	1/29/10	2700	21,000
			Trichloroethane[1,1,1,-]	5/5/09	240,000	1,300,000	8/18/09	220,000	1,200,000	10/27/09	150,000	840,000	1/29/10	88,000	480,000
			Trichloroethene	5/5/09	74,000	400,000	8/18/09	71,000	380,000	10/27/09	50,000	270,000	1/29/10	43,000	230,000
			Trichlorofluoromethane	5/5/09	1300	7300	8/18/09	ND	ND	10/27/09	800	4500	1/29/10	450	2500
54-02001	80	77.5-82.5	Carbon Tetrachloride	5/5/09	ND	ND	8/18/09	ND	ND	10/27/09	300	1900	1/29/10	120	740
			Chloroform	5/5/09	1000	4900	8/18/09	ND	ND	10/27/09	850	4200	1/29/10	270	1300
			Dichlorodifluoromethane	5/5/09	1100	5600	8/18/09	ND	ND	10/27/09	660	3300	1/29/10	200	1000
			Dichloroethane[1,1,-]	5/5/09	7600	31,000	8/18/09	2300	9200	10/27/09	5700	23,000	1/29/10	1700	6900
			Dichloroethane[1,2,-]	5/5/09	15,000	61,000	8/18/09	4300	18,000	10/27/09	12,000	50,000	1/29/10	4200	17,000
			Dichloroethene[1,1,-]	5/5/09	3900	16,000	8/18/09	2200	8700	10/27/09	4400	18,000	1/29/10	1300	5000
			Dichloropropane[1,2,-]	5/5/09	680	3200	8/18/09	ND	ND	10/27/09	530	2400	1/29/10	160	740
			Hexane	5/5/09	ND	ND	8/18/09	ND	ND	10/27/09	200	700	1/29/10	ND	ND
			Methylene Chloride	5/5/09	9500	33,000	8/18/09	ND	ND	10/27/09	5700	20,000	1/29/10	1400	4900
			Tetrachloroethene	5/5/09	21,000	140,000	8/18/09	5600	38,000	10/27/09	19,000	130,000	1/29/10	5800	39,000
			Tetrahydrofuran	5/5/09	ND	ND	8/18/09	ND	ND	10/27/09	180	540	1/29/10	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02001 (cont.)	80	77.5–82.5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/5/09	3800	30,000	8/18/09	1700	13,000	10/27/09	3700	29,000	1/29/10	1200	9200
			Trichloroethane[1,1,1-]	5/5/09	190,000	1,000,000	8/18/09	60,000	330,000	10/27/09	160,000	870,000	1/29/10	48,000	260,000
			Trichloroethene	5/5/09	47,000	250,000	8/18/09	24,000	130,000	10/27/09	38,000	210,000	1/29/10	14,000	73,000
			Trichlorofluoromethane	5/5/09	1100	6300	8/18/09	ND	ND	10/27/09	840	4700	1/29/10	250	1400
	120	117.5–122.5	Carbon Tetrachloride	5/5/09	ND	ND	8/18/09	ND	ND	10/27/09	200	1200	1/29/10	93	580
			Chloroform	5/5/09	1100	5200	8/18/09	920	4500	10/27/09	680	3300	1/29/10	260	1200
			Dichlorodifluoromethane	5/5/09	1100	5400	8/18/09	900	4400	10/27/09	600	3000	1/29/10	220	1100
			Dichloroethane[1,1-]	5/5/09	6700	27,000	8/18/09	5800	24,000	10/27/09	4200	17,000	1/29/10	1500	6100
			Dichloroethane[1,2-]	5/5/09	11,000	44,000	8/18/09	10,000	42,000	10/27/09	7300	30,000	1/29/10	2600	11,000
			Dichloroethene[1,1-]	5/5/09	5900	23,000	8/18/09	9000	36,000	10/27/09	4500	18,000	1/29/10	1600	6100
			Dichloropropane[1,2-]	5/5/09	900	4100	8/18/09	ND	ND	10/27/09	520	2400	1/29/10	200	920
			Methylene Chloride	5/5/09	10,000	36,000	8/18/09	8700	30,000	10/27/09	5800	20,000	1/29/10	1700	5900
			Tetrachloroethene	5/5/09	10,000	70,000	8/18/09	9200	63,000	10/27/09	9100	62,000	1/29/10	2900	20,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/5/09	3200	24,000	8/18/09	3100	24,000	10/27/09	2400	18,000	1/29/10	860	6600
			Trichloroethane[1,1,1-]	5/5/09	180,000	1,000,000	8/18/09	170,000	940,000	10/27/09	120,000	670,000	1/29/10	44,000	240,000
			Trichloroethene	5/5/09	39,000	210,000	8/18/09	34,000	180,000	10/27/09	26,000	140,000	1/29/10	9900	53,000
	Trichlorofluoromethane	5/5/09	950	5300	8/18/09	850 (J)	4800 (J)	10/27/09	610	3400	1/29/10	220	1200		
	140	137.5–142.5	Carbon Tetrachloride	5/5/09	ND	ND	8/18/09	ND	ND	10/27/09	190	1200	1/29/10	27	170
			Chloroform	5/5/09	1100	5400	8/18/09	ND	ND	10/27/09	660	3200	1/29/10	84	410
			Dichlorodifluoromethane	5/5/09	1200	5700	8/18/09	ND	ND	10/27/09	590	2900	1/29/10	74	360
			Dichloroethane[1,1-]	5/5/09	7300	29,000	8/18/09	6300	25,000	10/27/09	4000	16,000	1/29/10	510	2100
			Dichloroethane[1,2-]	5/5/09	12,000	49,000	8/18/09	11,000	44,000	10/27/09	7100	29,000	1/29/10	940	3800
			Dichloroethene[1,1-]	5/5/09	5700	23,000	8/18/09	6500	26,000	10/27/09	4500	18,000	1/29/10	460	1800
			Dichloropropane[1,2-]	5/5/09	900	4200	8/18/09	ND	ND	10/27/09	510	2400	1/29/10	64	290
			Methylene Chloride	5/5/09	12,000	40,000	8/18/09	9600	33,000	10/27/09	5700	20,000	1/29/10	610	2100
	Tetrachloroethene	5/5/09	12,000	82,000	8/18/09	9600	65,000	10/27/09	8000	54,000	1/29/10	1000	7000		

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02001 (cont.)	140	137.5–142.5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/5/09	3300	25,000	8/18/09	3400	26,000	10/27/09	2300	18,000	1/29/10	300	2300
			Trichloroethane[1,1,1-]	5/5/09	190,000	1,000,000	8/18/09	170,000	940,000	10/27/09	120,000	640,000	1/29/10	15,000	81,000
			Trichloroethene	5/5/09	40,000	220,000	8/18/09	33,000	180,000	10/27/09	24,000	130,000	1/29/10	3300	18,000
			Trichlorofluoromethane	5/5/09	1000	5700	8/18/09	ND	ND	10/27/09	600	3400	1/29/10	77	430
54-02002	40	37.5–42.5	Benzene	5/19/09	860	2800	7/27/09	790	2500	11/9/09	630	2000	2/3/10	820	2600
			Carbon Tetrachloride	5/19/09	1000	6400	7/27/09	1000	6400	11/9/09	700	4400	2/3/10	860	5400
			Chlorobenzene	5/19/09	350	1600	7/27/09	ND	ND	11/9/09	280	1300	2/3/10	370	1700
			Chloroform	5/19/09	5700	28,000	7/27/09	5500	27,000	11/9/09	4200	20,000	2/3/10	5400	26,000
			Dichlorodifluoromethane	5/19/09	480	2300	7/27/09	480	2300	11/9/09	310	1500	2/3/10	410	2000
			Dichloroethane[1,1,-]	5/19/09	3900	16,000	7/27/09	3500	14,000	11/9/09	2700	11,000	2/3/10	3400	14,000
			Dichloroethane[1,2,-]	5/19/09	4900	20,000	7/27/09	4800	20,000	11/9/09	3600	15,000	2/3/10	4800	19,000
			Dichloroethene[1,1,-]	5/19/09	12,000	47,000	7/27/09	11,000	43,000	11/9/09	9300	37,000	2/3/10	11,000	44,000
			Dichloropropane[1,2,-]	5/19/09	9800	45,000	7/27/09	9100	42,000	11/9/09	7200	33,000	2/3/10	9700	45,000
			Ethanol	5/19/09	2900 (J)	5500 (J)	7/27/09	ND	ND	11/9/09	ND	ND	2/3/10	2600	4800
			Hexane	5/19/09	320	1100	7/27/09	ND	ND	11/9/09	260	920	2/3/10	280	980
			Methylene Chloride	5/19/09	21,000	74,000	7/27/09	19,000	66,000	11/9/09	14,000	47,000	2/3/10	15,000	52,000
			Tetrachloroethene	5/19/09	5000	34,000	7/27/09	5300	36,000	11/9/09	4200	29,000	2/3/10	5400	37,000
			Tetrahydrofuran	5/19/09	370	1100	7/27/09	ND	ND	11/9/09	270	790	2/3/10	340	1000
			Toluene	5/19/09	1400	5500	7/27/09	1700	6400	11/9/09	1200	4400	2/3/10	1800	6800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/09	31,000	240,000	7/27/09	32,000	250,000	11/9/09	24,000	190,000	2/3/10	30,000	230,000
			Trichloroethane[1,1,1-]	5/19/09	180,000	960,000	7/27/09	180,000	980,000	11/9/09	140,000	780,000	2/3/10	170,000	940,000
			Trichloroethene	5/19/09	47,000	250,000	7/27/09	47,000	250,000	11/9/09	36,000	190,000	2/3/10	48,000	260,000
			Trichlorofluoromethane	5/19/09	4400	25,000	7/27/09	4000	23,000	11/9/09	3000	17,000	2/3/10	3500	20,000
			Xylene[1,2,-]	5/19/09	670	2900	7/27/09	710	3100	11/9/09	550	2400	2/3/10	610	2600
Xylene[1,3-]+Xylene[1,4,-]	5/19/09	270	1200	7/27/09	ND	ND	11/9/09	250	1100	2/3/10	370	1600			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02002 (cont.)	100	97.5–102.5	Benzene	5/19/09	590	1900	7/27/09	630	2000	11/9/09	490	1600	2/3/10	510	1600
			Carbon Tetrachloride	5/19/09	980	6200	7/27/09	1100	7200	11/9/09	710	4500	2/3/10	750	4700
			Chlorobenzene	5/19/09	ND	ND	7/27/09	470	2200	11/9/09	320	1500	2/3/10	320	1500
			Chloroform	5/19/09	5500	27,000	7/27/09	6500	32,000	11/9/09	4800	23,000	2/3/10	4900	24,000
			Dichlorodifluoromethane	5/19/09	ND	ND	7/27/09	480	2400	11/9/09	320	1600	2/3/10	330	1600
			Dichloroethane[1,1-]	5/19/09	5100	20,000	7/27/09	5800	23,000	11/9/09	4300	17,000	2/3/10	4200	17,000
			Dichloroethane[1,2-]	5/19/09	4500	18,000	7/27/09	5500	22,000	11/9/09	4000	16,000	2/3/10	4100	16,000
			Dichloroethene[1,1-]	5/19/09	9000	36,000	7/27/09	10,000	41,000	11/9/09	8700	34,000	2/3/10	8800	35,000
			Dichloropropane[1,2-]	5/19/09	13,000	60,000	7/27/09	15,000	70,000	11/9/09	12,000	54,000	2/3/10	12,000	56,000
			Ethanol	5/19/09	3200 (J)	6100 (J)	7/27/09	ND	ND	11/9/09	ND	ND	2/3/10	2600	5000
			Methylene Chloride	5/19/09	14,000	50,000	7/27/09	16,000	55,000	11/9/09	11,000	37,000	2/3/10	9900	34,000
			Tetrachloroethene	5/19/09	5400	36,000	7/27/09	7300	50,000	11/9/09	5700	38,000	2/3/10	5300	36,000
			Tetrahydrofuran	5/19/09	8200	24,000	7/27/09	9200	27,000	11/9/09	7300	21,000	2/3/10	7700	23,000
			Toluene	5/19/09	1700	6300	7/27/09	2100	7800	11/9/09	1400	5100	2/3/10	1500	5800
	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/09	46,000	360,000	7/27/09	60,000	460,000	11/9/09	45,000	340,000	2/3/10	46,000	350,000		
	Trichloroethane[1,1,1-]	5/19/09	210,000	1,200,000	7/27/09	260,000	1,400,000	11/9/09	200,000	1,100,000	2/3/10	190,000	1,000,000		
	Trichloroethene	5/19/09	47,000	250,000	7/27/09	58,000	310,000	11/9/09	43,000	230,000	2/3/10	44,000	240,000		
	Trichlorofluoromethane	5/19/09	3000	17,000	7/27/09	3500	20,000	11/9/09	2400	13,000	2/3/10	2400	14,000		
	Xylene[1,2-]	5/19/09	590	2500	7/27/09	900	3900	11/9/09	570	2500	2/3/10	500	2200		
	Xylene[1,3-]+Xylene[1,4-]	5/19/09	510	2200	7/27/09	740	3200	11/9/09	430	1800	2/3/10	470	2100		
	120	117.5–122.5	Benzene	NS <sup>b</sup>	NS	NS	7/27/09	710	2300	11/9/09	540	1700	2/3/10	700	2200
Carbon Tetrachloride			NS	NS	NS	7/27/09	1000	6400	11/9/09	690	4300	2/3/10	880	5500	
Chlorobenzene			NS	NS	NS	7/27/09	440	2000	11/9/09	310	1400	2/3/10	350	1600	
Chloroform			NS	NS	NS	7/27/09	6000	29,000	11/9/09	4300	21,000	2/3/10	5600	28,000	
Dichlorodifluoromethane			NS	NS	NS	7/27/09	470	2300	11/9/09	300	1500	2/3/10	380	1900	
Dichloroethane[1,1-]			NS	NS	NS	7/27/09	4700	19,000	11/9/09	3400	14,000	2/3/10	4200	17,000	

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10			
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	
54-02002 (cont.)	120	117.5–122.5	Dichloroethane[1,2-]	NS	NS	NS	7/27/09	5600	22,000	11/9/09	3900	16,000	2/3/10	5000	20,000	
			Dichloroethene[1,1-]	NS	NS	NS	7/27/09	10,000	41,000	11/9/09	8600	34,000	2/3/10	10,000	40,000	
			Dichloropropane[1,2-]	NS	NS	NS	7/27/09	12,000	57,000	11/9/09	9200	42,000	2/3/10	12,000	56,000	
			Ethanol	NS	NS	NS	7/27/09	ND	ND	11/9/09	ND	ND	2/3/10	3100	5800	
			Hexane	NS	NS	NS	7/27/09	ND	ND	11/9/09	ND	ND	2/3/10	210	740	
			Methylene Chloride	NS	NS	NS	7/27/09	18,000	64,000	11/9/09	12,000	43,000	2/3/10	14,000	47,000	
			Tetrachloroethene	NS	NS	NS	7/27/09	6300	43,000	11/9/09	4600	31,000	2/3/10	5500	38,000	
			Tetrahydrofuran	NS	NS	NS	7/27/09	2800	8300	11/9/09	2200	6600	2/3/10	3000	8800	
			Toluene	NS	NS	NS	7/27/09	1500	5700	11/9/09	1000	4000	2/3/10	1300	5000	
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	7/27/09	43,000	330,000	11/9/09	30,000	230,000	2/3/10	39,000	300,000	
			Trichloroethane[1,1,1-]	NS	NS	NS	7/27/09	220,000	1,200,000	11/9/09	160,000	880,000	2/3/10	200,000	1,100,000	
			Trichloroethene	NS	NS	NS	7/27/09	53,000	280,000	11/9/09	37,000	200,000	2/3/10	49,000	260,000	
			Trichlorofluoromethane	NS	NS	NS	7/27/09	3700	21,000	11/9/09	2500	14,000	2/3/10	3100	17,000	
			Xylene[1,2-]	NS	NS	NS	7/27/09	880	3800	11/9/09	590	2500	2/3/10	560	2400	
			Xylene[1,3-]+Xylene[1,4-]	NS	NS	NS	7/27/09	500	2200	11/9/09	320	1400	2/3/10	310	1400	
	140	137.5–142.5	Carbon Tetrachloride	5/19/09	380	2400	NS	NS	NS	NS	NS	NS	NS	NS	NS	
			Chloroform	5/19/09	3100	15,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichlorodifluoromethane	5/19/09	250	1200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	5/19/09	4000	16,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	5/19/09	740	3000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	5/19/09	3800	15,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	5/19/09	6800	32,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	5/19/09	3200	22,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/09	43,000	330,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	5/19/09	140,000	780,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethene	5/19/09	26,000	140,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichlorofluoromethane	5/19/09	1000	5800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			



Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02002 (cont.)	180	177.5–182.5	Benzene	5/19/09	710	2300	7/27/09	750	2400	11/9/09	570	1800	2/3/10	730	2300
			Carbon Tetrachloride	5/19/09	970	6100	7/27/09	1100	6800	11/9/09	710	4500	2/3/10	930	5900
			Chlorobenzene	5/19/09	ND	ND	7/27/09	460	2100	11/9/09	340	1600	2/3/10	380	1700
			Chloroform	5/19/09	5500	27,000	7/27/09	6300	31,000	11/9/09	4400	22,000	2/3/10	5800	28,000
			Dichlorodifluoromethane	5/19/09	ND	ND	7/27/09	510	2500	11/9/09	310	1500	2/3/10	380	1900
			Dichloroethane[1,1-]	5/19/09	4400	18,000	7/27/09	4800	19,000	11/9/09	3500	14,000	2/3/10	4400	18,000
			Dichloroethane[1,2-]	5/19/09	4900	20,000	7/27/09	5900	24,000	11/9/09	4000	16,000	2/3/10	5300	22,000
			Dichloroethene[1,1-]	5/19/09	10,000	41,000	7/27/09	11,000	44,000	11/9/09	9200	36,000	2/3/10	11,000	42,000
			Dichloropropane[1,2-]	5/19/09	11,000	52,000	7/27/09	13,000	59,000	11/9/09	9500	44,000	2/3/10	13,000	60,000
			Ethanol	5/19/09	3400 (J)	6400 (J)	7/27/09	ND	ND	11/9/09	ND	ND	2/3/10	3400	6300
			Hexane	5/19/09	ND	ND	7/27/09	ND	ND	11/9/09	ND	ND	2/3/10	210	760
			Methylene Chloride	5/19/09	19,000	66,000	7/27/09	20,000	68,000	11/9/09	13,000	44,000	2/3/10	14,000	50,000
			Tetrachloroethene	5/19/09	5100	34,000	7/27/09	6600	45,000	11/9/09	5100	34,000	2/3/10	5800	39,000
			Tetrahydrofuran	5/19/09	2500	7300	7/27/09	2400	7100	11/9/09	2000	5800	2/3/10	2500	7500
			Toluene	5/19/09	1200	4500	7/27/09	1400	5300	11/9/09	1000	3900	2/3/10	1300	4800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/09	36,000	270,000	7/27/09	44,000	330,000	11/9/09	31,000	240,000	2/3/10	41,000	310,000
			Trichloroethane[1,1,1-]	5/19/09	190,000	1,000,000	7/27/09	230,000	1,200,000	11/9/09	170,000	920,000	2/3/10	210,000	1,100,000
			Trichloroethene	5/19/09	46,000	250,000	7/27/09	55,000	290,000	11/9/09	39,000	210,000	2/3/10	52,000	280,000
			Trichlorofluoromethane	5/19/09	3600	20,000	7/27/09	3900	22,000	11/9/09	2600	15,000	2/3/10	3300	18,000
			Xylene[1,2-]	5/19/09	600	2600	7/27/09	840	3600	11/9/09	610	2600	2/3/10	550	2400
Xylene[1,3-]+Xylene[1,4-]	5/19/09	ND	ND	7/27/09	380	1600	11/9/09	260	1100	2/3/10	240	1000			
54-02016	31	28.5–33.5	Carbon Tetrachloride	5/13/09	880	5500	7/21/09	690	4300	11/3/09	570	3600	1/26/10	940	5900
			Chloroform	5/13/09	3600	17,000	7/21/09	3100	15,000	11/3/09	2900	14,000	1/26/10	4700	23,000
			Dichlorodifluoromethane	5/13/09	660	3200	7/21/09	470	2300	11/3/09	330	1600	1/26/10	620	3000
			Dichloroethane[1,1-]	5/13/09	7200	29,000	7/21/09	6100	25,000	11/3/09	5400	22,000	1/26/10	8500	34,000
			Dichloroethane[1,2-]	5/13/09	62,000	250,000	7/21/09	50,000	200,000	11/3/09	46,000	190,000	1/26/10	83,000	340,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02016 (cont.)	31	28.5–33.5	Dichloroethene[1,1,-]	5/13/09	10,000	39,000	7/21/09	8300	33,000	11/3/09	11,000	43,000	1/26/10	16,000	64,000
			Dichloropropane[1,2,-]	5/13/09	9800	45,000	7/21/09	8100	37,000	11/3/09	7200	33,000	1/26/10	12,000	54,000
			Tetrachloroethene	5/13/09	4700	32,000	7/21/09	2600 (J)	18,000 (J)	11/3/09	4700	32,000	1/26/10	8100	55,000
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/13/09	110,000	830,000	7/21/09	98,000	750,000	11/3/09	100,000	780,000	1/26/10	180,000	1,400,000
			Trichloroethane[1,1,1,-]	5/13/09	270,000	1,500,000	7/21/09	230,000	1,300,000	11/3/09	230,000	1,300,000	1/26/10	330,000	1,800,000
			Trichloroethene	5/13/09	56,000	300,000	7/21/09	49,000	260,000	11/3/09	50,000	270,000	1/26/10	82,000	440,000
			Trichlorofluoromethane	5/13/09	1700	9600	7/21/09	1300	7400	11/3/09	1200	6900	1/26/10	1900	11,000
	82	79.5–84.5	Carbon Tetrachloride	5/13/09	480	3000	7/21/09	410	2600	11/3/09	360	2300	1/26/10	380	2400
			Chloroform	5/13/09	1100	5300	7/21/09	990	4800	11/3/09	1100	5500	1/26/10	1000	4900
			Dichlorodifluoromethane	5/13/09	390	1900	7/21/09	310	1500	11/3/09	240	1200	1/26/10	280	1400
			Dichloroethane[1,1,-]	5/13/09	2700	11,000	7/21/09	2700	11,000	11/3/09	2700	11,000	1/26/10	2400	9900
			Dichloroethane[1,2,-]	5/13/09	3000	12,000	7/21/09	2600	10,000	11/3/09	3900	16,000	1/26/10	4200	17,000
			Dichloroethene[1,1,-]	5/13/09	5800	23,000	7/21/09	5500	22,000	11/3/09	7300	29,000	1/26/10	7000	28,000
			Dichloropropane[1,2,-]	5/13/09	2100	9700	7/21/09	1800	8100	11/3/09	2000	9100	1/26/10	1700	8000
			Tetrachloroethene	5/13/09	2400	16,000	7/21/09	1900 (J)	13,000 (J)	11/3/09	2800	19,000	1/26/10	3000	20,000
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/13/09	68,000	520,000	7/21/09	64,000	490,000	11/3/09	75,000	580,000	1/26/10	96,000	730,000
			Trichloroethane[1,1,1,-]	5/13/09	150,000	800,000	7/21/09	140,000	780,000	11/3/09	150,000	800,000	1/26/10	130,000	730,000
			Trichloroethene	5/13/09	25,000	130,000	7/21/09	26,000	140,000	11/3/09	27,000	140,000	1/26/10	26,000	140,000
			Trichlorofluoromethane	5/13/09	1000	5900	7/21/09	880	5000	11/3/09	860	4800	1/26/10	910	5100
54-02021	20	10–30	Carbon Tetrachloride	5/5/09	ND	ND	7/22/09	38	240	10/28/09	35	220	1/27/10	ND	ND
			Chloroform	5/5/09	86	420	7/22/09	85	410	10/28/09	85	410	1/27/10	58	280
			Dichlorodifluoromethane	5/5/09	110	520	7/22/09	89	440	10/28/09	87	430	1/27/10	67	330
			Dichloroethane[1,1,-]	5/5/09	570	2300	7/22/09	560	2300	10/28/09	530	2100	1/27/10	360	1500
			Dichloroethane[1,2,-]	5/5/09	340	1400	7/22/09	290	1200	10/28/09	300	1200	1/27/10	220	910
			Dichloroethene[1,1,-]	5/5/09	770	3000	7/22/09	680	2700	10/28/09	740	3000	1/27/10	550	2200
			Dichloropropane[1,2,-]	5/5/09	63	290	7/22/09	63	290	10/28/09	56	260	1/27/10	41	190

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02021 (cont.)	20	10-30	Tetrachloroethene	5/5/09	550	3700	7/22/09	350 (J)	2400 (J)	10/28/09	610	4100	1/27/10	420	2800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/5/09	310	2400	7/22/09	310	2400	10/28/09	310	2400	1/27/10	230	1800
			Trichloroethane[1,1,1-]	5/5/09	18,000	96,000	7/22/09	16,000	90,000	10/28/09	17,000	93,000	1/27/10	11,000	62,000
			Trichloroethene	5/5/09	3600	19,000	7/22/09	3700	20,000	10/28/09	3600	19,000	1/27/10	2400	13,000
			Trichlorofluoromethane	5/5/09	89	500	7/22/09	77	440	10/28/09	85	480	1/27/10	63	350
	100	90-110	Carbon Tetrachloride	5/5/09	ND	ND	7/22/09	ND	ND	10/28/09	71	450	1/27/10	92	580
			Chloroform	5/5/09	250	1200	7/22/09	200	970	10/28/09	160	780	1/27/10	220	1100
			Dichlorodifluoromethane	5/5/09	280	1400	7/22/09	210	1000	10/28/09	160	790	1/27/10	240	1200
			Dichloroethane[1,1-]	5/5/09	1600	6600	7/22/09	1300	5200	10/28/09	990	4000	1/27/10	1400	5600
			Dichloroethane[1,2-]	5/5/09	1900	7500	7/22/09	1400	5500	10/28/09	1200	4600	1/27/10	1700	6700
			Dichloroethene[1,1-]	5/5/09	2100	8200	7/22/09	1600	6500	10/28/09	1500	6000	1/27/10	2300	9000
			Dichloropropane[1,2-]	5/5/09	220	1000	7/22/09	170	800	10/28/09	130	610	1/27/10	200	900
			Methylene Chloride	5/5/09	900	3100	7/22/09	660	2300	10/28/09	500	1700	1/27/10	640	2200
			Tetrachloroethene	5/5/09	1300	8800	7/22/09	680 (J)	4600 (J)	10/28/09	960	6600	1/27/10	1400	9400
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/5/09	950	7300	7/22/09	870	6600	10/28/09	650	5000	1/27/10	900	6900
			Trichloroethane[1,1,1-]	5/5/09	53,000	290,000	7/22/09	41,000	220,000	10/28/09	35,000	190,000	1/27/10	47,000	260,000
			Trichloroethene	5/5/09	11,000	58,000	7/22/09	8800	47,000	10/28/09	6900	37,000	1/27/10	9900	53,000
	Trichlorofluoromethane	5/5/09	250	1400	7/22/09	190	1100	10/28/09	160	920	1/27/10	230	1300		
	120	110-130	Carbon Tetrachloride	NS	NS	NS	NS	NS	NS	10/28/09	47	300	NS	NS	NS
			Chloroform	NS	NS	NS	NS	NS	NS	10/28/09	120	570	NS	NS	NS
Dichlorodifluoromethane			NS	NS	NS	NS	NS	NS	10/28/09	120	580	NS	NS	NS	
Dichloroethane[1,1-]			NS	NS	NS	NS	NS	NS	10/28/09	690	2800	NS	NS	NS	
Dichloroethane[1,2-]			NS	NS	NS	NS	NS	NS	10/28/09	740	3000	NS	NS	NS	
Dichloroethene[1,1-]			NS	NS	NS	NS	NS	NS	10/28/09	1100	4400	NS	NS	NS	
Dichloropropane[1,2-]			NS	NS	NS	NS	NS	NS	10/28/09	87	400	NS	NS	NS	
Methylene Chloride	NS	NS	NS	NS	NS	NS	10/28/09	450	1600	NS	NS	NS			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02021 (cont.)	120	110-130	Tetrachloroethene	NS	NS	NS	NS	NS	NS	10/28/09	650	4400	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	NS	NS	NS	10/28/09	490	3700	NS	NS	NS
			Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	10/28/09	25,000	140,000	NS	NS	NS
			Trichloroethene	NS	NS	NS	NS	NS	NS	10/28/09	5000	27,000	NS	NS	NS
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	10/28/09	120	670	NS	NS	NS
	140	130-150	Carbon Tetrachloride	5/5/09	ND	ND	7/22/09	140°	870°	10/28/09	87	550	1/27/10	120	780
			Chloroform	5/5/09	210	1000	7/22/09	260	1200	10/28/09	180	900	1/27/10	270	1300
			Dichlorodifluoromethane	5/5/09	250	1200	7/22/09	300	1500	10/28/09	190	950	1/27/10	300	1500
			Dichloroethane[1,1-]	5/5/09	1300	5200	7/22/09	1400	5800	10/28/09	1000	4200	1/27/10	1600	6300
			Dichloroethane[1,2-]	5/5/09	1200	4700	7/22/09	1400	5600	10/28/09	1000	4100	1/27/10	1600	6400
			Dichloroethene[1,1-]	5/5/09	1900	7600	7/22/09	2200	8800	10/28/09	2000	7900	1/27/10	3000	12,000
			Dichloropropane[1,2-]	5/5/09	140	670	7/22/09	170	770	10/28/09	130	580	1/27/10	190	880
			Methylene Chloride	5/5/09	1000	3500	7/22/09	1100	3800	10/28/09	790	2700	1/27/10	1000	3600
			Tetrachloroethene	5/5/09	980	6700	7/22/09	840 (J)	5700 (J)	10/28/09	990	6700	1/27/10	1500	10,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/5/09	940	7200	7/22/09	1100	8800	10/28/09	820	6300	1/27/10	1200	9600
			Trichloroethane[1,1,1-]	5/5/09	45,000	240,000	7/22/09	58,000	310,000	10/28/09	40,000	220,000	1/27/10	58,000	310,000
			Trichloroethene	5/5/09	9300	50,000	7/22/09	11,000	58,000	10/28/09	8000	43,000	1/27/10	12,000	67,000
			Trichlorofluoromethane	5/5/09	240	1400	7/22/09	280	1600	10/28/09	200	1100	1/27/10	300	1700
	160	150-170	Carbon Tetrachloride	5/5/09	ND	ND	7/22/09	88	560	NS	NS	NS	1/27/10	72	450
			Chloroform	5/5/09	190	920	7/22/09	190	920	NS	NS	NS	1/27/10	150	750
Dichlorodifluoromethane			5/5/09	250	1200	7/22/09	250	1200	NS	NS	NS	1/27/10	190	930	
Dichloroethane[1,1-]			5/5/09	1100	4400	7/22/09	1000	4000	NS	NS	NS	1/27/10	840	3400	
Dichloroethane[1,2-]			5/5/09	760	3100	7/22/09	740	3000	NS	NS	NS	1/27/10	690	2800	
Dichloroethene[1,1-]			5/5/09	2000	8000	7/22/09	1900	7400	NS	NS	NS	1/27/10	1800	7200	
Dichloropropane[1,2-]			5/5/09	100	480	7/22/09	95	440	NS	NS	NS	1/27/10	89	410	
Methylene Chloride			5/5/09	1100	4000	7/22/09	1000	3500	NS	NS	NS	1/27/10	700	2400	

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02021 (cont.)	160	150-170	Tetrachloroethene	5/5/09	860	5800	7/22/09	560 (J)	3800 (J)	NS	NS	NS	1/27/10	810	5500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/5/09	950	7300	7/22/09	960	7400	NS	NS	NS	1/27/10	780	6000
			Trichloroethane[1,1,1-]	5/5/09	41,000	220,000	7/22/09	42,000	230,000	NS	NS	NS	1/27/10	34,000	180,000
			Trichloroethene	5/5/09	8800	47,000	7/22/09	8000	43,000	NS	NS	NS	1/27/10	7200	39,000
			Trichlorofluoromethane	5/5/09	250	1400	7/22/09	240	1400	NS	NS	NS	1/27/10	190	1000
54-02022	40	37.5-42.5	Chloroform	5/4/09	280	1400	7/24/09	270	1300	10/28/09	200	990	1/28/10	280	1400
			Dichlorodifluoromethane	5/4/09	310	1500	7/24/09	300	1500	10/28/09	190	950	1/28/10	260	1300
			Dichloroethane[1,1-]	5/4/09	2100	8700	7/24/09	2000	8100	10/28/09	1400	5800	1/28/10	2000	8100
			Dichloroethane[1,2-]	5/4/09	2300	9200	7/24/09	2100	8400	10/28/09	1500	6100	1/28/10	2200	9000
			Dichloroethene[1,1-]	5/4/09	1700	6700	7/24/09	1600	6400	10/28/09	1600	6600	1/28/10	2000	7800
			Dichloropropane[1,2-]	5/4/09	240	1100	7/24/09	220	1000	10/28/09	180	810	1/28/10	240	1100
			Methylene Chloride	5/4/09	170	590	7/24/09	110	380	10/28/09	100	360	1/28/10	98	340
			Tetrachloroethene	5/4/09	2600	18,000	7/24/09	1700 (J-)	11,000 (J-)	10/28/09	2300	15,000	1/28/10	3200	22,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/4/09	820	6200	7/24/09	860	6600	10/28/09	650	5000	1/28/10	920	7000
			Trichloroethane[1,1,1-]	5/4/09	64,000	350,000	7/24/09	65,000	350,000	10/28/09	48,000	260,000	1/28/10	65,000	360,000
			Trichloroethene	5/4/09	13,000	69,000	7/24/09	12,000	64,000	10/28/09	9400	51,000	1/28/10	14,000	75,000
			Trichlorofluoromethane	5/4/09	260	1400	7/24/09	250	1400	10/28/09	180	1000	1/28/10	250	1400
	80	77.5-82.5	Chloroform	5/4/09	360	1800	7/24/09	390	1900	10/28/09	260	1200	1/28/10	310	1500
			Dichlorodifluoromethane	5/4/09	400	2000	7/24/09	430	2100	10/28/09	250	1200	1/28/10	300	1500
			Dichloroethane[1,1-]	5/4/09	2700	11,000	7/24/09	2600	11,000	10/28/09	1800	7200	1/28/10	2100	8400
			Dichloroethane[1,2-]	5/4/09	3200	13,000	7/24/09	3300	13,000	10/28/09	2200	9100	1/28/10	2700	11,000
			Dichloroethene[1,1-]	5/4/09	2400	9400	7/24/09	2400	9400	10/28/09	2100	8200	1/28/10	2200	8800
			Dichloropropane[1,2-]	5/4/09	360	1600	7/24/09	330	1500	10/28/09	220	1000	1/28/10	260	1200
			Methylene Chloride	5/4/09	1100	3700	7/24/09	920	3200	10/28/09	570	2000	1/28/10	580	2000
Tetrachloroethene	5/4/09	2800	19,000	7/24/09	1900 (J-)	13,000 (J-)	10/28/09	2400	16,000	1/28/10	2700	18,000			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02022 (cont.)	80	77.5–82.5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/4/09	1000	7800	7/24/09	1100	8800	10/28/09	780	6000	1/28/10	890	6800
			Trichloroethane[1,1,1-]	5/4/09	85,000	470,000	7/24/09	94,000	510,000	10/28/09	62,000	340,000	1/28/10	71,000	380,000
			Trichloroethene	5/4/09	16,000	84,000	7/24/09	16,000	87,000	10/28/09	12,000	62,000	1/28/10	14,000	73,000
			Trichlorofluoromethane	5/4/09	340	1900	7/24/09	340	1900	10/28/09	220	1300	1/28/10	270	1500
	120	117.5–122.5	Chloroform	5/4/09	400	2000	7/24/09	430	2100	10/28/09	310	1500	1/28/10	380	1800
			Dichlorodifluoromethane	5/4/09	420	2100	7/24/09	490	2400	10/28/09	300	1500	1/28/10	380	1900
			Dichloroethane[1,1-]	5/4/09	2600	10,000	7/24/09	2700	11,000	10/28/09	1900	7800	1/28/10	2300	9400
			Dichloroethane[1,2-]	5/4/09	2800	11,000	7/24/09	3000	12,000	10/28/09	2100	8600	1/28/10	2600	11,000
			Dichloroethene[1,1-]	5/4/09	3100	12,000	7/24/09	3300	13,000	10/28/09	2900	12,000	1/28/10	3200	13,000
			Dichloropropane[1,2-]	5/4/09	340	1600	7/24/09	340	1600	10/28/09	260	1200	1/28/10	310	1400
			Methylene Chloride	5/4/09	1300	4400	7/24/09	1200	4300	10/28/09	840	2900	1/28/10	860	3000
			Tetrachloroethene	5/4/09	2100	14,000	7/24/09	1600 (J-)	10,000 (J-)	10/28/09	2000	14,000	1/28/10	2100	14,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/4/09	1100	8300	7/24/09	1300	9700	10/28/09	890	6800	1/28/10	1100	8200
			Trichloroethane[1,1,1-]	5/4/09	90,000	490,000	7/24/09	110,000	580,000	10/28/09	74,000	400,000	1/28/10	85,000	470,000
			Trichloroethene	5/4/09	17,000	91,000	7/24/09	18,000	98,000	10/28/09	13,000	72,000	1/28/10	16,000	85,000
			Trichlorofluoromethane	5/4/09	350	2000	7/24/09	400	2300	10/28/09	270	1500	1/28/10	330	1900
	140	137.5–142.5	Chloroform	5/4/09	360	1800	7/24/09	380	1800	10/28/09	250	1200	1/28/10	310	1500
			Dichlorodifluoromethane	5/4/09	450	2200	7/24/09	490	2400	10/28/09	280	1400	1/28/10	350	1700
			Dichloroethane[1,1-]	5/4/09	2200	9100	7/24/09	2200	9000	10/28/09	1500	6100	1/28/10	1800	7300
			Dichloroethane[1,2-]	5/4/09	1700	6900	7/24/09	1700	6900	10/28/09	1200	4700	1/28/10	1600	6400
			Dichloroethene[1,1-]	5/4/09	3800	15,000	7/24/09	3700	15,000	10/28/09	3000	12,000	1/28/10	3500	14,000
			Dichloropropane[1,2-]	5/4/09	250	1200	7/24/09	240	1100	10/28/09	160	750	1/28/10	220	1000
			Methylene Chloride	5/4/09	2100	7300	7/24/09	2000	6800	10/28/09	1300	4400	1/28/10	1400	4800
			Tetrachloroethene	5/4/09	1600	11,000	7/24/09	1000 (J-)	7000 (J-)	10/28/09	1300	8900	1/28/10	1500	10,000
	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/4/09	1200	9000	7/24/09	1300	9900	10/28/09	840	6400	1/28/10	970	7500		

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10					
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )			
54-02022 (cont.)	140	137.5–142.5	Trichloroethane[1,1,1-]	5/4/09	86,000	470,000	7/24/09	96,000	520,000	10/28/09	62,000	340,000	1/28/10	74,000	400,000			
			Trichloroethene	5/4/09	17,000	91,000	7/24/09	17,000	90,000	10/28/09	12,000	63,000	1/28/10	14,000	77,000			
			Trichlorofluoromethane	5/4/09	360	2000	7/24/09	400	2200	10/28/09	260	1400	1/28/10	300	1700			
54-02023	40	30–50	Carbon Tetrachloride	5/19/09	38	240	7/30/09	ND	ND	11/12/09	30	190	2/9/10	35	220			
			Chloroform	5/19/09	310	1500	7/30/09	240	1200	11/12/09	250	1200	2/9/10	320	1600			
			Dichlorodifluoromethane	5/19/09	52	260	7/30/09	36	180	11/12/09	37	180	2/9/10	51	250			
			Dichloroethane[1,1-]	5/19/09	140	550	7/30/09	100	420	11/12/09	100	410	2/9/10	130	520			
			Dichloroethane[1,2-]	5/19/09	23	93	7/30/09	ND	ND	11/12/09	16	64	2/9/10	21	84			
			Dichloroethene[1,1-]	5/19/09	750	3000	7/30/09	580	2300	11/12/09	560	2200	2/9/10	740	2900			
			Dichloropropane[1,2-]	5/19/09	110	490	7/30/09	70	320	11/12/09	80	370	2/9/10	100	490			
			Methylene Chloride	5/19/09	37	130	7/30/09	ND	ND	11/12/09	14	49	2/9/10	14	49			
			Tetrachloroethene	5/19/09	210	1400	7/30/09	170	1200	11/12/09	200	1400	2/9/10	240	1600			
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/09	1700	13,000	7/30/09	1400	11,000	11/12/09	1300	10,000	2/9/10	1700	13,000			
			Trichloroethane[1,1,1-]	5/19/09	8400	46,000	7/30/09	7100	39,000	11/12/09	7200	39,000	2/9/10	8800	48,000			
			Trichloroethene	5/19/09	2400	13,000	7/30/09	1900	10,000	11/12/09	1900	10,000	2/9/10	2600	14,000			
			Trichlorofluoromethane	5/19/09	330	1800	7/30/09	250	1400	11/12/09	250	1400	2/9/10	320	1800			
			54-02023	100	90–110	Benzene	5/19/09	39	120	7/30/09	ND	ND	11/12/09	31	99	2/9/10	33	100
						Carbon Tetrachloride	5/19/09	82	510	7/31/09	45	280	11/12/09	61	380	2/9/10	63	400
Chloroform	5/19/09	540				2600	7/31/09	400	1900	11/12/09	430	2100	2/9/10	440	2100			
Dichlorodifluoromethane	5/19/09	98				480	7/31/09	54	270	11/12/09	72	360	2/9/10	74	370			
Dichloroethane[1,1-]	5/19/09	230				920	7/31/09	160	670	11/12/09	180	720	2/9/10	180	710			
Dichloroethane[1,2-]	5/19/09	60				240	7/31/09	46	190	11/12/09	49	200	2/9/10	48	200			
Dichloroethene[1,1-]	5/19/09	1400				5400	7/31/09	1000	4100	11/12/09	1100	4400	2/9/10	1100	4500			
Dichloropropane[1,2-]	5/19/09	160				740	7/31/09	110	520	11/12/09	130	600	2/9/10	130	620			
Methylene Chloride	5/19/09	210				720	7/31/09	120	430	11/12/09	140	490	2/9/10	130	470			
Tetrachloroethene	5/19/09	350				2400	7/31/09	270	1900	11/12/09	340	2300	2/9/10	300	2100			
Toluene	5/19/09	31				120	7/31/09	ND	ND	11/12/09	25	93	2/9/10	25	94			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02023 (cont.)	100	90-110	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/09	3000	23,000	7/31/09	2500	19,000	11/12/09	2400	19,000	2/9/10	2400	18,000
			Trichloroethane[1,1,1-]	5/19/09	14,000	76,000	7/31/09	11,000	62,000	11/12/09	12,000	67,000	2/9/10	12,000	64,000
			Trichloroethene	5/19/09	4200	23,000	7/31/09	3300	18,000	11/12/09	3600	19,000	2/9/10	3700	20,000
			Trichlorofluoromethane	5/19/09	560	3200	7/31/09	410	2300	11/12/09	460	2600	2/9/10	450	2500
	120	110-130	Acetone	5/19/09	ND	ND	7/31/09	13	30 <sup>d</sup>	NS	NS	NS	NS	NS	NS
			Benzene	5/19/09	49	160	7/31/09	ND	ND <sup>d</sup>	NS	NS	NS	NS	NS	NS
			Carbon Tetrachloride	5/19/09	100	660	7/31/09	ND	ND <sup>d</sup>	NS	NS	NS	NS	NS	NS
			Chloroform	5/19/09	550	2700	7/31/09	1.2	5.8 <sup>d</sup>	NS	NS	NS	NS	NS	NS
			Dichlorodifluoromethane	5/19/09	110	530	7/31/09	ND	ND <sup>d</sup>	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	5/19/09	230	920	7/31/09	ND	ND <sup>d</sup>	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	5/19/09	50	200	7/31/09	ND	ND <sup>d</sup>	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	5/19/09	1600	6300	7/31/09	2.7	11 <sup>d</sup>	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	5/19/09	140	660	7/31/09	ND	ND <sup>d</sup>	NS	NS	NS	NS	NS	NS
			Methylene Chloride	5/19/09	130	440	7/31/09	ND	ND <sup>d</sup>	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	5/19/09	350	2400	7/31/09	2	14 <sup>d</sup>	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/09	3300	25,000	7/31/09	6.8	52 <sup>d</sup>	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	5/19/09	14,000	79,000	7/31/09	33	180 <sup>d</sup>	NS	NS	NS	NS	NS	NS
			Trichloroethene	5/19/09	4500	24,000	7/31/09	14	74 <sup>d</sup>	NS	NS	NS	NS	NS	NS
	Trichlorofluoromethane	5/19/09	620	3500	7/31/09	1.3	7.5 <sup>d</sup>	NS	NS	NS	NS	NS	NS		
	140	130-149	Benzene	NS	NS	NS	NS	NS	NS	11/12/09	45	140	2/9/10	56	180
			Carbon Tetrachloride	NS	NS	NS	NS	NS	NS	11/12/09	85	540	2/9/10	100	630
			Chloroform	NS	NS	NS	NS	NS	NS	11/12/09	400	2000	2/9/10	490	2400
			Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	11/12/09	86	430	2/9/10	110	530
			Dichloroethane[1,1-]	NS	NS	NS	NS	NS	NS	11/12/09	160	640	2/9/10	190	770
			Dichloroethane[1,2-]	NS	NS	NS	NS	NS	NS	11/12/09	25	100	2/9/10	33	130
			Dichloroethene[1,1-]	NS	NS	NS	NS	NS	NS	11/12/09	1300	5100	2/9/10	1600	6200



Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02023 (cont.)	140	130-149	Dichloropropane[1,2-]	NS	NS	NS	NS	NS	NS	11/12/09	90	410	2/9/10	110	510
			Methylene Chloride	NS	NS	NS	NS	NS	NS	11/12/09	61	210	2/9/10	64	220
			Tetrachloroethene	NS	NS	NS	NS	NS	NS	11/12/09	310	2100	2/9/10	340	2300
			Toluene	NS	NS	NS	NS	NS	NS	11/12/09	30	110	2/9/10	35	130
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	NS	NS	NS	11/12/09	2700	21,000	2/9/10	3200	24,000
			Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	11/12/09	12,000	66,000	2/9/10	14,000	74,000
			Trichloroethene	NS	NS	NS	NS	NS	NS	11/12/09	3600	20,000	2/9/10	4500	24,000
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	11/12/09	490	2700	2/9/10	570	3200
	159	149-169	Benzene	5/19/09	71	230	7/31/09	50	160	11/12/09	60	190	2/9/10	66	210
			Carbon Tetrachloride	5/19/09	140	910	7/31/09	85	540	11/12/09	110	700	2/9/10	120	760
			Chloroform	5/19/09	560	2700	7/31/09	410	2000	11/12/09	480	2300	2/9/10	510	2500
			Dichlorodifluoromethane	5/19/09	150	730	7/31/09	80	390	11/12/09	110	550	2/9/10	130	630
			Dichloroethane[1,1-]	5/19/09	220	900	7/31/09	160	640	11/12/09	180	740	2/9/10	190	780
			Dichloroethane[1,2-]	5/19/09	34	140	7/31/09	ND	ND	11/12/09	29	120	2/9/10	32	130
			Dichloroethene[1,1-]	5/19/09	2000	8000	7/31/09	1400	5800	11/12/09	1600	6500	2/9/10	1800	7000
			Dichloropropane[1,2-]	5/19/09	110	500	7/31/09	72	330	11/12/09	96	440	2/9/10	100	470
			Methylene Chloride	5/19/09	220	780	7/31/09	140	470	11/12/09	160	570	2/9/10	150	510
			Tetrachloroethene	5/19/09	360	2400	7/31/09	280	1900	11/12/09	370	2500	2/9/10	380	2500
			Toluene	5/19/09	33	120	7/31/09	ND	ND	11/12/09	30	110	2/9/10	26	99
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/09	4000	31,000	7/31/09	3300	25,000	11/12/09	3400	26,000	2/9/10	3600	28,000
Trichloroethane[1,1,1-]	5/19/09	16,000	86,000	7/31/09	13,000	69,000	11/12/09	14,000	79,000	2/9/10	14,000	79,000			
Trichloroethene	5/19/09	5000	27,000	7/31/09	3800	20,000	11/12/09	4500	24,000	2/9/10	4800	26,000			
Trichlorofluoromethane	5/19/09	740	4100	7/31/09	530	3000	11/12/09	620	3500	2/9/10	640	3600			
54-02024	40	30-50	Benzene	5/21/09	13	42	7/29/09	20	63	11/13/09	ND	ND	2/10/10	8.5	27
			Carbon Tetrachloride	5/21/09	51	320	7/29/09	71	440	11/13/09	38	240	2/10/10	29	180
			Chloroform	5/21/09	360	1800	7/29/09	520	2600	11/13/09	320	1600	2/10/10	220	1100
			Cyclohexane	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	ND	ND	2/10/10	130	450

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02024 (cont.)	40	30-50	Dichlorodifluoromethane	5/21/09	35	180	7/29/09	54	270	11/13/09	30	150	2/10/10	22	110
			Dichloroethane[1,1-]	5/21/09	160	650	7/29/09	240	960	11/13/09	150	610	2/10/10	98	390
			Dichloroethane[1,2-]	5/21/09	49	200	7/29/09	69	280	11/13/09	49	200	2/10/10	30	120
			Dichloroethene[1,1-]	5/21/09	560	2200	7/29/09	790	3100	11/13/09	550	2200	2/10/10	360	1400
			Dichloropropane[1,2-]	5/21/09	260	1200	7/29/09	370	1700	11/13/09	260	1200	2/10/10	170	790
			Ethylbenzene	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	30	130	2/10/10	ND	ND
			Ethyltoluene[4-]	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	80	390	2/10/10	ND	ND
			Methylene Chloride	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	20	70	2/10/10	ND	ND
			Styrene	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	82	350	2/10/10	ND	ND
			Tetrachloroethene	5/21/09	290	2000	7/29/09	400	2700	11/13/09	300	2000	2/10/10	180	1200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/21/09	1700	13,000	7/29/09	2200	17,000	11/13/09	1400	11,000	2/10/10	960	7300
			Trichloroethane[1,1,1-]	5/21/09	8700	48,000	7/29/09	13,000	73,000	11/13/09	8600	47,000	2/10/10	5500	30,000
			Trichloroethene	5/21/09	2400	13,000	7/29/09	3400	18,000	11/13/09	2200	12,000	2/10/10	1500	8000
			Trichlorofluoromethane	5/21/09	300	1700	7/29/09	440	2400	11/13/09	260	1400	2/10/10	180	980
	Trimethylbenzene[1,3,5-]	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	20	96	2/10/10	ND	ND		
	100	90-110	Benzene	5/21/09	60	190	7/29/09	72	230	11/13/09	50	160	2/10/10	66	210
			Carbon Tetrachloride	5/21/09	120	760	7/29/09	140	910	11/13/09	86	540	2/10/10	110	720
			Chloroform	5/21/09	760	3700	7/29/09	940	4600	11/13/09	620	3000	2/10/10	800	3900
			Cyclohexane	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	ND	ND	2/10/10	460	1600
Dichlorodifluoromethane			5/21/09	86	420	7/29/09	100	510	11/13/09	67	330	2/10/10	85	420	
Dichloroethane[1,1-]			5/21/09	310	1200	7/29/09	380	1500	11/13/09	260	1100	2/10/10	310	1300	
Dichloroethane[1,2-]			5/21/09	170	700	7/29/09	220	880	11/13/09	140	580	2/10/10	180	720	
Dichloroethene[1,1-]			5/21/09	1400	5600	7/29/09	1600	6500	11/13/09	1200	4900	2/10/10	1400	5800	
Dichloropropane[1,2-]			5/21/09	460	2200	7/29/09	600	2800	11/13/09	420	1900	2/10/10	540	2500	
Methylene Chloride			5/21/09	410	1400	7/29/09	480	1600	11/13/09	290	1000	2/10/10	340	1200	
Tetrachloroethene			5/21/09	580	4000	7/29/09	700	4700	11/13/09	520	3500	2/10/10	650	4400	
Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/21/09	3900	30,000	7/29/09	4500	34,000	11/13/09	2800	22,000	2/10/10	3600	28,000			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02024 (cont.)	100	90-110	Trichloroethane[1,1,1-]	5/21/09	19,000	100,000	7/29/09	24,000	130,000	11/13/09	16,000	87,000	2/10/10	19,000	100,000
			Trichloroethene	5/21/09	5000	27,000	7/29/09	6300	34,000	11/13/09	4200	22,000	2/10/10	5500	30,000
			Trichlorofluoromethane	5/21/09	700	3900	7/29/09	870	4900	11/13/09	570	3200	2/10/10	690	3900
	140	130-150	Benzene	5/21/09	100	320	7/29/09	ND	ND	11/13/09	90	280	2/10/10	100	340
			Carbon Tetrachloride	5/21/09	150	950	7/29/09	140	850	11/13/09	110	680	2/10/10	140	860
			Chloroform	5/21/09	890	4300	7/29/09	930	4500	11/13/09	700	3400	2/10/10	860	4200
			Cyclohexane	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	ND	ND	2/10/10	480	1600
			Dichlorodifluoromethane	5/21/09	120	570	7/29/09	ND	ND	11/13/09	89	440	2/10/10	110	540
			Dichloroethane[1,1-]	5/21/09	310	1300	7/29/09	300	1200	11/13/09	270	1100	2/10/10	300	1200
			Dichloroethane[1,2-]	5/21/09	200	810	7/29/09	240	980	11/13/09	170	690	2/10/10	200	810
			Dichloroethene[1,1-]	5/21/09	2000	7800	7/29/09	1900	7500	11/13/09	1600	6300	2/10/10	1800	7300
			Dichloropropane[1,2-]	5/21/09	420	1900	7/29/09	410	1900	11/13/09	390	1800	2/10/10	460	2100
			Ethylbenzene	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	87	380	2/10/10	ND	ND
			Ethyltoluene[4-]	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	240	1200	2/10/10	ND	ND
			Hexane	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	27	94	2/10/10	ND	ND
			Methylene Chloride	5/21/09	1100	3800	7/29/09	1100	3900	11/13/09	820	2900	2/10/10	860	3000
			Styrene	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	240	1000	2/10/10	ND	ND
			Tetrachloroethene	5/21/09	610	4100	7/29/09	590	4000	11/13/09	560	3800	2/10/10	660	4400
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/21/09	4800	37,000	7/29/09	4800	37,000	11/13/09	3500	27,000	2/10/10	4100	32,000
			Trichloroethane[1,1,1-]	5/21/09	20,000	110,000	7/29/09	22,000	120,000	11/13/09	17,000	93,000	2/10/10	20,000	110,000
			Trichloroethene	5/21/09	5700	31,000	7/29/09	6000	32,000	11/13/09	4700	25,000	2/10/10	6100	33,000
Trichlorofluoromethane	5/21/09	850	4800	7/29/09	1000	5700	11/13/09	690	3900	2/10/10	800	4500			
Trimethylbenzene[1,2,4-]	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	43	210	2/10/10	ND	ND			
Trimethylbenzene[1,3,5-]	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	60	300	2/10/10	ND	ND			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02024 (cont.)	160	150-170	Benzene	5/21/09	130	430	7/29/09	120	400	11/13/09	140	460	2/10/10	140	450
			Carbon Tetrachloride	5/21/09	180	1100	7/29/09	150	920	11/13/09	170	1100	2/10/10	160	1000
			Chloroform	5/21/09	980	4800	7/29/09	1000	4900	11/13/09	1000	4900	2/10/10	1000	4900
			Cyclohexane	5/21/09	ND	ND	7/29/09	ND	ND	11/13/09	ND	ND	2/10/10	540	1800
			Dichlorodifluoromethane	5/21/09	140	690	7/29/09	140	710	11/13/09	130	650	2/10/10	130	660
			Dichloroethane[1,1-]	5/21/09	330	1300	7/29/09	310	1300	11/13/09	340	1400	2/10/10	340	1400
			Dichloroethane[1,2-]	5/21/09	220	910	7/29/09	250	1000	11/13/09	230	950	2/10/10	220	910
			Dichloroethene[1,1-]	5/21/09	2300	9100	7/29/09	2300	9300	11/13/09	2400	9700	2/10/10	2300	9100
			Dichloropropane[1,2-]	5/21/09	ND	ND	7/29/09	420	1900	11/13/09	470	2200	2/10/10	480	2200
			Methylene Chloride	5/21/09	1600	5600	7/29/09	1600	5400	11/13/09	1600	5400	2/10/10	1400	4700
			Tetrachloroethene	5/21/09	670	4500	7/29/09	610	4200	11/13/09	710	4800	2/10/10	700	4700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/21/09	5400	42,000	7/29/09	5400	41,000	11/13/09	4900	38,000	2/10/10	5000	38,000
			Trichloroethane[1,1,1-]	5/21/09	21,000	120,000	7/29/09	24,000	130,000	11/13/09	23,000	130,000	2/10/10	22,000	120,000
			Trichloroethene	5/21/09	6400	34,000	7/29/09	6500	35,000	11/13/09	6800	36,000	2/10/10	6900	37,000
Trichlorofluoromethane	5/21/09	1000	5600	7/29/09	1100	6400	11/13/09	1000	5600	2/10/10	960	5400			
54-02025	20	20	Carbon Tetrachloride	5/18/09	200	1200	7/27/09	240	1500	11/10/09	130	810	2/2/10	160	1000
			Chloroform	5/18/09	1200	5800	7/27/09	1500	7200	11/10/09	900	4400	2/2/10	1100	5300
			Dichlorodifluoromethane	5/18/09	80	400	7/27/09	93	460	11/10/09	50	250	2/2/10	69	340
			Dichloroethane[1,1-]	5/18/09	730	2900	7/27/09	840	3400	11/10/09	520	2100	2/2/10	610	2500
			Dichloroethane[1,2-]	5/18/09	250	1000	7/27/09	340	1400	11/10/09	210	870	2/2/10	260	1000
			Dichloroethene[1,1-]	5/18/09	1300	5200	7/27/09	1500	6000	11/10/09	1200	4700	2/2/10	1300	5200
			Dichloropropane[1,2-]	5/18/09	2000	9200	7/27/09	2400	11,000	11/10/09	1600	7400	2/2/10	2000	9200
			Methylene Chloride	5/18/09	ND	ND	7/27/09	71	250	11/10/09	ND	ND	2/2/10	ND	ND
			Tetrachloroethene	5/18/09	1400	9800	7/27/09	1800	12,000	11/10/09	1100	7700	2/2/10	1400	9500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/18/09	6700	51,000	7/27/09	8400	65,000	11/10/09	4900	38,000	2/2/10	7000	53,000
			Trichloroethane[1,1,1-]	5/18/09	36,000	200,000	7/27/09	45,000	240,000	11/10/09	27,000	150,000	2/2/10	32,000	180,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02025 (cont.)	20	20	Trichloroethene	5/18/09	7400	40,000	7/27/09	9000	48,000	11/10/09	5400	29,000	2/2/10	7000	38,000
			Trichlorofluoromethane	5/18/09	750	4200	7/27/09	870	4900	11/10/09	500	2800	2/2/10	630	3500
	100	100	Benzene	5/18/09	280	900	7/27/09	280	900	11/10/09	200	640	2/2/10	240	760
			Carbon Tetrachloride	5/18/09	410	2600	7/27/09	470	3000	11/10/09	270	1700	2/2/10	360	2200
			Chlorobenzene	5/18/09	110	530	7/27/09	130	600	11/10/09	86	400	2/2/10	100	460
			Chloroform	5/18/09	2600	13,000	7/27/09	2900	14,000	11/10/09	2000	9700	2/2/10	2100	10,000
			Dichlorodifluoromethane	5/18/09	200	990	7/27/09	220	1100	11/10/09	140	680	2/2/10	ND	ND
			Dichloroethane[1,1-]	5/18/09	1200	5000	7/27/09	1300	5400	11/10/09	920	3700	2/2/10	920	3700
			Dichloroethane[1,2-]	5/18/09	1500	6200	7/27/09	1700	7000	11/10/09	1200	4700	2/2/10	1300	5200
			Dichloroethene[1,1-]	5/18/09	3800	15,000	7/27/09	4000	16,000	11/10/09	3200	13,000	2/2/10	2600	10,000
			Dichloropropane[1,2-]	5/18/09	3800	17,000	7/27/09	4000	19,000	11/10/09	2800	13,000	2/2/10	3600	17,000
			Methylene Chloride	5/18/09	3000	10,000	7/27/09	2900	10,000	11/10/09	1800	6400	2/2/10	1900	6600
			Tetrachloroethene	5/18/09	2300	16,000	7/27/09	2800	19,000	11/10/09	2000	13,000	2/2/10	2200	15,000
			Tetrahydrofuran	5/18/09	460	1300	7/27/09	480	1400	11/10/09	320	950	2/2/10	360	1100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/18/09	10,000	78,000	7/27/09	12,000	90,000	11/10/09	8100	62,000	2/2/10	7000	53,000
			Trichloroethane[1,1,1-]	5/18/09	63,000	340,000	7/27/09	74,000	410,000	11/10/09	52,000	280,000	2/2/10	58,000	320,000
			Trichloroethene	5/18/09	16,000	86,000	7/27/09	18,000	98,000	11/10/09	12,000	65,000	2/2/10	14,000	78,000
			Trichlorofluoromethane	5/18/09	2000	11,000	7/27/09	2200	12,000	11/10/09	1500	8400	2/2/10	1400	8100
			Xylene[1,2-]	5/18/09	200	880	7/27/09	220	970	11/10/09	140	630	2/2/10	170	730
			160	160	Benzene	5/18/09	430	1400	7/27/09	440	1400	11/10/09	300	960	2/2/10
Carbon Tetrachloride	5/18/09	500			3100	7/27/09	530	3300	11/10/09	320	2000	2/2/10	390	2500	
Chlorobenzene	5/18/09	100			480	7/27/09	120	550	11/10/09	84	380	2/2/10	99	460	
Chloroform	5/18/09	2900			14,000	7/27/09	3200	15,000	11/10/09	2100	10,000	2/2/10	2600	13,000	
Dichlorodifluoromethane	5/18/09	270			1300	7/27/09	290	1400	11/10/09	180	900	2/2/10	220	1100	
Dichloroethane[1,1-]	5/18/09	1200			4800	7/27/09	1200	4900	11/10/09	860	3500	2/2/10	990	4000	
Dichloroethane[1,2-]	5/18/09	1400			5600	7/27/09	1600	6300	11/10/09	1000	4200	2/2/10	1200	5100	
Dichloroethene[1,1-]	5/18/09	5600			22,000	7/27/09	5800	23,000	11/10/09	4200	17,000	2/2/10	4700	19,000	

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02025 (cont.)	160	160	Dichloropropane[1,2-]	5/18/09	3100	14,000	7/27/09	3200	15,000	11/10/09	2400	11,000	2/2/10	3000	14,000
			Hexane	5/18/09	130	440	7/27/09	130	460	11/10/09	84	300	2/2/10	88	310
			Methylene Chloride	5/18/09	7300	26,000	7/27/09	7300	25,000	11/10/09	4400	15,000	2/2/10	4600	16,000
			Tetrachloroethene	5/18/09	2200	15,000	7/27/09	2500	17,000	11/10/09	1800	12,000	2/2/10	2200	15,000
			Toluene	5/18/09	650	2500	7/27/09	720	2700	11/10/09	420	1600	2/2/10	540	2000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/18/09	13,000	97,000	7/27/09	14,000	110,000	11/10/09	9200	71,000	2/2/10	11,000	84,000
			Trichloroethane[1,1,1-]	5/18/09	63,000	350,000	7/27/09	72,000	390,000	11/10/09	51,000	280,000	2/2/10	58,000	320,000
			Trichloroethene	5/18/09	18,000	95,000	7/27/09	20,000	100,000	11/10/09	13,000	71,000	2/2/10	17,000	91,000
			Trichlorofluoromethane	5/18/09	2400	14,000	7/27/09	2600	15,000	11/10/09	1700	9800	2/2/10	2000	11,000
			Xylene[1,2-]	5/18/09	210	930	7/27/09	260	1100	11/10/09	160	700	2/2/10	170	750
Xylene[1,3-]+Xylene[1,4-]	5/18/09	ND	ND	7/27/09	110	490	11/10/09	ND	ND	2/2/10	69	300			
54-02026	20	20	Carbon Tetrachloride	5/21/09	ND	ND	7/29/09	6.4	40	11/12/09	ND	ND	2/5/10	5.5	35
			Chloroform	5/21/09	44	210	7/29/09	50	250	11/12/09	40	190	2/5/10	46	220
			Dichlorodifluoromethane	5/21/09	ND	ND	7/29/09	9.8	48	11/12/09	ND	ND	2/5/10	8.6	42
			Dichloroethane[1,1-]	5/21/09	10	41	7/29/09	11	43	11/12/09	9.3	38	2/5/10	11	44
			Dichloroethene[1,1-]	5/21/09	66	260	7/29/09	74	290	11/12/09	65	260	2/5/10	68	270
			Dichloropropane[1,2-]	5/21/09	ND	ND	7/29/09	7.7	36	11/12/09	ND	ND	2/5/10	9.1	42
			Tetrachloroethene	5/21/09	31	210	7/29/09	34	230	11/12/09	31	210	2/5/10	32	220
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/21/09	250	1900	7/29/09	260	2000	11/12/09	210	1600	2/5/10	220	1700
			Trichloroethane[1,1,1-]	5/21/09	990	5400	7/29/09	1300	7000	11/12/09	900	4900	2/5/10	1000	5800
			Trichloroethene	5/21/09	260	1400	7/29/09	290	1600	11/12/09	240	1300	2/5/10	290	1500
	Trichlorofluoromethane	5/21/09	40	220	7/29/09	53	300	11/12/09	36	200	2/5/10	50	280		
	100	100	Carbon Tetrachloride	5/21/09	19	120	7/29/09	19	120	11/12/09	16	99	2/5/10	22	140
			Chloroform	5/21/09	94	460	7/29/09	110	560	11/12/09	90	440	2/5/10	130	640
			Dichlorodifluoromethane	5/21/09	22	110	7/29/09	28	140	11/12/09	20	97	2/5/10	26	130
Dichloroethane[1,1-]			5/21/09	22	91	7/29/09	25	100	11/12/09	22	89	2/5/10	30	120	

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02026 (cont.)	100	100	Dichloroethene[1,1,-]	5/21/09	200	800	7/29/09	240	940	11/12/09	200	790	2/5/10	220	870
			Dichloropropane[1,2,-]	5/21/09	14	66	7/29/09	15	70	11/12/09	14	63	2/5/10	23	110
			Methylene Chloride	5/21/09	9.3	32	7/29/09	12	40	11/12/09	9.5	33	2/5/10	12	42
			Tetrachloroethene	5/21/09	67	450	7/29/09	73	500	11/12/09	68	460	2/5/10	87	590
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/21/09	620	4800	7/29/09	700	5400	11/12/09	550	4200	2/5/10	680	5200
			Trichloroethane[1,1,1,-]	5/21/09	2100	11,000	7/29/09	2900	16,000	11/12/09	2000	11,000	2/5/10	3200	17,000
			Trichloroethene	5/21/09	600	3200	7/29/09	700	3800	11/12/09	570	3000	2/5/10	860	4600
			Trichlorofluoromethane	5/21/09	95	530	7/29/09	140	800	11/12/09	95	540	2/5/10	150	860
	160	160	Carbon Tetrachloride	5/21/09	28	180	7/29/09	25	160	11/12/09	25	160	2/5/10	36	230
			Chloroform	5/21/09	100	510	7/29/09	100	510	11/12/09	100	490	2/5/10	150	720
			Dichlorodifluoromethane	5/21/09	35	170	7/29/09	36	180	11/12/09	32	160	2/5/10	45	220
			Dichloroethane[1,1,-]	5/21/09	24	99	7/29/09	23	95	11/12/09	23	95	2/5/10	35	140
			Dichloroethene[1,1,-]	5/21/09	320	1300	7/29/09	330	1300	11/12/09	310	1200	2/5/10	360	1400
			Dichloropropane[1,2,-]	5/21/09	ND	ND	7/29/09	ND	ND	11/12/09	ND	ND	2/5/10	15	71
			Methylene Chloride	5/21/09	56	190	7/29/09	52	180	11/12/09	51	180	2/5/10	76	260
			Tetrachloroethene	5/21/09	84	570	7/29/09	78	520	11/12/09	87	590	2/5/10	110	760
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/21/09	870	6700	7/29/09	850	6500	11/12/09	780	6000	2/5/10	1000	7700
			Trichloroethane[1,1,1,-]	5/21/09	2500	14,000	7/29/09	2800	15,000	11/12/09	2500	14,000	2/5/10	4000	22,000
			Trichloroethene	5/21/09	740	4000	7/29/09	720	3900	11/12/09	720	3900	2/5/10	1200	6200
			Trichlorofluoromethane	5/21/09	130	740	7/29/09	160	910	11/12/09	130	750	2/5/10	220	1200
54-02027	20	20	Carbon Tetrachloride	5/20/09	ND	ND	7/28/09	14	90	11/10/09	8.6	54	2/4/10	13	84
			Chloroform	5/20/09	230	1100	7/28/09	220	1100	11/10/09	170	840	2/4/10	210	1000
			Dichlorodifluoromethane	5/20/09	28 (J+)	140 (J+)	7/28/09	26	130	11/10/09	18	88	2/4/10	23	110
			Dichloroethane[1,1,-]	5/20/09	64	260	7/28/09	62	250	11/10/09	48	190	2/4/10	56	230
			Dichloroethene[1,1,-]	5/20/09	370	1500	7/28/09	300	1200	11/10/09	240	950	2/4/10	300	1200
			Dichloropropane[1,2,-]	5/20/09	90	420	7/28/09	90	420	11/10/09	78	360	2/4/10	88	410

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02027 (cont.)	20	20	Tetrachloroethene	5/20/09	160	1100	7/28/09	160	1000	11/10/09	130	870	2/4/10	140	980
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/20/09	910	7000	7/28/09	920	7100	11/10/09	660	5100	2/4/10	870	6700
			Trichloroethane[1,1,1-]	5/20/09	5000	27,000	7/28/09	4700	26,000	11/10/09	3600	20,000	2/4/10	4400	24,000
			Trichloroethene	5/20/09	1200	6400	7/28/09	1100	6100	11/10/09	880	4700	2/4/10	1100	6000
			Trichlorofluoromethane	5/20/09	140	800	7/28/09	170	970	11/10/09	130	730	2/4/10	170	940
	100	100	Benzene	5/20/09	36	120	7/28/09	35	110	11/10/09	29	93	2/4/10	25	79
			Carbon Tetrachloride	5/20/09	ND	ND	7/28/09	69	440	11/10/09	50	310	2/4/10	41	260
			Chloroform	5/20/09	640	3200	7/28/09	640	3100	11/10/09	500	2400	2/4/10	400	1900
			Dichlorodifluoromethane	5/20/09	86 (J+)	430 (J+)	7/28/09	80	400	11/10/09	58	290	2/4/10	49	240
			Dichloroethane[1,1,-]	5/20/09	160	660	7/28/09	170	680	11/10/09	140	550	2/4/10	100	420
			Dichloroethane[1,2,-]	5/20/09	63	260	7/28/09	60	240	11/10/09	49	200	2/4/10	39	160
			Dichloroethane[1,1,-]	5/20/09	1000	4200	7/28/09	1000	4100	11/10/09	870	3400	2/4/10	670	2600
			Dichloropropane[1,2,-]	5/20/09	250	1200	7/28/09	260	1200	11/10/09	220	1000	2/4/10	180	840
			Methylene Chloride	5/20/09	250	860	7/28/09	240	830	11/10/09	170	590	2/4/10	120	430
			Tetrachloroethene	5/20/09	450	3000	7/28/09	420	2800	11/10/09	350	2400	2/4/10	270	1800
			Toluene	5/20/09	ND	ND	7/28/09	ND	ND	11/10/09	ND	ND	2/4/10	12	45
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/20/09	2900	22,000	7/28/09	3000	23,000	11/10/09	2200	17,000	2/4/10	1800	14,000
			Trichloroethane[1,1,1-]	5/20/09	14,000	75,000	7/28/09	13,000	71,000	11/10/09	10,000	58,000	2/4/10	7900	43,000
			Trichloroethene	5/20/09	3400	18,000	7/28/09	3300	18,000	11/10/09	2600	14,000	2/4/10	2200	12,000
			Trichlorofluoromethane	5/20/09	400	2200	7/28/09	530	3000	11/10/09	410	2300	2/4/10	320	1800
	200	200	Acetone	5/20/09	ND	ND	7/28/09	ND	ND	11/10/09	ND	ND	2/4/10	110	260
			Benzene	5/20/09	110	350	7/28/09	110	340	11/10/09	67	210	2/4/10	100	320
			Butanone[2-]	5/20/09	ND	ND	7/28/09	41	120	11/10/09	ND	ND	2/4/10	ND	ND
			Carbon Tetrachloride	5/20/09	160	1000	7/28/09	140	910	11/10/09	78	490	2/4/10	110	710
			Chloroform	5/20/09	660	3200	7/28/09	670	3300	11/10/09	380	1800	2/4/10	570	2800
			Dichlorodifluoromethane	5/20/09	160 (J+)	810 (J+)	7/28/09	150	760	11/10/09	84	420	2/4/10	120	610



Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02027 (cont.)	200	200	Dichloroethane[1,1-]	5/20/09	130	520	7/28/09	150	610	11/10/09	88	360	2/4/10	130	520
			Dichloroethane[1,2-]	5/20/09	39	160	7/28/09	35	140	11/10/09	22	89	2/4/10	33	130
			Dichloroethene[1,1-]	5/20/09	2000	7800	7/28/09	2000	7800	11/10/09	1200	4900	2/4/10	1700	6800
			Dichloropropane[1,2-]	5/20/09	110	500	7/28/09	110	520	11/10/09	70	320	2/4/10	110	500
			Methylene Chloride	5/20/09	1200	4000	7/28/09	1200	4000	11/10/09	630	2200	2/4/10	830	2900
			Tetrachloroethene	5/20/09	480	3300	7/28/09	460	3100	11/10/09	290	2000	2/4/10	410	2800
			Toluene	5/20/09	250	940	7/28/09	260	960	11/10/09	150	560	2/4/10	220	840
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/20/09	4100	32,000	7/28/09	4400	34,000	11/10/09	2400	19,000	2/4/10	3600	28,000
			Trichloroethane[1,1,1-]	5/20/09	14,000	77,000	7/28/09	14,000	75,000	11/10/09	8300	45,000	2/4/10	11,000	63,000
			Trichloroethene	5/20/09	3900	21,000	7/28/09	3900	21,000	11/10/09	2400	13,000	2/4/10	3600	19,000
Trichlorofluoromethane	5/20/09	570	3200	7/28/09	710	4000	11/10/09	420	2400	2/4/10	600	3400			
54-02028	20	20	Carbon Tetrachloride	5/21/09	ND	ND	7/30/09	5.8	37	11/16/09	8.6	54	2/10/10	7.7	49
			Chloroform	5/21/09	50	240	7/30/09	50	240	11/16/09	65	320	2/10/10	70	340
			Cyclohexane	5/21/09	ND	ND	7/30/09	ND	ND	11/16/09	ND	ND	2/10/10	46	160
			Dichlorodifluoromethane	5/21/09	ND	ND	7/30/09	6	30	11/16/09	9.2	46	2/10/10	10	49
			Dichloroethane[1,1-]	5/21/09	17	70	7/30/09	17	68	11/16/09	24	99	2/10/10	25	100
			Dichloroethene[1,1-]	5/21/09	74	290	7/30/09	74	290	11/16/09	120	460	2/10/10	120	460
			Dichloropropane[1,2-]	5/21/09	15	72	7/30/09	16	75	11/16/09	22	100	2/10/10	21	97
			Tetrachloroethene	5/21/09	44	300	7/30/09	43	290	11/16/09	56	380	2/10/10	48	330
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/21/09	280	2100	7/30/09	260	2000	11/16/09	340	2600	2/10/10	370	2800
			Trichloroethane[1,1,1-]	5/21/09	1300	7100	7/30/09	1400	7800	11/16/09	1800	9600	2/10/10	2000	11,000
	Trichloroethene	5/21/09	360	2000	7/30/09	370	2000	11/16/09	470	2500	2/10/10	490	2600		
	Trichlorofluoromethane	5/21/09	43	240	7/30/09	46	260	11/16/09	61	340	2/10/10	70	390		
	100	100	Carbon Tetrachloride	5/21/09	16	100	7/30/09	ND	ND	11/16/09	17	100	2/10/10	15	97
			Chloroform	5/21/09	99	480	7/30/09	85	420	11/16/09	110	540	2/10/10	100	510
			Cyclohexane	5/21/09	ND	ND	7/30/09	ND	ND	11/16/09	ND	ND	2/10/10	60	200

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02028 (cont.)	100	100	Dichlorodifluoromethane	5/21/09	21	100	7/30/09	13	63	11/16/09	22	110	2/10/10	22	110
			Dichloroethane[1,1,-]	5/21/09	31	130	7/30/09	26	100	11/16/09	37	150	2/10/10	34	140
			Dichloroethene[1,1,-]	5/21/09	220	890	7/30/09	190	740	11/16/09	250	1000	2/10/10	240	930
			Dichloropropane[1,2,-]	5/21/09	21	99	7/30/09	17	80	11/16/09	26	120	2/10/10	25	120
			Methylene Chloride	5/21/09	26	89	7/30/09	20	68	11/16/09	27	94	2/10/10	24	85
			Tetrachloroethene	5/21/09	67	460	7/30/09	57	380	11/16/09	80	540	2/10/10	74	500
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/21/09	630	4900	7/30/09	530	4100	11/16/09	630	4800	2/10/10	610	4700
			Trichloroethane[1,1,1,-]	5/21/09	2400	13,000	7/30/09	2100	12,000	11/16/09	2800	15,000	2/10/10	2600	14,000
			Trichloroethene	5/21/09	730	3900	7/30/09	630	3400	11/16/09	810	4300	2/10/10	800	4300
	Trichlorofluoromethane	5/21/09	110	600	7/30/09	87	490	11/16/09	120	680	2/10/10	110	630		
	160	160	Carbon Tetrachloride	5/21/09	28	170	7/30/09	19	120	11/16/09	22	140	2/10/10	26	160
			Chloroform	5/21/09	100	500	7/30/09	89	440	11/16/09	96	470	2/10/10	110	540
			Cyclohexane	5/21/09	ND	ND	7/30/09	ND	ND	11/16/09	ND	ND	2/10/10	71	240
			Dichlorodifluoromethane	5/21/09	35	170	7/30/09	23	120	11/16/09	32	160	2/10/10	37	180
			Dichloroethane[1,1,-]	5/21/09	30	120	7/30/09	27	110	11/16/09	29	120	2/10/10	34	140
			Dichloroethene[1,1,-]	5/21/09	340	1400	7/30/09	300	1200	11/16/09	320	1200	2/10/10	360	1400
			Dichloropropane[1,2,-]	5/21/09	10	48	7/30/09	ND	ND	11/16/09	11	51	2/10/10	13	60
			Methylene Chloride	5/21/09	73	250	7/30/09	58	200	11/16/09	66	230	2/10/10	70	240
			Tetrachloroethene	5/21/09	77	520	7/30/09	65	440	11/16/09	74	500	2/10/10	83	560
Trichloro-1,2,2-trifluoroethane[1,1,2,-]			5/21/09	900	6900	7/30/09	790	6100	11/16/09	760	5800	2/10/10	880	6700	
Trichloroethane[1,1,1,-]	5/21/09	2700	15,000	7/30/09	2500	14,000	11/16/09	2600	14,000	2/10/10	2900	16,000			
Trichloroethene	5/21/09	860	4600	7/30/09	780	4200	11/16/09	820	4400	2/10/10	980	5300			
Trichlorofluoromethane	5/21/09	140	790	7/30/09	130	710	11/16/09	140	760	2/10/10	150	860			
54-02031	20	20	Carbon Tetrachloride	5/7/09	41	260	8/17/09	ND	ND	10/29/09	26	160	1/27/10	24	150
			Chloroform	5/7/09	150	720	8/17/09	110	560	10/29/09	88	430	1/27/10	90	440
			Dichlorodifluoromethane	5/7/09	71	350	8/17/09	51	250	10/29/09	40	200	1/27/10	39	190

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02031 (cont.)	20	20	Dichloroethane[1,1,-]	5/7/09	340	1400	8/17/09	250	1000	10/29/09	190	750	1/27/10	190	760
			Dichloroethane[1,2,-]	5/7/09	66	260	8/17/09	46	180	10/29/09	37	150	1/27/10	43	170
			Dichloroethene[1,1,-]	5/7/09	820	3200	8/17/09	580	2300	10/29/09	490	2000	1/27/10	490	1900
			Dichloropropane[1,2,-]	5/7/09	30	140	8/17/09	ND	ND	10/29/09	16	76	1/27/10	18	81
			Tetrachloroethene	5/7/09	480	3300	8/17/09	450	3000	10/29/09	350	2400	1/27/10	320	2200
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/7/09	630	4800	8/17/09	590	4500	10/29/09	420	3200	1/27/10	380	2900
			Trichloroethane[1,1,1,-]	5/7/09	12,000	67,000	8/17/09	10,000	55,000	10/29/09	7500	41,000	1/27/10	7000	38,000
			Trichloroethene	5/7/09	2900	16,000	8/17/09	2400	13,000	10/29/09	1800	9700	1/27/10	1800	9600
			Trichlorofluoromethane	5/7/09	120	660	8/17/09	92	520	10/29/09	73	410	1/27/10	68	380
	100	100	Carbon Tetrachloride	5/7/09	140	870	8/17/09	ND	ND	10/29/09	110	710	1/27/10	110	710
			Chloroform	5/7/09	310	1500	8/17/09	250	1200	10/29/09	290	1400	1/27/10	300	1500
			Dichlorodifluoromethane	5/7/09	180	880	8/17/09	130	630	10/29/09	150	750	1/27/10	160	790
			Dichloroethane[1,1,-]	5/7/09	750	3000	8/17/09	560	2200	10/29/09	680	2700	1/27/10	720	2900
			Dichloroethane[1,2,-]	5/7/09	400	1600	8/17/09	290	1200	10/29/09	320	1300	1/27/10	350	1400
			Dichloroethene[1,1,-]	5/7/09	2000	7800	8/17/09	1400	5800	10/29/09	1800	7200	1/27/10	2000	7900
			Dichloropropane[1,2,-]	5/7/09	88	400	8/17/09	ND	ND	10/29/09	72	340	1/27/10	81	380
			Methylene Chloride	5/7/09	320	1100	8/17/09	200	710	10/29/09	280	960	1/27/10	240	850
			Tetrachloroethene	5/7/09	1200	8100	8/17/09	1000	6900	10/29/09	1200	7800	1/27/10	1100	7800
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/7/09	2000	16,000	8/17/09	1800	14,000	10/29/09	1800	14,000	1/27/10	1900	14,000
			Trichloroethane[1,1,1,-]	5/7/09	29,000	160,000	8/17/09	24,000	130,000	10/29/09	28,000	150,000	1/27/10	28,000	150,000
			Trichloroethene	5/7/09	7400	40,000	8/17/09	6100	33,000	10/29/09	6900	37,000	1/27/10	7200	39,000
			Trichlorofluoromethane	5/7/09	320	1800	8/17/09	250	1400	10/29/09	300	1700	1/27/10	300	1700
	160	160	Carbon Tetrachloride	5/7/09	170	1000	8/17/09	85	540	10/29/09	140	860	1/27/10	120	770
			Chloroform	5/7/09	320	1600	8/17/09	240	1100	10/29/09	290	1400	1/27/10	260	1300
			Dichlorodifluoromethane	5/7/09	240	1200	8/17/09	140	700	10/29/09	200	990	1/27/10	170	860
			Dichloroethane[1,1,-]	5/7/09	720	2900	8/17/09	500	2000	10/29/09	610	2500	1/27/10	580	2300

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02031 (cont.)	160	160	Dichloroethane[1,2-]	5/7/09	260	1100	8/17/09	210	840	10/29/09	220	880	1/27/10	230	920
			Dichloroethene[1,1-]	5/7/09	2500	9900	8/17/09	1700	6900	10/29/09	2300	9100	1/27/10	2000	8100
			Dichloropropane[1,2-]	5/7/09	63	290	8/17/09	ND	ND	10/29/09	52	240	1/27/10	56	260
			Methylene Chloride	5/7/09	550	1900	8/17/09	350	1200	10/29/09	450	1600	1/27/10	350	1200
			Tetrachloroethene	5/7/09	1200	8500	8/17/09	1100	7200	10/29/09	1200	8000	1/27/10	1000	7100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/7/09	2700	20,000	8/17/09	2200	17,000	10/29/09	2500	19,000	1/27/10	2100	16,000
			Trichloroethane[1,1,1-]	5/7/09	30,000	170,000	8/17/09	24,000	130,000	10/29/09	28,000	160,000	1/27/10	26,000	140,000
			Trichloroethene	5/7/09	8100	44,000	8/17/09	6500	35,000	10/29/09	7500	40,000	1/27/10	6900	37,000
			Trichlorofluoromethane	5/7/09	420	2400	8/17/09	300	1700	10/29/09	390	2200	1/27/10	330	1900
	260	260	Benzene	5/7/09	ND	ND	8/17/09	ND	ND	10/29/09	18	59	1/27/10	20	65
			Carbon Tetrachloride	5/7/09	130	830	8/17/09	69	430	10/29/09	97	610	1/27/10	110	710
			Chloroform	5/7/09	190	920	8/17/09	120	580	10/29/09	140	690	1/27/10	170	830
			Dichlorodifluoromethane	5/7/09	240	1200	8/17/09	110	540	10/29/09	170	840	1/27/10	200	970
			Dichloroethane[1,1-]	5/7/09	370	1500	8/17/09	210	870	10/29/09	270	1100	1/27/10	330	1300
			Dichloroethane[1,2-]	5/7/09	65	260	8/17/09	ND	ND	10/29/09	47	190	1/27/10	66	270
			Dichloroethene[1,1-]	5/7/09	2400	9500	8/17/09	1500	5800	10/29/09	1800	7300	1/27/10	2100	8400
			Dichloropropane[1,2-]	5/7/09	ND	ND	8/17/09	ND	ND	10/29/09	ND	ND	1/27/10	19	90
			Methylene Chloride	5/7/09	340	1200	8/17/09	190	660	10/29/09	230	810	1/27/10	250	870
			Tetrachloroethene	5/7/09	860	5800	8/17/09	620	4200	10/29/09	720	4800	1/27/10	820	5600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/7/09	2600	20,000	8/17/09	1900	15,000	10/29/09	2000	15,000	1/27/10	2200	17,000
Trichloroethane[1,1,1-]	5/7/09	19,000	100,000	8/17/09	13,000	72,000	10/29/09	15,000	84,000	1/27/10	17,000	95,000			
Trichloroethene	5/7/09	5500	30,000	8/17/09	3800	21,000	10/29/09	4400	24,000	1/27/10	5200	28,000			
Trichlorofluoromethane	5/7/09	400	2300	8/17/09	250	1400	10/29/09	310	1800	1/27/10	350	2000			
54-02034	20	20	Chloroform	5/4/09	24	120	7/22/09	25	120	10/27/09	24	120	1/29/10	26	120
			Dichlorodifluoromethane	5/4/09	34	170	7/22/09	34	170	10/27/09	29	140	1/29/10	ND	ND
			Dichloroethane[1,1-]	5/4/09	89	360	7/22/09	84	340	10/27/09	88	360	1/29/10	88	360

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02034 (cont.)	20	20	Dichloroethene[1,1,-]	5/4/09	180	720	7/22/09	190	750	10/27/09	220	870	1/29/10	220	880
			Tetrachloroethene	5/4/09	75	510	7/22/09	49 (J)	330 (J)	10/27/09	86	580	1/29/10	85	580
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/4/09	68	520	7/22/09	73	560	10/27/09	72	550	1/29/10	73	560
			Trichloroethane[1,1,1,-]	5/4/09	5700	31,000	7/22/09	6000	33,000	10/27/09	6000	32,000	1/29/10	6100	33,000
			Trichloroethene	5/4/09	900	4800	7/22/09	870	4700	10/27/09	910	4900	1/29/10	940	5000
			Trichlorofluoromethane	5/4/09	28	160	7/22/09	27	150	10/27/09	27	150	1/29/10	29	160
	60	60	Chloroform	5/4/09	24	120	7/22/09	38	190	10/27/09	31	150	1/29/10	33	160
			Dichlorodifluoromethane	5/4/09	33	160	7/22/09	60	300	10/27/09	42	210	1/29/10	44	220
			Dichloroethane[1,1,-]	5/4/09	90	360	7/22/09	180	750	10/27/09	150	610	1/29/10	140	570
			Dichloroethane[1,2,-]	5/4/09	ND	ND	7/22/09	57	230	10/27/09	49	200	1/29/10	47	190
			Dichloroethene[1,1,-]	5/4/09	200	800	7/22/09	370	1400	10/27/09	340	1300	1/29/10	320	1300
			Dichloropropane[1,2,-]	5/4/09	ND	ND	7/22/09	12	56	10/27/09	10	48	1/29/10	9.9	46
			Methylene Chloride	5/4/09	ND	ND	7/22/09	26	90	10/27/09	21	74	1/29/10	18	61
			Tetrachloroethene	5/4/09	74	500	7/22/09	75 (J)	510 (J)	10/27/09	110	750	1/29/10	100	680
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/4/09	68	520	7/22/09	120	950	10/27/09	100	790	1/29/10	95	730
			Trichloroethane[1,1,1,-]	5/4/09	5700	31,000	7/22/09	10,000	55,000	10/27/09	8200	44,000	1/29/10	8000	43,000
			Trichloroethene	5/4/09	900	4800	7/22/09	1600	8800	10/27/09	1400	7700	1/29/10	1400	7400
	Trichlorofluoromethane	5/4/09	29	160	7/22/09	50	280	10/27/09	39	220	1/29/10	38	210		
	160	160	Carbon Tetrachloride	5/4/09	ND	ND	7/22/09	18	110	10/27/09	13	84	1/29/10	8.5	53
			Chloroform	5/4/09	24	120	7/22/09	23	110	10/27/09	20	96	1/29/10	14	69
			Dichlorodifluoromethane	5/4/09	89	440	7/22/09	91	450	10/27/09	67	330	1/29/10	49	240
Dichloroethane[1,1,-]			5/4/09	120	510	7/22/09	120	490	10/27/09	100	410	1/29/10	71	290	
Dichloroethane[1,2,-]			5/4/09	13	52	7/22/09	13	53	10/27/09	ND	ND	1/29/10	8.5	34	
Dichloroethene[1,1,-]			5/4/09	590	2300	7/22/09	560	2200	10/27/09	480	1900	1/29/10	350	1400	
Methylene Chloride			5/4/09	59	210	7/22/09	54	190	10/27/09	44	150	1/29/10	30	100	
Tetrachloroethene	5/4/09	78	530	7/22/09	51 (J)	350 (J)	10/27/09	76	520	1/29/10	52	350			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02034 (cont.)	160	160	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/4/09	190	1500	7/22/09	190	1400	10/27/09	150	1200	1/29/10	110	820
			Trichloroethane[1,1,1-]	5/4/09	7000	38,000	7/22/09	7600	41,000	10/27/09	6300	34,000	1/29/10	4600	25,000
			Trichloroethene	5/4/09	1400	7600	7/22/09	1300	7200	10/27/09	1200	6400	1/29/10	880	4700
			Trichlorofluoromethane	5/4/09	84	470	7/22/09	84	470	10/27/09	67	380	1/29/10	50	280
	260	260	Carbon Tetrachloride	5/4/09	ND	ND	7/22/09	ND	ND	10/27/09	4	25	1/29/10	ND	ND
			Dichlorodifluoromethane	5/4/09	38	190	7/22/09	45	220	10/27/09	27	130	1/29/10	ND	ND
			Dichloroethane[1,1,-]	5/4/09	ND	ND	7/22/09	ND	ND	10/27/09	3.6 (J)	15(J)	1/29/10	ND	ND
			Dichloroethene[1,1,-]	5/4/09	160	640	7/22/09	170	670	10/27/09	91 (J)	360 (J)	1/29/10	ND	ND
			Tetrachloroethene	5/4/09	ND	ND	7/22/09	ND	ND	10/27/09	7	48	1/29/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/4/09	69	530	7/22/09	78	600	10/27/09	43 (J)	330 (J)	1/29/10	ND	ND
			Trichloroethane[1,1,1-]	5/4/09	720	3900	7/22/09	830	4500	10/27/09	600	3300	1/29/10	2.3	12
			Trichloroethene	5/4/09	50	270	7/22/09	57	310	10/27/09	49	260	1/29/10	ND	ND
			Trichlorofluoromethane	5/4/09	54	300	7/22/09	59	330	10/27/09	42	230	1/29/10	ND	ND
	300	300	Carbon Tetrachloride	5/4/09	ND	ND	7/22/09	ND	ND	10/27/09	1	6.3	1/29/10	0.98	6.1
			Cyclohexane	5/4/09	ND	ND	7/22/09	ND	ND	10/27/09	ND	ND	1/29/10	3.7	13
			Dichlorodifluoromethane	5/4/09	3	15	7/22/09	10	51	10/27/09	7.7	38	1/29/10	7.6	38
			Dichloroethene[1,1,-]	5/4/09	11	45	7/22/09	28	110	10/27/09	19 (J)	75 (J)	1/29/10	22	90
			Tetrachloroethene	5/4/09	ND	ND	7/22/09	ND	ND	10/27/09	1	7.1	1/29/10	1.2	8.3
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/4/09	4.8	36	7/22/09	17	130	10/27/09	12 (J)	91 (J)	1/29/10	14	110
			Trichloroethane[1,1,1-]	5/4/09	19	100	7/22/09	75	410	10/27/09	70	380	1/29/10	66	360
Trichloroethene			5/4/09	1	5.4	7/22/09	ND	ND	10/27/09	2.8	15	1/29/10	3.7	20	
Trichlorofluoromethane	5/4/09	5	28	7/22/09	16	93	10/27/09	14	81	1/29/10	16	88			
54-02089	31	31	Carbon Tetrachloride	5/6/09	1600	10,000	7/21/09	860	5400	11/3/09	1400	8700	1/26/10	2100	13,000
			Chloroform	5/6/09	7100	34,000	7/21/09	4000	20,000	11/3/09	5900	29,000	1/26/10	9200	45,000
			Dichlorodifluoromethane	5/6/09	ND	ND	7/21/09	450	2200	11/3/09	560	2800	1/26/10	920	4500

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-02089 (cont.)	31	31	Dichloroethane[1,1-]	5/6/09	16,000	67,000	7/21/09	9400	38,000	11/3/09	13,000	53,000	1/26/10	20,000	81,000
			Dichloroethane[1,2-]	5/6/09	91,000	370,000	7/21/09	57,000	230,000	11/3/09	100,000	410,000	1/26/10	170,000	680,000
			Dichloroethene[1,1-]	5/6/09	9100	36,000	7/21/09	5600	22,000	11/3/09	12,000	49,000	1/26/10	19,000	76,000
			Dichloropropane[1,2-]	5/6/09	39,000	180,000	7/21/09	23,000	100,000	11/3/09	33,000	150,000	1/26/10	52,000	240,000
			Hexane	5/6/09	ND	ND	7/21/09	290	1000	11/3/09	450	1600	1/26/10	ND	ND
			Tetrachloroethene	5/6/09	7100	48,000	7/21/09	3100 (J)	21,000 (J)	11/3/09	7400	50,000	1/26/10	13,000	89,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/6/09	81,000	620,000	7/21/09	54,000	410,000	11/3/09	83,000	640,000	1/26/10	130,000	980,000
			Trichloroethane[1,1,1-]	5/6/09	350,000	1,900,000	7/21/09	190,000	1,000,000	11/3/09	330,000	1,800,000	1/26/10	490,000	2,700,000
			Trichloroethene	5/6/09	130,000	690,000	7/21/09	73,000	390,000	11/3/09	120,000	620,000	1/26/10	180,000	1,000,000
	Trichlorofluoromethane	5/6/09	3300	18,000	7/21/09	1700	9800	11/3/09	2700	15,000	1/26/10	4000	22,000		
	46	46	Carbon Tetrachloride	5/6/09	1700	11,000	7/21/09	2300	14,000	11/3/09	1600	10,000	1/26/10	3000	19,000
			Chloroform	5/6/09	7200	35,000	7/21/09	8700	42,000	11/3/09	6500	32,000	1/26/10	13,000	62,000
			Dichlorodifluoromethane	5/6/09	920	4500	7/21/09	980	4800	11/3/09	ND	ND	1/26/10	1300	6300
			Dichloroethane[1,1-]	5/6/09	14,000	57,000	7/21/09	17,000	69,000	11/3/09	12,000	50,000	1/26/10	23,000	94,000
			Dichloroethane[1,2-]	5/6/09	37,000	150,000	7/21/09	51,000	200,000	11/3/09	46,000	190,000	1/26/10	100,000	420,000
			Dichloroethene[1,1-]	5/6/09	9000	36,000	7/21/09	10,000	41,000	11/3/09	13,000	53,000	1/26/10	24,000	97,000
			Dichloropropane[1,2-]	5/6/09	47,000	220,000	7/21/09	59,000	270,000	11/3/09	41,000	190,000	1/26/10	87,000	400,000
			Hexane	5/6/09	ND	ND	7/21/09	600	2100	11/3/09	ND	ND	1/26/10	980	3400
			Tetrachloroethene	5/6/09	7000	48,000	7/21/09	5800 (J)	39,000 (J)	11/3/09	7700	52,000	1/26/10	16,000	110,000
Trichloro-1,2,2-trifluoroethane[1,1,2-]			5/6/09	87,000	660,000	7/21/09	110,000	870,000	11/3/09	92,000	700,000	1/26/10	170,000	1,300,000	
Trichloroethane[1,1,1-]	5/6/09	380,000	2,100,000	7/21/09	440,000	2,400,000	11/3/09	380,000	2,100,000	1/26/10	720,000	3,900,000			
Trichloroethene	5/6/09	120,000	640,000	7/21/09	140,000	780,000	11/3/09	110,000	610,000	1/26/10	220,000	1,200,000			
Trichlorofluoromethane	5/6/09	3000	17,000	7/21/09	3100	17,000	11/3/09	2600	15,000	1/26/10	4500	25,000			
54-24238	64	63-65	Benzene	5/13/09	820	2600	7/21/09	700	2200	11/3/09	ND	ND	1/26/10	ND	ND
			Carbon Tetrachloride	5/13/09	1800	12,000	7/21/09	1500	9600	11/3/09	1200	7900	1/26/10	1600	10,000
			Chloroform	5/13/09	11,000	55,000	7/21/09	9500	47,000	11/3/09	8800	43,000	1/26/10	10,000	49,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-24238 (cont.)	64	63-65	Dichlorodifluoromethane	5/13/09	1400	6800	7/21/09	1200	5900	11/3/09	880	4400	1/26/10	1000	4900
			Dichloroethane[1,1,-]	5/13/09	15,000	62,000	7/21/09	13,000	54,000	11/3/09	11,000	46,000	1/26/10	12,000	50,000
			Dichloroethane[1,2,-]	5/13/09	64,000	260,000	7/21/09	62,000	250,000	11/3/09	88,000	360,000	1/26/10	47,000	190,000
			Dichloroethene[1,1,-]	5/13/09	19,000	74,000	7/21/09	14,000	56,000	11/3/09	17,000	68,000	1/26/10	22,000	85,000
			Dichloropropane[1,2,-]	5/13/09	85,000	390,000	7/21/09	72,000	330,000	11/3/09	63,000	290,000	1/26/10	72,000	330,000
			Hexane	5/13/09	630	2200	7/21/09	600	2100	11/3/09	ND	ND	1/26/10	ND	ND
			Methylene Chloride	5/13/09	120,000	430,000	7/21/09	98,000	340,000	11/3/09	73,000	250,000	1/26/10	38,000	130,000
			Tetrachloroethene	5/13/09	12,000	84,000	7/21/09	6600 (J)	45,000 (J)	11/3/09	11,000	78,000	1/26/10	15,000	100,000
			Tetrahydrofuran	5/13/09	1300	3900	7/21/09	790	2300	11/3/09	710	2100	1/26/10	1100	3300
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/13/09	120,000	940,000	7/21/09	130,000	1,000,000	11/3/09	120,000	900,000	1/26/10	130,000	970,000
			Trichloroethane[1,1,1,-]	5/13/09	460,000	2,500,000	7/21/09	390,000	2,100,000	11/3/09	370,000	2,000,000	1/26/10	430,000	2,400,000
			Trichloroethene	5/13/09	140,000	740,000	7/21/09	120,000	660,000	11/3/09	120,000	630,000	1/26/10	130,000	720,000
Trichlorofluoromethane	5/13/09	3900	22,000	7/21/09	3200	18,000	11/3/09	2800	16,000	1/26/10	3400	19,000			
54-24239	25	24-26	Benzene	5/6/09	ND	ND	7/17/09	ND	ND	11/3/09	ND	ND	1/25/10	100	330
			Carbon Tetrachloride	5/6/09	340	2100	7/17/09	630	4000	11/2/09	470	3000	1/25/10	650	4100
			Chloroform	5/6/09	1400	6600	7/17/09	2600	13,000	11/2/09	2200	10,000	1/25/10	2700	13,000
			Dichlorodifluoromethane	5/6/09	120	570	7/17/09	250	1200	11/2/09	180	900	1/25/10	230	1100
			Dichloroethane[1,1,-]	5/6/09	1700	7000	7/17/09	3200	13,000	11/2/09	2700	11,000	1/25/10	3400	14,000
			Dichloroethane[1,2,-]	5/6/09	630	2600	7/17/09	1200	4900	11/2/09	1000	4000	1/25/10	1200	4900
			Dichloroethene[1,1,-]	5/6/09	2600	10,000	7/17/09	5000	20,000	11/2/09	4800	19,000	1/25/10	5700	23,000
			Dichloropropane[1,2,-]	5/6/09	780	3600	7/17/09	1400	6500	11/2/09	1200	5600	1/25/10	1600	7300
			Tetrachloroethene	5/6/09	16,000	110,000	7/17/09	20,000 (J)	140,000 (J)	11/2/09	34,000	230,000	1/25/10	38,000	260,000
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/6/09	3600	28,000	7/17/09	6700	51,000	11/2/09	5600	43,000	1/25/10	7200	55,000
			Trichloroethane[1,1,1,-]	5/6/09	44,000	240,000	7/17/09	92,000	500,000	11/2/09	75,000	410,000	1/25/10	90,000	490,000
			Trichloroethene	5/6/09	14,000	76,000	7/17/09	28,000	150,000	11/2/09	25,000	130,000	1/25/10	30,000	160,000
Trichlorofluoromethane	5/6/09	350	2000	7/17/09	690	3900	11/2/09	570	3200	1/25/10	690	3900			



Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-24239 (cont.)	75	74-76	Benzene	5/6/09	240	770	7/17/09	200	640	11/2/09	ND	ND	1/25/10	220	710
			Carbon Tetrachloride	5/6/09	900	5600	7/17/09	840	5300	11/2/09	550	3500	1/25/10	800	5000
			Chloroform	5/6/09	3700	18,000	7/17/09	3600	18,000	11/2/09	2700	13,000	1/25/10	3400	17,000
			Dichlorodifluoromethane	5/6/09	390	1900	7/17/09	380	1900	11/2/09	240	1200	1/25/10	330	1600
			Dichloroethane[1,1,-]	5/6/09	4500	18,000	7/17/09	4300	18,000	11/2/09	3400	14,000	1/25/10	4200	17,000
			Dichloroethane[1,2,-]	5/6/09	2600	10,000	7/17/09	2400	9700	11/2/09	1900	7600	1/25/10	2400	9600
			Dichloroethene[1,1,-]	5/6/09	8100	32,000	7/17/09	7500	30,000	11/2/09	5900	24,000	1/25/10	8300	33,000
			Dichloropropane[1,2,-]	5/6/09	2100	9600	7/17/09	1900	8700	11/2/09	1600	7200	1/25/10	2000	9500
			Tetrachloroethene	5/6/09	42,000	280,000	7/17/09	23,000 (J)	160,000 (J)	11/2/09	40,000	280,000	1/25/10	43,000	290,000
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/6/09	11,000	86,000	7/17/09	10,000	80,000	11/2/09	7600	59,000	1/25/10	9800	75,000
			Trichloroethane[1,1,1,-]	5/6/09	130,000	720,000	7/17/09	130,000	740,000	11/2/09	100,000	560,000	1/25/10	120,000	670,000
			Trichloroethene	5/6/09	41,000	220,000	7/17/09	38,000	210,000	11/2/09	32,000	170,000	1/25/10	40,000	220,000
Trichlorofluoromethane	5/6/09	1100	6400	7/17/09	1100	6300	11/2/09	790	4400	1/25/10	1000	5800			
54-24240	28	27-29	Benzene	5/14/09	ND	ND	7/17/09	ND	ND	11/2/09	ND	ND	1/25/10	360	1200
			Carbon Tetrachloride	5/14/09	ND	ND	7/17/09	930	5800	11/2/09	640	4000	1/25/10	890	5600
			Chloroform	5/14/09	2500	12,000	7/17/09	2700	13,000	11/2/09	2300	11,000	1/25/10	3600	18,000
			Dichlorodifluoromethane	5/14/09	1200	6000	7/17/09	1100	5600	11/2/09	610	3000	1/25/10	1900	9500
			Dichloroethane[1,1,-]	5/14/09	14,000	59,000	7/17/09	15,000	61,000	11/2/09	11,000	46,000	1/25/10	14,000	57,000
			Dichloroethane[1,2,-]	5/14/09	100,000	420,000	7/17/09	100,000	410,000	11/2/09	100,000	410,000	1/25/10	150,000	610,000
			Dichloroethene[1,1,-]	5/14/09	3100	12,000	7/17/09	4000	16,000	11/2/09	5000	20,000	1/25/10	6200	24,000
			Dichloropropane[1,2,-]	5/14/09	450	2100	7/17/09	430	2000	11/2/09	440	2000	1/25/10	640	3000
			Methylene Chloride	5/14/09	1800	6400	7/17/09	970	3400	11/2/09	500	1700	1/25/10	890	3100
			Tetrachloroethene	5/14/09	35,000	240,000	7/17/09	25,000 (J)	170,000 (J)	11/2/09	39,000	260,000	1/25/10	55,000	370,000
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/14/09	10,000	81,000	7/17/09	15,000	110,000	11/2/09	9200	70,000	1/25/10	13,000	99,000
			Trichloroethane[1,1,1,-]	5/14/09	270,000	1,500,000	7/17/09	320,000	1,800,000	11/2/09	220,000	1,200,000	1/25/10	270,000	1,500,000
Trichloroethene	5/14/09	130,000	680,000	7/17/09	150,000	800,000	11/2/09	150,000	790,000	1/25/10	210,000	1,100,000			
Trichlorofluoromethane	5/14/09	2400	14,000	7/17/09	2800	16,000	11/2/09	1600	9300	1/25/10	2300	13,000			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-24240 (cont.)	53	52-54	Benzene	5/14/09	730	2300	7/17/09	690	2200	11/2/09	670	2100	1/25/10	850	2700
			Carbon Tetrachloride	5/14/09	1500	9600	7/17/09	1500	9200	11/2/09	1200	7800	1/25/10	1500	9700
			Chloroform	5/14/09	6900	34,000	7/17/09	6900	34,000	11/2/09	6200	30,000	1/25/10	7900	38,000
			Dichlorodifluoromethane	5/14/09	2900	14,000	7/17/09	2800	14,000	11/2/09	1800	9000	1/25/10	4300	21,000
			Dichloroethane[1,1-]	5/14/09	20,000	79,000	7/17/09	18,000	71,000	11/2/09	15,000	61,000	1/25/10	19,000	77,000
			Dichloroethane[1,2-]	5/14/09	150,000	610,000	7/17/09	150,000	590,000	11/2/09	160,000	640,000	1/25/10	180,000	740,000
			Dichloroethene[1,1-]	5/14/09	5000	20,000	7/17/09	5500	22,000	11/2/09	8700	35,000	1/25/10	10,000	40,000
			Dichloropropane[1,2-]	5/14/09	840	3900	7/17/09	720	3300	11/2/09	760	3500	1/25/10	970	4500
			Hexane	5/14/09	710	2500	7/17/09	710	2500	11/2/09	590	2100	1/25/10	820	2900
			Methylene Chloride	5/14/09	20,000	70,000	7/17/09	14,000	50,000	11/2/09	9200	32,000	1/25/10	7400	26,000
			Tetrachloroethene	5/14/09	38,000	260,000	7/17/09	22,000 (J)	150,000 (J)	11/2/09	46,000	310,000	1/25/10	53,000	360,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/14/09	14,000	110,000	7/17/09	17,000	130,000	11/2/09	14,000	110,000	1/25/10	20,000	160,000
			Trichloroethane[1,1,1-]	5/14/09	370,000	2,000,000	7/17/09	390,000	2,100,000	11/2/09	340,000	1,900,000	1/25/10	420,000	2,300,000
	Trichloroethene	5/14/09	160,000	860,000	7/17/09	160,000	840,000	11/2/09	180,000	950,000	1/25/10	220,000	1,200,000		
	Trichlorofluoromethane	5/14/09	4700	26,000	7/17/09	4700	27,000	11/2/09	3500	20,000	1/25/10	4400	25,000		
	128	127-129	Benzene	5/14/09	ND	ND	7/17/09	ND	ND	11/2/09	ND	ND	1/25/10	220	710
			Carbon Tetrachloride	5/14/09	ND	ND	7/17/09	540	3400	11/2/09	550	3500	1/25/10	590	3700
			Chloroform	5/14/09	2000	9500	7/17/09	1800	8700	11/2/09	2000	10,000	1/25/10	1900	9400
			Dichlorodifluoromethane	5/14/09	1300	6400	7/17/09	1100	5400	11/2/09	850	4200	1/25/10	1000	5100
			Dichloroethane[1,1-]	5/14/09	8100	33,000	7/17/09	6500	26,000	11/2/09	6500	26,000	1/25/10	6700	27,000
Dichloroethane[1,2-]			5/14/09	14,000	58,000	7/17/09	12,000	50,000	11/2/09	15,000	60,000	1/25/10	13,000	52,000	
Dichloroethene[1,1-]			5/14/09	6600	26,000	7/17/09	5200	21,000	11/2/09	6700	27,000	1/25/10	7000	28,000	
Dichloropropane[1,2-]			5/14/09	850	3900	7/17/09	740	3400	11/2/09	670	3100	1/25/10	720	3300	
Hexane			5/14/09	ND	ND	7/17/09	ND	ND	11/2/09	ND	ND	1/25/10	220	770	
Methylene Chloride			5/14/09	4300	15,000	7/17/09	3300	11,000	11/2/09	3100	11,000	1/25/10	2200	7500	
Tetrachloroethene	5/14/09	14,000	94,000	7/17/09	8100 (J)	55,000 (J)	11/2/09	17,000	110,000	1/25/10	14,000	97,000			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10					
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )			
54-24240 (cont.)	128	127-129	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/14/09	5800	44,000	7/17/09	5400	41,000	11/2/09	6200	48,000	1/25/10	6500	50,000			
			Trichloroethane[1,1,1-]	5/14/09	200,000	1,100,000	7/17/09	180,000	980,000	11/2/09	170,000	950,000	1/25/10	180,000	970,000			
			Trichloroethene	5/14/09	50,000	270,000	7/17/09	41,000	220,000	11/2/09	49,000	260,000	1/25/10	49,000	260,000			
			Trichlorofluoromethane	5/14/09	1400	7700	7/17/09	1100	6400	11/2/09	1200	6700	1/25/10	1200	6900			
	153	152-154	Benzene	5/14/09	ND	ND	7/17/09	ND	ND	11/2/09	ND	ND	1/25/10	190	600			
			Carbon Tetrachloride	5/14/09	ND	ND	7/17/09	420	2600	11/2/09	550	3400	1/25/10	490	3100			
			Chloroform	5/14/09	1600	7800	7/17/09	1400	6800	11/2/09	1900	9300	1/25/10	1500	7200			
			Dichlorodifluoromethane	5/14/09	1200	5800	7/17/09	1000	4900	11/2/09	850	4200	1/25/10	890	4400			
			Dichloroethane[1,1,-]	5/14/09	7100	29,000	7/17/09	5700	23,000	11/2/09	6400	26,000	1/25/10	5700	23,000			
			Dichloroethane[1,2,-]	5/14/09	9100	37,000	7/17/09	8700	35,000	11/2/09	12,000	49,000	1/25/10	7800	32,000			
			Dichloroethene[1,1,-]	5/14/09	6700	26,000	7/17/09	5500	22,000	11/2/09	7000	28,000	1/25/10	6800	27,000			
			Dichloropropane[1,2,-]	5/14/09	780	3600	7/17/09	600	2700	11/2/09	700	3200	1/25/10	630	2900			
			Methylene Chloride	5/14/09	1600	5600	7/17/09	1300	4400	11/2/09	1900	6500	1/25/10	920	3200			
			Tetrachloroethene	5/14/09	11,000	72,000	7/17/09	6200 (J)	42,000 (J)	11/2/09	17,000	110,000	1/25/10	11,000	75,000			
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/14/09	5200	40,000	7/17/09	4800	37,000	11/2/09	6200	47,000	1/25/10	5500	42,000			
			Trichloroethane[1,1,1-]	5/14/09	180,000	1,000,000	7/17/09	160,000	890,000	11/2/09	180,000	980,000	1/25/10	160,000	860,000			
			Trichloroethene	5/14/09	45,000	240,000	7/17/09	38,000	200,000	11/2/09	49,000	260,000	1/25/10	41,000	220,000			
			Trichlorofluoromethane	5/14/09	1200	6800	7/17/09	1000	5800	11/2/09	1200	6600	1/25/10	1000	5900			
			54-24241	73	71-74	Benzene	5/14/09	ND	ND	7/20/09	560	1800	11/2/09	460	1500	2/11/10	460	1500
						Carbon Tetrachloride	5/14/09	3900	25,000	7/20/09	3700	24,000	11/2/09	2900	18,000	2/11/10	2400	15,000
Chloroform	5/14/09	6600				32,000	7/20/09	7500	37,000	11/2/09	6500	32,000	2/11/10	6900	34,000			
Dichlorodifluoromethane	5/14/09	ND				ND	7/20/09	380	1900	11/2/09	ND	ND	2/11/10	ND	ND			
Dichloroethane[1,1,-]	5/14/09	11,000				45,000	7/20/09	12,000	49,000	11/2/09	10,000	42,000	2/11/10	10,000	42,000			
Dichloroethane[1,2,-]	5/14/09	7200				29,000	7/20/09	7300	30,000	11/2/09	6600	27,000	2/11/10	6800	28,000			
Dichloroethene[1,1,-]	5/14/09	8300				33,000	7/20/09	8400	33,000	11/2/09	9900	39,000	2/11/10	8500	34,000			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-24241 (cont.)	73	71-74	Dichloroethene[trans-1,2-]	5/14/09	ND	ND	7/20/09	400 (J)	1600 (J)	11/2/09	ND	ND	2/11/10	340	1300
			Dichloropropane[1,2-]	5/14/09	6400	29,000	7/20/09	7600	35,000	11/2/09	6000	28,000	2/11/10	7500	34,000
			Dioxane[1,4-]	5/14/09	ND	ND	7/20/09	ND	ND	11/2/09	ND	ND	2/11/10	1200	4300
			Methylene Chloride	5/14/09	1200	4100	7/20/09	1100	4000	11/2/09	840	2900	2/11/10	660	2300
			Tetrachloroethene	5/14/09	19,000	130,000	7/20/09	16,000 (J)	110,000 (J)	11/2/09	22,000	150,000	2/11/10	22,000	150,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/14/09	25,000	190,000	7/20/09	30,000	230,000	11/2/09	24,000	180,000	2/11/10	23,000	170,000
			Trichloroethane[1,1,1-]	5/14/09	230,000	1,300,000	7/20/09	250,000	1,400,000	11/2/09	230,000	1,200,000	2/11/10	220,000	1,200,000
			Trichloroethene	5/14/09	59,000	320,000	7/20/09	70,000	380,000	11/2/09	59,000	320,000	2/11/10	63,000	340,000
			Trichlorofluoromethane	5/14/09	1600	9000	7/20/09	1600	9300	11/2/09	1400	8100	2/11/10	1400	8000
	113	112-114	Benzene	5/14/09	ND	ND	7/20/09	240	760	11/2/09	ND	ND	2/11/10	ND	ND
			Carbon Tetrachloride	5/14/09	1700	11,000	7/20/09	1700	10,000	11/2/09	1200	7800	2/11/10	1000	6500
			Chloroform	5/14/09	4900	24,000	7/20/09	4800	23,000	11/2/09	3800	19,000	2/11/10	4300	21,000
			Dichlorodifluoromethane	5/14/09	370	1800	7/20/09	360	1800	11/2/09	ND	ND	2/11/10	240	1200
			Dichloroethane[1,1-]	5/14/09	6800	27,000	7/20/09	6800	28,000	11/2/09	5200	21,000	2/11/10	5300	22,000
			Dichloroethane[1,2-]	5/14/09	4600	18,000	7/20/09	4200	17,000	11/2/09	3500	14,000	2/11/10	4100	17,000
			Dichloroethene[1,1-]	5/14/09	9400	37,000	7/20/09	8600	34,000	11/2/09	7800	31,000	2/11/10	7400	29,000
			Dichloropropane[1,2-]	5/14/09	5000	23,000	7/20/09	5000	23,000	11/2/09	3800	18,000	2/11/10	5000	23,000
			Tetrachloroethene	5/14/09	17,000	120,000	7/20/09	12,000 (J)	82,000 (J)	11/2/09	16,000	110,000	2/11/10	16,000	100,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/14/09	20,000	150,000	7/20/09	22,000	170,000	11/2/09	15,000	110,000	2/11/10	14,000	110,000
			Trichloroethane[1,1,1-]	5/14/09	170,000	940,000	7/20/09	170,000	920,000	11/2/09	140,000	770,000	2/11/10	130,000	710,000
			Trichloroethene	5/14/09	49,000	260,000	7/20/09	51,000	270,000	11/2/09	41,000	220,000	2/11/10	43,000	230,000
			Trichlorofluoromethane	5/14/09	1700	9700	7/20/09	1600	9100	11/2/09	1200	6800	2/11/10	1200	7000
	133	132-134	Benzene	5/14/09	240	750	7/20/09	270	870	11/2/09	230	740	2/11/10	230	750
			Carbon Tetrachloride	5/14/09	1200	7700	7/20/09	1200	7800	11/2/09	1100	6800	2/11/10	880	5600
			Chloroform	5/14/09	3800	19,000	7/20/09	4000	20,000	11/2/09	3500	17,000	2/11/10	3700	18,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result ( $\mu\text{g}/\text{m}^3$ )	Date	Result (ppbv)	Result ( $\mu\text{g}/\text{m}^3$ )	Date	Result (ppbv)	Result ( $\mu\text{g}/\text{m}^3$ )	Date	Result (ppbv)	Result ( $\mu\text{g}/\text{m}^3$ )
54-24241 (cont.)	133	132-134	Dichlorodifluoromethane	5/14/09	380	1800	7/20/09	380	1900	11/2/09	280	1400	2/11/10	280	1400
			Dichloroethane[1,1,-]	5/14/09	4500	18,000	7/20/09	4900	20,000	11/2/09	4100	16,000	2/11/10	3800	15,000
			Dichloroethane[1,2,-]	5/14/09	3200	13,000	7/20/09	3100	12,000	11/2/09	2700	11,000	2/11/10	3100	12,000
			Dichloroethene[1,1,-]	5/14/09	9500	38,000	7/20/09	9000	36,000	11/2/09	9000	36,000	2/11/10	8500	34,000
			Dichloropropane[1,2,-]	5/14/09	3200	15,000	7/20/09	3400	16,000	11/2/09	2900	13,000	2/11/10	3400	16,000
			Methylene Chloride	5/14/09	270	940	7/20/09	160	550	11/2/09	ND	ND	2/11/10	ND	ND
			Tetrachloroethene	5/14/09	13,000	87,000	7/20/09	9700 (J)	66,000 (J)	11/2/09	15,000	100,000	2/11/10	14,000	92,000
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/14/09	17,000	130,000	7/20/09	19,000	140,000	11/2/09	16,000	120,000	2/11/10	14,000	100,000
			Trichloroethane[1,1,1,-]	5/14/09	130,000	730,000	7/20/09	140,000	750,000	11/2/09	130,000	720,000	2/11/10	120,000	630,000
			Trichloroethene	5/14/09	39,000	210,000	7/20/09	44,000	230,000	11/2/09	39,000	210,000	2/11/10	39,000	210,000
Trichlorofluoromethane	5/14/09	1800	10,000	7/20/09	1800	10,000	11/2/09	1600	9000	2/11/10	1500	8600			
54-24242	25	24-26	Benzene	5/11/09	ND	ND	7/16/09	ND	ND	11/2/09	ND	ND	1/25/10	66	210
			Carbon Tetrachloride	5/11/09	570	3600	7/16/09	460	2900	11/2/09	370	2400	1/25/10	340	2100
			Chloroform	5/11/09	2200	11,000	7/16/09	2100	10,000	11/2/09	1700	8400	1/25/10	1700	8100
			Dichlorodifluoromethane	5/11/09	ND	ND	7/16/09	150	740	11/2/09	ND	ND	1/25/10	85	420
			Dichloroethane[1,1,-]	5/11/09	2900	12,000	7/16/09	2600	10,000	11/2/09	2100	8500	1/25/10	2000	8100
			Dichloroethane[1,2,-]	5/11/09	810	3300	7/16/09	770	3100	11/2/09	660	2700	1/25/10	670	2700
			Dichloroethene[1,1,-]	5/11/09	3800	15,000	7/16/09	3600	14,000	11/2/09	3300	13,000	1/25/10	2700	10,000
			Dichloropropane[1,2,-]	5/11/09	1500	6900	7/16/09	1300	5900	11/2/09	1100	5200	1/25/10	1200	5300
			Tetrachloroethene	5/11/09	68,000	460,000	7/16/09	64,000 (J)	430,000 (J)	11/2/09	75,000	510,000	1/25/10	46,000	310,000
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/11/09	5900	46,000	7/16/09	5200	40,000	11/2/09	4200	32,000	1/25/10	3500	27,000
			Trichloroethane[1,1,1,-]	5/11/09	72,000	390,000	7/16/09	74,000	410,000	11/2/09	58,000	310,000	1/25/10	46,000	250,000
			Trichloroethene	5/11/09	29,000	160,000	7/16/09	30,000	160,000	11/2/09	24,000	130,000	1/25/10	22,000	120,000
Trichlorofluoromethane	5/11/09	550	3100	7/16/09	530	3000	11/2/09	400	2300	1/25/10	330	1800			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-24242 (cont.)	50	49-51	Benzene	5/11/09	360	1200	7/16/09	300	950	11/2/09	270	850	1/25/10	320	1000
			Carbon Tetrachloride	5/11/09	1000	6400	7/16/09	980	6200	11/2/09	680	4200	1/25/10	850	5400
			Chloroform	5/11/09	4400	21,000	7/16/09	4200	21,000	11/2/09	3400	16,000	1/25/10	4000	20,000
			Dichlorodifluoromethane	5/11/09	400	2000	7/16/09	430	2100	11/2/09	240	1200	1/25/10	310	1500
			Dichloroethane[1,1-]	5/11/09	5000	20,000	7/16/09	4600	18,000	11/2/09	3500	14,000	1/25/10	4500	18,000
			Dichloroethane[1,2-]	5/11/09	3500	14,000	7/16/09	3300	14,000	11/2/09	2700	11,000	1/25/10	3300	13,000
			Dichloroethene[1,1-]	5/11/09	9100	36,000	7/16/09	8300	33,000	11/2/09	6800	27,000	1/25/10	9200	36,000
			Dichloropropane[1,2-]	5/11/09	2800	13,000	7/16/09	2400	11,000	11/2/09	2200	10,000	1/25/10	2700	12,000
			Methylene Chloride	5/11/09	1100	3900	7/16/09	710	2500	11/2/09	390	1400	1/25/10	320	1100
			Tetrachloroethene	5/11/09	48,000	330,000	7/16/09	27,000 (J)	180,000 (J)	11/2/09	49,000	330,000	1/25/10	50,000	340,000
			Tetrahydrofuran	5/11/09	220	660	7/16/09	ND	ND	11/2/09	ND	ND	1/25/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/11/09	14,000	110,000	7/16/09	14,000	110,000	11/2/09	9400	72,000	1/25/10	12,000	91,000
			Trichloroethane[1,1,1-]	5/11/09	150,000	830,000	7/16/09	160,000	850,000	11/2/09	120,000	640,000	1/25/10	140,000	750,000
			Trichloroethene	5/11/09	48,000	260,000	7/16/09	43,000	230,000	11/2/09	39,000	210,000	1/25/10	45,000	240,000
Trichlorofluoromethane	5/11/09	1500	8300	7/16/09	1400	8000	11/2/09	930	5200	1/25/10	1200	6800			
54-24243	25	24-26	Carbon Tetrachloride	5/15/09	850	5300	7/23/09	720	4600	11/12/09	480	3000	2/10/10	600	3800
			Chloroform	5/15/09	4700	23,000	7/23/09	4300	21,000	11/12/09	3400	16,000	2/10/10	4000	20,000
			Cyclohexane	5/15/09	ND	ND	7/23/09	ND	ND	11/12/09	ND	ND	2/10/10	3400	12,000
			Dichlorodifluoromethane	5/15/09	ND	ND	7/23/09	360	1800	11/12/09	190	920	2/10/10	280	1400
			Dichloroethane[1,1-]	5/15/09	6800	28,000	7/23/09	5600	23,000	11/12/09	4400	18,000	2/10/10	5500	22,000
			Dichloroethane[1,2-]	5/15/09	3900	16,000	7/23/09	3800	15,000	11/12/09	3500	14,000	2/10/10	4500	18,000
			Dichloroethene[1,1-]	5/15/09	5700	23,000	7/23/09	4800	19,000	11/12/09	5900	24,000	2/10/10	6100	24,000
			Dichloropropane[1,2-]	5/15/09	12,000	56,000	7/23/09	9900	46,000	11/12/09	8400	39,000	2/10/10	7500	34,000
			Tetrachloroethene	5/15/09	4000	27,000	7/23/09	2000 (J-)	13,000 (J-)	11/12/09	2900	20,000	2/10/10	800	5400
Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/15/09	54,000	420,000	7/23/09	61,000	470,000	11/12/09	48,000	370,000	2/10/10	52,000	400,000			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-24243 (cont.)	25	24-26	Trichloroethane[1,1,1-]	5/15/09	170,000	950,000	7/23/09	160,000	900,000	11/12/09	130,000	720,000	2/10/10	140,000	750,000
			Trichloroethene	5/15/09	49,000	260,000	7/23/09	42,000	230,000	11/12/09	37,000	200,000	2/10/10	35,000	190,000
			Trichlorofluoromethane	5/15/09	1400	7900	7/23/09	1200	7000	11/12/09	970	5400	2/10/10	1200	6800
	75	74-76	Carbon Tetrachloride	5/15/09	ND	ND	7/23/09	1200	7800	11/12/09	820	5200	2/10/10	860	5400
			Chloroform	5/15/09	6600	32,000	7/23/09	7000	34,000	11/12/09	5600	27,000	2/10/10	5800	28,000
			Cyclohexane	5/15/09	ND	ND	7/23/09	ND	ND	11/12/09	ND	ND	2/10/10	5500	19,000
			Dichlorodifluoromethane	5/15/09	580	2900	7/23/09	610	3000	11/12/09	360	1800	2/10/10	400	2000
			Dichloroethane[1,1-]	5/15/09	7800	31,000	7/23/09	7900	32,000	11/12/09	6200	25,000	2/10/10	6300	25,000
			Dichloroethane[1,2-]	5/15/09	2900	12,000	7/23/09	3000	12,000	11/12/09	2500	10,000	2/10/10	2700	11,000
			Dichloroethene[1,1-]	5/15/09	10,000	40,000	7/23/09	10,000	40,000	11/12/09	10,000	42,000	2/10/10	10,000	40,000
			Dichloropropane[1,2-]	5/15/09	24,000	110,000	7/23/09	24,000	110,000	11/12/09	20,000	94,000	2/10/10	21,000	97,000
			Methylene Chloride	5/15/09	1700	5800	7/23/09	1000	3500	11/12/09	730	2500	2/10/10	640	2200
			Tetrachloroethene	5/15/09	4600	31,000	7/23/09	3000 (J-)	20,000 (J-)	11/12/09	5000	34,000	2/10/10	4400	30,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/15/09	67,000	510,000	7/23/09	83,000	640,000	11/12/09	65,000	500,000	2/10/10	69,000	530,000
			Trichloroethane[1,1,1-]	5/15/09	250,000	1,400,000	7/23/09	290,000	1,600,000	11/12/09	230,000	1,200,000	2/10/10	220,000	1,200,000
			Trichloroethene	5/15/09	68,000	360,000	7/23/09	72,000	390,000	11/12/09	62,000	340,000	2/10/10	63,000	340,000
	Trichlorofluoromethane	5/15/09	2600	14,000	7/23/09	2600	14,000	11/12/09	1900	11,000	2/10/10	1900	11,000		
	125	124-126	Benzene	5/15/09	700	2200	7/23/09	560	1800	11/12/09	460	1500	2/10/10	370	1200
			Carbon Tetrachloride	5/15/09	1300	7900	7/23/09	1100	7100	11/12/09	820	5100	2/10/10	620	3900
			Chloroform	5/15/09	7000	34,000	7/23/09	6300	31,000	11/12/09	4800	24,000	2/10/10	4000	20,000
			Cyclohexane	5/15/09	ND	ND	7/23/09	ND	ND	11/12/09	ND	ND	2/10/10	3600	12,000
Dichlorodifluoromethane			5/15/09	ND	ND	7/23/09	540	2700	11/12/09	330	1600	2/10/10	300	1500	
Dichloroethane[1,1-]			5/15/09	6700	27,000	7/23/09	5700	23,000	11/12/09	4400	18,000	2/10/10	3800	15,000	
Dichloroethane[1,2-]			5/15/09	7700	31,000	7/23/09	6700	27,000	11/12/09	5100	21,000	2/10/10	4300	17,000	
Dichloroethene[1,1-]			5/15/09	15,000	59,000	7/23/09	12,000	48,000	11/12/09	11,000	46,000	2/10/10	9300	37,000	
Dichloropropane[1,2-]			5/15/09	21,000	98,000	7/23/09	17,000	78,000	11/12/09	14,000	67,000	2/10/10	13,000	58,000	
Ethanol	5/15/09	ND	ND	7/23/09	ND	ND	11/12/09	ND	ND	2/10/10	860	1600			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-24243 (cont.)	125	124-126	Methylene Chloride	5/15/09	16,000	54,000	7/23/09	12,000	41,000	11/12/09	8100	28,000	2/10/10	5900	21,000
			Tetrachloroethene	5/15/09	6700	45,000	7/23/09	3300 (J-)	22,000 (J-)	11/12/09	5100	35,000	2/10/10	3900	26,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/15/09	43,000	330,000	7/23/09	42,000	320,000	11/12/09	33,000	250,000	2/10/10	29,000	220,000
			Trichloroethane[1,1,1-]	5/15/09	240,000	1,300,000	7/23/09	230,000	1,300,000	11/12/09	180,000	990,000	2/10/10	140,000	790,000
			Trichloroethene	5/15/09	73,000	390,000	7/23/09	61,000	330,000	11/12/09	52,000	280,000	2/10/10	43,000	230,000
			Trichlorofluoromethane	5/15/09	3900	22,000	7/23/09	3500	20,000	11/12/09	2500	14,000	2/10/10	2100	12,000
54-24399	550 <sup>e</sup>	550-608 <sup>f</sup>	Acetone	5/12/09	31	74	8/12/09	38	91	12/7/09	ND	ND	3/2/10	ND	ND
			Butanone[2-]	5/12/09	9.7	28	8/12/09	11	34	12/7/09	ND	ND	3/2/10	ND	ND
			Carbon Tetrachloride	5/12/09	5	32	8/12/09	ND	ND	12/7/09	7.1	44	3/2/10	3.1	19
			Chloroform	5/12/09	14	69	8/12/09	2.2	11	12/7/09	30	140	3/2/10	13	64
			Dichlorodifluoromethane	5/12/09	3.6	18	8/12/09	ND	ND	12/7/09	5.6	28	3/2/10	4.4	22
			Dichloroethane[1,1-]	5/12/09	24	98	8/12/09	1.7	6.8	12/7/09	46	190	3/2/10	21	84
			Dichloroethane[1,2-]	5/12/09	8.2	33	8/12/09	0.98	4	12/7/09	20	79	3/2/10	9.8	40
			Dichloroethene[1,1-]	5/12/09	63	250	8/12/09	ND	ND	12/7/09	54	220	3/2/10	35	140
			Dichloropropane[1,2-]	5/12/09	7.5	34	8/12/09	2	9	12/7/09	19	89	3/2/10	8.6	40
			Ethanol	5/12/09	ND	ND	8/12/09	ND	ND	12/7/09	52 (J)	98 (J)	3/2/10	7.5	14
			Methylene Chloride	5/12/09	3.7	13	8/12/09	ND	ND	12/7/09	5	17	3/2/10	2.5	8.8
			Tetrachloroethene	5/12/09	68	460	8/12/09	62	420	12/7/09	130	900	3/2/10	75	510
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/12/09	65	500	8/12/09	1.2	9.5	12/7/09	100	780	3/2/10	54	410
			Trichloroethane[1,1,1-]	5/12/09	500	2700	8/12/09	45	240	12/7/09	850	4700	3/2/10	380	2100
			Trichloroethene	5/12/09	150	800	8/12/09	45	240	12/7/09	310	1700	3/2/10	160	850
Trichlorofluoromethane	5/12/09	6.8	38	8/12/09	ND	ND	12/7/09	12	67	3/2/10	6.9	39			
54-27641	32	29.5-34.5	Carbon Tetrachloride	5/13/09	ND	ND	8/17/09	ND	ND	11/3/09	650	4100	1/27/10	950	6000
			Chloroform	5/13/09	1500	7400	8/17/09	ND	ND	11/3/09	1200	6100	1/27/10	2000	10,000
			Dichlorodifluoromethane	5/13/09	1400	7000	8/17/09	ND	ND	11/3/09	750	3700	1/27/10	1600	8000
			Dichloroethane[1,1-]	5/13/09	16,000	64,000	8/17/09	12,000	48,000	11/3/09	9500	38,000	1/27/10	13,000	53,000



Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-27641 (cont.)	32	29.5-34.5	Dichloroethane[1,2-]	5/13/09	36,000	150,000	8/17/09	34,000	140,000	11/3/09	29,000	120,000	1/27/10	46,000	190,000
			Dichloroethene[1,1-]	5/13/09	4700	19,000	8/17/09	11,000	45,000	11/3/09	6800	27,000	1/27/10	11,000	44,000
			Dichloropropane[1,2-]	5/13/09	680	3200	8/17/09	ND	ND	11/3/09	710	3300	1/27/10	760	3500
			Methylene Chloride	5/13/09	3600	12,000	8/17/09	ND	ND	11/3/09	1400	4900	1/27/10	1600	5400
			Tetrachloroethene	5/13/09	34,000	230,000	8/17/09	29,000	200,000	11/3/09	31,000	210,000	1/27/10	42,000	290,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/13/09	9600	74,000	8/17/09	11,000	87,000	11/3/09	9500	72,000	1/27/10	14,000	110,000
			Trichloroethane[1,1,1-]	5/13/09	380,000	2,100,000	8/17/09	330,000	1,800,000	11/3/09	260,000	1,400,000	1/27/10	350,000	1,900,000
			Trichloroethene	5/13/09	130,000	680,000	8/17/09	120,000	620,000	11/3/09	140,000	730,000	1/27/10	220,000	1,200,000
			Trichlorofluoromethane	5/13/09	2000	11,000	8/17/09	ND	ND	11/3/09	1400	7600	1/27/10	2200	12,000
	82	79.5-84.5	Carbon Tetrachloride	5/13/09	ND	ND	8/17/09	ND	ND	11/3/09	390	2400	1/27/10	540	3400
			Chloroform	5/13/09	1500	7400	8/17/09	ND	ND	11/3/09	1200	5800	1/27/10	1400	6700
			Dichlorodifluoromethane	5/13/09	1400	7000	8/17/09	ND	ND	11/3/09	810	4000	1/27/10	1000	4900
			Dichloroethane[1,1-]	5/13/09	9700	39,000	8/17/09	9100	37,000	11/3/09	6500	26,000	1/27/10	7400	30,000
			Dichloroethane[1,2-]	5/13/09	23,000	93,000	8/17/09	24,000	95,000	11/3/09	19,000	76,000	1/27/10	22,000	90,000
			Dichloroethene[1,1-]	5/13/09	5200	21,000	8/17/09	8000	32,000	11/3/09	5800	23,000	1/27/10	6400	26,000
			Dichloropropane[1,2-]	5/13/09	850	3900	8/17/09	ND	ND	11/3/09	540	2500	1/27/10	650	3000
			Hexane	5/13/09	520	1800	8/17/09	ND	ND	11/3/09	470	1700	1/27/10	500	1800
			Methylene Chloride	5/13/09	14,000	49,000	8/17/09	11,000	37,000	11/3/09	7500	26,000	1/27/10	6700	23,000
			Tetrachloroethene	5/13/09	28,000	190,000	8/17/09	25,000	170,000	11/3/09	26,000	180,000	1/27/10	28,000	190,000
			Tetrahydrofuran	5/13/09	420	1200	8/17/09	ND	ND	11/3/09	ND	ND	1/27/10	ND	ND
Toluene	5/13/09	430	1600	8/17/09	ND	ND	11/3/09	ND	ND	1/27/10	300	1100			
Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/13/09	5400	42,000	8/17/09	6500	50,000	11/3/09	5500	42,000	1/27/10	6200	47,000			
Trichloroethane[1,1,1-]	5/13/09	230,000	1,300,000	8/17/09	240,000	1,300,000	11/3/09	180,000	1,000,000	1/27/10	200,000	1,100,000			
Trichloroethene	5/13/09	56,000	300,000	8/17/09	52,000	280,000	11/3/09	47,000	250,000	1/27/10	59,000	320,000			
Trichlorofluoromethane	5/13/09	1600	9100	8/17/09	ND	ND	11/3/09	1200	6800	1/27/10	1300	7300			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-27641 (cont.)	115	112.5–117.5	Benzene	5/13/09	220	700	8/17/09	ND	ND	11/3/09	ND	ND	1/27/10	ND	ND
			Carbon Tetrachloride	5/13/09	ND	ND	8/17/09	ND	ND	11/3/09	ND	ND	1/27/10	420	2700
			Chloroform	5/13/09	1400	7000	8/17/09	ND	ND	11/3/09	770	3800	1/27/10	1200	5900
			Dichlorodifluoromethane	5/13/09	1400	6800	8/17/09	ND	ND	11/3/09	590	2900	1/27/10	860	4300
			Dichloroethane[1,1-]	5/13/09	8700	35,000	8/17/09	7200	29,000	11/3/09	4100	16,000	1/27/10	6300	25,000
			Dichloroethane[1,2-]	5/13/09	16,000	65,000	8/17/09	14,000	59,000	11/3/09	8200	33,000	1/27/10	14,000	56,000
			Dichloroethene[1,1-]	5/13/09	5500	22,000	8/17/09	7500	30,000	11/3/09	4100	16,000	1/27/10	6200	24,000
			Dichloropropane[1,2-]	5/13/09	960	4400	8/17/09	ND	ND	11/3/09	510	2400	1/27/10	720	3300
			Hexane	5/13/09	240	850	8/17/09	ND	ND	11/3/09	ND	ND	1/27/10	ND	ND
			Methylene Chloride	5/13/09	8600	30,000	8/17/09	6400	22,000	11/3/09	3300	11,000	1/27/10	4100	14,000
			Tetrachloroethene	5/13/09	17,000	120,000	8/17/09	14,000	97,000	11/3/09	9700	66,000	1/27/10	17,000	120,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/13/09	4500	35,000	8/17/09	4600	35,000	11/3/09	3400	26,000	1/27/10	4400	34,000
			Trichloroethane[1,1,1-]	5/13/09	210,000	1,100,000	8/17/09	190,000	1,000,000	11/3/09	110,000	620,000	1/27/10	170,000	940,000
	Trichloroethene	5/13/09	47,000	250,000	8/17/09	40,000	210,000	11/3/09	25,000	140,000	1/27/10	43,000	230,000		
	Trichlorofluoromethane	5/13/09	1300	7400	8/17/09	ND	ND	11/3/09	710	4000	1/27/10	1000	5800		
	182	179.5–184.5	Carbon Tetrachloride	5/13/09	ND	ND	8/17/09	ND	ND	11/3/09	270	1700	1/27/10	300	1900
			Chloroform	5/13/09	760	3700	8/17/09	ND	ND	11/3/09	600	3000	1/27/10	630	3100
			Dichlorodifluoromethane	5/13/09	830	4100	8/17/09	ND	ND	11/3/09	560	2800	1/27/10	630	3100
			Dichloroethane[1,1-]	5/13/09	4200	17,000	8/17/09	3700	15,000	11/3/09	3100	12,000	1/27/10	3200	13,000
			Dichloroethane[1,2-]	5/13/09	2900	12,000	8/17/09	2900	12,000	11/3/09	2500	10,000	1/27/10	2700	11,000
Dichloroethene[1,1-]			5/13/09	7500	30,000	8/17/09	9200	37,000	11/3/09	6300	25,000	1/27/10	6600	26,000	
Dichloropropane[1,2-]			5/13/09	360	1700	8/17/09	ND	ND	11/3/09	310	1400	1/27/10	340	1600	
Methylene Chloride			5/13/09	6700	23,000	8/17/09	6200	21,000	11/3/09	4200	15,000	1/27/10	4000	14,000	
Tetrachloroethene			5/13/09	4100	28,000	8/17/09	3800	26,000	11/3/09	3900	27,000	1/27/10	4400	30,000	
Trichloro-1,2,2-trifluoroethane[1,1,2-]			5/13/09	3300	25,000	8/17/09	3600	27,000	11/3/09	2700	21,000	1/27/10	2900	22,000	
Trichloroethane[1,1,1-]	5/13/09	140,000	740,000	8/17/09	140,000	740,000	11/3/09	110,000	600,000	1/27/10	110,000	610,000			
Trichloroethene	5/13/09	31,000	160,000	8/17/09	28,000	150,000	11/3/09	24,000	130,000	1/27/10	26,000	140,000			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-27641 (cont.)	271	268.5–273.5	Trichlorofluoromethane	5/13/09	790	4400	8/17/09	ND	ND	11/3/09	600	3400	1/27/10	670	3700
			Carbon Tetrachloride	5/13/09	160	1000	8/17/09	100	650	11/3/09	110	710	1/27/10	150	950
			Chloroform	5/13/09	150	710	8/17/09	130	630	11/3/09	110	520	1/27/10	140	700
			Dichlorodifluoromethane	5/13/09	450	2200	8/17/09	300	1500	11/3/09	300	1500	1/27/10	420	2000
			Dichloroethane[1,1-]	5/13/09	610	2500	8/17/09	490	2000	11/3/09	440	1800	1/27/10	590	2400
			Dichloroethene[1,1-]	5/13/09	4400	17,000	8/17/09	3500	14,000	11/3/09	3300	13,000	1/27/10	4300	17,000
			Methylene Chloride	5/13/09	680	2400	8/17/09	460	1600	11/3/09	440	1500	1/27/10	530	1800
			Tetrachloroethene	5/13/09	980	6600	8/17/09	930	6300	11/3/09	850	5800	1/27/10	1000	6800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/13/09	2300	18,000	8/17/09	2200	17,000	11/3/09	1700	13,000	1/27/10	2200	17,000
			Trichloroethane[1,1,1-]	5/13/09	28,000	150,000	8/17/09	26,000	140,000	11/3/09	24,000	130,000	1/27/10	30,000	160,000
	Trichloroethene	5/13/09	8000	43,000	8/17/09	7200	39,000	11/3/09	6300	34,000	1/27/10	8300	45,000		
	Trichlorofluoromethane	5/13/09	460	2600	8/17/09	380	2100	11/3/09	350	2000	1/27/10	470	2600		
	332.5	330–335	Carbon Tetrachloride	5/13/09	19	120	8/17/09	26	160	11/3/09	21	130	1/27/10	23	140
			Chloroform	5/13/09	9.1 (J)	44 (J)	8/17/09	11	52	11/3/09	ND	ND	1/27/10	9.4	46
			Dichlorodifluoromethane	5/13/09	63	310	8/17/09	70	350	11/3/09	64	320	1/27/10	73	360
			Dichloroethane[1,1-]	5/13/09	24	96	8/17/09	27	110	11/3/09	23	93	1/27/10	29	120
			Dichloroethene[1,1-]	5/13/09	890	3500	8/17/09	720	2900	11/3/09	580	2300	1/27/10	660	2600
			Methylene Chloride	5/13/09	20	70	8/17/09	19	67	11/3/09	16	56	1/27/10	ND	ND
			Tetrachloroethene	5/13/09	95	650	8/17/09	130	860	11/3/09	100	720	1/27/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/13/09	520	4000	8/17/09	660	5100	11/3/09	470	3600	1/27/10	520	4000
Trichloroethane[1,1,1-]			5/13/09	1700	9400	8/17/09	2200	12,000	11/3/09	1700	9200	1/27/10	1900	11,000	
Trichloroethene			5/13/09	650	3500	8/17/09	800	4300	11/3/09	650	3500	1/27/10	760	4100	
Trichlorofluoromethane	5/13/09	110	630	8/17/09	130	720	11/3/09	100	580	1/27/10	110	620			
54-27642	30	27.5–32.5	Carbon Tetrachloride	5/7/09	ND	ND	7/21/09	1100	7200	11/9/09	1100	7200	1/26/10	1400	8900
			Chloroform	5/7/09	6500	32,000	7/21/09	5700	28,000	11/9/09	6400	31,000	1/26/10	8000	39,000
			Dichlorodifluoromethane	5/7/09	ND	ND	7/21/09	560	2800	11/9/09	ND	ND	1/26/10	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-27642 (cont.)	30	27.5–32.5	Dichloroethane[1,1-]	5/7/09	13,000	53,000	7/21/09	11,000	44,000	11/9/09	11,000	44,000	1/26/10	12,000	51,000
			Dichloroethane[1,2-]	5/7/09	3400	14,000	7/21/09	3600	15,000	11/9/09	5600	23,000	1/26/10	9400	38,000
			Dichloroethene[1,1-]	5/7/09	15,000	58,000	7/21/09	12,000	46,000	11/9/09	16,000	65,000	1/26/10	20,000	80,000
			Dichloropropane[1,2-]	5/7/09	21,000	96,000	7/21/09	19,000	86,000	11/9/09	20,000	92,000	1/26/10	26,000	120,000
			Ethanol	5/7/09	ND	ND	7/21/09	ND	ND	11/9/09	51,000 (J)	96,000 (J)	1/26/10	ND	ND
			Tetrachloroethene	5/7/09	7500	51,000	7/21/09	4800 (J)	32,000 (J)	11/9/09	10,000	69,000	1/26/10	12,000	84,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/7/09	200,000	1,500,000	7/21/09	180,000	1,300,000	11/9/09	200,000	1,500,000	1/26/10	280,000	2,200,000
			Trichloroethane[1,1,1-]	5/7/09	560,000	3,100,000	7/21/09	440,000	2,400,000	11/9/09	450,000	2,400,000	1/26/10	490,000	2,700,000
			Trichloroethene	5/7/09	55,000	300,000	7/21/09	53,000	280,000	11/9/09	58,000	310,000	1/26/10	79,000	420,000
	Trichlorofluoromethane	5/7/09	1900	11,000	7/21/09	1500	8600	11/9/09	1600	9300	1/26/10	2100	12,000		
	75	71.5–76.5	Benzene	5/7/09	810	2600	7/21/09	760	2400	11/9/09	710	2300	1/26/10	1400	4400
			Carbon Tetrachloride	5/7/09	1400	9100	7/21/09	1300	8500	11/9/09	1200	7600	1/26/10	2300	15,000
			Chloroform	5/7/09	8400	41,000	7/21/09	7800	38,000	11/9/09	7500	37,000	1/26/10	15,000	71,000
			Dichlorodifluoromethane	5/7/09	550	2700	7/21/09	510	2500	11/9/09	450	2200	1/26/10	860	4200
			Dichloroethane[1,1-]	5/7/09	7100	29,000	7/21/09	6600	27,000	11/9/09	6300	26,000	1/26/10	12,000	47,000
			Dichloroethane[1,2-]	5/7/09	7000	28,000	7/21/09	6000	24,000	11/9/09	6000	24,000	1/26/10	12,000	49,000
			Dichloroethene[1,1-]	5/7/09	17,000	68,000	7/21/09	14,000	57,000	11/9/09	17,000	66,000	1/26/10	33,000	130,000
			Dichloropropane[1,2-]	5/7/09	25,000	110,000	7/21/09	24,000	110,000	11/9/09	23,000	110,000	1/26/10	48,000	220,000
			Ethanol	5/7/09	ND	ND	7/21/09	ND	ND	11/9/09	9600 (J)	18,000(J)	1/26/10	ND	ND
Methylene Chloride			5/7/09	3800	13,000	7/21/09	2900	10,000	11/9/09	2400	8400	1/26/10	3700	13,000	
Tetrachloroethene	5/7/09	8300	56,000	7/21/09	5800 (J)	40,000 (J)	11/9/09	9100	62,000	1/26/10	20,000	130,000			
Tetrahydrofuran	5/7/09	12,000	34,000	7/21/09	10,000	30,000	11/9/09	12,000	37,000	1/26/10	25,000	73,000			
Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/7/09	54,000	410,000	7/21/09	55,000	420,000	11/9/09	52,000	400,000	1/26/10	100,000	780,000			
Trichloroethane[1,1,1-]	5/7/09	300,000	1,600,000	7/21/09	270,000	1,500,000	11/9/09	290,000	1,600,000	1/26/10	540,000	2,900,000			
Trichloroethene	5/7/09	73,000	390,000	7/21/09	72,000	390,000	11/9/09	68,000	360,000	1/26/10	140,000	760,000			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-27642 (cont.)	75	71.5–76.5	Trichlorofluoromethane	5/7/09	4800	27,000	7/21/09	4100	23,000	11/9/09	4000	23,000	1/26/10	7300	41,000
	116	114.5–119.5	Carbon Tetrachloride	5/7/09	1900	12,000	7/21/09	1500	9700	11/9/09	1200	7500	1/26/10	1600	10,000
			Chloroform	5/7/09	9800	48,000	7/21/09	9000	44,000	11/9/09	8300	41,000	1/26/10	9400	46,000
			Dichlorodifluoromethane	5/7/09	720	3600	7/21/09	690	3400	11/9/09	ND	ND	1/26/10	ND	ND
			Dichloroethane[1,1-]	5/7/09	12,000	49,000	7/21/09	11,000	43,000	11/9/09	9300	38,000	1/26/10	11,000	43,000
			Dichloroethane[1,2-]	5/7/09	5800	23,000	7/21/09	5300	21,000	11/9/09	5400	22,000	1/26/10	6000	24,000
			Dichloroethene[1,1-]	5/7/09	18,000	70,000	7/21/09	14,000	58,000	11/9/09	19,000	74,000	1/26/10	22,000	88,000
			Dichloropropane[1,2-]	5/7/09	40,000	180,000	7/21/09	38,000	170,000	11/9/09	34,000	160,000	1/26/10	40,000	190,000
			Ethanol	5/7/09	ND	ND	7/21/09	ND	ND	11/9/09	8700 (J)	16,000 (J)	1/26/10	ND	ND
			Methylene Chloride	5/7/09	890	3100	7/21/09	1200	4100	11/9/09	830 (J)	2900 (J)	1/26/10	ND	ND
			Tetrachloroethene	5/7/09	11,000	73,000	7/21/09	6900 (J)	46,000 (J)	11/9/09	11,000	77,000	1/26/10	14,000	93,000
			Tetrahydrofuran	5/7/09	3200	9500	7/21/09	2200	6600	11/9/09	2300	6800	1/26/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/7/09	130,000	1,000,000	7/21/09	130,000	990,000	11/9/09	120,000	940,000	1/26/10	160,000	1,300,000
			Trichloroethane[1,1,1-]	5/7/09	480,000	2,600,000	7/21/09	420,000	2,300,000	11/9/09	400,000	2,200,000	1/26/10	450,000	2,500,000
			Trichloroethene	5/7/09	86,000	460,000	7/21/09	84,000	450,000	11/9/09	78,000	420,000	1/26/10	97,000	520,000
	Trichlorofluoromethane	5/7/09	3800	21,000	7/21/09	3200	18,000	11/9/09	3000	17,000	1/26/10	3300	19,000		
	175	172.5–177.5	Benzene	5/7/09	1300	4200	7/21/09	1300	4300	11/9/09	1000	3200	1/26/10	1200	3800
			Carbon Tetrachloride	5/7/09	1400	8900	7/21/09	1300	8000	11/9/09	980	6100	1/26/10	1100	7100
			Chlorobenzene	5/7/09	320	1500	7/21/09	370	1700	11/9/09	ND	ND	1/26/10	ND	ND
			Chloroform	5/7/09	6500	32,000	7/21/09	6400	31,000	11/9/09	5100	25,000	1/26/10	6000	29,000
Dichlorodifluoromethane			5/7/09	660	3300	7/21/09	620	3000	11/9/09	460	2300	1/26/10	540	2700	
Dichloroethane[1,1-]			5/7/09	3400	14,000	7/21/09	3400	14,000	11/9/09	2600	11,000	1/26/10	3000	12,000	
Dichloroethane[1,2-]			5/7/09	4400	18,000	7/21/09	4300	17,000	11/9/09	3600	15,000	1/26/10	4400	18,000	
Dichloroethene[1,1-]			5/7/09	18,000	72,000	7/21/09	17,000	66,000	11/9/09	15,000	58,000	1/26/10	17,000	69,000	
Dichloropropane[1,2-]			5/7/09	8600	40,000	7/21/09	8900	41,000	11/9/09	6900	32,000	1/26/10	8700	40,000	
Hexane			5/7/09	720	2500	7/21/09	670	2400	11/9/09	580	2000	1/26/10	570	2000	
Methylene Chloride	5/7/09	27,000	94,000	7/21/09	25,000	87,000	11/9/09	19,000	67,000	1/26/10	19,000	68,000			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-27642 (cont.)	175	172.5–177.5	Tetrachloroethene	5/7/09	5800	39,000	7/21/09	4000 (J)	27,000 (J)	11/9/09	5400	37,000	1/26/10	6400	43,000
			Toluene	5/7/09	5300	20,000	7/21/09	5500	21,000	11/9/09	3900	15,000	1/26/10	4400	17,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/7/09	33,000	250,000	7/21/09	34,000	260,000	11/9/09	25,000	190,000	1/26/10	30,000	230,000
			Trichloroethane[1,1,1-]	5/7/09	180,000	980,000	7/21/09	180,000	960,000	11/9/09	150,000	830,000	1/26/10	170,000	930,000
			Trichloroethene	5/7/09	56,000	300,000	7/21/09	58,000	310,000	11/9/09	45,000	240,000	1/26/10	55,000	300,000
			Trichlorofluoromethane	5/7/09	5900	33,000	7/21/09	5300	30,000	11/9/09	4400	25,000	1/26/10	5000	28,000
			Xylene[1,2-]	5/7/09	760	3300	7/21/09	910	4000	11/9/09	650	2800	1/26/10	720	3200
			Xylene[1,3-]+Xylene[1,4-]	5/7/09	520	2200	7/21/09	530	2300	11/9/09	360	1600	1/26/10	ND	ND
	275	272.5–277.5	Benzene	5/7/09	760	2400	7/21/09	700	2200	11/9/09	610	1900	1/26/10	760	2400
			Carbon Tetrachloride	5/7/09	880	5500	7/21/09	720	4500	11/9/09	670	4200	1/26/10	790	5000
			Chloroform	5/7/09	2500	12,000	7/21/09	2200	11,000	11/9/09	2000	9600	1/26/10	2500	12,000
			Dichlorodifluoromethane	5/7/09	650	3200	7/21/09	540	2700	11/9/09	470	2300	1/26/10	580	2900
			Dichloroethane[1,1-]	5/7/09	920	3700	7/21/09	840	3400	11/9/09	740	3000	1/26/10	900	3700
			Dichloroethane[1,2-]	5/7/09	150	630	7/21/09	150	590	11/9/09	140	570	1/26/10	230	920
			Dichloroethene[1,1-]	5/7/09	16,000	63,000	7/21/09	14,000	54,000	11/9/09	13,000	51,000	1/26/10	16,000	62,000
			Dichloropropane[1,2-]	5/7/09	820	3800	7/21/09	780	3600	11/9/09	660	3000	1/26/10	950	4400
			Hexane	5/7/09	790	2800	7/21/09	700	2500	11/9/09	630	2200	1/26/10	730	2600
			Methylene Chloride	5/7/09	10,000	35,000	7/21/09	8600	30,000	11/9/09	7400	26,000	1/26/10	8100	28,000
			Tetrachloroethene	5/7/09	2200	15,000	7/21/09	1500 (J)	10,000 (J)	11/9/09	2100	14,000	1/26/10	2600	17,000
			Toluene	5/7/09	1200	4400	7/21/09	1000	3900	11/9/09	790	3000	1/26/10	910	3400
Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/7/09	22,000	170,000	7/21/09	21,000	160,000	11/9/09	17,000	130,000	1/26/10	21,000	160,000			
Trichloroethane[1,1,1-]	5/7/09	67,000	360,000	7/21/09	61,000	330,000	11/9/09	59,000	320,000	1/26/10	70,000	380,000			
Trichloroethene	5/7/09	27,000	150,000	7/21/09	26,000	140,000	11/9/09	23,000	120,000	1/26/10	29,000	150,000			
Trichlorofluoromethane	5/7/09	3900	22,000	7/21/09	3400	19,000	11/9/09	3200	18,000	1/26/10	3800	21,000			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-27642 (cont.)	338	335.5–340.5	Benzene	5/7/09	170	550	7/21/09	180	570	11/9/09	150	490	1/26/10	190	600
			Carbon Tetrachloride	5/7/09	270	1700	7/21/09	270	1700	11/9/09	250	1600	1/26/10	290	1800
			Chloroform	5/7/09	300	1500	7/21/09	320	1600	11/9/09	290	1400	1/26/10	330	1600
			Dichlorodifluoromethane	5/7/09	280	1400	7/21/09	260	1300	11/9/09	230	1100	1/26/10	270	1300
			Dichloroethane[1,1-]	5/7/09	110	450	7/21/09	120	480	11/9/09	100	430	1/26/10	120	470
			Dichloroethene[1,1-]	5/7/09	5800	23,000	7/21/09	5500	22,000	11/9/09	5100	20,000	1/26/10	5800	23,000
			Dichloropropane[1,2-]	5/7/09	28	130	7/21/09	ND	ND	11/9/09	30	140	1/26/10	34	160
			Hexane	5/7/09	240	850	7/21/09	270	960	11/9/09	220	760	1/26/10	190	660
			Methylene Chloride	5/7/09	990	3400	7/21/09	940	3300	11/9/09	880	3000	1/26/10	870	3000
			Tetrachloroethene	5/7/09	380	2600	7/21/09	270 (J)	1800 (J)	11/9/09	380	2600	1/26/10	430	2900
			Toluene	5/7/09	100	380	7/21/09	110	430	11/9/09	79	300	1/26/10	70	260
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/7/09	5700	44,000	7/21/09	6100	47,000	11/9/09	5000	39,000	1/26/10	5900	45,000
			Trichloroethane[1,1,1-]	5/7/09	12,000	67,000	7/21/09	12,000	68,000	11/9/09	12,000	67,000	1/26/10	13,000	71,000
			Trichloroethene	5/7/09	5700	31,000	7/21/09	6000	32,000	11/9/09	5400	29,000	1/26/10	6400	34,000
Trichlorofluoromethane	5/7/09	920	5200	7/21/09	910	5100	11/9/09	870	4900	1/26/10	980	5500			
54-27643	30	27.5–32.5	Carbon Tetrachloride	5/15/09	460	2900	7/23/09	420	2600	11/10/09	300	1900	2/3/10	400	2500
			Chloroform	5/15/09	2200	11,000	7/23/09	2200	11,000	11/10/09	1800	8800	2/3/10	2300	11,000
			Dichlorodifluoromethane	5/15/09	ND	ND	7/23/09	140	670	11/10/09	88	440	2/3/10	120	580
			Dichloroethane[1,1-]	5/15/09	1600	6300	7/23/09	1500	6100	11/10/09	1200	4900	2/3/10	1500	6000
			Dichloroethane[1,2-]	5/15/09	1000	4200	7/23/09	1000	4200	11/10/09	900	3700	2/3/10	1200	4700
			Dichloroethene[1,1-]	5/15/09	2000	7800	7/23/09	2000	8000	11/10/09	2200	8800	2/3/10	2400	9500
			Dichloropropane[1,2-]	5/15/09	5800	27,000	7/23/09	5600	26,000	11/10/09	4800	22,000	2/3/10	6300	29,000
			Tetrachloroethene	5/15/09	3100	21,000	7/23/09	2200 (J-)	15,000 (J-)	11/10/09	2800	19,000	2/3/10	3400	23,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/15/09	14,000	110,000	7/23/09	15,000	120,000	11/10/09	13,000	97,000	2/3/10	16,000	120,000
			Trichloroethane[1,1,1-]	5/15/09	71,000	390,000	7/23/09	78,000	430,000	11/10/09	62,000	340,000	2/3/10	73,000	400,000
Trichloroethane[1,1,2-]	5/15/09	ND	ND	7/23/09	ND	ND	11/10/09	ND	ND	2/3/10	160	880			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-27643 (cont.)	74	71.5–76.5	Trichloroethene	5/15/09	14,000	74,000	7/23/09	14,000	74,000	11/10/09	11,000	60,000	2/3/10	15,000	79,000
			Trichlorofluoromethane	5/15/09	1100	6400	7/23/09	1100	6400	11/10/09	850	4800	2/3/10	1000	5900
			Benzene	5/15/09	320	1000	7/23/09	280	900	11/10/09	210	680	2/3/10	260	840
			Carbon Tetrachloride	5/15/09	660	4200	7/23/09	660	4100	11/10/09	400	2600	2/3/10	490	3100
			Chlorobenzene	5/15/09	ND	ND	7/23/09	230	1000	11/10/09	160	720	2/3/10	180	840
			Chloroform	5/15/09	3600	18,000	7/23/09	3500	17,000	11/10/09	2500	12,000	2/3/10	3100	15,000
			Dichlorodifluoromethane	5/15/09	200	1000	7/23/09	220	1100	11/10/09	ND	ND	2/3/10	170	860
			Dichloroethane[1,1,-]	5/15/09	2300	9200	7/23/09	2100	8400	11/10/09	1500	6100	2/3/10	1800	7200
			Dichloroethane[1,2,-]	5/15/09	2700	11,000	7/23/09	2600	10,000	11/10/09	1900	7700	2/3/10	2300	9400
			Dichloroethene[1,1,-]	5/15/09	4400	17,000	7/23/09	3900	15,000	11/10/09	3300	13,000	2/3/10	3600	14,000
			Dichloropropane[1,2,-]	5/15/09	8700	40,000	7/23/09	7900	36,000	11/10/09	6000	28,000	2/3/10	7600	35,000
			Ethanol	5/15/09	ND	ND	7/23/09	ND	ND	11/10/09	ND	ND	2/3/10	1100	2100
			Methylene Chloride	5/15/09	2500	8500	7/23/09	1900	6700	11/10/09	1300	4500	2/3/10	1300	4700
			Tetrachloroethene	5/15/09	4400	30,000	7/23/09	3000 (J-)	20,000 (J-)	11/10/09	3400	23,000	2/3/10	3900	27,000
			Tetrahydrofuran	5/15/09	8400	25,000	7/23/09	6500	19,000	11/10/09	5600	16,000	2/3/10	6700	20,000
			Toluene	5/15/09	460	1700	7/23/09	430	1600	11/10/09	270	1000	2/3/10	340	1300
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/15/09	15,000	120,000	7/23/09	16,000	120,000	11/10/09	12,000	92,000	2/3/10	14,000	110,000
			Trichloroethane[1,1,1,-]	5/15/09	100,000	570,000	7/23/09	110,000	590,000	11/10/09	79,000	430,000	2/3/10	91,000	500,000
			Trichloroethane[1,1,2,-]	5/15/09	ND	ND	7/23/09	ND	ND	11/10/09	ND	ND	2/3/10	190	1000
			Trichloroethene	5/15/09	23,000	120,000	7/23/09	22,000	120,000	11/10/09	16,000	88,000	2/3/10	20,000	110,000
Trichlorofluoromethane	5/15/09	2200	13,000	7/23/09	2200	12,000	11/10/09	1500	8400	2/3/10	1700	9500			
Xylene[1,2,-]	5/15/09	410	1800	7/23/09	410	1800	11/10/09	260	1200	2/3/10	270	1200			
54-27643 (cont.)	117	114.5–119.5	Benzene	5/15/09	540	1700	7/23/09	490	1600	11/10/09	410	1300	2/3/10	380	1200
			Carbon Tetrachloride	5/15/09	690	4300	7/23/09	720	4500	11/10/09	460	2900	2/3/10	460	2900
			Chlorobenzene	5/15/09	ND	ND	7/23/09	240	1100	11/10/09	210	960	2/3/10	180	810
			Chloroform	5/15/09	4300	21,000	7/23/09	4100	20,000	11/10/09	3200	16,000	2/3/10	3100	15,000
			Dichlorodifluoromethane	5/15/09	300	1500	7/23/09	290	1400	11/10/09	210	1000	2/3/10	200	970



Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-27643 (cont.)	117	114.5–119.5	Dichloroethane[1,1-]	5/15/09	2200	9100	7/23/09	2000	8200	11/10/09	1600	6500	2/3/10	1500	6100
			Dichloroethane[1,2-]	5/15/09	3400	14,000	7/23/09	3200	13,000	11/10/09	2600	10,000	2/3/10	2500	10,000
			Dichloroethene[1,1-]	5/15/09	6800	27,000	7/23/09	6000	24,000	11/10/09	5600	22,000	2/3/10	4600	18,000
			Dichloropropane[1,2-]	5/15/09	8200	38,000	7/23/09	7200	33,000	11/10/09	6100	28,000	2/3/10	5800	27,000
			Ethanol	5/15/09	ND	ND	7/23/09	ND	ND	11/10/09	ND	ND	2/3/10	1400	2700
			Methylene Chloride	5/15/09	6900	24,000	7/23/09	5500	19,000	11/10/09	4100	14,000	2/3/10	3300	11,000
			Tetrachloroethene	5/15/09	4100	28,000	7/23/09	2500 (J-)	17,000 (J-)	11/10/09	3400	23,000	2/3/10	3100	21,000
			Tetrahydrofuran	5/15/09	900	2600	7/23/09	710	2100	11/10/09	660	1900	2/3/10	600	1800
			Toluene	5/15/09	1200	4400	7/23/09	1000	4000	11/10/09	770	2900	2/3/10	700	2600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/15/09	16,000	120,000	7/23/09	16,000	120,000	11/10/09	13,000	98,000	2/3/10	12,000	92,000
			Trichloroethane[1,1,1-]	5/15/09	110,000	590,000	7/23/09	110,000	600,000	11/10/09	87,000	480,000	2/3/10	80,000	440,000
			Trichloroethane[1,1,2-]	5/15/09	ND	ND	7/23/09	ND	ND	11/10/09	ND	ND	2/3/10	130	720
			Trichloroethene	5/15/09	28,000	150,000	7/23/09	26,000	140,000	11/10/09	21,000	110,000	2/3/10	20,000	110,000
			Trichlorofluoromethane	5/15/09	3200	18,000	7/23/09	3000	17,000	11/10/09	2300	13,000	2/3/10	2000	11,000
			Xylene[1,2-]	5/15/09	530	2300	7/23/09	580	2500	11/10/09	460	2000	2/3/10	340	1500
167	164.5–169.5	Benzene	5/15/09	810	2600	7/23/09	770	2400	11/10/09	630	2000	2/3/10	720	2300	
		Carbon Tetrachloride	5/15/09	730	4600	7/23/09	800	5000	11/10/09	600	3800	2/3/10	680	4200	
		Chlorobenzene	5/15/09	ND	ND	7/23/09	200	950	11/10/09	140	670	2/3/10	170	800	
		Chloroform	5/15/09	4500	22,000	7/23/09	4700	23,000	11/10/09	3600	18,000	2/3/10	4000	20,000	
		Dichlorodifluoromethane	5/15/09	410	2000	7/23/09	430	2100	11/10/09	330	1600	2/3/10	330	1600	
		Dichloroethane[1,1-]	5/15/09	1800	7300	7/23/09	1800	7200	11/10/09	1400	5700	2/3/10	1500	6000	
		Dichloroethane[1,2-]	5/15/09	2500	10,000	7/23/09	2700	11,000	11/10/09	2100	8700	2/3/10	2400	9800	
		Dichloroethene[1,1-]	5/15/09	9700	38,000	7/23/09	9600	38,000	11/10/09	8400	34,000	2/3/10	8300	33,000	
		Dichloropropane[1,2-]	5/15/09	5100	24,000	7/23/09	5200	24,000	11/10/09	4100	19,000	2/3/10	4800	22,000	
		Ethanol	5/15/09	ND	ND	7/23/09	ND	ND	11/10/09	ND	ND	2/3/10	760	1400	
		Hexane	5/15/09	360	1200	7/23/09	350	1200	11/10/09	270	950	2/3/10	270	940	
Methanol	5/15/09	ND	ND	7/23/09	29,000	38,000	11/10/09	ND	ND	2/3/10	ND	ND			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-27643 (cont.)	167	164.5–169.5	Methylene Chloride	5/15/09	14,000	48,000	7/23/09	13,000	44,000	11/10/09	9300	32,000	2/3/10	8400	29,000
			Tetrachloroethene	5/15/09	3100	21,000	7/23/09	3500	24,000	11/10/09	2500	17,000	2/3/10	3100	21,000
			Toluene	5/15/09	1900	7100	7/23/09	2000	7700	11/10/09	1300	5000	2/3/10	1500	5600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/15/09	20,000	150,000	7/23/09	20,000	160,000	11/10/09	15,000	120,000	2/3/10	16,000	120,000
			Trichloroethane[1,1,1-]	5/15/09	95,000	520,000	7/23/09	100,000	560,000	11/10/09	84,000	460,000	2/3/10	90,000	490,000
			Trichloroethene	5/15/09	28,000	150,000	7/23/09	30,000	160,000	11/10/09	23,000	120,000	2/3/10	28,000	150,000
			Trichlorofluoromethane	5/15/09	3900	22,000	7/23/09	4000	22,000	11/10/09	3100	18,000	2/3/10	3200	18,000
			Xylene[1,2-]	5/15/09	490	2100	7/23/09	540	2400	11/10/09	300	1300	2/3/10	380	1600
	275	272.5–277.5	Benzene	5/15/09	470	1500	7/23/09	500	1600	11/10/09	440	1400	2/3/10	470	1500
			Carbon Tetrachloride	5/15/09	530	3300	7/23/09	590	3700	11/10/09	480	3000	2/3/10	530	3400
			Chloroform	5/15/09	1900	9200	7/23/09	2100	10,000	11/10/09	1700	8400	2/3/10	1900	9100
			Dichlorodifluoromethane	5/15/09	440	2200	7/23/09	460	2300	11/10/09	370	1800	2/3/10	380	1900
			Dichloroethane[1,1-]	5/15/09	580	2400	7/23/09	590	2400	11/10/09	520	2100	2/3/10	540	2200
			Dichloroethane[1,2-]	5/15/09	100	420	7/23/09	120	470	11/10/09	100	420	2/3/10	110	450
			Dichloroethene[1,1-]	5/15/09	10,000	40,000	7/23/09	11,000	42,000	11/10/09	9000	36,000	2/3/10	9000	36,000
			Dichloropropane[1,2-]	5/15/09	580	2700	7/23/09	600	2800	11/10/09	540	2500	2/3/10	590	2700
			Hexane	5/15/09	420	1500	7/23/09	440	1500	11/10/09	370	1300	2/3/10	360	1200
			Methanol	5/15/09	ND	ND	7/23/09	10,000	13,000	11/10/09	ND	ND	2/3/10	ND	ND
			Methylene Chloride	5/15/09	7200	25,000	7/23/09	7200	25,000	11/10/09	5800	20,000	2/3/10	5400	19,000
			Tetrachloroethene	5/15/09	1300	9000	7/23/09	1600	11,000	11/10/09	1400	9200	2/3/10	1400	9800
			Toluene	5/15/09	470	1800	7/23/09	580	2200	11/10/09	400	1500	2/3/10	400	1500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/15/09	14,000	110,000	7/23/09	16,000	120,000	11/10/09	13,000	100,000	2/3/10	13,000	100,000
			Trichloroethane[1,1,1-]	5/15/09	40,000	220,000	7/23/09	46,000	250,000	11/10/09	40,000	220,000	2/3/10	41,000	220,000
			Trichloroethene	5/15/09	16,000	84,000	7/23/09	18,000	94,000	11/10/09	15,000	79,000	2/3/10	16,000	89,000
Trichlorofluoromethane	5/15/09	2600	14,000	7/23/09	2800	16,000	11/10/09	2400	14,000	2/3/10	2400	14,000			

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-27643 (cont.)	354	351.5–356.5	Benzene	5/15/09	95	300	7/23/09	150	470	11/10/09	140	460	2/3/10	150	480
			Carbon Tetrachloride	5/15/09	130	830	7/23/09	220	1400	11/10/09	210	1300	2/3/10	210	1300
			Chloroform	5/15/09	150	720	7/23/09	240	1200	11/10/09	230	1100	2/3/10	240	1200
			Dichlorodifluoromethane	5/15/09	ND	ND	7/23/09	240	1200	11/10/09	210	1000	2/3/10	210	1000
			Dichloroethane[1,1,-]	5/15/09	50	200	7/23/09	80	320	11/10/09	76	300	2/3/10	77	310
			Dichloroethene[1,1,-]	5/15/09	2700	11,000	7/23/09	4400	17,000	11/10/09	4200	17,000	2/3/10	4000	16,000
			Dichloropropane[1,2,-]	5/15/09	10	46	7/23/09	15	70	11/10/09	16	72	2/3/10	18	82
			Ethanol	5/15/09	100 (J)	190 (J)	7/23/09	ND	ND	11/10/09	ND	ND	2/3/10	ND	ND
			Hexane	5/15/09	130	470	7/23/09	200	700	11/10/09	190	680	2/3/10	180	630
			Methylene Chloride	5/15/09	420	1400	7/23/09	630	2200	11/10/09	580	2000	2/3/10	540	1900
			Tetrachloroethene	5/15/09	190	1300	7/23/09	330	2300	11/10/09	340	2300	2/3/10	320	2200
			Toluene	5/15/09	46	170	7/23/09	63	240	11/10/09	60	220	2/3/10	55	210
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	5/15/09	3000	23,000	7/23/09	5200	40,000	11/10/09	4500	35,000	2/3/10	4700	36,000
			Trichloroethane[1,1,1,-]	5/15/09	5500	30,000	7/23/09	9500	52,000	11/10/09	9300	51,000	2/3/10	9200	50,000
Trichloroethene	5/15/09	2400	13,000	7/23/09	4000	21,000	11/10/09	3800	20,000	2/3/10	4100	22,000			
Trichlorofluoromethane	5/15/09	500	2800	7/23/09	810	4600	11/10/09	790	4400	2/3/10	770	4300			
54-610786	25	22.5–27.5	Carbon Tetrachloride	NS	NS	NS	NS	NS	NS	12/22/09	340	2200	2/5/10	200	1200
			Chloroform	NS	NS	NS	NS	NS	NS	12/22/09	2300	11,000	2/5/10	1400	7100
			Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	12/22/09	ND	ND	2/5/10	94	470
			Dichloroethane[1,1,-]	NS	NS	NS	NS	NS	NS	12/22/09	2000	8200	2/5/10	1300	5100
			Dichloroethane[1,2,-]	NS	NS	NS	NS	NS	NS	12/22/09	1100	4400	2/5/10	990	4000
			Dichloroethene[1,1,-]	NS	NS	NS	NS	NS	NS	12/22/09	2700	10,000	2/5/10	1700	6700
			Dichloropropane[1,2,-]	NS	NS	NS	NS	NS	NS	12/22/09	5800	27,000	2/5/10	4200	19,000
			Tetrachloroethene	NS	NS	NS	NS	NS	NS	12/22/09	4400	30,000	2/5/10	2300	16,000
			Tetrahydrofuran	NS	NS	NS	NS	NS	NS	12/22/09	430	1200	2/5/10	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2,-]	NS	NS	NS	NS	NS	NS	12/22/09	33,000	250,000	2/5/10	19,000	150,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-610786 (cont.)	25	22.5–27.5	Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	12/22/09	91,000	490,000	2/5/10	50,000	270,000
			Trichloroethene	NS	NS	NS	NS	NS	NS	12/22/09	18,000	97,000	2/5/10	10,000	54,000
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	12/22/09	900	5000	2/5/10	530	3000
	100	97.5–102.5	Benzene	NS	NS	NS	NS	NS	NS	12/22/09	400	1300	2/5/10	360	1200
			Carbon Tetrachloride	NS	NS	NS	NS	NS	NS	12/22/09	540	3400	2/5/10	510	3200
			Chlorobenzene	NS	NS	NS	NS	NS	NS	12/22/09	350	1600	2/5/10	330	1500
			Chloroform	NS	NS	NS	NS	NS	NS	12/22/09	3400	17,000	2/5/10	3200	16,000
			Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	12/22/09	ND	ND	2/5/10	200	1000
			Dichloroethane[1,1-]	NS	NS	NS	NS	NS	NS	12/22/09	2200	8800	2/5/10	2000	8200
			Dichloroethane[1,2-]	NS	NS	NS	NS	NS	NS	12/22/09	2800	11,000	2/5/10	2600	11,000
			Dichloroethene[1,1-]	NS	NS	NS	NS	NS	NS	12/22/09	5100	20,000	2/5/10	4700	18,000
			Dichloropropane[1,2-]	NS	NS	NS	NS	NS	NS	12/22/09	7900	36,000	2/5/10	7500	34,000
			Methylene Chloride	NS	NS	NS	NS	NS	NS	12/22/09	4800	17,000	2/5/10	3900	14,000
			Tetrachloroethene	NS	NS	NS	NS	NS	NS	12/22/09	4700	32,000	2/5/10	4400	30,000
			Tetrahydrofuran	NS	NS	NS	NS	NS	NS	12/22/09	9400	28,000	2/5/10	10,000	30,000
			Toluene	NS	NS	NS	NS	NS	NS	12/22/09	950	3600	2/5/10	830	3100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	NS	NS	NS	12/22/09	17,000	130,000	2/5/10	17,000	130,000
			Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	12/22/09	110,000	590,000	2/5/10	99,000	540,000
			Trichloroethene	NS	NS	NS	NS	NS	NS	12/22/09	26,000	140,000	2/5/10	25,000	130,000
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	12/22/09	2000	12,000	2/5/10	1900	11,000
			Xylene[1,2-]	NS	NS	NS	NS	NS	NS	12/22/09	540	2400	2/5/10	480	2100
			Xylene[1,3-]+Xylene[1,4-]	NS	NS	NS	NS	NS	NS	12/22/09	250	1100	2/5/10	160	710
			118.5	116–121	Benzene	NS	NS	NS	NS	NS	NS	12/22/09	530	1700	2/5/10
	Carbon Tetrachloride	NS			NS	NS	NS	NS	NS	12/22/09	630	4000	2/5/10	610	3800
	Chlorobenzene	NS			NS	NS	NS	NS	NS	12/22/09	340	1500	2/5/10	320	1500
	Chloroform	NS			NS	NS	NS	NS	NS	12/22/09	4000	20,000	2/5/10	3700	18,000
	Dichlorodifluoromethane	NS			NS	NS	NS	NS	NS	12/22/09	240	1200	2/5/10	240	1200

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY09			4th Quarter FY09			1st Quarter FY10			2nd Quarter FY10		
				Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )	Date	Result (ppbv)	Result (µg/m <sup>3</sup> )
54-610786 (cont.)	118.5	116-121	Dichloroethane[1,1-]	NS	NS	NS	NS	NS	NS	12/22/09	2300	9300	2/5/10	2100	8400
			Dichloroethane[1,2-]	NS	NS	NS	NS	NS	NS	12/22/09	3300	13,000	2/5/10	3100	12,000
			Dichloroethene[1,1-]	NS	NS	NS	NS	NS	NS	12/22/09	6700	26,000	2/5/10	6200	24,000
			Dichloropropane[1,2-]	NS	NS	NS	NS	NS	NS	12/22/09	7900	36,000	2/5/10	7600	35,000
			Methylene Chloride	NS	NS	NS	NS	NS	NS	12/22/09	7400	26,000	2/5/10	5900	20,000
			Tetrachloroethene	NS	NS	NS	NS	NS	NS	12/22/09	4500	30,000	2/5/10	4200	28,000
			Tetrahydrofuran	NS	NS	NS	NS	NS	NS	12/22/09	4400	13,000	2/5/10	4400	13,000
			Toluene	NS	NS	NS	NS	NS	NS	12/22/09	1200	4300	2/5/10	1000	3800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	NS	NS	NS	12/22/09	18,000	140,000	2/5/10	17,000	130,000
			Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	12/22/09	110,000	620,000	2/5/10	100,000	570,000
			Trichloroethene	NS	NS	NS	NS	NS	NS	12/22/09	30,000	160,000	2/5/10	28,000	150,000
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	12/22/09	2700	15,000	2/5/10	2400	13,000
Xylene[1,2-]	NS	NS	NS	NS	NS	NS	12/22/09	540	2400	2/5/10	490	2100			

Note: See Appendix A for data qualifier definitions.

<sup>a</sup> ND = Nondetect.

<sup>b</sup> NS = Not sampled.

<sup>c</sup> Data not included in 4th quarter report.

<sup>d</sup> Partially blocked port. Results may not be representative of sample depth.

<sup>e</sup> Open borehole.

<sup>f</sup> Packer sample interval.

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

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	3rd Quarter FY09		4th Quarter FY09		1st Quarter FY10		2nd Quarter FY10	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02001	40	37.5–42.5	5/12/09	972.073	8/19/09	6007.46	11/2/09	ND <sup>a</sup>	2/1/10	518.773
	80	77.5–82.5	5/12/09	632.496	8/19/09	21,279.9	11/2/09	ND	2/2/10	2160.6
	120	117.5–122.5	5/12/09	636.843	8/19/09	5329.83	11/2/09	ND	2/2/10	501.919
	140	137.5–142.5	5/12/09	713.915	8/19/09	11,290.3	11/2/09	ND	2/1/10	923.222
54-02002	40	37.5–42.5	5/28/09	1310.75	7/29/09	944.114	12/2/09	53,104.3	2/5/10	2306.14
	100	97.5–102.5	5/28/09	1986.34	7/29/09	1935.91	12/2/09	10,029.5	2/5/10	2654.9
	120	117.5–122.5	NS <sup>b</sup>	NS	7/29/09	1084.95	12/2/09	2520.8	2/5/10	2635.22
	140	137.5–142.5	5/28/09	8946.61	NS	NS	NS	NS	NS	NS
	180	177.5–182.5	5/28/09	1741.88	7/29/09	1015.22	12/2/09	3895.06	2/5/10	1994.63
54-02016	31	28.5–33.5	5/14/09	920.61	7/24/09	428.182	11/18/09	ND	1/27/10	1495.92
	82	79.5–84.5	5/15/09	ND	7/23/09	ND	11/18/09	ND	1/27/10	1347.53
54-02021	20	10–30	5/12/09	3185.3	7/28/09	152.519 (R)	11/13/09	1484.39	2/3/10	ND
	100	90–110	5/12/09	ND	7/28/09	276.255 (R)	11/16/09	718.687	2/3/10	ND
	120	110–130	NS	NS	NS	NS	11/16/09	518.181	NS	NS
	140	130–150	5/12/09	1119.82	7/28/09	68.5902 (R)	11/16/09	3477.03	2/3/10	ND
	160	150–170	5/12/09	ND	7/29/09	ND	NS	NS	2/3/10	ND
54-02022	40	37.5–42.5	5/11/09	2103.29	7/28/09	151.988 (R)	10/29/09	573.236	2/1/10	ND
	80	77.5–82.5	5/11/09	15,257.5	7/28/09	131.541 (R)	10/29/09	502.087	2/1/10	ND
	120	117.5–122.5	5/11/09	876.43	7/28/09	3.15289 (R)	10/29/09	537.223	2/1/10	ND
	140	137.5–142.5	5/11/09	409.275	7/28/09	111.061 (R)	10/29/09	580.684	2/1/10	ND
54-02023	40	30–50	6/2/09	ND	8/5/09	ND	12/9/09	1801.75	2/11/10	696.266
	100	90–110	6/2/09	ND	8/5/09	21,345.2 (J)	12/14/09	2004.19	2/11/10	ND
	120	110–130	6/2/09	308.807	8/5/09	ND <sup>c</sup>	NS	NS	NS	NS
	140	130–149	NS	NS	NS	NS	12/14/09	ND	2/11/10	ND
	159	149–169	6/2/09	ND	8/5/09	ND	12/14/09	1657.4	2/11/10	ND

**Table 5.0-2 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	3rd Quarter FY09		4th Quarter FY09		1st Quarter FY10		2nd Quarter FY10	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02024	40	30–50	5/29/09	ND	8/3/09	593.346	12/10/09	431,811	2/16/10	1290.61
	100	90–110	5/29/09	ND	8/3/09	ND	12/10/09	2155.6	2/16/10	602.412
	140	130–150	5/29/09	1941	8/3/09	344.746	12/10/09	2404.63	2/16/10	2257.46
	160	150–170	5/29/09	ND	8/3/09	1702.42	12/10/09	6182.1	2/16/10	499.175
54-02025	20	20	5/28/09	ND	7/31/09	ND	12/4/09	19,363.5	2/4/10	718.981
	100	100	5/28/09	ND	7/31/09	ND	12/4/09	6525.95	2/4/10	386.349
	160	160	5/29/09	ND	7/31/09	7169.76	12/4/09	1374.47	2/4/10	1229.59
54-02026	20	20	6/1/09	ND	8/4/09	ND	11/24/09	ND	2/9/10	558.096
	100	100	6/1/09	ND	8/3/09	ND	11/24/09	ND	2/9/10	323.373
	160	160	6/1/09	641.355	8/3/09	ND	11/24/09	ND	2/9/10	1045.22
54-02027	20	20	5/29/09	ND	7/31/09	554.172	12/9/09	ND	2/17/10	1105.42
	100	100	5/29/09	ND	7/31/09	999.626	12/9/09	1418.36	2/17/10	ND
	200	200	5/29/09	ND	7/31/09	350.176	12/9/09	2186.92	2/17/10	690.591
54-02028	20	20	6/1/09	ND	8/5/09	ND	12/11/09	ND	2/12/10	1024.88
	100	100	6/1/09	35,760.7	8/5/09	35,187.7	12/11/09	ND	2/12/10	ND
	160	160	6/1/09	ND	8/5/09	ND	12/11/09	ND	2/12/10	ND
54-02031	20	20	5/13/09	ND	8/18/09	ND	11/3/09	ND	2/4/10	ND
	100	100	5/13/09	ND	8/18/09	ND	11/3/09	ND	2/4/10	ND
	160	160	5/13/09	ND	8/18/09	ND	11/9/09	55,622.9	2/4/10	ND
	260	260	5/13/09	ND	8/18/09	627.913	11/9/09	ND	2/4/10	ND
54-02034	20	20	5/5/09	29,077.6	7/27/09	0 (R)	10/28/09	55,237.7	2/2/10	ND
	60	60	5/5/09	831.685	7/27/09	429.269 (R)	10/28/09	14,105.2	2/2/10	ND
	160	160	5/5/09	8207.77	7/27/09	60.4133 (R)	10/28/09	ND	2/2/10	561.67
	260	260	5/5/09	119,069	7/27/09	-21.8644 (R)	10/28/09	690.262	2/2/10	738.046
	300	300	5/5/09	2621.76	7/27/09	455.968 (R)	10/28/09	885.114	2/3/10	ND

**Table 5.0-2 (continued)**

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	3rd Quarter FY09		4th Quarter FY09		1st Quarter FY10		2nd Quarter FY10	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02089	31	31	5/15/09	16,640.1	7/22/09	488.43	11/19/09	4965.04	1/29/10	1616.78
	46	46	5/15/09	4875.88	7/21/09	7034.8	11/19/09	26,658.2	1/29/10	4228.19
54-24238	64	63–65	5/18/09	3103.87	7/22/09	1867.1	11/23/09	2.40836 (J)	2/1/10	5634.58
54-24239	25	24–26	5/13/09	ND	7/20/09	1259.35	11/10/09	ND	1/26/10	ND
	75	74–76	5/13/09	ND	7/20/09	1111.41	11/10/09	ND	1/26/10	3433.46
54-24240	28	27–29	5/21/09	ND	7/20/09	626.275	11/13/09	6676.32 (J)	1/27/10	1502.93
	53	52–54	5/21/09	ND	7/20/09	580.898	11/13/09	ND	1/27/10	896.098
	128	127–129	5/21/09	ND	7/27/09	645.182 (R)	11/13/09	ND	1/27/10	807.474
	153	152–154	5/21/09	ND	7/27/09	508.804 (R)	11/13/09	ND	1/27/10	5072.11
54-24241	73	71–74	5/19/09	2773.52	7/21/09	2810.4	11/16/09	4751.14	2/19/10	ND
	113	112–114	5/21/09	ND	7/21/09	ND	11/16/09	2966.71	2/19/10	18,584.9
	133	132–134	5/19/09	778.211	7/21/09	ND	11/16/09	2936.72	2/19/10	ND
54-24242	25	24–26	5/21/09	ND	7/17/09	457.04	11/13/09	ND	1/26/10	1295.1
	50	49–51	5/21/09	ND	7/17/09	414.674	11/13/09	ND	1/26/10	1513.76
54-24243	25	24–26	5/27/09	4765.12	7/30/09	11,723.2	11/24/09	282.482	2/18/10	139418
	75	74–76	5/27/09	396,776	7/30/09	379,494	11/30/09	256,672	2/18/10	23036.4
	125	124–126	5/27/09	33,000.1	7/30/09	37,573.3	11/30/09	41,352.4	2/18/10	4764.99
54-24399	550	550–608	5/12/09	ND	8/12/09	1747.84	12/7/09	ND	3/3/10	3051.52
54-27641	32	29.5–34.5	5/18/09	541.034	8/18/09	1204.3	12/1/09	ND	1/28/10	1027.9
	82	79.5–84.5	5/19/09	10,099.7	8/18/09	843.2	12/1/09	1091.88	1/28/10	982.806
	115	112.5–117.5	5/18/09	ND	8/18/09	805.673	12/1/09	2797.26	1/28/10	395.527
	182	179.5–184.5	5/18/09	ND	8/18/09	339.301	12/1/09	9851.29	1/28/10	314.012
	271	268.5–273.5	5/20/09	ND	8/19/09	ND	12/1/09	ND	1/28/10	1056.52
	332.5	330–335	5/20/09	566.865	8/19/09	ND	12/1/09	1575.24	1/28/10	547.31



Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	3rd Quarter FY09		4th Quarter FY09		1st Quarter FY10		2nd Quarter FY10	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-27642	30	27.5–32.5	5/14/09	ND	7/23/09	298.466	11/24/09	ND	1/28/10	610.903
	75	71.5–76.5	5/14/09	ND	7/23/09	1729.68	11/24/09	3.55463 (J)	1/28/10	1801.42
	116	114.5–119.5	5/14/09	ND	7/23/09	3017.31	11/24/09	7.91554 (J)	1/28/10	2635.87
	175	172.5–177.5	5/14/09	ND	7/23/09	960.636	11/24/09	ND	1/28/10	606.867
	275	272.5–277.5	5/14/09	ND	7/24/09	335.889	11/24/09	ND	1/28/10	846.86
	338	335.5–340.5	5/14/09	ND	7/23/09	ND	11/24/09	ND	1/28/10	495.377
54-27643	30	27.5–32.5	5/28/09	1031.31	7/30/09	281.64	12/4/09	4012.43	2/10/10	765.518
	74	71.5–76.5	5/28/09	471.435	7/30/09	747.098	12/4/09	319,326	2/10/10	1609.72
	117	114.5–119.5	5/28/09	3957.82	7/30/09	254.007	12/7/09	6600.53	2/10/10	981.228
	167	164.5–169.5	5/28/09	376.124	7/30/09	308.832	12/7/09	13,471.7	2/10/10	881.572
	275	272.5–277.5	5/28/09	355.292	7/30/09	300.153	12/4/09	7765.12	2/10/10	1271.58
	354	351.5–356.5	5/28/09	1947.99	7/30/09	ND	12/7/09	1755.66	2/10/10	ND
54-610786	25	22.5–27.5	NS	NS	NS	NS	12/24/09	ND	2/8/10	495.426
	100	97.5–102.5	NS	NS	NS	NS	12/24/09	319.477	2/8/10	465.578
	118.5	116–121	NS	NS	NS	NS	12/24/09	ND	2/8/10	1197.04

<sup>a</sup> ND = Nondetect.

<sup>b</sup> NS = Not sampled.

<sup>c</sup> Partially blocked port. Results may not be representative of sample depth.

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# **Appendix A**

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



**A-1.0 ACRONYMS AND ABBREVIATIONS**

%CO <sub>2</sub>	percent carbon dioxide
%O <sub>2</sub>	percent oxygen
B&K	Brüel and Kjær
bgs	below ground surface
Consent Order	Compliance Order on Consent
COPC	chemical of potential concern
DCE	1,1-dichloroethylene
DER	duplicate error ratio
EPA	Environmental Protection Agency (U.S.)
FY	fiscal year
kPa	pressure differential
LANL	Los Alamos National Laboratory
LCS	laboratory control sample
MCL	maximum contaminant level
MDA	material disposal area
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NOD	notice of disapproval
PCE	tetrachloroethene
PD	percent difference
PID	photoionization detector
QA	quality assurance
Qbt 2	Quaternary unit 2
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 <sup>2</sup> )	0.3861	square miles (mi <sup>2</sup> )
hectares (ha)	2.5	acres
square meters (m <sup>2</sup> )	10.764	square feet (ft <sup>2</sup> )
cubic meters (m <sup>3</sup> )	35.31	cubic feet (ft <sup>3</sup> )
kilograms (kg)	2.2046	pounds (lb)
grams (g)	0.0353	ounces (oz)
grams per cubic centimeter (g/cm <sup>3</sup> )	62.422	pounds per cubic foot (lb/ft <sup>3</sup> )
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**

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*Quality Assurance/Quality Control Program*





## **B-1.0 INTRODUCTION**

This appendix presents the analytical methods and data quality review and summarizes the data quality of the field and laboratory data.

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

The type and frequency of QC analyses are described in the analytical services SOW (LANL 2000, 071233). Other QC factors, such as sample preservation and holding times, were also assessed. The requirements for sample preservation and holding times are presented in the Standard Operating Procedure (SOP) EP-ERSS-SOP-5056, Sample Containers and Preservation. Evaluating these QC indicators allows estimates to be made of the accuracy, bias, and precision of the analytical suites. A focused data validation was also performed for all the data packages (identified by request number) that included a more detailed review of the raw data. The SOPs used for data validation are presented in Table B-1.0-1. Copies of the analytical data, laboratory logbooks, and instrument printouts are provided in Appendix C (on DVD included with this document).

A systematic low bias in previously reported tritium pore-vapor measurements was identified (Whicker et al. 2009, 106429), and all tritium data presented in this report are corrected for this bias (Marczak 2009, 106500). The tritium results were corrected using the percent moisture value determined by the analytical laboratory. Details are discussed in section B-5.2.

Analytical data were reviewed and evaluated based on U.S. Environmental Protection Agency (EPA) National Functional Guidelines for organic chemical data review where applicable (EPA 1994, 048639; EPA 1999, 066649). Data have also been assessed using guidelines established in SW-846 (EPA 1997, 057589). As a result of the data validation and assessment efforts, qualifiers have been assigned to the appropriate analytical records. Definitions of the data qualifiers are presented in Appendix A.

### **B-1.1 Maintenance of Chain of Custody**

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

### **B-1.2 Sample Documentation**

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

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

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

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

Holding time, the maximum amount of time a sample can be stored without potential unacceptable changes in analyte concentrations, is described in EP-ERSS-SOP-5056. Extraction holding time refers to the time that elapses between sample collection and sample preparation; analytical holding time refers to the time that elapses between sample preparation and analysis.

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

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

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

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

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

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

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

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

Uncertainty and minimum detectable activity results for tritium have been modified in the same manner as the analytical results to account for the bound water found in silica gel used for sample collection (section B-5.2).

### **B-1.8 Method Blank**

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

### **B-1.9 Matrix Spike Recoveries**

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

### **B-1.10 Surrogate**

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

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

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

### **B-1.12 Laboratory Control Sample Recoveries**

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

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

Laboratory duplicates are two portions of a sample taken from the same sample container (prepared for analysis and analyzed independently but under identical conditions) that are used to assess or demonstrate acceptable laboratory-method precision at the time of analysis. 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 percent difference (PD) is defined by the equation  $RPD = \frac{|D1 - D2|}{(D1 + D2)/2} \times 100\%$ , 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  $DER = \frac{|S - D|}{\sqrt{2\sigma_S^2 + 2\sigma_D^2}}$ , where S represents the original sample value, D represents the duplicate value, and  $2\sigma_S$  and  $2\sigma_D$  represent the 2-sigma uncertainties surrounding the original and duplicate samples, respectively. A DER below 3 indicates sample-to-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 second quarter of fiscal year (FY) 2010, 86 volatile organic compound (VOC) pore-gas samples, 10 field blank samples, 10 field duplicate samples, and 3 VOC performance evaluation samples were collected at Solid Waste Management Unit 54-006, also known as Material Disposal Area (MDA) L. Additionally, 86 tritium samples, 11 field blank samples, and 11 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 rejected.

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

Chain of custody was properly maintained for all samples.

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

All samples were properly documented in the field.

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

No sample preservation is required for VOCs.

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

The holding times were met for all samples.

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

One analyte was analyzed with an initial calibration curve that exceeded the percent risk-specific dose criteria and/or the associated multipoint calibration correlation coefficient was less than 0.995. This analyte was qualified as estimated not detected (UJ).

Initial calibration verification and or the continuing calibration verification were recovered outside method-specific limits for 68 analytes. Affected analytes were qualified as estimated not detected (UJ).

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

Analyte identification was within limits for all analytes.

### **B-3.7 Method Blank**

Method blank results were within acceptable limits.

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

All surrogate recoveries were within acceptable limits.

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

All internal standard responses were within acceptable limits.

### **B-3.10 Laboratory Control Sample Recoveries**

The LCS percent recoveries were less than the lower acceptance limit but greater than 10% for 2 VOC analytes. Affected results were qualified as estimated not detected (UJ).

### **B-3.11 Laboratory and Field Duplicates**

Laboratory duplicates indicate acceptable precision. Five field duplicate results and their associated sample results had relative percent differences greater than 35%. These include the results for carbon

tetrachloride; dichloroethane[1,2-]; dichloroethene[1,2-]; and tetrachloroethene collected from borehole 54-02016 at 82 ft bgs; also, the result for dioxane[1,4-] collected from borehole 54-24241 at 73 ft bgs. Field duplicate results are presented in Table B-3-11.1.

### **B-3.12 Field Blanks**

Four analyte results were qualified as not detected (U) because the concentration in the sample was  $\leq 5$  times the related analyte in the field blank.

There were 42 detects of VOCs in 8 of the field blanks collected. No sample data was qualified as estimated or not detected based on the presence of VOC analytes in the field blanks.

## **B-4.0 RADIONUCLIDE ANALYSES**

No tritium results were rejected.

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

Chain of custody was properly maintained for all samples.

### **B-4.2 Sample Documentation**

Samples were properly documented in the field.

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

No sample preservation is required for tritium.

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

The holding times were met for all tritium analyses.

### **B-4.5 Analyte Quantitation**

Eight tritium results were qualified as not detected (U) because the sample result was  $\leq 5$  times the concentration of the related analyte in the field blank. Seventeen tritium results were qualified as not detected because the detected concentration was less than the minimum detectable concentration.

### **B-4.6 Method Blanks**

Method blanks were acceptable for all analyses.

### **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. Four of the 11 field duplicates had an RPD greater than 35%. These were for the field duplicate and field samples collected from boreholes 54-02016 at 82 ft bgs, 54-02025 at 160 ft bgs, 54-02089 at 46 ft bgs, and 54-24399 at 550 ft bgs. Field duplicates are presented in Table B-4.8-1.

#### **B-4.9 Field Blanks**

Five field blanks had detectable levels of tritium. The blanks collected at boreholes 54-02022, 54-02031, 54-24237, 54-24241, and 54-24399 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 monitoring at MDA L is conducted using EP-ERSS-SOP-5074, Sampling of Subatmospheric Air. This procedure covers the use of the B&K Type 1302 multigas analyzer and the LANDTEC GEM 500 photoionization detector (PID).

The B&K is maintained through calibration and changing or cleaning of filters as needed. The B&K is calibrated before use each quarter by a certified calibration laboratory. The B&K is adjusted before each day's use to compensate for ambient pressure and temperature. An operational check is conducted before each day's use through the analysis of ambient air readings and triplicate readings of known quantities of organic analytes in nitrogen. These verification check analyses confirm analytical stability, 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  $\pm 20\%$  of their known values. Additionally, during each sample analysis, a low-sample flow condition triggers an alarm on the B&K, and the VOC measurement is not completed.

The presence of nontarget VOCs bias B&K target analyte results if they have an acoustic response to infrared light similar to the target analyte. Trichlorofluoromethane (Freon-11) generates a measurable acoustic signal in response to light with a wavelength of 11.6  $\mu\text{m}$  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  $\mu\text{m}$ . Other VOCs responding to light at this wavelength include styrene and 1,1,2-trichloro-1,2,2-trifluoroethane (Freon-113), neither of which is reported by EPA Method TO-15, and dichlorodifluoromethane (Freon-12), ethanol, and 1,1-dichloroethylene (DCE). Results indicate that DCE and Freon-113 are detected in most samples at MDA L at concentrations that generate a measurable acoustic signal in response to light with a wavelength that is included in the acoustic signal interpreted as PCE that may bias the PCE readings high using the B&K. Table B-5.1-1 presents VOCs that interfere with each of the four B&K target analytes.

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

- On February 8<sup>th</sup>, the B&K with serial number 1732805 was calibrated before the second quarter monitoring event. The zero points were set for 1,1,1-trichloroethane (TCA), trichloroethene (TCE), Freon-11, PCE, carbon dioxide (CO<sub>2</sub>), and water vapor. Span concentrations of TCA at 10.4 ppm, TCE at 19.86 ppm, Freon-11 at 26.5 ppm, PCE at 21.4 ppm, and CO<sub>2</sub> at 1000 ppm were used to generate calibration response curves.

The LANDTEC GEM 500 PID is calibrated by a certified calibration laboratory. During calibration, methane (CH<sub>4</sub>), oxygen (O<sub>2</sub>), and CO<sub>2</sub> zero points are set, and each analyte's calibration response curve is developed. The CH<sub>4</sub> reading is filtered to an infrared absorption frequency of 3.41 mm (nominal), the frequency specific to hydrocarbon bonds. LANDTEC instruments are calibrated using certified CH<sub>4</sub> mixtures and will give correct readings, provided no other hydrocarbon gases are present within the sample (e.g., ethane, propane, and butane). If other hydrocarbons are present, the CH<sub>4</sub> reading will be higher (never lower) than the actual CH<sub>4</sub> concentration being monitored. The extent to which the CH<sub>4</sub> reading is affected depends upon the concentration of the CH<sub>4</sub> in the sample and the concentration of the other hydrocarbons. The effect of other hydrocarbons is nonlinear and difficult to predict. The CO<sub>2</sub> reading is filtered to an infrared absorption frequency of 4.29 μm (nominal), the frequency specific to CO<sub>2</sub>. Therefore, any other gases usually found on landfill sites will not affect the CO<sub>2</sub> reading. The O<sub>2</sub> sensor is a galvanic cell type and suffers no influence from CO<sub>2</sub>, 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<sub>4</sub> and CO<sub>2</sub> are expected. O<sub>2</sub> is expected to read 20.9%. LANDTEC reads with an accuracy of +/-1% over the range of 0-25% O<sub>2</sub>.

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

- Unit 1139 was calibrated on March 18<sup>th</sup>, 2010. The zero points were set for CH<sub>4</sub>, CO<sub>2</sub>, and O<sub>2</sub>. Calibration was performed so that CH<sub>4</sub> and CO<sub>2</sub> reached ±15% of a known concentration, and O<sub>2</sub> was set to read ambient air at 20.9%. Pump flow was confirmed to be 500 cm<sup>3</sup>/min.
- Unit 937 was calibrated on April 29<sup>th</sup>, 2010. The zero points were set for CH<sub>4</sub>, CO<sub>2</sub> and O<sub>2</sub>. Calibration was performed so that CH<sub>4</sub> reached ± 15% of a known concentration, and O<sub>2</sub> was set to read ambient air at 20.9%. Pump flow rate was confirmed to be 525 cm<sup>3</sup>/min.

## B-5.2 Tritium

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

Silica gel is prepared for sampling by drying it at a temperature above 100°C. This drying does not remove bound water. The amount of silica gel used in each sample is weighed before sample collection (typically about 135 g). The sample canister with silica gel is weighed before sampling. The sampling



procedure, EP-ERSS-SOP-5074, Sampling of Sub-Atmospheric Air, requires that at least 5 g of moisture be collected. Following sampling, the sample canister with silica gel is weighed again.

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

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

## B-6.0 REFERENCES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Borehole ID	Depth (ft)	Analyte	Sample Standard Result ( $\mu\text{g}/\text{m}^3$ )	Field Duplicate Result ( $\mu\text{g}/\text{m}^3$ )	Relative Percent Difference
54-02016	82	Carbon Tetrachloride	2400	1600	40
54-02016	82	Dichloroethane[1,2-]	17,000	11,000	42.9
54-02016	82	Dichloroethene[1,1,-]	28,000	19,000	38.3
54-02016	82	Tetrachloroethene	20,000	12,000	50
54-24241	73	Dioxane[1,4-]	4300	6700	43.6

**Table B-4.8-1  
Tritium Sample Record with Field Duplicate  
with Relative Percent Difference Above 35%**

Borehole ID	Depth (ft)	Analyte	Sample Standard Result (pCi/L)	Field Duplicate Result (pCi/L)	Relative Percent Difference
54-02016	82	Tritium	1347.53	612.055	75.1
54-02025	160	Tritium	1229.59	144.4	158
54-02089	46	Tritium	4228.19	386.862	166.5
54-24399	550	Tritium	3051.52	150.024	181.3

**Table B-5.1-1  
B&K Target Analytes and Potential Interfering Analytes**

Target	Potential Interfering Analyte
PCE	Styrene
PCE	Freon-113
PCE	Freon-12
PCE	DCE
PCE	Ethylene oxide
PCE	Ethanol
PCE	Dipropylnitrosamine
PCE	1,1-Dimethylhydrazine
PCE	1,4-Diethylene dioxide
PCE	Cyclohexene
PCE	tert-Butyl alcohol
PCE	m-Vinyltoluene
PCE	Vinyl chloride
PCE	Tetrahydrofurane
PCE	Silicium tetrafluoride
PCE	Nitromethane
PCE	Nitrogen trifluoride
PCE	$\alpha$ -Methylstyrene
PCE	Monomethyl hydrazine
PCE	Methyl iodide
PCE	n-Hexane
PCE	Acetic anhydride
PCE	1,3-Butadiene
Freon-11	Freon-114
Freon-11	Freon-21
Freon-11	Carbonyl sulfide
Freon-11	Methyl acetate
Freon-11	Chloropicrine
Freon-11	Cyclohexane
Freon-11	Dimethylnitrosamine
Freon-11	Epichlorohydrine
Freon-11	Ethane
Freon-11	Ethylene oxide
Freon-11	Ethyl formate
Freon-11	2-Nitropropane
Freon-11	Phosgene
Freon-11	Vinyl acetate
TCA	Fluorobenzene

**Table B-5.1-1 (continued)**

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



## **Appendix C**

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

