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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 2009

Prepared by the Environmental Programs Directorate

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EXECUTIVE SUMMARY

This periodic monitoring report summarizes vapor-monitoring activities conducted during the second quarter of fiscal year (FY) 2009 at Material Disposal Area (MDA) L, Solid Waste Management Unit 54-006, in Technical Area 54 at Los Alamos National Laboratory. The objective of the monitoring is to evaluate trends in volatile organic compound (VOC) concentrations and tritium activity levels over time in subsurface vapor at MDA L.

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

Analytical results continue to confirm the presence of two VOC source areas and the presence of tritium at MDA L. VOC concentrations in the western source area increase from the surface to depths between 60 and 160 ft below ground surface (bgs) then decrease to the total depths of the boreholes. VOC concentrations in the eastern source area increase from the surface to depths between 75 and 200 ft bgs then decrease to the total depths of the boreholes. Tritium activities varied with depth and location. Vapor-monitoring results indicate that there is no immediate threat to groundwater from the VOC source areas.

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

CONTENTS

Figures

Tables

Appendixes

Plate

1.0 INTRODUCTION

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

MDA L is located in the east-central portion of the Laboratory (Figure 1.0-1) on Mesita del Buey. It consists of 1 inactive subsurface disposal pit (Pit A), 3 inactive subsurface treatment and disposal impoundments (Impoundments B, C, and D), and 34 inactive disposal shafts (Shafts 1 to 34). MDA L is relatively flat, and most of the overlying surface is paved with asphalt to house ongoing waste-management activities, including the storage of chemical, hazardous, and mixed low-level wastes managed within container storage units. The regional aquifer beneath MDA L is estimated to be an average depth of approximately 930 below ground surface (bgs) (LANL 1998, 059599).

During the late 1950s, the Laboratory, with the approval of the U.S. Atomic Energy Commission and on recommendation of the U.S. Geological Survey, selected Mesita del Buey within TA-54 for underground disposal of Laboratory-generated waste (Rogers 1977, 005707; Rogers 1977, 005708, p. G-1). Since then, the main waste storage and disposal facilities for the Laboratory have been located at TA-54. MDA L is one of four inactive disposal areas on Mesita del Buey, which is bounded by Pajarito Canyon to the south and Cañada del Buey to the north.

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

One pit, 3 impoundments, and 34 shafts were excavated into the overlying soil and unit Qbt 2 of the Tshirege Member of the Bandelier Tuff at MDA L. The disposal sites are shown in Figure 1.0-2. The subsurface disposal units range in depth from 10 to 65 ft below the original ground surface. The regional aquifer is estimated to be at a depth of approximately 930 ft, based on data from other wells at the Laboratory and on the predictions of the hydrogeologic conceptual model for the Pajarito Plateau (LANL 1998, 059599). The pit, impoundments, and shafts are unlined. The bottoms of the pit and impoundments were level, so liquid could spread over the entire surface area to facilitate evaporation. After they were decommissioned, the pit and impoundments were filled and covered with clean, crushed consolidated tuff. The bottom of each shaft was covered with 3 ft of crushed tuff to seal cracks and joints, and a steel cap was placed over the opening. When the shafts were filled with waste surrounded by crushed tuff to within 3 ft of the surface, they were capped with a 3-ft concrete plug (LANL 1992, 007669, p. 5-108).

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

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

- In 1985, the Laboratory received a compliance order from the New Mexico Environment Department (NMED) stipulating, among other requirements, characterization of pore gas at MDAs G and L. The Laboratory installed seven vapor-monitoring wells to characterize pore gas.
- From 1986 to 1990, the Laboratory voluntarily installed 22 additional vapor-monitoring wells to characterize the VOC plumes at MDAs G and L.
- In 1990, the U.S. Environmental Protection Agency (EPA) issued Module VIII of the Laboratory's Hazardous Waste Facility Permit. Module VIII included requirements for quarterly pore-gas sampling at MDAs G and L as input into the Resource Conservation and Recovery Act facility investigation.
- The March 1, 2005, Compliance Order on Consent (the Consent Order) required pore-gas monitoring during the site investigations for all MDAs and required the submittal of a long-term, pore-gas monitoring plan for each MDA.
- In September 2005, the Laboratory submitted a proposed long-term monitoring plan for pore gas in Appendix I of the MDA L investigation report (LANL 2005, 092591).
- During June and July 2006, a soil-vapor extraction pilot study was conducted beneath 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 at MDA L, the core from each borehole was analyzed, and the boreholes were constructed as vapor-monitoring wells to characterize the VOC plume.
- In July 2007, the Laboratory received an approval with direction from NMED regarding the long-term subsurface vapor-monitoring plan, provided as Appendix I to the MDA L investigation report, which required the Laboratory to submit a table indicating locations and port depths to be sampled (NMED 2007, 098409).
- In August 2007, the Laboratory submitted the "Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area L at Technical Area 54" (LANL 2007, 098712), which included a table indicating locations and port depths to be sampled during pore-gas monitoring activities for FY2008.
- In September 2007, the Laboratory received a notice of disapproval (NOD) pertaining to the August 2007 interim plan (NMED 2007, 098559).
- In October 2007, the Laboratory submitted the "Interim Subsurface Vapor-Monitoring Plan for Material Disposal Area L at Technical Area 54, Revision 1" (LANL 2007, 099372), addressing NMED's directions provided in the September 2007 NOD.
- In November 2007, the Laboratory received an approval with modifications on the revised interim monitoring plan (NMED 2007, 098999). The modifications required increasing the number of boreholes to be screened and sampled.
- In January 2008, the Laboratory submitted a proposed long-term, subsurface vapor-monitoring plan for MDA L in Appendix H of the MDA L corrective measures evaluation plan (LANL 2008, 101718).

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

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

Analyses of the pore-gas monitoring data indicate there are two sources of the subsurface vapor-phase VOC plume: the eastern source area (shaft fields 1 to 28) and the western source area (shaft fields 29 to 34). Both source areas are dominated by the presence of TCA. Vertically, the plume extends between the ground surface and the top of the basalt (approximately 320 ft bgs). The plume has not changed significantly over time in area, contaminant concentration, or composition (LANL 2008, 101718).

2.0 SCOPE OF ACTIVITIES

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

Second quarter FY2009 vapor-monitoring activities were conducted from March 10 to April 2, 2009. Vapor-monitoring borehole locations, port depths, and corresponding sampling intervals that were field screened and sampled are presented in Table 2.0-1.

- Each sampling interval was purged to ensure that formation air was being sampled, in accordance with Standard Operating Procedure EP-ERSS-SOP-5074.
- Pore gas from each accessible sample interval was field screened for carbon dioxide (CO_2) and oxygen (O_2) using a Landtec GEM-500 and for selected VOCs, CO_2, and water vapor using a Brüel and Kjær (B&K) Type 1302 multigas photoacoustic analyzer. Pressure differential was also measured at each accessible instrumented interval.
- Vapor samples were collected from selected intervals in SUMMA canisters for laboratory analyses of VOCs using EPA Method TO-15.
- Tritium samples were collected in silica gel columns from selected intervals for laboratory analysis using EPA Method 906.0.
- A total of 174 ports in 26 boreholes and 550 to 608 ft bgs in 1 open borehole (location 54-24399) were field screened for VOCs.
- A total of 82 VOC samples were collected from 82 ports in 23 boreholes; 1 VOC sample was collected from the interval in borehole location 54-24399.

- A total of 82 tritium samples were collected from 82 ports in 23 boreholes; 1 tritium sample was collected from the interval in borehole location 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 FY2009 sampling activities.

- Tritium sampling was completed on April 2, 2009.
- Tritium and VOC samples were not collected from the 120-ft port depth at borehole location 54-02021 because this port was blocked. A tritium sample and a VOC sample were collected from the next available port down at a depth of 160 ft, in addition to the samples collected from the other three NMED-required depths (20, 100, and 140 ft) at this location.
- Tritium and VOC samples were not collected from the 120-ft port depth at borehole location 54-02024 because the port was blocked and cannot be cleared. A tritium sample and VOC sample were collected from the next available port at a depth of 140 ft, in addition to the samples collected from the other three NMED-required depths (40, 100, and 160 ft) at this location.
- Borehole location 54-24244 was not field screened or sampled. The Flexible Liner Underground Technology (FLUTe) vapor-sampling system installed in this borehole was damaged when it fell to the bottom of the borehole shortly after installation. Borehole location 54-24244 is not repairable. The monitoring system will be replaced to accommodate sampling during first quarter FY2010.
- A number of ports listed for screening within Table 1.0-1 were not able to be screened because of inadequate airflow. These blocked ports include borehole location 54-02001 at 60 ft bgs, borehole location 54-02002 at 80 ft bgs, borehole location 54-02016 at 18 ft bgs, borehole location 54-02021 at 80 and 120 ft bgs, borehole location 54-02023 at 180 ft bgs, borehole location 54-02024 at 120 ft bgs, and borehole location 54-02031 at 220 ft bgs. Blocked ports cannot be cleared.
- Low airflow was observed in borehole location 54-02023 at 140 ft bgs and in borehole location 54-02001 at 159 ft bgs and 180 ft bgs, indicating blocked or partially blocked ports.
- Three ports in borehole location 54-01016 at 414.3 ft bgs, 459.5 ft bgs, and 517.6 ft bgs have been blocked in recent quarters and could not be field screened. Pore gas was field screened from these three port depths during the second quarter FY2009 monitoring event, but the results indicate these ports were partially blocked because of low airflow and low CO_2 readings.

3.0 REGULATORY CRITERIA

The March 1, 2005, Consent Order does not identify cleanup standards, risk-based screening levels (SLs), risk-based cleanup goals, or other regulatory criteria for pore gas. Therefore, an analysis was conducted to evaluate the potential for contamination of groundwater by VOCs in pore gas using SLs, based on groundwater cleanup levels in the Consent Order. The analysis evaluated the groundwater concentration that will be in equilibrium with the maximum concentrations of VOCs detected at MDA L during the most recent round of monitoring. The equilibrium relationship between air and water concentrations is described by the following equation.

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

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

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

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

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

Because there are no SLs for pore gas that address the potential for groundwater contamination, the screening evaluation was based on groundwater standards or tap water SLs and Henry's law constants that describe the equilibrium relationship between vapor and water concentrations. The source of the Henry's law constants is the NMED technical background document (NMED 2006, 092513) or the EPA regional screening tables (http://www.epa.gov/region06/6pd/rcra_c/pd-n/screen.htm). The following dimensionless form of Henry's law constant was used:

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

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

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

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

4.0 FIELD-SCREENING RESULTS

Second quarter FY2009 vapor-monitoring activities were conducted at MDA L from March 10 to April 2, 2009. Vapor-monitoring borehole locations, port depths, and corresponding sampling intervals sampled during this quarter are provided in Table 2.0-1. Sample locations are shown in Figure 1.0-2. Monitoring activities included field screening of subsurface vapor for VOCs, water vapor, and percent CO_2 and O_2.

Before sampling, each sample 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-eV lamp to measure percent CO_2 and O_2. Each interval was monitored with the Landtec until CO_2

and O_2 readings stabilized. The stabilized percent CO_2 and O_2 values measured at each port depth in each borehole for the second quarter of FY2009 and the previous three quarters are provided in Table 4.0-1. After purging and stabilization, VOC field-screening results were collected using a B&K Type 1302 multigas photoacoustic analyzer to estimate VOC concentrations. The B&K is calibrated for analysis of four VOCs: trichlorofluoromethane (Freon-11), PCE, TCA, and TCE. It also measures CO_2 and water vapor. The stabilized B&K field-monitoring values for the second quarter of FY2009 and the previous three quarters are provided in Table 4.0-2. The field-screening QA/QC program is summarized in Appendix B, section B-5.0.

Blocked ports were observed in borehole location 54-02001 at 60 ft bgs, in borehole location 54-02002 at 80 ft bgs, in borehole location 54-02016 at 18 ft bgs, in borehole location 54-02021 at 80 ft bgs and 120 ft bgs, in borehole location 54-02023 at 180 ft bgs, in borehole location 54-02024 at 120 ft bgs, and in borehole location 54-02031 at 220 ft bgs. These ports did not produce adequate airflow to collect representative B&K field-screening measurements. Low airflow was observed in borehole location 54-02023 at 140 ft bgs and in borehole location 54-02001 at 160 and 180 ft bgs. Low airflow is one indicator of blocked or partially blocked ports. Flow through the Landtec was acceptable for CO_2 and O_2 readings measured in blocked ports (inadequate airflow) and ports with low airflow but may not be representative of subatmospheric air conditions (versus ambient surface air conditions) because of the blocked ports in relation to the B&K airflow or the low airflow while purging. Blocked ports and ports presenting low airflow conditions are identified in Table 2.0-1. According to the NMED-approved Table 1.0-1, VOC and tritium samples are not required to be collected from the blocked ports in borehole locations 54-02001, 54-02002, 54-02016, 54-02023, 54-02031, and 54-02021 at the 80-ft port depth. VOC and tritium samples were to be collected in borehole locations 54-02021 at 120 ft bgs and in 54-02024 at 120 ft bgs. As noted in the deviations, VOC and tritium samples were collected at alternate port depths in these two borehole locations.

5.0 ANALYTICAL DATA RESULTS

Second quarter FY2009 vapor-sampling activities were conducted at MDA L from March 10 to April 2, 2009. Borehole sampling locations and port depths are provided in Table 2.0-1 and 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 presents the detected concentrations of VOCs in MDA L vapor samples during the second quarter of FY2009 and the three previous quarters. Detected VOC concentrations for all second quarter FY2009 sampling locations are shown on Plate 1.

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

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

A systematic low bias in previously reported tritium pore-vapor measurements has been identified (Whicker et al. 2009, 106429); tritium data presented in Table 5.0-2 have been corrected for this bias (Marczak 2009, 106500). The bias resulted from the properties of silica gel, the medium used to collect water vapor from pore-gas samples. Silica gel contains water bound to the silica gel molecules that cannot be completely removed by drying, before it is used in sampling, without degrading the silica gel properties. Thus, when water vapor is collected from the pore gas, the tritiated water vapor is diluted into

the water bound to the silica gel molecules. The tritium results were corrected using the percent moisture value determined by the analytical laboratory. The corrected tritium results are reported in Table 5.0-2 and in Appendix C.

5.1 Data Summary

During the second quarter of FY2009, 24 VOCs were detected at least once in laboratory-analyzed vapor samples collected from MDA L. TCA was detected in 80 of the 83 samples analyzed for VOCs and was the VOC detected at the highest concentration. TCA was detected at a maximum concentration of 4,400,000 µg/m^3 (800,000 ppbv) in borehole location 54-27642 at the 30-ft port depth, which is consistent with concentrations detected at this location during previous sampling events (Table 5.0-1). Also detected in at least 90% of second quarter FY2009 samples analyzed were TCE, PCE, Freon-11, 1,1,2-trichloro-1,2,2,-trifluoroethane, 1,1-dichloroethane, 1,1-dichloroethene, chloroform, and dichlorodifluoromethane. Second quarter FY2009 VOC concentrations were consistent with VOC concentrations detected during previous sampling events (Table 5.0-1).

Maximum VOC concentrations detected in laboratory-analyzed samples are found at depths ranging from 25 to 175 ft bgs. Within most borehole locations, concentrations of the most common VOCs listed above increase to a certain depth then decrease to total depth of the borehole. In the eight western borehole locations (borehole locations 54-02001, 54-02012, 54-02021, 54-02022, 54-02031, 54-02034, 54-24240, and 54-27641), the depth of maximum concentrations occurred between 60 and 160 ft bgs. The depth of maximum concentrations occurred between 75 and 200 ft bgs in the eastern borehole locations 54-02002, 54-02016, 54-02020, 54-02023, 54-02024, 54-02025, 54-02026, 54-02027, 54-02028, 54-24243, 54-24244, 54-27642, and 54-27643. Two eastern borehole locations, 54-02089 and 54-24238, and the four boreholes in the middle of MDA L—54-24239, 54-0.24241, 54-24242, 54-24399—did not have enough sampling depths to determine a concentration trend with depth. All boreholes were sampled at multiple depths, except borehole location 54-24399 and borehole location 54-24238, where only one depth was required to be sampled. The deepest geologic unit monitored of the completed boreholes is the Otowi Member (Qbo), which was sampled at borehole locations 54-02034, 54-24399, 54-27641, 54-27642, and 54-24673. The deepest geologic unit monitored was the open borehole location 54-24399, drilled into the basalt. The minimum detected concentrations of seven of the most common VOCs and four other detected VOCs were found in the samples collected from the deep Qbo interval. The minimum for 1,1-dichloroethane was found in the Qbt 2 interval at borehole location 54-02034, and the minimum for chloroform was found in the Qbt 1g interval in borehole location 54-02026.

Tritium was detected in 46 of the 83 samples analyzed for tritium at activity levels ranging from 340 to 385,591 pCi/L. The maximum tritium activity level (385,591 pCi/L) detected during the second quarter FY2009 was collected from the 75-ft port depth in borehole location 54-24243. This activity level increased about 25% from the first quarter FY2009 result at the same depth in this borehole but is less than half of the tritium activity reported in the third and fourth quarters of FY2008. Borehole location 54-24243 is located about 40 ft south of the eastern MDA L shaft field. The base of the shaft field is at a depth of about 60 ft bgs, which is located within the same formation (unit Qbt 1v) as the 75-ft port depth. The second highest tritium result (27,303 pCi/L) measured during the second quarter FY2009 is over an order of magnitude lower than the maximum tritium activity.

5.2 Data Evaluation

A screening evaluation was performed to evaluate if the VOC concentrations detected during the second quarter of FY2009 are a potential source of groundwater contamination. Because there are no SLs for pore gas that address the potential for groundwater contamination, the screening evaluation was based

on groundwater standards or tap water SLs and Henry's law constants that describe the equilibrium relationship between vapor and water concentrations (see section 3.0).

SVs were calculated for the maximum concentrations of VOCs detected in pore-gas samples at MDA L using Equation 3.0-3 during the second quarter of FY2009. The screening evaluated 22 detected VOCs for which there are MCLs, NMWQCC standards, or EPA regional tap water SLs. Table 5.2-1 shows the SVs calculated for the relevant VOCs. Eleven VOCs had SVs greater than 1.0, including benzene, carbon tetrachloride, chloroform, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethene, 1,2-dichloropropane, methylene chloride, PCE, TCA, and TCE; 1,2-dichloroethane had the highest SV. Because some SVs exceeded 1.0, further screening was performed on the VOC concentrations observed in the deepest pore-gas sample (i.e., the sample closest to the regional aquifer). Eight VOCs were detected in the deepest sample (depth interval 505–608 ft) from borehole location 54-24399. Screening of these eight VOCs resulted in SVs below 1.0 (Table 5.2-2). Although SVs were greater than 1.0 for benzene, carbon tetrachloride, chloroform, 1,2-dichlororethane, and 1,2-dichlororpropane, these VOCs were not detected in the deepest sample from borehole location 54-24399. Based on this evaluation, the concentrations of VOCs in the pore gas beneath MDA L do not pose an immediate potential source of groundwater contamination.

6.0 SUMMARY

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

- VOCs were detected in all 83 pore-gas samples analyzed during the second quarter of FY2009.
- VOC concentrations are consistent with concentrations reported during the previous three quarters of sampling.
- VOC concentrations increase from the ground surface to a maximum concentration between 60 and 160 ft bgs in the western borehole locations and between 75 and 200 ft bgs in the eastern borehole locations.
- VOC concentrations decrease with depth from the maximum concentration to the borehole total depths, except in six boreholes.
- VOC concentrations measured at the deepest depth interval (505–608 ft bgs) in borehole location 54-24399 were below an SV of 1.0, indicating that VOCs do not pose an immediate potential source of groundwater contamination.
- Analytical laboratory results for tritium have been corrected to account for the impact of silica gel–bound water. All values presented in this report (including those provided in Appendix C) have been corrected. All discussions of data values, detections, and trends present the corrected tritium concentrations.
- Tritium was detected in 46 of the 83 samples analyzed during the second quarter of FY2009.
- Tritium activities are consistent with activities reported during the previous three quarters of sampling.
- Tritium activities ranged from 340 to 385,591 pCi/L and varied with depth and location.

7.0 REFERENCES AND MAP DATA SOURCES

7.1 References

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

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

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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; September19, 2007; as published December 4, 2008.
MDA L	Materials Disposal Areas; Los Alamos National Laboratory, ENV Environmental Remediation and Surveillance Program; ER2004-0221; 1:2,500 Scale Data; April 23, 2004.
Paved road	Paved Road Arcs; Los Alamos National Laboratory, KSL Site Support Services, Planning, Locating and Mapping Section; January 6, 2004; as published October 15, 2008.
Primary paved road Secondary paved road	Road Centerlines for the County of Los Alamos; County of Los Alamos, Information Services; as published December 3, 2007.
Structure	Paved Road Arcs; Los Alamos National Laboratory, KSL Site Support Services, Planning, Locating and Mapping Section; January 6, 2004; as published October 15, 2008.
Technical Area boundary TA 54	Technical Area Boundaries; Los Alamos National Laboratory, Site Planning & Project Initiation Group, Infrastructure Planning Office; September 2007; as published December 4, 2008.
Unpaved road	Dirt Road Arcs; Los Alamos National Laboratory, KSL Site Support Services, Planning, Locating and Mapping Section; January 6, 2004; as published October 15, 2008.
Vapor-monitoring well	Point Feature Locations of the Environmental Restoration Project Database; Los Alamos National Laboratory, Waste and Environmental Services Division, EP2008-0592; November 4, 2008.

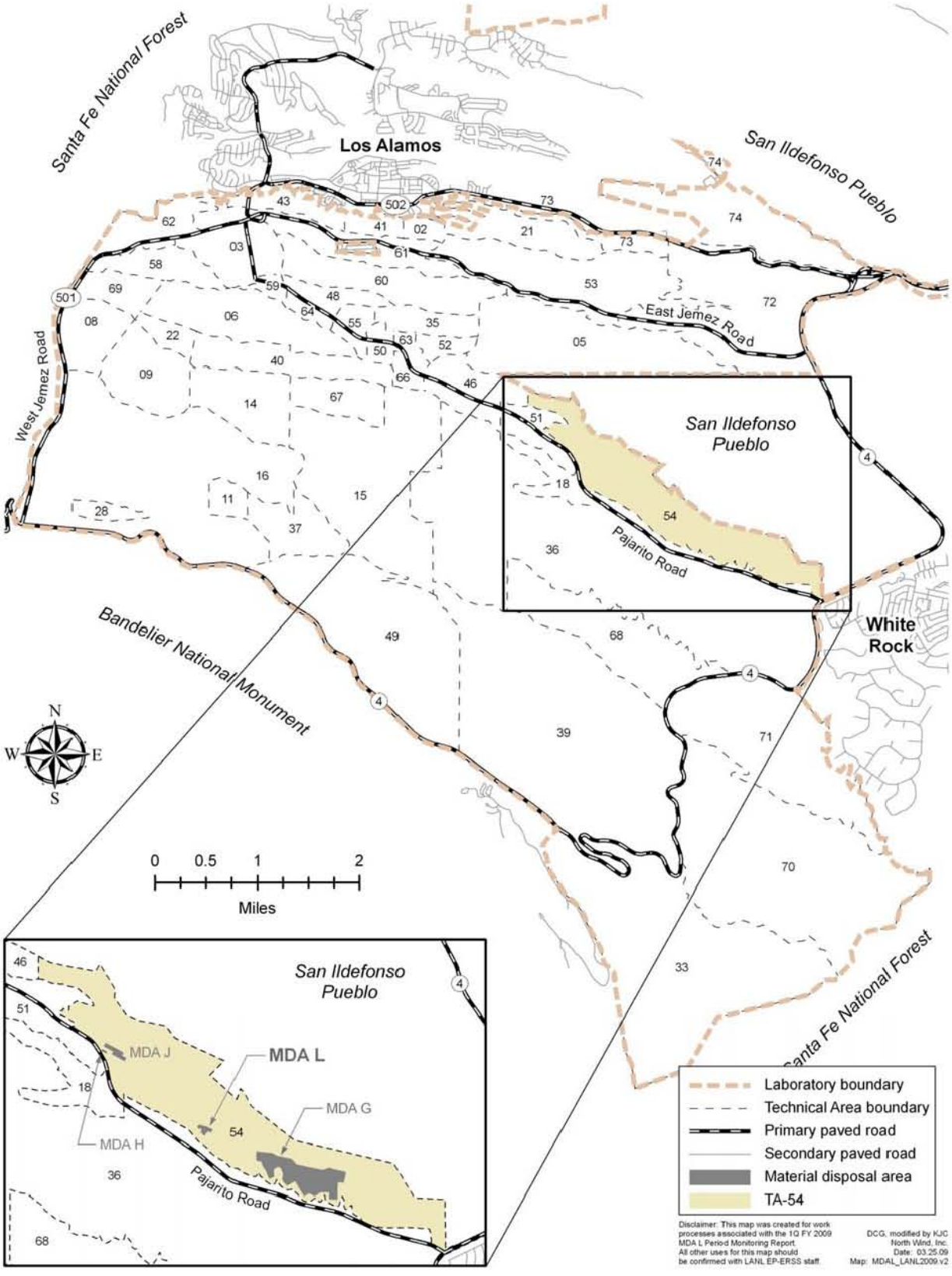

Figure 1.0-1 MDA L in TA-54 with respect to Laboratory TAs and surrounding land holdings

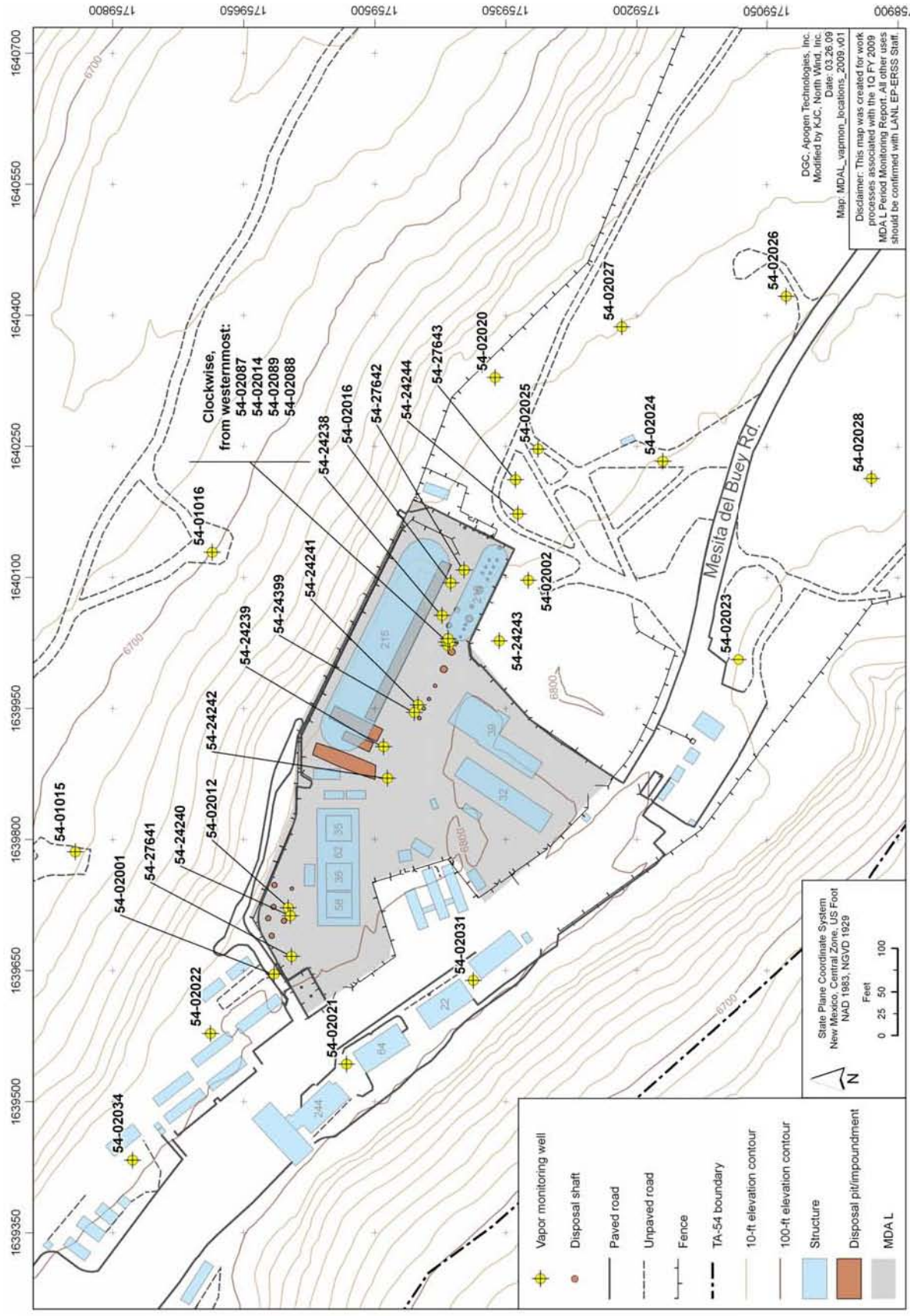

Figure 1.0-2 MDA L pore-gas monitoring boreholes

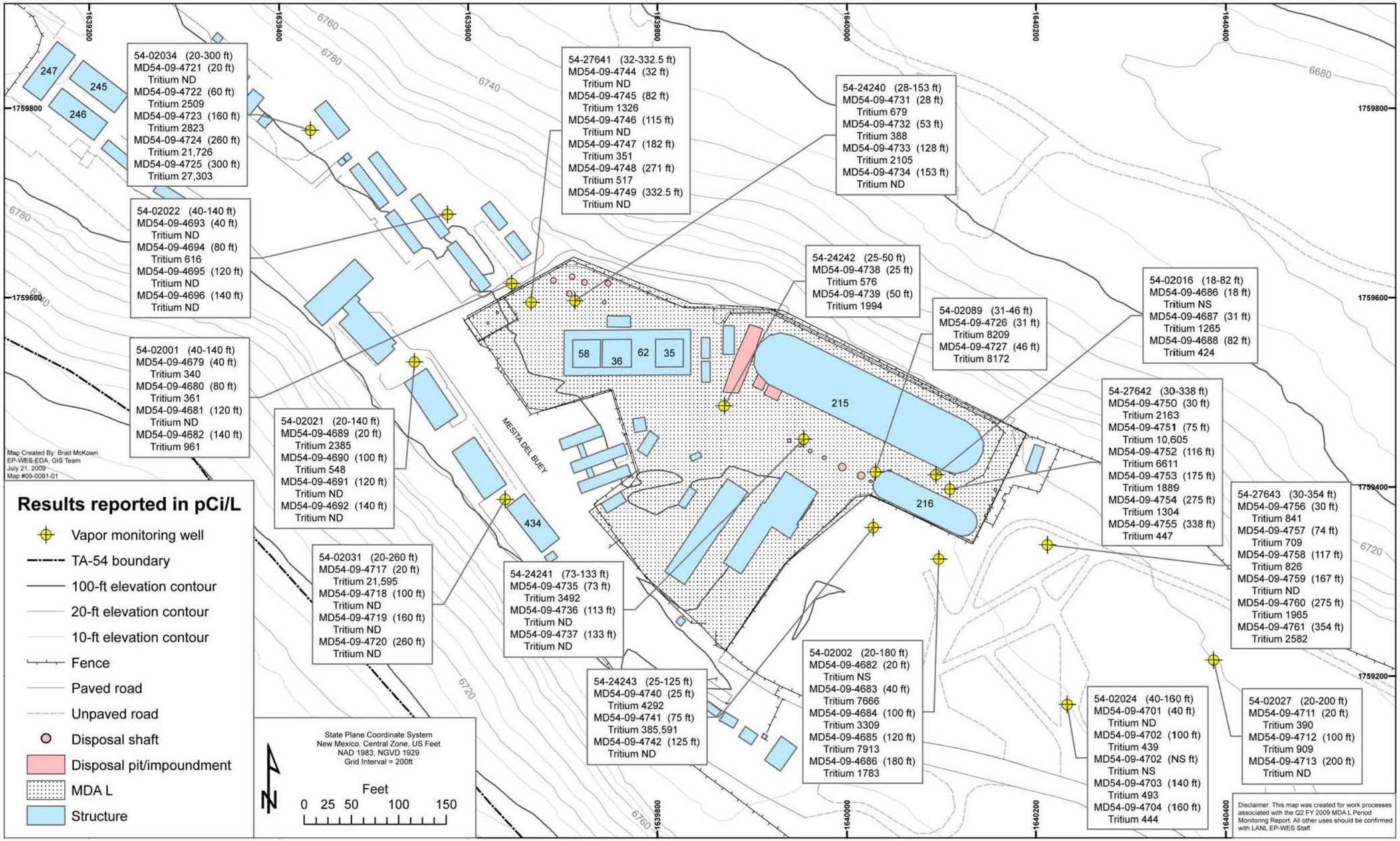

Figure 5.0-1 Tritium detected in vapor samples at MDA L

Table 1.0-1
MDA L Subsurface Vapor-Monitoring Locations

Borehole ID	VOC and Tritium Sampling Port Depths Intervals (ft bgs)
54-01015	37.6 (36–46), 165.4 (182–192), 308.3 (340–352), 333.3 (375–385), 338.7 (425–435), 426.5 (480–490), 462.1 (520–530)
54-01016	30.8 (30–40), 162.2 (178–190), 274.7 (318–324), 336.3 (386–396), 414.3 (473–483), 459.5 (530–540), 517.6 (592–602)
54-02001	20 (17.5–22.5), **40 (37.5–42.5)**, 60 (57.5–62.5), **80 (77.5–82.5),** 100 (97.5–102.5), **120 (117.5–122.5)**, **140 (137.5–142.5),** 160 (157.5–162.5), 180 (177.5–182.5), 200 (197.5–202.5)
54-02002	20 (17.5–22.5), **40 (37.5–42.5),** 60 (57.5–62.5), 80 (77.5–82.5), **100 (97.5–102.5)**, **120 (117.5–122.5)**, 140 (137.5–142.5), 157 (154.5–159.5), **180 (177.5–182.5),** 200 (197.5–202.5)
54-02016	18 (15.5–20.5), **31 (28.5–33.5), 82 (79.5–84.5)**
54-02020	20 (10–30), 40 (30–50), 60 (50–70), 80 (70–90), 95 (90–110), 120 (110–130), 140 (130–150), 160 (150–170), 180 (170–190), 200 (190–210)
54-02021	**20 (10–30)**, 40 (30–50), 60 (50–70), 80 (70–90), **100 (90–110), 120 (110–130)**, **140 (130–150),** 160 (150–170), 180 (170–190), 198 (190–210)
54-02022	20 (17.5–22.5), **40 (37.5–42.5)**, 60 (57.5–62.5), **80 (77.5–82.5)**, 100 (97.5–102.5), **120 (117.5–122.5)**, **140 (137.5–142.5)**, 160 (157.5–162.5), 180 (177.5–182.5), 200 (197.5–202.5)
54-02023	20 (10–30), **40 (30–50)**, 60 (50–70), 80 (70–90), **100 (90–110), 120 (110–130)**, 140 (130–149), **159 (149–169)**, 180 (170–190), 200 (190–210)
54-02024	20 (10–30), **40 (30–50)**, 60 (50–70), 80 (70–90), **100 (90–110)**, **120 (110–130)**, 140 (130–150), **160 (150–170)**, 180 (170–190), 200 (190–210)
54-02025	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 190 (190)
54-02026	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 200 (200), 215 (215)
54-02027	**20 (20)**, 60 (60), **100 (100)**, 160 (160), **200 (200)**, 220 (220), 250 (250)
54-02028	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 200 (200), 220 (220), 250 (250)
54-02031	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 200 (200), 220 (220), **260 (260)**
54-02034	**20 (20)**, **60 (60),**100 (100), **160 (160)**, 200 (200), 220 (220), **260 (260)**, **300 (300)**
54-02089	13 (13), **31 (31)**, **46 (46)**, 86 (86)
54-24238	44 (43–45), **64 (63–65)**, 84 (83–85)
54-24239	**25 (24–26)**, 50 (49–51), **75 (74–76)**, 99.5 (98.5–100.5)
54-24240	**28 (27–29)**, **53 (52–54)**, 78 (77–79), 103 (102–104), **128 (127–129)**, **153 (152–154)**
54-24241	**73 (71–74)**, 93 (92–94), **113 (112–114)**, **133 (132–134)**, 153 (152–154), 173 (172–174), 193 (192–194)
54-24242	**25 (24–26)**, **50 (49–51)**, 75 (74–76), 100 (99–101), 110.5 (109.5–111.5)

Table 1.0-1 (continued)

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

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

*Open borehole.

Table 2.0-1
Second Quarter FY2009 MDA L Subsurface Vapor-Monitoring Locations

Borehole ID	VOC and Tritium Sampling Port Depth Intervals (ft bgs)
54-01015	37.6 (36–46), 165.4 (182–192), 308.3 (340–352), 333.3 (375–385), 338.7 (425–435), 426.5 (480–490), 462.1 (520–530)
54-01016	30.8 (30–40), 162.2 (178–190), 274.7 (318–324), 336.3 (386–396), 414.3 (473–483), 459.5 (530–540), 517.6 (592–602)
54-02001	20 (17.5–22.5), **40 (37.5–42.5)**, 60[a] (57.5–62.5), **80 (77.5–82.5),** 100 (97.5–102.5), **120 (117.5–122.5)**, **140 (137.5–142.5),** 160 (157.5–162.5), **180 (177.5–182.5)**, 200 (197.5–202.5)
54-02002	20 (17.5–22.5), **40 (37.5–42.5),** 60 (57.5–62.5), 80[a] (77.5–82.5), **100 (97.5–102.5)**, **120 (117.5–122.5)**, 140 (137.5–142.5), 157 (154.5–159.5), 180 (177.5–182.5), 200 (197.5–202.5)
54-02016	18[a] (15.5–20.5), **31 (28.5–33.5), 82 (79.5–84.5)**
54-02020	20 (10–30), 40 (30–50), 60 (50–70), 80 (70–90), 95 (90–110), 120 (110–130), 140 (130–150), 160 (150–170), 180 (170–190), 200 (190–210)
54-02021	**20 (10–30)**, 40 (30–50), 60 (50–70), 80[a] (70–90), **100 (90–110),** 120[a] (110–130), **140 (130–150), 160 (150–170)**, 180 (170–190), 198 (190–210)
54-02022	20 (17.5–22.5), **40 (37.5–42.5)**, 60 (57.5–62.5), **80 (77.5–82.5)**, 100 (97.5–102.5), **120 (117.5–122.5)**, **140 (137.5–142.5)**, 160 (157.5–162.5), 180 (177.5–182.5), 200 (197.5–202.5)
54-02023	20 (10–30), **40 (30–50)**, 60 (50–70), 80 (70–90), **100 (90–110), 120 (110–130)**, 140 (130–149), **159 (149–169)**, 180[a] (170–190), 200 (190–210)
54-02024	20 (10–30), **40 (30–50)**, 60 (50–70), 80 (70–90), **100 (90–110)**, 120[a] (110–130), **140 (130–150)**, **160 (150–170)**, 180 (170–190), 200 (190–210)
54-02025	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 190 (190)
54-02026	**20 (20)**, 60 (60), **100 (100)**, **160 (160)**, 200 (200), 215 (215)

Table 2.0-1 (continued)

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

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

[a] Blocked ports.

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

[c] Open borehole.

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

VOC	Henry's Law Constant[a] (dimensionless)	Groundwater SL (µg/L)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m^3)
Acetone	0.0016	22,000[b]	35,200
Benzene	0.228	5[c]	1140
Carbon Disulfide	1.2	1000[b]	1,200,000
Carbon Tetrachloride	1.25	5[c]	6250
Chlorobenzene	0.15	100[c]	15,000
Chloroform	0.15	100	15,000
Dichlorodifluoromethane	4.1	390[b]	1,599,000
Dichloroethane[1,1-]	0.23	25	5750
Dichloroethane[1,2-]	0.0401	5	200.5
Dichloroethene[1,1-]	1.1	5[d]	5500
Dichloropropane[1,2-]	0.11	5	550
Ethanol	na[e]	na	na
Ethylbenzene	0.323	700[c]	226,100
Hexane	5	880[b]	4,400,000
Methylene Chloride	0.09	5	450
Tetrachloroethene	0.754	5[c]	3770
Tetrahydrofuran	na	na	na
Toluene	0.272	750[d]	204,000
Trichloro-1,2,2-trifluoroethane[1,1,2-]	21.4	59,000[b]	1,262,600,000
Trichloroethane[1,1,1-]	0.705	60[d]	42,300
Trichloroethene	0.422	5	2110
Trichlorofluoromethane	4	1300[b]	5,200,000
Xylene[1,2-]	0.213	1400[b]	298,200
Xylene[1,3-]+Xylene[1,4-]	0.27[b]	200[b,f]	54,000

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

[a] NMED (2006, 092513, Appendix B).

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

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

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

[e] na = Not available.

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

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

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-01015	Ambient	Ambient	CO_2	NS[a]	NS	NS	NS	11/25/08	0	3/26/09	0
			O_2	NS	NS	NS	NS	11/25/08	21.2	3/26/09	21.2
	37.6	36–46	CO_2	6/13/08	0.4	NS	NS	11/25/08	0.3	3/26/09	0
			O_2	6/13/08	21	NS	NS	11/25/08	20.9	3/26/09	21.2
	165.4	182–192	CO_2	6/13/08	0.4	NS	NS	11/25/08	0.3	3/26/09	0
			O_2	6/13/08	21.1	NS	NS	11/25/08	20.7	3/26/09	20.9
	308.3	340–352	CO_2	NS	NS	NS	NS	11/25/08	0.2	3/26/09	0
			O_2	NS	NS	NS	NS	11/25/08	20.6	3/26/09	21
	333.3	375–385	CO_2	6/13/08	0	NS	NS	11/25/08	0	3/26/09	0
			O_2	6/13/08	21.3	NS	NS	11/25/08	21	3/26/09	21
	337.7	425–435	CO_2	6/13/08	0	NS	NS	11/25/08	0	3/26/09	0
			O_2	6/13/08	21.3	NS	NS	11/25/08	20.7	3/26/09	20.8
	426.5	480–490	CO_2	6/13/08	0	NS	NS	11/25/08	0	3/26/09	0
			O_2	6/13/08	21.3	NS	NS	11/25/08	21	3/26/09	20.7
	462.1	520–530	CO_2	6/13/08	0	NS	NS	11/25/08	0	3/26/09	0
			O_2	6/13/08	21.3	NS	NS	11/25/08	21.2	3/26/09	20.7
54-01016	Ambient	Ambient	CO_2	NS	NS	NS	NS	11/25/08	0	3/26/09	0
			O_2	SN	NS	NS	NS	11/25/08	21.3	3/26/09	20.9
	30.8	30–40	CO_2	6/13/08	0.5	NS	NS	11/25/08	0	3/26/09	0
			O_2	6/13/08	20.5	NS	NS	11/25/08	21.5	3/26/09	21.2
	162.2	178–190	CO_2	6/13/08	0.6	NS	NS	11/25/08	0	3/26/09	0
			O_2	6/13/08	20.4	NS	NS	11/25/08	21.4	3/26/09	21.2

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-01016	274.7	318–324	CO_2	6/13/08	0.3	NS	NS	11/25/08	0	3/26/09	0
			O_2	6/13/08	20.5	NS	NS	11/25/08	21.4	3/26/09	21.1
	336.3	386–396	CO_2	6/13/08	0.2	NS	NS	11/25/08	0	3/26/09	0
			O_2	6/13/08	20.8	NS	NS	11/25/08	21.4	3/26/09	21.1
	414.3	473–483	CO_2	NS	NS	NS	NS	11/25/08	0	3/26/09	0[b]
			O_2	NS	NS	NS	NS	11/25/08	21.4	3/26/09	21.1[b]
	459.5	530–540	CO_2	NS	NS	NS	NS	11/25/08	0	3/26/09	0[b]
			O_2	NS	NS	NS	NS	11/25/08	21.2	3/26/09	20.7[b]
	517.6	592–602	CO_2	NS	NS	NS	NS	11/25/08	0	3/26/09	0[b]
			O_2	NS	NS	NS	NS	11/25/08	20.8	3/26/09	20.1[b]
54-02001	Ambient	Ambient	CO_2	5/27/08	0	8/27/08	0	11/14/08	0	3/10/09	0
			O_2	5/27/08	21.1	8/27/08	21.1	11/14/08	21.3	3/10/09	21.2
	20	17.5–22.5	CO_2	5/27/08	1.4	8/27/08	1.1	11/14/08	1.7	3/10/09	1.4
			O_2	5/27/08	20	8/27/08	20	11/14/08	19.8	3/10/09	20.8
	40	37.5–42.5	CO_2	5/27/08	1.2	8/27/08	0.8	11/14/08	1.5	3/10/09	0.7
			O_2	5/27/08	19.8	8/27/08	20	11/14/08	19.5	3/10/09	21.1
	60	57.5–62.5	CO_2	5/27/08	1	8/27/08	0.6	11/14/08	0.9	3/10/09	0.7[c]
			O_2	5/27/08	19.9	8/27/08	20	11/14/08	19.8	3/10/09	20.9[c]
	80	77.5–82.5	CO_2	5/27/08	1	8/27/08	0.7	11/14/08	1.2	3/10/09	1
			O_2	5/27/08	20.2	8/27/08	20	11/14/08	19.6	3/10/09	20.3
	100	97.5–102.5	CO_2	5/27/08	0.9	8/27/08	0.6	11/14/08	1	3/10/09	1.7
			O_2	5/27/08	20.4	8/27/08	20	11/14/08	19.6	3/10/09	20.2
	120	117.5–122.5	CO_2	5/27/08	0.8	8/27/08	0.6	11/14/08	0.9	3/10/09	1.4
			O_2	5/27/08	20.8	8/27/08	20	11/14/08	19.6	3/10/09	20.2

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02001	140	137.5–142.5	CO_2	5/27/08	0.8	8/27/08	0.6	11/14/08	1	3/10/09	1.4
			O_2	5/27/08	20.8	8/27/08	20	11/14/08	19.7	3/10/09	20.3
	160	157.5–162.5	CO_2	5/27/08	0.7	8/27/08	0.5	11/14/08	0.1	3/10/09	1.4[b]
			O_2	5/27/08	20.8	8/27/08	20	11/14/08	20.4	3/10/09	20.3[b]
	180	177.5–182.5	CO_2	5/27/08	0.5	8/27/08	0.4	11/14/08	1	3/10/09	0.8[b]
			O_2	5/27/08	21.2	8/27/08	20	11/14/08	19.7	3/10/09	20.9[b]
	200	197.5–202.5	CO_2	5/27/08	0.6	8/27/08	0.4	11/14/08	0.9	3/10/09	1.3
			O_2	5/27/08	21.2	8/27/08	20	11/14/08	19.8	3/10/09	20.2
54-02002	Ambient	Ambient	CO_2	6/3/08	0	8/7/08	0	11/17/08	0	3/19/09	0.1
			O_2	6/3/08	21.3	8/7/08	20.9	11/17/08	21.7	3/19/09	21.2
	20	17.5–22.5	CO_2	NS	NS	8/7/08	0	11/17/08	1.4	3/19/09	1.4
			O_2	NS	NS	8/7/08	20.9	11/17/08	20.3	3/19/09	19.9
	40	37.5–42.5	CO_2	NS	NS	8/7/08	0	11/17/08	1.7	3/19/09	1.5
			O_2	NS	NS	8/7/08	20.9	11/17/08	19.6	3/19/09	19.7
	60	57.5–62.5	CO_2	6/3/08	1.7	8/7/08	0	11/17/08	2.2	3/19/09	1.8
			O_2	6/3/08	19.5	8/7/08	20.8	11/17/08	19.2	3/19/09	19.3
	80	77.5–82.5	CO_2	NS	NS	8/7/08	1.4	11/17/08	2.1	3/19/09	2[c]
			O_2	NS	NS	8/7/08	19.5	11/17/08	19.3	3/19/09	19.1[c]
	100	97.5–102.5	CO_2	6/3/08	1.7	8/7/08	1.4	11/17/08	2.1	3/19/09	0
			O_2	6/3/08	19.7	8/7/08	19.5	11/17/08	19.3	3/19/09	21
	120	117.5–122.5	CO_2	6/3/08	1.6	8/7/08	1.1	11/17/08	1.8	3/19/09	1.7
			O_2	6/3/08	19.8	8/7/08	19.5	11/17/08	19.7	3/19/09	19.8
	140	137.5–142.5	CO_2	6/3/08	1.4	8/7/08	1.2	11/17/08	1.7	3/19/09	1.6
			O_2	6/3/08	19.8	8/7/08	19.5	11/17/08	19.5	3/19/09	19.7

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02002	157	154.5–159.5	CO_2	6/3/08	1.3	8/7/08	0.9	11/17/08	1.6	3/19/09	0
			O_2	6/3/08	20	8/7/08	19.8	11/17/08	19.6	3/19/09	21.3
	180	177.5–182.5	CO_2	6/3/08	1.7	8/7/08	1.2	11/17/08	1.8	3/19/09	1.6
			O_2	6/3/08	19.8	8/7/08	19.5	11/17/08	19.4	3/19/09	19.7
	200	197.5–202.5	CO_2	6/3/08	1	8/7/08	0.7	11/17/08	0.9	3/19/09	0.5
			O_2	6/3/08	20.2	8/7/08	19.9	11/17/08	20	3/19/09	20.8
54-02016	Ambient	Ambient	CO_2	5/16/08	0	8/20/08	0	11/4/08	0.3	3/12/09	0.4
			O_2	5/16/08	21.1	8/20/08	20.9	11/4/08	20.4	3/12/09	21.6
	18	15.5–20.5	CO_2	5/16/08	2.1	8/20/08	1.7	11/4/08	1	3/12/09	0.4[c]
			O_2	5/16/08	19	8/20/08	19.2	11/4/08	19.1	3/12/09	21.7[c]
	31	28.5–33.5	CO_2	5/16/08	3.1	8/20/08	2.5	11/4/08	3.8	3/12/09	0.5
			O_2	5/16/08	18.2	8/20/08	18.1	11/4/08	8.6	3/12/09	20.5
	82	79.5–84.5	CO_2	5/16/08	2.6	8/20/08	2.1	11/4/08	3.6	3/12/09	0.8
			O_2	5/16/08	18.7	8/20/08	18.5	11/4/08	8.8	3/12/09	21.3
54-02020	Ambient	Ambient	CO_2	NS	NS	NS	NS	11/24/08	0	3/24/09	0
			O_2	NS	NS	NS	NS	11/24/08	21.4	3/24/09	21.7
	20	10–30	CO_2	NS	NS	NS	NS	11/24/08	0.8	3/24/09	0.1
			O_2	NS	NS	NS	NS	11/24/08	20.7	3/24/09	21.6
	40	30–50	CO_2	NS	NS	NS	NS	11/24/08	0.8	3/24/09	0.1
			O_2	NS	NS	NS	NS	11/24/08	20.6	3/24/09	21.6
	60	50–70	CO_2	NS	NS	NS	NS	11/24/08	0.8	3/24/09	0
			O_2	NS	NS	NS	NS	11/24/08	20.5	3/24/09	21.4
	80	70–90	CO_2	NS	NS	NS	NS	11/24/08	0.7	3/24/09	0.1
			O_2	NS	NS	NS	NS	11/24/08	20.4	3/24/09	20.5

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02020	95	90–110	CO_2	NS	NS	NS	NS	11/24/08	0.7	3/24/09	0.1
			O_2	NS	NS	NS	NS	11/24/08	20.3	3/24/09	21.3
	120	110–130	CO_2	NS	NS	NS	NS	11/24/08	0.7	3/24/09	0
			O_2	NS	NS	NS	NS	11/24/08	20.3	3/24/09	21.2
	140	130–150	CO_2	NS	NS	NS	NS	11/24/08	0.7	3/24/09	0
			O_2	NS	NS	NS	NS	11/24/08	20.3	3/24/09	21.2
	160	150–170	CO_2	NS	NS	NS	NS	11/24/08	0.7	3/24/09	0
			O_2	NS	NS	NS	NS	11/24/08	20.3	3/24/09	21.7
	180	170–190	CO_2	NS	NS	NS	NS	11/24/08	0.7	3/24/09	0
			O_2	NS	NS	NS	NS	11/24/08	20.3	3/24/09	21.3
	200	190–210	CO_2	NS	NS	NS	NS	11/24/08	0.6	3/24/09	0
			O_2	NS	NS	NS	NS	11/24/08	20.3	3/24/09	21.1
54-02021	Ambient	Ambient	CO_2	5/28/08	0	8/25/08	0	11/12/08	0	3/11/09	0.6
			O_2	5/28/08	21.2	8/25/08	21.1	11/12/08	21.5	3/11/09	21.1
	20	10–30	CO_2	5/28/08	0.7	8/25/08	0.2	11/12/08	0.8	3/11/09	0.9
			O_2	5/28/08	20.7	8/25/08	20.8	11/12/08	20.4	3/11/09	20.7
	40	30–50	CO_2	5/28/08	0.8	8/25/08	0.4	11/12/08	0.7	3/11/09	0.6
			O_2	5/28/08	20.7	8/25/08	20.4	11/12/08	20.6	3/11/09	20.9
	60	50–70	CO_2	5/28/08	0.8	8/25/08	0.4	11/12/08	0.7	3/11/09	0.5
			O_2	5/28/08	20.7	8/25/08	20.4	11/12/08	20.6	3/11/09	20.9
	80	70–90	CO_2	5/28/08	0.8	8/25/08	0.4	11/12/08	0.6	3/11/09	0.5[c]
			O_2	5/28/08	20.7	8/25/08	20.4	11/12/08	20.7	3/11/09	21[c]
	100	90–110	CO_2	5/28/08	0.8	8/25/08	0.5	11/12/08	0.7	3/11/09	0.7
			O_2	5/28/08	20.7	8/25/08	20.3	11/12/08	20.4	3/11/09	20.6

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02021	120	110–130	CO_2	5/28/08	0.7	8/25/08	0.4	11/12/08	0.6	3/11/09	0.9[c]
			O_2	5/28/08	20.9	8/25/08	20.3	11/12/08	20.6	3/11/09	20.6[c]
	140	130–150	CO_2	5/28/08	0.8	8/25/08	0.4	11/12/08	0.7	3/11/09	0.5
			O_2	5/28/08	20.8	8/25/08	20.3	11/12/08	20.6	3/11/09	21.1
	160	150–170	CO_2	5/28/08	0.7	8/25/08	0.2	11/12/08	0.7	3/11/09	0.4
			O_2	5/28/08	21	8/25/08	20.4	11/12/08	20.6	3/11/09	21.4
	180	170–190	CO_2	5/28/08	0.7	8/25/08	0.4	11/12/08	0.7	3/11/09	0.7
			O_2	5/28/08	21.2	8/25/08	20.3	11/12/08	20.7	3/11/09	21.1
	198	190–210	CO_2	5/28/08	0.6	8/25/08	0.4	11/12/08	0.6	3/11/09	0.4
			O_2	5/28/08	21.1	8/25/08	20.3	11/12/08	20.7	3/11/09	21.4
54-02022	Ambient	Ambient	CO_2	5/23/08	0	8/28/08	0	11/13/08	0	3/11/09	0.6
			O_2	5/23/08	21.2	8/28/08	20.8	11/13/08	21.4	3/11/09	21.3
	20	17.5–22.5	CO_2	5/23/08	1.1	8/28/08	0.8	11/13/08	1.4	3/11/09	1.5
			O_2	5/23/08	20.6	8/28/08	20	11/13/08	20	3/11/09	20.8
	40	37.5–42.5	CO_2	5/23/08	1.1	8/28/08	0.7	11/13/08	1	3/11/09	1.5
			O_2	5/23/08	20.6	8/28/08	20.2	11/13/08	19.9	3/11/09	20.5
	60	57.5–62.5	CO_2	5/23/08	1.1	8/28/08	0.7	11/13/08	0.7	3/11/09	0.9
			O_2	5/23/08	20.5	8/28/08	20.1	11/13/08	20.3	3/11/09	21.1
	80	77.5–82.5	CO_2	5/23/08	1.1	8/28/08	0.7	11/13/08	0.9	3/11/09	1.4
			O_2	5/23/08	20.6	8/28/08	20.1	11/13/08	20.1	3/11/09	20.7
	100	97.5–102.5	CO_2	5/23/08	1	8/28/08	0.6	11/13/08	0.9	3/11/09	1.5
			O_2	5/23/08	20.7	8/28/08	20.3	11/13/08	20.2	3/11/09	20.6
	120	117.5–122.5	CO_2	5/23/08	1	8/28/08	0.6	11/13/08	0.9	3/11/09	1.3
			O_2	5/23/08	20.6	8/28/08	20.1	11/13/08	19.9	3/11/09	20.7

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02022	140	137.5–142.5	CO_2	5/23/08	0.9	8/28/08	0.5	11/13/08	0.8	3/11/09	1.8
			O_2	5/23/08	20.7	8/28/08	20.2	11/13/08	20.2	3/11/09	20.8
	160	157.5–162.5	CO_2	5/23/08	0.9	8/28/08	0.5	11/13/08	0.8	3/11/09	1
			O_2	5/23/08	20.7	8/28/08	20.2	11/13/08	20.3	3/11/09	20.7
	180	177.5–182.5	CO_2	5/23/08	0.9	8/28/08	0.5	11/13/08	0.7	3/11/09	0.9
			O_2	5/23/08	20.7	8/28/08	20.4	11/13/08	20.3	3/11/09	20.8
	200	197.5–202.5	CO_2	5/23/08	0.8	8/28/08	0.4	11/13/08	0.7	3/11/09	0.6
			O_2	5/23/08	20.7	8/28/08	20.4	11/13/08	20.3	3/11/09	21.2
54-02023	Ambient	Ambient	CO_2	6/9/08	0	NS	NS	11/18/08	0.1	3/24/09	0
			O_2	6/9/08	21.8	NS	NS	11/18/08	21.4	3/24/09	20.7
	20	10–30	CO_2	6/9/08	1.5	8/15/08	1.5	11/18/08	2.1	3/24/09	1.4
			O_2	6/9/08	20.3	8/15/08	19.7	11/18/08	19.7	3/24/09	19.8
	40	30–50	CO_2	6/9/08	1.2	8/15/08	1.2	11/18/08	2	3/24/09	0.4
			O_2	6/9/08	20.2	8/15/08	19.8	11/18/08	19.7	3/24/09	20.6
	60	50–70	CO_2	6/9/08	0.6	8/15/08	0.6	11/18/08	0.9	3/24/09	0.8
			O_2	6/9/08	20.7	8/15/08	20.3	11/18/08	20.3	3/24/09	20.1
	80	70–90	CO_2	6/9/08	0.7	8/15/08	0.8	11/18/08	1.3	3/24/09	0.1
			O_2	6/9/08	20.6	8/15/08	20.2	11/18/08	20.1	3/24/09	21
	100	90–110	CO_2	6/9/08	0.8	8/15/08	0.8	11/18/08	1.2	3/24/09	0
			O_2	6/9/08	20.5	8/15/08	20.2	11/18/08	20.2	3/24/09	21.2
	120	110–130	CO_2	6/9/08	0.7	8/15/08	0.7	11/18/08	0.9	3/24/09	0
			O_2	6/9/08	20.8	8/15/08	20.2	11/18/08	20.2	3/24/09	20.9
	140	130–149	CO_2	6/9/08	0.6	8/15/08	0.6	11/18/08	0.8	3/24/09	0[b]
			O_2	6/9/08	20.8	8/15/08	20.2	11/18/08	20.2	3/24/09	20.9[b]

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02023	159	149–169	CO_2	6/9/08	0.5	8/15/08	0.5	11/18/08	0.7	3/24/09	0
			O_2	6/9/08	21.1	8/15/08	20.4	11/18/08	20.2	3/24/09	20.9
	180	170–190	CO_2	6/9/08	0.5	8/15/08	0.7	11/18/08	1.1	3/24/09	0.9[c]
			O_2	6/9/08	21	8/15/08	20.3	11/18/08	19.9	3/24/09	20.2[c]
	200	190–210	CO_2	6/9/08	0.3	8/15/08	0.5	11/18/08	0.6	3/24/09	0
			O_2	6/9/08	21	8/15/08	20.3	11/18/08	20.2	3/24/09	21
54-02024	Ambient	Ambient	CO_2	6/9/08	0	8/6/08	0	11/18/08	0	3/21/09	0.1
			O_2	6/9/08	21.2	8/6/08	20.7	11/18/08	21.4	3/21/09	20.9
	20	10–30	CO_2	6/9/08	0.9	8/6/08	0.6	11/18/08	0.8	3/21/09	0.4
			O_2	6/9/08	20.7	8/6/08	20.7	11/18/08	20.5	3/21/09	20.6
	40	30–50	CO_2	6/9/08	0.7	8/6/08	0.4	11/18/08	0.8	3/21/09	0.3
			O_2	6/9/08	20.8	8/6/08	20.7	11/18/08	20.4	3/21/09	20.7
	60	50–70	CO_2	6/9/08	0.7	8/6/08	0.5	11/18/08	0.8	3/21/09	0
			O_2	6/9/08	20.6	8/6/08	20.7	11/18/08	20.3	3/21/09	20.9
	80	70–90	CO_2	6/9/08	0.6	8/6/08	0.4	11/18/08	0.8	3/21/09	0.3
			O_2	6/9/08	20.7	8/6/08	20.6	11/18/08	20.4	3/21/09	20.7
	100	90–110	CO_2	6/9/08	0.6	8/6/08	0.4	11/18/08	0.8	3/21/09	0.6
			O_2	6/9/08	21	8/6/08	20.6	11/18/08	20.2	3/21/09	20.5
	120	110–130	CO_2	6/9/08	0.6	8/6/08	NS	11/18/08	0.8	3/21/09	0[c]
			O_2	6/9/08	21	8/6/08	NS	11/18/08	20.2	3/21/09	20.7[c]
	140	130–150	CO_2	6/9/08	0.5	8/6/08	0.4	11/18/08	0.8	3/21/09	0
			O_2	6/9/08	21.3	8/6/08	20.7	11/18/08	20.2	3/21/09	21.1
	160	150–170	CO_2	6/9/08	0.5	8/6/08	0.3	11/18/08	0.8	3/21/09	0
			O_2	6/9/08	21.2	8/6/08	20.6	11/18/08	20.2	3/21/09	21.2

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02024	180	170–190	CO_2	6/9/08	0.4	8/6/08	0.3	11/18/08	0.8	3/21/09	0
			O_2	6/9/08	21.2	8/6/08	20.7	11/18/08	20.2	3/21/09	20.9
	200	190–210	CO_2	6/9/08	0.4	8/6/08	0.3	11/18/08	0.7	3/21/09	0.2
			O_2	6/9/08	21	8/6/08	20.8	11/18/08	20.2	3/21/09	21.1
54-02025	Ambient	Ambient	CO_2	NS	NS	8/13/08	0	11/20/08	0	3/20/09	0.2
			O_2	NS	NS	8/13/08	21.1	11/20/08	21.3	3/20/09	21
	20	20	CO_2	5/30/08	0.8	8/13/08	0.6	11/20/08	0.7	3/20/09	0.3
			O_2	5/30/08	20.4	8/13/08	20.6	11/20/08	20.7	3/20/09	20.6
	60	60	CO_2	NS	NS	8/13/08	0.1	11/20/08	0.1	3/20/09	0.2
			O_2	NS	NS	8/13/08	20.8	11/20/08	21.3	3/20/09	20.7
	100	100	CO_2	5/30/08	0.8	8/13/08	0.6	11/20/08	1	3/20/09	0.2
			O_2	5/30/08	20.5	8/13/08	20.2	11/20/08	20.1	3/20/09	20.7
	160	160	CO_2	5/30/08	0.8	8/13/08	0.5	11/20/08	1	3/20/09	0.1
			O_2	5/30/08	20.4	8/13/08	20.2	11/20/08	20.1	3/20/09	20.9
	190	190	CO_2	5/30/08	0.6	8/13/08	0.4	11/20/08	0.8	3/20/09	0.4
			O_2	5/30/08	20.7	8/13/08	20.3	11/20/08	20.2	3/20/09	20.6
54-02026	Ambient	Ambient	CO_2	NS	NS	8/13/08	0	11/20/08	0	3/20/09	0.1
			O_2	NS	NS	8/13/08	21.2	11/20/08	21.5	3/20/09	20.9
	20	20	CO_2	6/5/08	0.2	8/13/08	0.6	11/20/08	0.8	3/20/09	0.3
			O_2	6/5/08	18.8	8/13/08	20.7	11/20/08	21.1	3/20/09	20.7
	60	60	CO_2	6/5/08	0.1	8/13/08	0.5	11/20/08	0.9	3/20/09	0.5
			O_2	6/5/08	18.7	8/13/08	20.5	11/20/08	21	3/20/09	20.6
	100	100	CO_2	6/5/08	0	8/13/08	0.5	11/20/08	0.8	3/20/09	0.1
			O_2	6/5/08	18.7	8/13/08	20.5	11/20/08	21	3/20/09	20.8

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02026	160	160	CO_2	6/5/08	0	8/13/08	0.4	11/20/08	0.6	3/20/09	0.1
			O_2	6/5/08	18.7	8/13/08	20.6	11/20/08	21.2	3/20/09	20.8
	200	200	CO_2	6/5/08	0	8/13/08	0.2	11/20/08	0.6	3/20/09	0.3
			O_2	6/5/08	18.5	8/13/08	20.9	11/20/08	21.1	3/20/09	20.7
	215	215	CO_2	6/5/08	0	8/13/08	0.1	11/20/08	0.6	3/20/09	0.1
			O_2	6/5/08	18.4	8/13/08	20.9	11/20/08	21.5	3/20/09	20.8
54-02027	Ambient	Ambient	CO_2	6/4/08	0	8/14/08	0	11/20/08	0	3/20/09	0
			O_2	6/4/08	21.5	8/14/08	21.0	11/20/08	21.5	3/20/09	21.2
	20	20	CO_2	6/4/08	0.7	8/14/08	0.5	11/20/08	0.8	3/20/09	0.5
			O_2	6/4/08	20.8	8/14/08	20.8	11/20/08	20.6	3/20/09	20.8
	60	60	CO_2	6/4/08	0.6	8/14/08	0.5	11/20/08	0.8	3/20/09	0.6
			O_2	6/4/08	20.8	8/14/08	20.6	11/20/08	20.5	3/20/09	20.7
	100	100	CO_2	6/4/08	0.6	8/14/08	0.4	11/20/08	0.6	3/20/09	0.5
			O_2	6/4/08	20.6	8/14/08	20.5	11/20/08	20.3	3/20/09	21
	160	160	CO_2	6/4/08	0.5	8/14/08	0.3	11/20/08	0.7	3/20/09	0.1
			O_2	6/4/08	20.6	8/14/08	20.5	11/20/08	20.4	3/20/09	21.4
	200	200	CO_2	6/4/08	0.4	8/14/08	0.2	11/20/08	0.6	3/20/09	0
			O_2	6/4/08	20.6	8/14/08	20.5	11/20/08	20.4	3/20/09	21.3
	220	220	CO_2	6/4/08	0.4	8/14/08	0.2	11/20/08	0.6	3/20/09	0
			O_2	6/4/08	20.6	8/14/08	20.5	11/20/08	20.3	3/20/09	21.4
	250	250	CO_2	6/4/08	0.3	8/14/08	0.1	11/20/08	0.4	3/20/09	0
			O_2	6/4/08	20.8	8/14/08	20.5	11/20/08	20.5	3/20/09	21.4
54-02028	Ambient	Ambient	CO_2	6/5/08	0	8/14/08	0	11/26/08	0	3/21/09	0
			O_2	6/5/08	19.7	8/14/08	21.0	11/26/08	20.6	3/21/09	21

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02028	20	20	CO_2	6/5/08	0.1	8/14/08	0.3	11/26/08	0.4	3/21/09	0.3
			O_2	6/5/08	19.1	8/14/08	20.8	11/26/08	20.5	3/21/09	20.9
	60	60	CO_2	6/5/08	0	8/14/08	0.2	11/26/08	0.5	3/21/09	0.3
			O_2	6/5/08	18.9	8/14/08	20.7	11/26/08	20.5	3/21/09	20.8
	100	100	CO_2	6/5/08	0	8/14/08	0.2	11/26/08	0.5	3/21/09	0
			O_2	6/5/08	18.6	8/14/08	20.5	11/26/08	20.7	3/21/09	21
	160	160	CO_2	6/5/08	0	8/14/08	0.1	11/26/08	0.4	3/21/09	0
			O_2	6/5/08	18.5	8/14/08	20.7	11/26/08	20.5	3/21/09	20.8
	200	200	CO_2	6/5/08	0	8/14/08	0.7	11/26/08	0.4	3/21/09	0.2
			O_2	6/5/08	18.4	8/14/08	20.7	11/26/08	20.6	3/21/09	20.8
	220	220	CO_2	6/5/08	0	8/14/08	0.1	11/26/08	0.4	3/21/09	0.2
			O_2	6/5/08	18.5	8/14/08	20.8	11/26/08	20.7	3/21/09	20.9
	250	250	CO_2	6/5/08	0	8/14/08	0	11/26/08	0.4	3/21/09	0
			O_2	6/5/08	18.5	8/14/08	20.7	11/26/08	20.7	3/21/09	21
54-02031	Ambient	Ambient	CO_2	5/29/08	0	8/27/08	0	11/12/08	0	3/12/09	0.5
			O_2	5/29/08	21.1	8/27/08	21.1	11/12/08	21.3	3/12/09	21.1
	20	20	CO_2	5/29/08	1.5	8/27/08	1.5	11/12/08	2	3/12/09	0.9
			O_2	5/29/08	20.1	8/27/08	19.8	11/12/08	19.6	3/12/09	20.7
	60	60	CO_2	5/29/08	1.1	8/27/08	0.7	11/12/08	1	3/12/09	0.9
			O_2	5/29/08	20.3	8/27/08	20.4	11/12/08	20.2	3/12/09	20.8
	100	100	CO_2	5/29/08	0.9	8/27/08	0.6	11/12/08	0.8	3/12/09	0.5
			O_2	5/29/08	20.5	8/27/08	20.2	11/12/08	20.4	3/12/09	21.1
	160	160	CO_2	5/29/08	0.8	8/27/08	0.5	11/12/08	0.7	3/12/09	0.7
			O_2	5/29/08	20.7	8/27/08	20.3	11/12/08	20.4	3/12/09	20.9

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02031	200	200	CO_2	5/29/08	0.7	8/27/08	0.8	11/12/08	0.6	3/12/09	0.6
			O_2	5/29/08	20.8	8/27/08	20.3	11/12/08	20.4	3/12/09	21.1
	220	220	CO_2	5/29/08	0.7	8/27/08	0.6	11/12/08	0.8	3/12/09	0.4[c]
			O_2	5/29/08	21.1	8/27/08	20.2	11/12/08	20.4	3/12/09	21.4[c]
	260	260	CO_2	5/29/08	0.6	8/27/08	0.4	11/12/08	0.6	3/12/09	0.4
			O_2	5/29/08	21.2	8/27/08	20.5	11/12/08	20.2	3/12/09	21.4
54-02034	Ambient	Ambient	CO_2	5/27/08	0	8/29/08	0	11/13/08	0	3/10/09	0.6
			O_2	5/27/08	21.8	8/29/08	21.1	11/13/08	21	3/10/09	21.6
	20	20	CO_2	5/27/08	1.6	8/29/08	1.6	11/13/08	2.4	3/10/09	2
			O_2	5/27/08	20.5	8/29/08	19.5	11/13/08	19.5	3/10/09	20.6
	60	60	CO_2	5/27/08	1	8/29/08	0.8	11/13/08	1.4	3/10/09	1.5
			O_2	5/27/08	20.1	8/29/08	20.1	11/13/08	20	3/10/09	21.1
	100	100	CO_2	5/27/08	0.3	8/29/08	0.7	11/13/08	1	3/10/09	1.3
			O_2	5/27/08	21.3	8/29/08	20.2	11/13/08	20.1	3/10/09	21.1
	160	160	CO_2	5/27/08	0.6	8/29/08	0.5	11/13/08	0.7	3/10/09	1.2
			O_2	5/27/08	21.2	8/29/08	20.7	11/13/08	20.4	3/10/09	21.1
	200	200	CO_2	5/27/08	0.6	8/29/08	0.4	11/13/08	0.7	3/10/09	1
			O_2	5/27/08	21.1	8/29/08	20.5	11/13/08	20.4	3/10/09	21
	220	220	CO_2	5/27/08	0.5	8/29/08	0.4	11/13/08	0.6	3/10/09	0.6
			O_2	5/27/08	21	8/29/08	20.5	11/13/08	20.5	3/10/09	21.7
	260	260	CO_2	5/27/08	0.4	8/29/08	0.2	11/13/08	0.4	3/10/09	0.9
			O_2	5/27/08	21.1	8/29/08	20.7	11/13/08	20.6	3/10/09	21.1
	300	300	CO_2	5/27/08	0.2	8/29/08	0	11/13/08	0.2	3/10/09	0.8
			O_2	5/27/08	21.3	8/29/08	20.8	11/13/08	20.9	3/10/09	21.2

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-02089	Ambient	Ambient	CO_2	5/19/08	0	8/21/08	0	11/7/08	0	3/16/09	0.2
			O_2	5/19/08	21.8	8/21/08	21.1	11/7/08	21.3	3/16/09	21.3
	13	13	CO_2	5/19/08	3.5	8/21/08	3	11/7/08	4.2	3/16/09	1.7
			O_2	5/19/08	17.6	8/21/08	17.4	11/7/08	8.5	3/16/09	20.1
	31	31	CO_2	5/19/08	0	8/21/08	3.4	11/7/08	4.8	3/16/09	0.3
			O_2	5/19/08	21.7	8/21/08	16.5	11/7/08	7.9	3/16/09	21.3
	46	46	CO_2	5/19/08	3.6	8/21/08	3.5	11/7/08	4.4	3/16/09	0.9
			O_2	5/19/08	17.2	8/21/08	16.2	11/7/08	8	3/16/09	20.5
	86	86	CO_2	5/19/08	3.4	8/21/08	2.9	11/7/08	3.7	3/16/09	2.2
			O_2	5/19/08	17.3	8/21/08	17.1	11/7/08	8.7	3/16/09	19.3
54-24238	Ambient	Ambient	CO_2	5/16/08	0	8/20/08	0	11/7/08	0	3/16/09	0.3
			O_2	5/16/08	21.1	8/20/08	20.9	11/7/08	21.2	3/16/09	21.2
	44	43–45	CO_2	5/16/08	4	8/20/08	3.1	11/7/08	4.9	3/16/09	3.2
			O_2	5/16/08	16.5	8/20/08	16.5	11/7/08	7.9	3/16/09	18.2
	64	63–65	CO_2	5/16/08	3.5	8/20/08	2.7	11/7/08	3.9	3/16/09	2.9
			O_2	5/16/08	17.1	8/20/08	17.2	11/7/08	8.5	3/16/09	18.3
	84	83–85	CO_2	5/16/08	3.2	8/20/08	1.6	11/7/08	3.7	3/16/09	2.5
			O_2	5/16/08	17.4	8/20/08	18.9	11/7/08	16.8	3/16/09	18.7
54-24239	Ambient	Ambient	CO_2	5/20/08	0	8/21/08	0	11/12/08	0	3/17/09	0.2
			O_2	5/20/08	21.6	8/21/08	21.1	11/12/08	20.9	3/17/09	20.7
	25	24–26	CO_2	5/20/08	1.1	8/21/08	1.2	11/12/08	1.8	3/17/09	1.5
			O_2	5/20/08	20.1	8/21/08	19.6	11/12/08	19.4	3/17/09	19.9
	50	49–51	CO_2	5/20/08	1.4	8/21/08	1.2	11/12/08	1.8	3/17/09	1.6
			O_2	5/20/08	20.1	8/21/08	19.7	11/12/08	19.4	3/17/09	19.7

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24239	75	74–76	CO_2	5/20/08	1.4	8/21/08	1.2	11/12/08	1.7	3/17/09	1.6
			O_2	5/20/08	20.1	8/21/08	19.7	11/12/08	19.4	3/17/09	19.6
	99.5	98.5–100.5	CO_2	5/20/08	1.3	8/21/08	1.1	11/12/08	1.7	3/17/09	1.5
			O_2	5/20/08	20.1	8/21/08	19.7	11/12/08	19.6	3/17/09	19.5
54-24240	Ambient	Ambient	CO_2	6/16/08	0	8/22/08	0	11/10/08	0	3/14/09	0.4
			O_2	6/16/08	21.3	8/22/08	21.0	11/10/08	21	3/14/09	21
	28	27–29	CO_2	6/16/08	2.5	8/22/08	2.3	11/10/08	3.1	3/14/09	1.7
			O_2	6/16/08	18.9	8/22/08	17.9	11/10/08	18.2	3/14/09	20.1
	53	52–54	CO_2	6/16/08	2.4	8/22/08	1.8	11/10/08	2.5	3/14/09	1.7
			O_2	6/16/08	19	8/22/08	18.7	11/10/08	18.6	3/14/09	19.8
	78	77–79	CO_2	6/16/08	1.7	8/22/08	1.1	11/10/08	1.6	3/14/09	1.4
			O_2	6/16/08	19.8	8/22/08	19.5	11/10/08	19.6	3/14/09	20.1
	103	102–104	CO_2	6/16/08	1.2	8/22/08	0.8	11/10/08	1	3/14/09	0.9
			O_2	6/16/08	20.1	8/22/08	19.9	11/10/08	20.1	3/14/09	20.4
	128	127–129	CO_2	6/16/08	1	8/22/08	0.7	11/10/08	1	3/14/09	0.8
			O_2	6/16/08	20.5	8/22/08	20	11/10/08	20.1	3/14/09	20.6
	153	152–154	CO_2	6/16/08	0.9	8/22/08	0.6	11/10/08	0.9	3/14/09	0.8
			O_2	6/16/08	20.6	8/22/08	20.2	11/10/08	20.2	3/14/09	20.5
54-24241	Ambient	Ambient	CO_2	5/20/08	0	8/15/08	0	11/10/08	0	3/16/09	0.2
			O_2	5/20/08	20.9	8/15/08	21.1	11/10/08	21.1	3/16/09	21
	73	71–74	CO_2	5/20/08	1.9	8/15/08	1.8	11/10/08	2.4	3/16/09	1.8
			O_2	5/20/08	19.1	8/15/08	18.6	11/10/08	18.8	3/16/09	19.3
	93	92–94	CO_2	5/20/08	1.6	8/15/08	1.6	11/10/08	2.3	3/16/09	1.7
			O_2	5/20/08	19.4	8/15/08	18.9	11/10/08	18.7	3/16/09	19.4

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24241	113	112–114	CO_2	5/20/08	1.2	8/15/08	1.3	11/10/08	2.1	3/16/09	1.5
			O_2	5/20/08	19.7	8/15/08	19.1	11/10/08	19.4	3/16/09	19.8
	133	132–134	CO_2	5/20/08	1.1	8/15/08	1.1	11/10/08	1.7	3/16/09	1.3
			O_2	5/20/08	19.8	8/15/08	19.3	11/10/08	19.6	3/16/09	19.8
	153	152–154	CO_2	5/20/08	1	8/15/08	0.9	11/10/08	1.5	3/16/09	1.2
			O_2	5/20/08	19.9	8/15/08	19.5	11/10/08	19.6	3/16/09	19.8
	173	172–174	CO_2	5/20/08	1.8	8/15/08	0.9	11/10/08	1.5	3/16/09	1
			O_2	5/20/08	19.3	8/15/08	19.6	11/10/08	19.8	3/16/09	20.1
	193	192–194	CO_2	5/20/08	0.9	8/15/08	0.9	11/10/08	1.4	3/16/09	1.2
			O_2	5/20/08	20.3	8/15/08	19.6	11/10/08	19.6	3/16/09	20.2
54-24242	Ambient	Ambient	CO_2	5/21/08	0	8/21/08	0	11/7/08	0	3/17/09	0.3
			O_2	5/21/08	20.9	8/21/08	20.9	11/7/08	21.6	3/17/09	20.9
	25	24–26	CO_2	5/21/08	1.7	8/21/08	1.3	11/7/08	1.9	3/17/09	1
			O_2	5/21/08	19.7	8/21/08	19.2	11/7/08	19.7	3/17/09	20
	50	49–51	CO_2	5/21/08	1.7	8/21/08	1.3	11/7/08	1.8	3/17/09	1
			O_2	5/21/08	19.7	8/21/08	19.4	11/7/08	19.7	3/17/09	20.1
	75	74–76	CO_2	5/21/08	1.7	8/21/08	1.3	11/7/08	1.8	3/17/09	0.3
			O_2	5/21/08	19.6	8/21/08	19.3	11/7/08	19.4	3/17/09	20.7
	100	99–101	CO_2	5/21/08	1.7	8/21/08	1.3	11/7/08	1.5	3/17/09	1.3
			O_2	5/21/08	19.6	8/21/08	19.4	11/7/08	19.5	3/17/09	19.9
	110.5	109.5–111.5	CO_2	5/21/08	NS	8/21/08	1.3	11/7/08	1.7	3/17/09	1.5
			O_2	5/21/08	NS	8/21/08	19.6	11/7/08	19.6	3/17/09	19.7

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-24243	Ambient	Ambient	CO_2	6/3/08	0	8/6/08	0	11/14/08	0	3/19/09	0.2
			O_2	6/3/08	21.4	8/6/08	21.0	11/14/08	21.4	3/19/09	21.1
	25	24–26	CO_2	6/3/08	2	8/6/08	1.5	11/14/08	2.3	3/19/09	1.6
			O_2	6/3/08	19.4	8/6/08	19.3	11/14/08	19.2	3/19/09	19.7
	50	49–51	CO_2	6/3/08	2.3	8/6/08	1.8	11/14/08	2.6	3/19/09	2.3
			O_2	6/3/08	18.7	8/6/08	18.7	11/14/08	18.1	3/19/09	18.7
	75	74–76	CO_2	6/3/08	2.2	8/6/08	1.7	11/14/08	2.5	3/19/09	2.3
			O_2	6/3/08	18.7	8/6/08	18.3	11/14/08	18.3	3/19/09	18.7
	100	99–101	CO_2	6/3/08	2	8/6/08	1.5	11/14/08	2	3/19/09	2
			O_2	6/3/08	18.7	8/6/08	18.9	11/14/08	18.7	3/19/09	19.1
	125	124–126	CO_2	6/3/08	1.6	8/6/08	1.2	11/14/08	1.8	3/19/09	1.9
			O_2	6/3/08	18.7	8/6/08	19.2	11/14/08	19.1	3/19/09	19.1
54-24399	Ambient	Ambient	CO_2	6/16/08	0	9/2/08	0	12/2/08	0	3/22/09	0.1
			O_2	6/16/08	21.6	9/2/08	21.2	12/2/08	21.2	3/22/09	21.1
	550	550–608	CO_2	6/16/08	0.1	9/2/08	0	12/2/08	0	3/22/09	0.2
			O_2	6/16/08	21.2	9/2/08	20.9	12/2/08	20.7	3/22/09	20.7
54-27641	Ambient	Ambient	CO_2	5/16/08	0	8/22/08	0	11/10/08	0	3/13/09	0.4
			O_2	5/16/08	21.1	8/22/08	21.1	11/10/08	20.9	3/13/09	21.1
	32	29.5–34.5	CO_2	5/16/08	1.6	8/22/08	1.3	11/10/08	2.1	3/13/09	0.1
			O_2	5/16/08	19.6	8/22/08	19.5	11/10/08	19.6	3/13/09	20.6
	82	79.5–84.5	CO_2	5/16/08	1.1	8/22/08	0.8	11/10/08	1.4	3/13/09	0.8
			O_2	5/16/08	20.1	8/22/08	20.1	11/10/08	19.9	3/13/09	20.7
	115	112.5–117.5	CO_2	5/16/08	1.1	8/22/08	0.8	11/10/08	1.2	3/13/09	0.8
			O_2	5/16/08	20.1	8/22/08	20	11/10/08	20.2	3/13/09	20.6

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-27641	182	179.5–184.5	CO_2	5/16/08	0.9	8/22/08	0.6	11/10/08	0.9	3/13/09	0.8
			O_2	5/16/08	20.2	8/22/08	20.2	11/10/08	20.2	3/13/09	20.6
	232	229.5–234.5	CO_2	5/16/08	0.7	8/22/08	0.5	11/10/08	0.8	3/13/09	0.7
			O_2	5/16/08	20	8/22/08	20.2	11/10/08	20.5	3/13/09	20.7
	271	268.5–273.5	CO_2	5/16/08	0.5	8/22/08	0.3	11/10/08	0.6	3/13/09	0.6
			O_2	5/16/08	20.3	8/22/08	20.4	11/10/08	20.6	3/13/09	20.7
	332.5	330–335	CO_2	5/16/08	0.2	8/22/08	0.1	11/10/08	0.3	3/13/09	0.5
			O_2	5/16/08	20.5	8/22/08	20.5	11/10/08	20.8	3/13/09	21.1
54-27642	Ambient	Ambient	CO_2	5/19/08	0	8/20/08	0	11/6/08	0	3/15/09	0.4
			O_2	5/19/08	20.8	8/20/08	21.1	11/6/08	21.3	3/15/09	21.1
	30	27.5–32.5	CO_2	5/19/08	2.9	8/20/08	2.1	11/6/08	3.2	3/15/09	2.4
			O_2	5/19/08	18	8/20/08	18.6	11/6/08	17.7	3/15/09	19.3
	75	71.5–76.5	CO_2	5/19/08	2.3	8/20/08	1.8	11/6/08	2.4	3/15/09	2.3
			O_2	5/19/08	18.3	8/20/08	19	11/6/08	18.5	3/15/09	19.3
	116	114.5–119.5	CO_2	5/19/08	2.8	8/20/08	2.4	11/6/08	3.2	3/15/09	2.7
			O_2	5/19/08	17.5	8/20/08	18.1	11/6/08	17.5	3/15/09	18.8
	175	172.5–177.5	CO_2	5/19/08	1.3	8/20/08	0.9	11/6/08	1.7	3/15/09	1.5
			O_2	5/19/08	19.4	8/20/08	19.6	11/6/08	19.4	3/15/09	19.9
	235	232.5–237.5	CO_2	5/19/08	0.9	8/20/08	0.7	11/6/08	1.2	3/15/09	1
			O_2	5/19/08	19.8	8/20/08	19.8	11/6/08	19.8	3/15/09	19.9
	275	272.5–277.5	CO_2	5/19/08	0.6	8/20/08	0.5	11/6/08	0.9	3/15/09	0.9
			O_2	5/19/08	19.8	8/20/08	20	11/6/08	20	3/15/09	20.1
	338	335.5–340.5	CO_2	5/19/08	0.2	8/20/08	0.1	11/6/08	0.5	3/15/09	0.7
			O_2	5/19/08	20.5	8/20/08	20.5	11/6/08	20.6	3/15/09	20.3

Table 4.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result (%)	Date	Result (%)	Date	Result (%)	Date	Result (%)
54-27643	Ambient	Ambient	CO_2	6/4/08	0	8/12/08	0	11/21/08	0	3/17/09	0.1
			O_2	6/4/08	21.5	8/12/08	21.2	11/21/08	21.2	3/17/09	21.3
	30	27.5–32.5	CO_2	6/4/08	1	8/12/08	0.8	11/21/08	1.3	3/17/09	0.9
			O_2	6/4/08	20.4	8/12/08	20.2	11/21/08	20	3/17/09	20.7
	74	71.5–76.5	CO_2	6/4/08	1	8/12/08	0.8	11/21/08	1.3	3/17/09	1
			O_2	6/4/08	20.2	8/12/08	19.9	11/21/08	19.7	3/17/09	20.6
	117	114.5–119.5	CO_2	6/4/08	1	8/12/08	0.7	11/21/08	1.3	3/17/09	1
			O_2	6/4/08	20.1	8/12/08	20	11/21/08	19.7	3/17/09	20.6
	167	164.5–169.5	CO_2	6/4/08	0.8	8/12/08	0.6	11/21/08	0.9	3/17/09	0.9
			O_2	6/4/08	20.2	8/12/08	20.4	11/21/08	20	3/17/09	20.8
	235	232.5–237.5	CO_2	6/4/08	0.6	8/12/08	0.5	11/21/08	0.7	3/17/09	0.8
			O_2	6/4/08	20.4	8/12/08	20.3	11/21/08	19.9	3/17/09	20.8
	275	272.5–277.5	CO_2	6/4/08	0.5	8/12/08	0.3	11/21/08	0.6	3/17/09	0.7
			O_2	6/4/08	20.5	8/12/08	20.3	11/21/08	20.4	3/17/09	20.9
	354	351.5–356.5	CO_2	6/4/08	0.2	8/12/08	0.1	11/21/08	0.3	3/17/09	0.5
			O_2	6/4/08	20.7	8/12/08	20.5	11/21/08	20.3	3/17/09	21.1

[a] NS = Not sampled.

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

[c] Blocked port.

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

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015	Ambient	Ambient	CO_2 (µg/m^3)	NS[a]	NS	NS	NS	11/25/08	562,000	3/26/09	911,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/25/08	-103	3/26/09	-171
			H_2O (µg/m^3)	NS	NS	NS	NS	11/25/08	2,650,000	3/26/09	36,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/25/08	640	3/26/09	572
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	0
			TCA (µg/m^3)	NS	NS	NS	NS	11/25/08	-1610	3/26/09	-3400
			TCE (µg/m^3)	NS	NS	NS	NS	11/25/08	1630	3/26/09	496
	37.6	36–46	CO_2 (µg/m^3)	6/13/08	5,830,000	NS	NS	11/25/08	3,810,000	3/26/09	3,900,000
			Freon-11 (µg/m^3)	6/13/08	303	NS	NS	11/25/08	252	3/26/09	-515
			H_2O (µg/m^3)	6/13/08	5,230,000	NS	NS	11/25/08	5,610,000	3/26/09	-9200
			PCE (µg/m^3)	6/13/08	4670	NS	NS	11/25/08	3840	3/26/09	46
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	0
			TCA (µg/m^3)	6/13/08	16,300	NS	NS	11/25/08	-1770	3/26/09	1380
			TCE (µg/m^3)	6/13/08	4450	NS	NS	11/25/08	6000	3/26/09	1070
	165.4	182–192	CO_2 (µg/m^3)	6/13/08	6,340,000	NS	NS	11/25/08	2,880,000	3/26/09	3,410,000
			Freon-11 (µg/m^3)	6/13/08	1240	NS	NS	11/25/08	458	3/26/09	-65
			H_2O (µg/m^3)	6/13/08	5,540,000	NS	NS	11/25/08	5,390,000	3/26/09	-16,000
			PCE (µg/m^3)	6/13/08	11,300	NS	NS	11/25/08	5850	3/26/09	391
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	1
			TCA (µg/m^3)	6/13/08	30,400	NS	NS	11/25/08	-707	3/26/09	3070
			TCE (µg/m^3)	6/13/08	9800	NS	NS	11/25/08	6540	3/26/09	957

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015	308.3	340–352	CO_2 (µg/m^3)	NS	NS	NS	NS	11/25/08	2,680,000	3/26/09	3,100,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/25/08	-223	3/26/09	-1100
			H_2O (µg/m^3)	NS	NS	NS	NS	11/25/08	7,190,000	3/26/09	-18,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/25/08	5790	3/26/09	143
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	0
			TCA (µg/m^3)	NS	NS	NS	NS	11/25/08	-7440	3/26/09	8210
			TCE (µg/m^3)	NS	NS	NS	NS	11/25/08	9590	3/26/09	3870
	333.3	375–385	CO_2 (µg/m^3)	6/13/08	2,360,000	NS	NS	11/25/08	2,070,000	3/26/09	2,280,000
			Freon-11 (µg/m^3)	6/13/08	-74	NS	NS	11/25/08	-275	3/26/09	-81
			H_2O (µg/m^3)	6/13/08	5,530,000	NS	NS	11/25/08	6,650,000	3/26/09	-24,000
			PCE (µg/m^3)	6/13/08	1810	NS	NS	11/25/08	1740	3/26/09	1370
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	0
			TCA (µg/m^3)	6/13/08	4650	NS	NS	11/25/08	-7440	3/26/09	9950
			TCE (µg/m^3)	6/13/08	1940	NS	NS	11/25/08	3100	3/26/09	1770
	337.7	425–435	CO_2 (µg/m^3)	6/13/08	2,270,000	NS	NS	11/25/08	2,140,000	3/26/09	1,730,000
			Freon-11 (µg/m^3)	6/13/08	-160	NS	NS	11/25/08	-258	3/26/09	-992
			H_2O (µg/m^3)	6/13/08	5,010,000	NS	NS	11/25/08	6,700,000	3/26/09	-24,000
			PCE (µg/m^3)	6/13/08	1610	NS	NS	11/25/08	1910	3/26/09	-624
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	0
			TCA (µg/m^3)	6/13/08	5120	NS	NS	11/25/08	-6380	3/26/09	15,700
			TCE (µg/m^3)	6/13/08	1800	NS	NS	11/25/08	2970	3/26/09	2810

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01015	426.5	480–490	CO_2 (µg/m^3)	6/13/08	2,090,000	NS	NS	11/25/08	1,980,000	3/26/09	1,310,000
			Freon-11 (µg/m^3)	6/13/08	-92	NS	NS	11/25/08	-286	3/26/09	-622
			H_2O (µg/m^3)	6/13/08	5,380,000	NS	NS	11/25/08	6,990,000	3/26/09	-29,000
			PCE (µg/m^3)	6/13/08	1710	NS	NS	11/25/08	897	3/26/09	2110
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	0
			TCA (µg/m^3)	6/13/08	5150	NS	NS	11/25/08	-5320	3/26/09	16,600
			TCE (µg/m^3)	6/13/08	1520	NS	NS	11/25/08	3570	3/26/09	1150
	462.1	520–530	CO_2 (µg/m^3)	6/13/08	2,000,000	NS	NS	11/25/08	2,030,000	3/26/09	1,220,000
			Freon-11 (µg/m^3)	6/13/08	-178	NS	NS	11/25/08	-3030	3/26/09	209
			H_2O (µg/m^3)	6/13/08	5,490,000	NS	NS	11/25/08	7,020,000	3/26/09	-26,000
			PCE (µg/m^3)	6/13/08	1760	NS	NS	11/25/08	1810	3/26/09	844
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	1	3/26/09	0
			TCA (µg/m^3)	6/13/08	5230	NS	NS	11/25/08	-6380	3/26/09	16,500
			TCE (µg/m^3)	6/13/08	1070	NS	NS	11/25/08	3210	3/26/09	-2000
54-01016	Ambient	Ambient	CO_2 (µg/m^3)	NS	NS	NS	NS	11/25/08	558,000	3/26/09	740,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/25/08	-8650	3/26/09	-1700
			H_2O (µg/m^3)	NS	NS	NS	NS	11/25/08	3,290,000	3/26/09	3,230,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/25/08	9460	3/26/09	4440
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	0
			TCA (µg/m^3)	NS	NS	NS	NS	11/25/08	-5850	3/26/09	-2000
			TCE (µg/m^3)	NS	NS	NS	NS	11/25/08	-1540	3/26/09	4890

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01016	30.8	30–40	CO_2 (µg/m^3)	6/13/08	6,930,000	NS	NS	11/25/08	5,670,000	3/26/09	2,330,000
			Freon-11 (µg/m^3)	6/13/08	2260	NS	NS	11/25/08	1600	3/26/09	-4000
			H_2O (µg/m^3)	6/13/08	6,600,000	NS	NS	11/25/08	7,440,000	3/26/09	4,870,000
			PCE (µg/m^3)	6/13/08	17,200	NS	NS	11/25/08	12,500	3/26/09	227
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	0
			TCA (µg/m^3)	6/13/08	45,200	NS	NS	11/25/08	17,200	3/26/09	281
			TCE (µg/m^3)	6/13/08	9590	NS	NS	11/25/08	15,200	3/26/09	10,700
	162.2	178–190	CO_2 (µg/m^3)	6/13/08	5,310,000	NS	NS	11/25/08	6,340,000	3/26/09	4,190,000
			Freon-11 (µg/m^3)	6/13/08	5480	NS	NS	11/25/08	12,400	3/26/09	-433
			H_2O (µg/m^3)	6/13/08	6,120,000	NS	NS	11/25/08	9,880,000	3/26/09	-1100
			PCE (µg/m^3)	6/13/08	39,000	NS	NS	11/25/08	87,600	3/26/09	-661
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	0
			TCA (µg/m^3)	6/13/08	72,400	NS	NS	11/25/08	112,000	3/26/09	537
			TCE (µg/m^3)	6/13/08	19,100	NS	NS	11/25/08	45,300	3/26/09	13
	274.7	318–324	CO_2 (µg/m^3)	6/13/08	3,550,000	NS	NS	11/25/08	3,100,000	3/26/09	3,620,000
			Freon-11 (µg/m^3)	6/13/08	2070	NS	NS	11/25/08	1270	3/26/09	156
			H_2O (µg/m^3)	6/13/08	5,690,000	NS	NS	11/25/08	10,700,000	3/26/09	-2300
			PCE (µg/m^3)	6/13/08	16,400	NS	NS	11/25/08	12,300	3/26/09	-1300
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	0
			TCA (µg/m^3)	6/13/08	22,700	NS	NS	11/25/08	4,710,000	3/26/09	-1200
			TCE (µg/m^3)	6/13/08	5260	NS	NS	11/25/08	6380	3/26/09	-127

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01016	336.3	386–396	CO_2 (µg/m^3)	6/13/08	2,180,000	NS	NS	11/25/08	1,940,000	3/26/09	3,040,000
			Freon-11 (µg/m^3)	6/13/08	-349	NS	NS	11/25/08	316	3/26/09	-1500
			H_2O (µg/m^3)	6/13/08	5,760,000	NS	NS	11/25/08	10,400,000	3/26/09	-3500
			PCE (µg/m^3)	6/13/08	1500	NS	NS	11/25/08	3650	3/26/09	-535
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	0
			TCA (µg/m^3)	6/13/08	7980	NS	NS	11/25/08	-4990	3/26/09	-748,000
			TCE (µg/m^3)	6/13/08	1410	NS	NS	11/25/08	-1000	3/26/09	3600
	414.3	473–483	CO_2 (µg/m^3)	NS	NS	NS	NS	11/25/08	580,000	3/26/09	2400[b]
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/25/08	-613	3/26/09	-561[b]
			H_2O (µg/m^3)	NS	NS	NS	NS	11/25/08	4,700,000	3/26/09	893,000[b]
			PCE (µg/m^3)	NS	NS	NS	NS	11/25/08	-598	3/26/09	431[b]
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	0[c]
			TCA (µg/m^3)	NS	NS	NS	NS	11/25/08	2820	3/26/09	-5800[b]
			TCE (µg/m^3)	NS	NS	NS	NS	11/25/08	1840	3/26/09	-4800[b]
	459.5	530–540	CO_2 (µg/m^3)	NS	NS	NS	NS	11/25/08	589,000	3/26/09	1,900,000[b]
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/25/08	-338	3/26/09	-1800[b]
			H_2O (µg/m^3)	NS	NS	NS	NS	11/25/08	3,980,000	3/26/09	3970[b]
			PCE (µg/m^3)	NS	NS	NS	NS	11/25/08	6950	3/26/09	-336,000[b]
			Pressure Differential (kPa)	NS	NS	NS	NS	11/25/08	0	3/26/09	0[b]
			TCA (µg/m^3)	NS	NS	NS	NS	11/25/08	702	3/26/09	1740[b]
			TCE (µg/m^3)	NS	NS	NS	NS	11/25/08	1440	3/26/09	4860[b]

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-01016	517.6	592–602	CO_2 (µg/m^3)	NS	NS	NS	NS	11/25/08	684,000	3/26/09	1,540,000[b]
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/25/08	-401	3/26/09	-1100[b]
			H_2O (µg/m^3)	NS	NS	NS	NS	11/25/08	5,750,000	3/26/09	6,790,000[b]
			PCE (µg/m^3)	NS	NS	NS	NS	11/25/08	5440	3/26/09	3480[b]
			Pressure Differential (kPa)	NS	NS	NS	NS	NS	NS	3/26/09	0[b]
			TCA (µg/m^3)	NS	NS	NS	NS	11/25/08	-5,160,000	3/26/09	-3200[b]
			TCE (µg/m^3)	NS	NS	NS	NS	11/25/08	2300	3/26/09	5960[b]
54-02001	Ambient	Ambient	CO_2 (µg/m^3)	5/27/08	776,000	NS	NS	11/14/08	587,000	3/10/09	882,000
			Freon-11 (µg/m^3)	5/27/08	-120	NS	NS	11/14/08	269	3/10/09	87
			H_2O (µg/m^3)	5/27/08	4,110,000	NS	NS	11/14/08	4,400,000	3/10/09	3,300,000
			PCE (µg/m^3)	5/27/08	1040	NS	NS	11/14/08	3980	3/10/09	4680
			Pressure Differential (kPa)	5/27/08	0	NS	NS	11/14/08	0	3/10/09	0
			TCA (µg/m^3)	5/27/08	-2720	NS	NS	11/14/08	2130	3/10/09	3280
			TCE (µg/m^3)	5/27/08	1410	NS	NS	11/14/08	3070	3/10/09	5390
	20	17.5–22.5	CO_2 (µg/m^3)	5/27/08	8,510,000	8/27/08	16,700,000	11/14/08	15,800,000	3/10/09	19,300,000
			Freon-11 (µg/m^3)	5/27/08	6760	8/27/08	10,200	11/14/08	10,900	3/10/09	10,900
			H_2O (µg/m^3)	5/27/08	8,550,000	8/27/08	14,200,000	11/14/08	10,100,000	3/10/09	8,880,000
			PCE (µg/m^3)	5/27/08	96,000	8/27/08	196,000	11/14/08	222,000	3/10/09	175,000
			Pressure Differential (kPa)	5/27/08	0	NS	NS	11/14/08	0	3/10/09	0.10
			TCA (µg/m^3)	5/27/08	409,000	8/27/08	968,000	11/14/08	840,000	3/10/09	1340
			TCE (µg/m^3)	5/27/08	208,000	8/27/08	491,000	11/14/08	464,000	3/10/09	461,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001	40	37.5–42.5	CO_2 (µg/m^3)	5/27/08	7,330,000	8/27/08	13,700,000	11/14/08	14,400,000	3/10/09	1,680,000
			Freon-11 (µg/m^3)	5/27/08	7040	8/27/08	15,300	11/14/08	16,300	3/10/09	675
			H_2O (µg/m^3)	5/27/08	9,880,000	8/27/08	13,600,000	11/14/08	10,800,000	3/10/09	9,760,000
			PCE (µg/m^3)	5/27/08	114,000	8/27/08	304,000	11/14/08	316,000	3/10/09	29,600
			Pressure Differential (kPa)	5/27/08	0	NS	NS	11/14/08	0	3/10/09	-0.04
			TCA (µg/m^3)	5/27/08	472,000	8/27/08	1,360,000	11/14/08	1,220,000	3/10/09	78,700
			TCE (µg/m^3)	5/27/08	137,000	8/27/08	393,000	11/14/08	403,000	3/10/09	30,100
	60	57.5–62.5	CO_2 (µg/m^3)	5/27/08	1,310,000	8/27/08	3,640,000	11/14/08	3,260,000	3/10/09	NS
			Freon-11 (µg/m^3)	5/27/08	647	8/27/08	3800	11/14/08	2550	3/10/09	NS
			H_2O (µg/m^3)	5/27/08	5,100,000	8/27/08	15,400,000	11/14/08	8,250,000	3/10/09	NS
			PCE (µg/m^3)	5/27/08	13,300	8/27/08	75,800	11/14/08	80,700	3/10/09	NS
			Pressure Differential (kPa)	5/27/08	0	NS	NS	11/14/08	0	3/10/09	-0.06
			TCA (µg/m^3)	5/27/08	55,300	8/27/08	334,000	11/14/08	279,000	3/10/09	NS
			TCE (µg/m^3)	5/27/08	13,100	8/27/08	82,000	11/14/08	86,300	3/10/09	NS
	80	77.5–82.5	CO_2 (µg/m^3)	5/27/08	6,620,000	8/27/08	10,700,000	11/14/08	12,300,000	3/10/09	18,000,000
			Freon-11 (µg/m^3)	5/27/08	5270	8/27/08	11,300	11/14/08	15,100	3/10/09	10,300
			H_2O (µg/m^3)	5/27/08	8,250,000	8/27/08	12,400,000	11/14/08	10,200,000	3/10/09	11,400,000
			PCE (µg/m^3)	5/27/08	102,000	8/27/08	227,000	11/14/08	280,000	3/10/09	231,000
			Pressure Differential (kPa)	5/27/08	0	NS	NS	11/14/08	0	3/10/09	-0.19
			TCA (µg/m^3)	5/27/08	4,990,000	8/27/08	1,210,000	11/14/08	1,300,000	3/10/09	1,460,000
			TCE (µg/m^3)	5/27/08	96,400	8/27/08	236,000	11/14/08	251,000	3/10/09	249,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001	100	97.5–102.5	CO_2 (µg/m^3)	5/27/08	3,650,000	8/27/08	7,540,000	11/14/08	4,720,000	3/10/09	14,800,000
			Freon-11 (µg/m^3)	5/27/08	1920	8/27/08	7500	11/14/08	4800	3/10/09	7980
			H_2O (µg/m^3)	5/27/08	6,040,000	8/27/08	10,700,000	11/14/08	8,550,000	3/10/09	9,340,000
			PCE (µg/m^3)	5/27/08	32,100	8/27/08	139,000	11/14/08	107,000	3/10/09	159,000
			Pressure Differential (kPa)	5/27/08	0	NS	NS	11/14/08	0	3/10/09	-0.15
			TCA (µg/m^3)	5/27/08	195,000	8/27/08	856,000	11/14/08	513,000	3/10/09	1,200,000
			TCE (µg/m^3)	5/27/08	33,900	8/27/08	156,000	11/14/08	104,000	3/10/09	187,000
	120	117.5–122.5	CO_2 (µg/m^3)	5/27/08	4,210,000	8/27/08	9,760,000	11/14/08	6,890,000	3/10/09	13,500,000
			Freon-11 (µg/m^3)	5/27/08	2830	8/27/08	9730	11/14/08	7210	3/10/09	6420
			H_2O (µg/m^3)	5/27/08	6,150,000	8/27/08	11,100,000	11/14/08	9,950,000	3/10/09	9,970,000
			PCE (µg/m^3)	5/27/08	32,100	8/27/08	120,000	11/14/08	100,000	3/10/09	116,000
			Pressure Differential (kPa)	5/27/08	-1	NS	NS	11/14/08	0	3/10/09	-0.20
			TCA (µg/m^3)	5/27/08	313,000	8/27/08	1,170,000	11/14/08	803,000	3/10/09	1,110,000
			TCE (µg/m^3)	5/27/08	50,900	8/27/08	196,000	11/14/08	140,000	3/10/09	167,000
	140	137.5–142.5	CO_2 (µg/m^3)	5/27/08	5,220,000	8/27/08	11,100,000	11/14/08	10,500,000	3/10/09	15,300,000
			Freon-11 (µg/m^3)	5/27/08	3700	8/27/08	11,300	11/14/08	11,300	3/10/09	7720
			H_2O (µg/m^3)	5/27/08	7,050,000	8/27/08	14,400,000	11/14/08	10,900,000	3/10/09	11,100,000
			PCE (µg/m^3)	5/27/08	45,300	8/27/08	147,000	11/14/08	154,000	3/10/09	125,000
			Pressure Differential (kPa)	5/27/08	-1	NS	NS	11/14/08	0	3/10/09	-0.20
			TCA (µg/m^3)	5/27/08	419,000	8/27/08	1,350,000	11/14/08	1,220,000	3/10/09	1,340,000
			TCE (µg/m^3)	5/27/08	67,500	8/27/08	225,000	11/14/08	207,000	3/10/09	194,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02001	160	157.5–162.5	CO_2 (µg/m^3)	NS	NS	8/27/08	3,800,000	11/14/08	1,870,000	3/10/09	11,100,00[b]
			Freon-11 (µg/m^3)	NS	NS	8/27/08	3670	11/14/08	1630	3/10/09	6040[b]
			H_2O (µg/m^3)	NS	NS	8/27/08	14,400,000	11/14/08	8,250,000	3/10/09	9,970,000[b]
			PCE (µg/m^3)	NS	NS	8/27/08	40,000	11/14/08	21,900	3/10/09	64,700[b]
			Pressure Differential (kPa)	5/27/08	0	NS	NS	11/14/08	0	3/10/09	-0.20[b]
			TCA (µg/m^3)	NS	NS	8/27/08	393,000	11/14/08	171,000	3/10/09	953,000[b]
			TCE (µg/m^3)	NS	NS	8/27/08	75,000	11/14/08	38,800	3/10/09	143,000[b]
	180	177.5–182.5	CO_2 (µg/m^3)	NS	NS	8/27/08	1,650,000	11/14/08	2,320,000	3/10/09	2,340,000[b]
			Freon-11 (µg/m^3)	NS	NS	8/27/08	1360	11/14/08	2320	3/10/09	353[b]
			H_2O (µg/m^3)	NS	NS	8/27/08	12,500,000	11/14/08	7,810,000	3/10/09	7,510,000[b]
			PCE (µg/m^3)	NS	NS	8/27/08	21,300	11/14/08	38,700	3/10/09	18,000[b]
			Pressure Differential (kPa)	5/27/08	0	NS	NS	11/14/08	0	3/10/09	0[b]
			TCA (µg/m^3)	NS	NS	8/27/08	94,100	11/14/08	164,000	3/10/09	116,000[b]
			TCE (µg/m^3)	NS	NS	8/27/08	38,700	11/14/08	63,800	3/10/09	40,600[c]
	200	197.5–202.5	CO_2 (µg/m^3)	5/27/08	10,500,000	8/27/08	8,690,000	11/14/08	8,820,000	3/10/09	13,200,000
			Freon-11 (µg/m^3)	5/27/08	8880	8/27/08	9450	11/14/08	10,600	3/10/09	6930
			H_2O (µg/m^3)	5/27/08	13,800,000	8/27/08	14,800,000	11/14/08	11,400,000	3/10/09	10,900,000
			PCE (µg/m^3)	5/27/08	62,900	8/27/08	66,700	11/14/08	78,600	3/10/09	63,800
			Pressure Differential (kPa)	5/27/08	-2	NS	NS	11/14/08	0	3/10/09	0
			TCA (µg/m^3)	5/27/08	569,000	8/27/08	665,000	11/14/08	675,000	3/10/09	826,000
			TCE (µg/m^3)	5/27/08	119,000	8/27/08	138,000	11/14/08	139,000	3/10/09	146,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002	Ambient	Ambient	CO_2 (µg/m^3)	6/3/08	873,000	NS	NS	11/17/08	616,000	3/19/09	1,110,000
			Freon-11 (µg/m^3)	6/3/08	18	NS	NS	11/17/08	693	3/19/09	1200
			H_2O (µg/m^3)	6/3/08	4,780,000	NS	NS	11/17/08	3,830,000	3/19/09	8,240,000
			PCE (µg/m^3)	6/3/08	684	NS	NS	11/17/08	7440	3/19/09	7010
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/17/08	0	3/19/09	0
			TCA (µg/m^3)	6/3/08	-1270	NS	NS	11/17/08	2780	3/19/09	-9800
			TCE (µg/m^3)	6/3/08	2010	NS	NS	11/17/08	12,200	3/19/09	4300
	20	17.5–22.5	CO_2 (µg/m^3)	NS	NS	8/7/08	1,580,000	11/17/08	5,170,000	3/19/09	7540
			Freon-11 (µg/m^3)	NS	NS	8/7/08	1490	11/17/08	11,100	3/19/09	1420
			H_2O (µg/m^3)	NS	NS	8/7/08	12,800,000	11/17/08	8,110,000	3/19/09	10,200,000
			PCE (µg/m^3)	NS	NS	8/7/08	10,500	11/17/08	118,000	3/19/09	144,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/17/08	0	3/19/09	0
			TCA (µg/m^3)	NS	NS	8/7/08	36,200	11/17/08	247,000	3/19/09	268,000
			TCE (µg/m^3)	NS	NS	8/7/08	3940	11/17/08	36,800	3/19/09	16,700
	40	37.5–42.5	CO_2 (µg/m^3)	NS	NS	8/7/08	15,200,000	11/17/08	15,300,000	3/19/09	23,200,000
			Freon-11 (µg/m^3)	NS	NS	8/7/08	60,700	11/17/08	61,800	3/19/09	50,200
			H_2O (µg/m^3)	NS	NS	8/7/08	12,000,000	11/17/08	10,900,000	3/19/09	11,300,000
			PCE (µg/m^3)	NS	NS	8/7/08	374,000	11/17/08	422,000	3/19/09	359,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/17/08	0	3/19/09	0
			TCA (µg/m^3)	NS	NS	8/7/08	1,190,000	11/17/08	1,190,000	3/19/09	1,250,000
			TCE (µg/m^3)	NS	NS	8/7/08	199,000	11/17/08	215,000	3/19/09	189,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002	60	57.5–62.5	CO_2 (µg/m^3)	6/3/08	26,500,000	8/7/08	20,500,000	11/17/08	20,300,000	3/19/09	29,400,000
			Freon-11 (µg/m^3)	6/3/08	63,000	8/7/08	51,500	11/17/08	72,700	3/19/09	74,300
			H_2O (µg/m^3)	6/3/08	12,800,000	8/7/08	13,300,000	11/17/08	11,200,000	3/19/09	11,200,000
			PCE (µg/m^3)	6/3/08	407,000	8/7/08	432,000	11/17/08	657,000	3/19/09	713,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/17/08	0	3/19/09	0.05
			TCA (µg/m^3)	6/3/08	1,280,000	8/7/08	1,430,000	11/17/08	1,330,000	3/19/09	1,470,000
			TCE (µg/m^3)	6/3/08	188,000	8/7/08	212,000	11/17/08	170,000	3/19/09	102,000
	80	77.5–82.5	CO_2 (µg/m^3)	NS	NS	8/7/08	6,340,000	11/17/08	4,050,000	3/19/09	NS
			Freon-11 (µg/m^3)	NS	NS	8/7/08	14,600	11/17/08	11,200	3/19/09	NS
			H_2O (µg/m^3)	NS	NS	8/7/08	12,800,000	11/17/08	8,330,000	3/19/09	NS
			PCE (µg/m^3)	NS	NS	8/7/08	124,000	11/17/08	104,000	3/19/09	NS
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/17/08	0	3/19/09	0.02
			TCA (µg/m^3)	NS	NS	8/7/08	408,000	11/17/08	287,000	3/19/09	NS
			TCE (µg/m^3)	NS	NS	8/7/08	72,300	11/17/08	56,300	3/19/09	NS
	100	97.5–102.5	CO_2 (µg/m^3)	6/3/08	24,700,000	8/7/08	19,300,000	11/17/08	1,910,000	3/19/09	28,100,000
			Freon-11 (µg/m^3)	6/3/08	70,400	8/7/08	59,600	11/17/08	60,700	3/19/09	58,200
			H_2O (µg/m^3)	6/3/08	12,200,000	8/7/08	11,500,000	11/17/08	11,300,000	3/19/09	11,200,000
			PCE (µg/m^3)	6/3/08	431,000	8/7/08	470,000	11/17/08	526,000	3/19/09	523,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/17/08	0	3/19/09	0
			TCA (µg/m^3)	6/3/08	1,280,000	8/7/08	1,490,000	11/17/08	1,440,000	3/19/09	1,520,000
			TCE (µg/m^3)	6/3/08	233,000	8/7/08	259,000	11/17/08	249,000	3/19/09	188,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002	120	117.5–122.5	CO_2 (µg/m^3)	6/3/08	22,900,000	8/7/08	17,200,000	11/17/08	16,300,000	3/19/09	19,100,000
			Freon-11 (µg/m^3)	6/3/08	73,300	8/7/08	56,300	11/17/08	53,700	3/19/09	36,100
			H_2O (µg/m^3)	6/3/08	13,900,000	8/7/08	11,800,000	11/17/08	11,000,000	3/19/09	10,200,000
			PCE (µg/m^3)	6/3/08	402,000	8/7/08	396,000	11/17/08	400,000	3/19/09	285,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/17/08	0	3/19/09	0
			TCA (µg/m^3)	6/3/08	1,170,000	8/7/08	1,280,000	11/17/08	1,140,000	3/19/09	1,000,000
			TCE (µg/m^3)	6/3/08	216,000	8/7/08	230,000	11/17/08	209,000	3/19/09	143,000
	140	137.5–142.5	CO_2 (µg/m^3)	6/3/08	20,300,000	8/7/08	9,990,000	11/17/08	7,600,000	3/19/09	15,500,000
			Freon-11 (µg/m^3)	6/3/08	756,000	8/7/08	12,500	11/17/08	17,700	3/19/09	32,100
			H_2O (µg/m^3)	6/3/08	13,000,000	8/7/08	12,500,000	11/17/08	9,580,000	3/19/09	10,100,000
			PCE (µg/m^3)	6/3/08	369,000	8/7/08	143,000	11/17/08	159,000	3/19/09	314,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/17/08	0	3/19/09	0.04
			TCA (µg/m^3)	6/3/08	1,070,000	8/7/08	504,000	11/17/08	372,000	3/19/09	649,000
			TCE (µg/m^3)	6/3/08	206,000	8/7/08	83,000	11/17/08	61,600	3/19/09	37,600
	157	154.5–159.5	CO_2 (µg/m^3)	6/3/08	8,320,000	8/7/08	8,420,000	11/17/08	4,950,000	3/19/09	10,800,000
			Freon-11 (µg/m^3)	6/3/08	30,200	8/7/08	32,000	11/17/08	13,600	3/19/09	23,500
			H_2O (µg/m^3)	6/3/08	6,830,000	8/7/08	11,900,000	11/17/08	8,770,000	3/19/09	9,240,000
			PCE (µg/m^3)	6/3/08	148,000	8/7/08	195,000	11/17/08	120,000	3/19/09	163,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/17/08	0	3/19/09	0.08
			TCA (µg/m^3)	6/3/08	409,000	8/7/08	601,000	11/17/08	316,000	3/19/09	570,000
			TCE (µg/m^3)	6/3/08	86,800	8/7/08	114,000	11/17/08	73,900	3/19/09	95,800

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02002	180	177.5–182.5	CO_2 (µg/m^3)	6/3/08	22,300,000	8/7/08	17,700,000	11/17/08	16,700,000	3/19/09	24,200,000
			Freon-11 (µg/m^3)	6/3/08	72,100	8/7/08	60,100	11/17/08	53,400	3/19/09	48,200
			H_2O (µg/m^3)	6/3/08	12,700,000	8/7/08	12,300,000	11/17/08	11,200,000	3/19/09	11,200,000
			PCE (µg/m^3)	6/3/08	388,000	8/7/08	415,000	11/17/08	393,000	3/19/09	371,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/17/08	0	3/19/09	0.02
			TCA (µg/m^3)	6/3/08	1,140,000	8/7/08	1,340,000	11/17/08	1,210,000	3/19/09	1,320,000
			TCE (µg/m^3)	6/3/08	214,000	8/7/08	245,000	11/17/08	225,000	3/19/09	187,000
	200	197.5–202.5	CO_2 (µg/m^3)	6/3/08	15,400,000	8/7/08	12,400,000	11/17/08	10,600,000	3/19/09	17,900,000
			Freon-11 (µg/m^3)	6/3/08	73,900	8/7/08	63,600	11/17/08	50,800	3/19/09	48,900
			H_2O (µg/m^3)	6/3/08	13,900,000	8/7/08	13,400,000	11/17/08	11,300,000	3/19/09	11,100,000
			PCE (µg/m^3)	6/3/08	325,000	8/7/08	353,000	11/17/08	286,000	3/19/09	303,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/17/08	-1	3/19/09	-0.13
			TCA (µg/m^3)	6/3/08	803,000	8/7/08	952,000	11/17/08	728,000	3/19/09	934,000
			TCE (µg/m^3)	6/3/08	179,000	8/7/08	205,000	11/17/08	156,000	3/19/09	168,000
54-02016	Ambient	Ambient	CO_2 (µg/m^3)	5/16/08	990,000	NS	NS	11/4/08	562,000	3/12/09	866,000
			Freon-11 (µg/m^3)	5/16/08	-63	NS	NS	11/4/08	899	3/12/09	27
			H_2O (µg/m^3)	5/16/08	6,240,000	NS	NS	11/4/08	6,340,000	3/12/09	5,190,000
			PCE (µg/m^3)	5/16/08	1220	NS	NS	11/4/08	6720	3/12/09	3640
			Pressure Differential (kPa)	5/16/08	0	NS	NS	11/4/08	0	3/12/09	0
			TCA (µg/m^3)	5/16/08	-1230	NS	NS	11/4/08	-978	3/12/09	-221
			TCE (µg/m^3)	5/16/08	916	NS	NS	11/4/08	-5890	3/12/09	2130

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02016	18	15.5–20.5	CO_2 (µg/m^3)	NS	NS	8/20/08	752,000	11/4/08	3,260,000	NS	NS
			Freon-11 (µg/m^3)	NS	NS	8/20/08	693	11/4/08	8020	NS	NS
			H_2O (µg/m^3)	NS	NS	8/20/08	11,400,000	11/4/08	8,180,000	NS	NS
			PCE (µg/m^3)	NS	NS	8/20/08	6740	11/4/08	102,000	NS	NS
			Pressure Differential (kPa)	NS	NS	NS	NS	11/4/08	1	3/12/09	0
			TCA (µg/m^3)	NS	NS	8/20/08	2,460	11/4/08	339,000	NS	NS
			TCE (µg/m^3)	NS	NS	8/20/08	6,380	11/4/08	68,000	NS	NS
	31	28.5–33.5	CO_2 (µg/m^3)	5/16/08	41,400,000	8/20/08	740,000	11/4/08	35,500,000	3/12/09	48,800,000
			Freon-11 (µg/m^3)	5/16/08	95,600	8/20/08	618	11/4/08	92,200	3/12/09	112,000
			H_2O (µg/m^3)	5/16/08	17,000,000	8/20/08	13,700,000	11/4/08	14,600,000	3/12/09	13,100,000
			PCE (µg/m^3)	5/16/08	640,000	8/20/08	6380	11/4/08	862,000	3/12/09	1,100,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/4/08	0	3/12/09	0.07
			TCA (µg/m^3)	5/16/08	1,460,000	8/20/08	1890	11/4/08	1,900,000	3/12/09	1,900,000
			TCE (µg/m^3)	5/16/08	223,000	8/20/08	5410	11/4/08	270,000	3/12/09	125,000
	82	79.5–84.5	CO_2 (µg/m^3)	5/16/08	31,900,000	8/20/08	290,000	11/4/08	32,800,000	3/12/09	36,300,000
			Freon-11 (µg/m^3)	5/16/08	65,300	8/20/08	47,500	11/4/08	88,200	3/12/09	81,800
			H_2O (µg/m^3)	5/16/08	13,300,000	8/20/08	18,100,000	11/4/08	16,100,000	3/12/09	10,500,000
			PCE (µg/m^3)	5/16/08	431,000	8/20/08	424,000	11/4/08	827,000	3/12/09	806,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/4/08	0	3/12/09	0
			TCA (µg/m^3)	5/16/08	867,000	8/20/08	1,220,000	11/4/08	1,390,000	3/12/09	1,040,000
			TCE (µg/m^3)	5/16/08	106,000	8/20/08	176,000	11/4/08	168,000	3/12/09	5320

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020	Ambient	Ambient	CO_2 (µg/m^3)	NS	NS	NS	NS	11/24/08	583,000	3/24/09	957,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/24/08	-418	3/24/09	598
			H_2O (µg/m^3)	NS	NS	NS	NS	11/24/08	3,220,000	3/24/09	4,230,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/24/08	1720	3/24/09	5310
			Pressure Differential (kPa)	NS	NS	NS	NS	11/24/08	0	3/24/09	0
			TCA (µg/m^3)	NS	NS	NS	NS	11/24/08	-697	3/24/09	-2800
			TCE (µg/m^3)	NS	NS	NS	NS	11/24/08	4470	3/24/09	470
	20	10–30	CO_2 (µg/m^3)	NS	NS	NS	NS	11/24/08	7,630,000	3/24/09	9,630,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/24/08	6700	3/24/09	4660
			H_2O (µg/m^3)	NS	NS	NS	NS	11/24/08	8,110,000	3/24/09	10,600,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/24/08	4,050,000	3/24/09	30,800
			Pressure Differential (kPa)	NS	NS	NS	NS	11/24/08	0	3/24/09	0.04
			TCA (µg/m^3)	NS	NS	NS	NS	11/24/08	76,000	3/24/09	87,500
			TCE (µg/m^3)	NS	NS	NS	NS	11/24/08	20,000	3/24/09	12,300
	40	30–50	CO_2 (µg/m^3)	NS	NS	NS	NS	11/24/08	8,050,000	3/24/09	10,800,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/24/08	9730	3/24/09	6920
			H_2O (µg/m^3)	NS	NS	NS	NS	11/24/08	8,480,000	3/24/09	11,100,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/24/08	59,300	3/24/09	45,700
			Pressure Differential (kPa)	NS	NS	NS	NS	11/24/08	0	3/24/09	0.03
			TCA (µg/m^3)	NS	NS	NS	NS	11/24/08	129,000	3/24/09	138,000
			TCE (µg/m^3)	NS	NS	NS	NS	11/24/08	31,700	3/24/09	22,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020	60	50–70	CO_2 (µg/m^3)	NS	NS	NS	NS	11/24/08	7,740,000	3/24/09	11,100,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/24/08	11,300	3/24/09	8470
			H_2O (µg/m^3)	NS	NS	NS	NS	11/24/08	8,400,000	3/24/09	11,100,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/24/08	70,200	3/24/09	55,200
			Pressure Differential (kPa)	NS	NS	NS	NS	11/24/08	0	3/24/09	0
			TCA (µg/m^3)	NS	NS	NS	NS	11/24/08	155,000	3/24/09	177,000
			TCE (µg/m^3)	NS	NS	NS	NS	11/24/08	31,800	3/24/09	27,700
	80	70–90	CO_2 (µg/m^3)	NS	NS	NS	NS	11/24/08	7,780,000	3/24/09	11,400,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/24/08	13,700	3/24/09	10,300
			H_2O (µg/m^3)	NS	NS	NS	NS	11/24/08	8,770,000	3/24/09	11,200,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/24/08	78,600	3/24/09	66,600
			Pressure Differential (kPa)	NS	NS	NS	NS	11/24/08	0	3/24/09	0
			TCA (µg/m^3)	NS	NS	NS	NS	11/24/08	196,000	3/24/09	205,000
			TCE (µg/m^3)	NS	NS	NS	NS	11/24/08	38,600	3/24/09	30,900
	95	90–110	CO_2 (µg/m^3)	NS	NS	NS	NS	11/24/08	6,080,000	3/24/09	10,700,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/24/08	11,300	3/24/09	11,000
			H_2O (µg/m^3)	NS	NS	NS	NS	11/24/08	8,400,000	3/24/09	10,700,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/24/08	70,900	3/24/09	68,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/24/08	0	3/24/09	0
			TCA (µg/m^3)	NS	NS	NS	NS	11/24/08	156,000	3/24/09	209,000
			TCE (µg/m^3)	NS	NS	NS	NS	11/24/08	31,900	3/24/09	30,300

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020	120	110–130	CO_2 (µg/m^3)	NS	NS	NS	NS	11/24/08	4,790,000	3/24/09	9,370,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/24/08	9910	3/24/09	10,200
			H_2O (µg/m^3)	NS	NS	NS	NS	11/24/08	8,110,000	3/24/09	10,100,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/24/08	68,600	3/24/09	69,600
			Pressure Differential (kPa)	NS	NS	NS	NS	11/24/08	0	3/24/09	0
			TCA (µg/m^3)	NS	NS	NS	NS	11/24/08	144,000	3/24/09	209,000
			TCE (µg/m^3)	NS	NS	NS	NS	11/24/08	31,800	3/24/09	36,600
	140	130–150	CO_2 (µg/m^3)	NS	NS	NS	NS	11/24/08	4,140,000	3/24/09	8,490,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/24/08	9680	3/24/09	11,800
			H_2O (µg/m^3)	NS	NS	NS	NS	11/24/08	8,030,000	3/24/09	9,980,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/24/08	65,200	3/24/09	78,700
			Pressure Differential (kPa)	NS	NS	NS	NS	11/24/08	0	3/24/09	0.1
			TCA (µg/m^3)	NS	NS	NS	NS	11/24/08	136,000	3/24/09	210,000
			TCE (µg/m^3)	NS	NS	NS	NS	11/24/08	32,500	3/24/09	32,200
	160	150–170	CO_2 (µg/m^3)	NS	NS	NS	NS	11/24/08	3,850,000	3/24/09	6,560,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/24/08	9280	3/24/09	9410
			H_2O (µg/m^3)	NS	NS	NS	NS	11/24/08	7,590,000	3/24/09	9,730,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/24/08	61,700	3/24/09	66,400
			Pressure Differential (kPa)	NS	NS	NS	NS	11/24/08	0	3/24/09	0
			TCA (µg/m^3)	NS	NS	NS	NS	11/24/08	136,000	3/24/09	159,000
			TCE (µg/m^3)	NS	NS	NS	NS	11/24/08	32,800	3/24/09	27,200

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02020	180	170–190	CO_2 (µg/m^3)	NS	NS	NS	NS	11/24/08	5,710,000	3/24/09	10,000,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/24/08	17,600	3/24/09	16,400
			H_2O (µg/m^3)	NS	NS	NS	NS	11/24/08	8,620,000	3/24/09	10,700,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/24/08	115,000	3/24/09	110,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/24/08	0	3/24/09	0.14
			TCA (µg/m^3)	NS	NS	NS	NS	11/24/08	207,000	3/24/09	263,000
			TCE (µg/m^3)	NS	NS	NS	NS	11/24/08	44,600	3/24/09	42,600
	200	190–210	CO_2 (µg/m^3)	NS	NS	NS	NS	11/24/08	5,690,000	3/24/09	9,560,000
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/24/08	18,900	3/24/09	17,100
			H_2O (µg/m^3)	NS	NS	NS	NS	11/24/08	8,840,000	3/24/09	10,700,000
			PCE (µg/m^3)	NS	NS	NS	NS	11/24/08	111,000	3/24/09	112,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/24/08	0	3/24/09	0.17
			TCA (µg/m^3)	NS	NS	NS	NS	11/24/08	191,000	3/24/09	237,000
			TCE (µg/m^3)	NS	NS	NS	NS	11/24/08	37,000	3/24/09	34,200
54-02021	Ambient	Ambient	CO_2 (µg/m^3)	5/28/08	787,000	NS	NS	11/12/08	621,000	3/11/09	899,000
			Freon-11 (µg/m^3)	5/28/08	-29	NS	NS	11/12/08	-435	3/11/09	32
			H_2O (µg/m^3)	5/28/08	11,500,000	NS	NS	11/12/08	108,000	3/11/09	3,780,000
			PCE (µg/m^3)	5/28/08	619	NS	NS	11/12/08	1060	3/11/09	2710
			Pressure Differential (kPa)	5/28/08	0	NS	NS	11/12/08	0	3/11/09	0
			TCA (µg/m^3)	5/28/08	-1940	NS	NS	11/12/08	-1810	3/11/09	-1400
			TCE (µg/m^3)	5/28/08	1490	NS	NS	11/12/08	1970	3/11/09	1900

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021	20	10–30	CO_2 (µg/m^3)	5/28/08	4,340,000	8/25/08	7,420,000	11/12/08	10,200,000	3/11/09	11,600,000
			Freon-11 (µg/m^3)	5/28/08	853	8/25/08	4580	11/12/08	1230	3/11/09	201
			H_2O (µg/m^3)	5/28/08	11,900,000	8/25/08	13,300,000	11/12/08	9,800,000	3/11/09	10,800,000
			PCE (µg/m^3)	5/28/08	3940	8/25/08	32,900	11/12/08	11,900	3/11/09	4790
			Pressure Differential (kPa)	5/28/08	0	NS	NS	11/12/08	0	3/11/09	0.03
			TCA (µg/m^3)	5/28/08	33,100	8/25/08	263,000	11/12/08	112,000	3/11/09	89,500
			TCE (µg/m^3)	5/28/08	8570	8/25/08	53,400	11/12/08	24,200	3/11/09	16,900
	40	30–50	CO_2 (µg/m^3)	5/28/08	889,000	8/25/08	3,870,000	11/12/08	4,210,000	3/11/09	5,770,000
			Freon-11 (µg/m^3)	5/28/08	412	8/25/08	991	11/12/08	-166	3/11/09	178
			H_2O (µg/m^3)	5/28/08	11,400,000	8/25/08	12,800,000	11/12/08	8,330,000	3/11/09	8,480,000
			PCE (µg/m^3)	5/28/08	498	8/25/08	5940	11/12/08	4480	3/11/09	4950
			Pressure Differential (kPa)	5/28/08	0	NS	NS	11/12/08	0	3/11/09	0.03
			TCA (µg/m^3)	5/28/08	2350	8/25/08	71,800	11/12/08	65,900	3/11/09	62,800
			TCE (µg/m^3)	5/28/08	-91	8/25/08	14,900	11/12/08	16,000	3/11/09	13,900
	60	50–70	CO_2 (µg/m^3)	5/28/08	2,450,000	8/25/08	6,170,000	11/12/08	6,820,000	3/11/09	11,200,000
			Freon-11 (µg/m^3)	5/28/08	636	8/25/08	1240	11/12/08	-2250	3/11/09	906
			H_2O (µg/m^3)	5/28/08	11,100,000	8/25/08	13,700,000	11/12/08	8,700,000	3/11/09	10,300,000
			PCE (µg/m^3)	5/28/08	3110	8/25/08	12,500	11/12/08	17,500	3/11/09	11,800
			Pressure Differential (kPa)	5/28/08	0	NS	NS	11/12/08	0	3/11/09	0.02
			TCA (µg/m^3)	5/28/08	34,400	8/25/08	187,000	11/12/08	189,000	3/11/09	212,000
			TCE (µg/m^3)	5/28/08	7290	8/25/08	36,300	11/12/08	34,500	3/11/09	34,300

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021	80	70–90	CO_2 (µg/m^3)	5/28/08	1,820,000	8/25/08	2,250,000	11/12/08	2,560,000	NS	NS
			Freon-11 (µg/m^3)	5/28/08	286	8/25/08	578	11/12/08	1550	NS	NS
			H_2O (µg/m^3)	5/28/08	10,700,000	8/25/08	12,500,000	11/12/08	7,520,000	NS	NS
			PCE (µg/m^3)	5/28/08	3840	8/25/08	6490	11/12/08	8410	NS	NS
			Pressure Differential (kPa)	5/28/08	0	NS	NS	11/12/08	0	3/11/09	0
			TCA (µg/m^3)	5/28/08	29,600	8/25/08	72,300	11/12/08	78,200	NS	NS
			TCE (µg/m^3)	5/28/08	5790	8/25/08	14,600	11/12/08	11,600	NS	NS
	100	90–110	CO_2 (µg/m^3)	5/28/08	3,010,000	8/25/08	7,600,000	11/12/08	7,430,000	3/11/09	12,000,000
			Freon-11 (µg/m^3)	5/28/08	479	8/25/08	2820	11/12/08	1900	3/11/09	1740
			H_2O (µg/m^3)	5/28/08	10,400,000	8/25/08	12,100,000	11/12/08	9,070,000	3/11/09	10,700,000
			PCE (µg/m^3)	5/28/08	3960	8/25/08	25,000	11/12/08	22,600	3/11/09	19,600
			Pressure Differential (kPa)	5/28/08	-1	NS	NS	11/12/08	0	3/11/09	-0.05
			TCA (µg/m^3)	5/28/08	64,300	8/25/08	326,000	11/12/08	298,000	3/11/09	347,000
			TCE (µg/m^3)	5/28/08	12,300	8/25/08	57,300	11/12/08	58,900	3/11/09	53,300
	120	110–130	CO_2 (µg/m^3)	5/28/08	1,750,000	8/25/08	1,110,000	11/12/08	1,430,000	NS	NS
			Freon-11 (µg/m^3)	5/28/08	304	8/25/08	813	11/12/08	-1190	NS	NS
			H_2O (µg/m^3)	5/28/08	10,100,000	8/25/08	11,400,000	11/12/08	6,710,000	NS	NS
			PCE (µg/m^3)	5/28/08	-2600	8/25/08	1980	11/12/08	5190	NS	NS
			Pressure Differential (kPa)	5/28/08	0	NS	NS	11/12/08	0	3/11/09	0
			TCA (µg/m^3)	5/28/08	31,600	8/25/08	26,500	11/12/08	30,700	NS	NS
			TCE (µg/m^3)	5/28/08	8630	8/25/08	4360	11/12/08	10,900	NS	NS

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021	140	130–150	CO_2 (µg/m^3)	5/28/08	3,290,000	8/25/08	8,500,000	11/12/08	3,460,000	3/11/09	12,400,000
			Freon-11 (µg/m^3)	5/28/08	1080	8/25/08	3950	11/12/08	-544	3/11/09	2440
			H_2O (µg/m^3)	5/28/08	10,700,000	8/25/08	11,400,000	11/12/08	7,660,000	3/11/09	11,500,000
			PCE (µg/m^3)	5/28/08	7860	8/25/08	31,600	11/12/08	5420	3/11/09	23,400
			Pressure Differential (kPa)	5/28/08	-1	NS	NS	11/12/08	0	3/11/09	-0.14
			TCA (µg/m^3)	5/28/08	86,100	8/25/08	393,000	11/12/08	52,200	3/11/09	388,000
			TCE (µg/m^3)	5/28/08	15,600	8/25/08	70,700	11/12/08	15,100	3/11/09	60,800
	160	150–170	CO_2 (µg/m^3)	5/28/08	4,550,000	8/25/08	3,240,000	11/12/08	2,470,000	3/11/09	5,850,000
			Freon-11 (µg/m^3)	5/28/08	1800	8/25/08	1500	11/12/08	-126	3/11/09	1070
			H_2O (µg/m^3)	5/28/08	9,800,000	8/25/08	10,900,000	11/12/08	7,300,000	3/11/09	7,800,000
			PCE (µg/m^3)	5/28/08	11,600	8/25/08	13,100	11/12/08	8340	3/11/09	13,000
			Pressure Differential (kPa)	5/28/08	-1	NS	NS	11/12/08	0	3/11/09	-0.07
			TCA (µg/m^3)	5/28/08	132,000	8/25/08	135,000	11/12/08	84,500	3/11/09	164,000
			TCE (µg/m^3)	5/28/08	26,400	8/25/08	27,500	11/12/08	22,100	3/11/09	28,800
	180	170–190	CO_2 (µg/m^3)	5/28/08	10,500,000	8/25/08	8,410,000	11/12/08	8,300,000	3/11/09	12,100,000
			Freon-11 (µg/m^3)	5/28/08	4960	8/25/08	4100	11/12/08	3020	3/11/09	2570
			H_2O (µg/m^3)	5/28/08	12,100,000	8/25/08	10,500,000	11/12/08	9,140,000	3/11/09	9,910,000
			PCE (µg/m^3)	5/28/08	30,800	8/25/08	29,900	11/12/08	29,400	3/11/09	23,200
			Pressure Differential (kPa)	5/28/08	-1	NS	NS	11/12/08	0	3/11/09	-0.12
			TCA (µg/m^3)	5/28/08	323,000	8/25/08	388,000	11/12/08	373,000	3/11/09	385,000
			TCE (µg/m^3)	5/28/08	60,000	8/25/08	70,700	11/12/08	72,300	3/11/09	60,600

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02021	198	190–210	CO_2 (µg/m^3)	5/28/08	8,950,000	8/25/08	7,580,000	11/12/08	7,580,000	3/11/09	10,600,000
			Freon-11 (µg/m^3)	5/28/08	4620	8/25/08	5100	11/12/08	4480	3/11/09	2620
			H_2O (µg/m^3)	5/28/08	12,200,000	8/25/08	11,400,000	11/12/08	9,070,000	3/11/09	9,900,000
			PCE (µg/m^3)	5/28/08	27,500	8/25/08	30,300	11/12/08	29,100	3/11/09	21,500
			Pressure Differential (kPa)	5/28/08	-3	NS	NS	11/12/08	0	3/11/09	-0.31
			TCA (µg/m^3)	5/28/08	217,000	8/25/08	283,000	11/12/08	274,000	3/11/09	272,000
			TCE (µg/m^3)	5/28/08	47,300	8/25/08	56,800	11/12/08	57,900	3/11/09	48,100
54-02022	Ambient	Ambient	CO_2 (µg/m^3)	5/23/08	810,000	NS	NS	11/13/08	670,000	3/11/09	990,000
			Freon-11 (µg/m^3)	5/23/08	400	NS	NS	11/13/08	-533	3/11/09	-66
			H_2O (µg/m^3)	5/23/08	9,140,000	NS	NS	11/13/08	5,840,000	3/11/09	9,980,000
			PCE (µg/m^3)	5/23/08	2180	NS	NS	11/13/08	1200	3/11/09	3180
			Pressure Differential (kPa)	5/23/08	0	NS	NS	11/13/08	0	3/11/09	0
			TCA (µg/m^3)	5/23/08	-4740	NS	NS	11/13/08	-2910	3/11/09	-4400
			TCE (µg/m^3)	5/23/08	959	NS	NS	11/13/08	2850	3/11/09	2930
	20	17.5–22.5	CO_2 (µg/m^3)	5/23/08	12,300,000	8/28/08	11,100,000	11/13/08	13,400,000	3/11/09	17,300,000
			Freon-11 (µg/m^3)	5/23/08	1940	8/28/08	1430	11/13/08	1710	3/11/09	617
			H_2O (µg/m^3)	5/23/08	11,000,000	8/28/08	13,700,000	11/13/08	8,990,000	3/11/09	10,100,000
			PCE (µg/m^3)	5/23/08	18,800	8/28/08	20,200	11/13/08	27,300	3/11/09	14,900
			Pressure Differential (kPa)	5/23/08	0	NS	NS	11/13/08	0	3/11/09	0
			TCA (µg/m^3)	5/23/08	158,000	8/28/08	237,000	11/13/08	247,000	3/11/09	210,000
			TCE (µg/m^3)	5/23/08	30,000	8/28/08	40,000	11/13/08	47,000	3/11/09	36,100

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022	40	37.5–42.5	CO_2 (µg/m^3)	5/23/08	15,100,000	8/28/08	10,900,000	11/13/08	12,200,000	3/11/09	17,800,000
			Freon-11 (µg/m^3)	5/23/08	3780	8/28/08	2440	11/13/08	2980	3/11/09	1640
			H_2O (µg/m^3)	5/23/08	10,200,000	8/28/08	10,100,000	11/13/08	9,510,000	3/11/09	10,100,000
			PCE (µg/m^3)	5/23/08	38,600	8/28/08	34,500	11/13/08	40,000	3/11/09	28,300
			Pressure Differential (kPa)	5/23/08	0	NS	NS	11/13/08	0	3/11/09	-0.02
			TCA (µg/m^3)	5/23/08	395,000	8/28/08	421,000	11/13/08	440,000	3/11/09	417,000
			TCE (µg/m^3)	5/23/08	68,000	8/28/08	69,700	11/13/08	75,000	3/11/09	64,800
	60	57.5–62.5	CO_2 (µg/m^3)	5/23/08	14,700,000	8/28/08	10,300,000	11/13/08	11,400,000	3/11/09	17,000,000
			Freon-11 (µg/m^3)	5/23/08	4520	8/28/08	3090	11/13/08	3380	3/11/09	2060
			H_2O (µg/m^3)	5/23/08	12,200,000	8/28/08	11,400,000	11/13/08	9,510,000	3/11/09	9,980,000
			PCE (µg/m^3)	5/23/08	39,400	8/28/08	37,200	11/13/08	42,300	3/11/09	30,700
			Pressure Differential (kPa)	5/23/08	0	NS	NS	11/13/08	0	3/11/09	0.07
			TCA (µg/m^3)	5/23/08	475,000	8/28/08	497,000	11/13/08	514,000	3/11/09	510,000
			TCE (µg/m^3)	5/23/08	76,600	8/28/08	79,800	11/13/08	86,800	3/11/09	74,300
	80	77.5–82.5	CO_2 (µg/m^3)	5/23/08	14,000,000	8/28/08	9,990,000	11/13/08	10,600,000	3/11/09	16,000,000
			Freon-11 (µg/m^3)	5/23/08	4230	8/28/08	3470	11/13/08	3600	3/11/09	2310
			H_2O (µg/m^3)	5/23/08	12,200,000	8/28/08	12,500,000	11/13/08	9,580,000	3/11/09	9,940,000
			PCE (µg/m^3)	5/23/08	39,100	8/28/08	38,200	11/13/08	44,400	3/11/09	32,000
			Pressure Differential (kPa)	5/23/08	0	NS	NS	11/13/08	0	3/11/09	-0.13
			TCA (µg/m^3)	5/23/08	522,000	8/28/08	548,000	11/13/08	537,000	3/11/09	563,000
			TCE (µg/m^3)	5/23/08	84,100	8/28/08	85,200	11/13/08	87,300	3/11/09	78,900

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022	100	97.5–102.5	CO_2 (µg/m^3)	5/23/08	4,500,000	8/28/08	6,930,000	11/13/08	3,370,000	3/11/09	4,680,000
			Freon-11 (µg/m^3)	5/23/08	1570	8/28/08	2540	11/13/08	968	3/11/09	563
			H_2O (µg/m^3)	5/23/08	8,920,000	8/28/08	10,500,000	11/13/08	7,810,000	3/11/09	7,650,000
			PCE (µg/m^3)	5/23/08	1,320,000	8/28/08	23,400	11/13/08	13,200	3/11/09	11,700
			Pressure Differential (kPa)	5/23/08	0	NS	NS	11/13/08	0	3/11/09	-0.21
			TCA (µg/m^3)	5/23/08	153,000	8/28/08	381,000	11/13/08	175,000	3/11/09	157,000
			TCE (µg/m^3)	5/23/08	27,400	8/28/08	57,300	11/13/08	33,900	3/11/09	25,900
	120	117.5–122.5	CO_2 (µg/m^3)	5/23/08	13,200,000	8/28/08	9,760,000	11/13/08	10,200,000	3/11/09	14,600,000
			Freon-11 (µg/m^3)	5/23/08	5280	8/28/08	4200	11/13/08	4780	3/11/09	2580
			H_2O (µg/m^3)	5/23/08	11,200,000	8/28/08	12,300,000	11/13/08	9,580,000	3/11/09	9,540,000
			PCE (µg/m^3)	5/23/08	39,600	8/28/08	35,600	11/13/08	42,700	3/11/09	28,900
			Pressure Differential (kPa)	5/23/08	0	NS	NS	11/13/08	0	3/11/09	-0.31
			TCA (µg/m^3)	5/23/08	569,000	8/28/08	617,000	11/13/08	611,000	3/11/09	618,000
			TCE (µg/m^3)	5/23/08	92,700	8/28/08	97,000	11/13/08	100,000	3/11/09	86,200
	140	137.5–142.5	CO_2 (µg/m^3)	5/23/08	11,900,000	8/28/08	8,890,000	11/13/08	9,520,000	3/11/09	12,900,000
			Freon-11 (µg/m^3)	5/23/08	5530	8/28/08	4830	11/13/08	4830	3/11/09	2900
			H_2O (µg/m^3)	5/23/08	11,000,000	8/28/08	12,600,000	11/13/08	9,580,000	3/11/09	9,420,000
			PCE (µg/m^3)	5/23/08	35,500	8/28/08	31,600	11/13/08	40,000	3/11/09	25,300
			Pressure Differential (kPa)	5/23/08	0	NS	NS	11/13/08	0	3/11/09	-0.33
			TCA (µg/m^3)	5/23/08	475,000	8/28/08	521,000	11/13/08	548,000	3/11/09	540,000
			TCE (µg/m^3)	5/23/08	84,100	8/28/08	85,200	11/13/08	95,900	3/11/09	78,500

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02022	160	157.5–162.5	CO_2 (µg/m^3)	5/23/08	12,000,000	8/28/08	9,270,000	11/13/08	9,310,000	3/11/09	12,500,000
			Freon-11 (µg/m^3)	5/23/08	5780	8/28/08	4940	11/13/08	4980	3/11/09	3170
			H_2O (µg/m^3)	5/23/08	11,900,000	8/28/08	10,500,000	11/13/08	9,650,000	3/11/09	9,380,000
			PCE (µg/m^3)	5/23/08	36,900	8/28/08	34,000	11/13/08	37,800	3/11/09	25,000
			Pressure Differential (kPa)	5/23/08	1	NS	NS	11/13/08	0	3/11/09	-0.47
			TCA (µg/m^3)	5/23/08	434,000	8/28/08	519,000	11/13/08	493,000	3/11/09	489,000
			TCE (µg/m^3)	5/23/08	79,800	8/28/08	90,500	11/13/08	89,500	3/11/09	73,800
	180	177.5–182.5	CO_2 (µg/m^3)	5/23/08	11,000,000	8/28/08	8,680,000	11/13/08	8,140,000	3/11/09	11,500,000
			Freon-11 (µg/m^3)	5/23/08	5290	8/28/08	4890	11/13/08	4500	3/11/09	2990
			H_2O (µg/m^3)	5/23/08	11,800,000	8/28/08	10,000,000	11/13/08	9,360,000	3/11/09	9,090,000
			PCE (µg/m^3)	5/23/08	31,300	8/28/08	30,900	11/13/08	32,100	3/11/09	22,700
			Pressure Differential (kPa)	5/23/08	2	NS	NS	11/13/08	0	3/11/09	-0.44
			TCA (µg/m^3)	5/23/08	321,000	8/28/08	409,000	11/13/08	354,000	3/11/09	378,000
			TCE (µg/m^3)	5/23/08	64,300	8/28/08	75,000	11/13/08	68,000	3/11/09	60,000
	200	197.5–202.5	CO_2 (µg/m^3)	5/23/08	10,600,000	8/28/08	8,420,000	11/13/08	8,390,000	3/11/09	11,100,000
			Freon-11 (µg/m^3)	5/23/08	5210	8/28/08	4720	11/13/08	4830	3/11/09	2790
			H_2O (µg/m^3)	5/23/08	13,600,000	8/28/08	12,200,000	11/13/08	9,730,000	3/11/09	9,070,000
			PCE (µg/m^3)	5/23/08	28,900	8/28/08	26,600	11/13/08	31,800	3/11/09	20,000
			Pressure Differential (kPa)	5/23/08	2	NS	NS	11/13/08	0	3/11/09	-0.40
			TCA (µg/m^3)	5/23/08	241,000	8/28/08	318,000	11/13/08	298,000	3/11/09	274,000
			TCE (µg/m^3)	5/23/08	51,800	8/28/08	61,100	11/13/08	58,900	3/11/09	46,100

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023	Ambient	Ambient	CO_2 (µg/m^3)	6/9/08	925,000	NS	NS	11/18/08	590,000	3/24/09	10,700,000
			Freon-11 (µg/m^3)	6/9/08	-303	NS	NS	11/18/08	-103	3/24/09	-84
			H_2O (µg/m^3)	6/9/08	5,280,000	NS	NS	11/18/08	3,730,000	3/24/09	3,420,000
			PCE (µg/m^3)	6/9/08	29	NS	NS	11/18/08	403	3/24/09	1990
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/24/09	NS
			TCA (µg/m^3)	6/9/08	-1640	NS	NS	11/18/08	-3090	3/24/09	-398
			TCE (µg/m^3)	6/9/08	1210	NS	NS	11/18/08	1290	3/24/09	2380
	20	10–30	CO_2 (µg/m^3)	6/9/08	22,900,000	8/15/08	17,000,000	11/18/08	18,000,000	3/24/09	20,300,000
			Freon-11 (µg/m^3)	6/9/08	2960	8/15/08	2750	11/18/08	2030	3/24/09	827
			H_2O (µg/m^3)	6/9/08	13,900,000	8/15/08	13,500,000	11/18/08	10,700,000	3/24/09	10,500,000
			PCE (µg/m^3)	6/9/08	19,200	8/15/08	17,900	11/18/08	17,100	3/24/09	5410
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/24/09	0
			TCA (µg/m^3)	6/9/08	61,700	8/15/08	28,800	11/18/08	25,900	3/24/09	-34,000
			TCE (µg/m^3)	6/9/08	12,700	8/15/08	12,000	11/18/08	15,200	3/24/09	-263
	40	30–50	CO_2 (µg/m^3)	6/9/08	20,300,000	8/15/08	14,500,000	11/18/08	17,300,000	3/24/09	22,800,000
			Freon-11 (µg/m^3)	6/9/08	3710	8/15/08	3140	11/18/08	3320	3/24/09	1700
			H_2O (µg/m^3)	6/9/08	14,300,000	8/15/08	14,200,000	11/18/08	11,500,000	3/24/09	12,200,000
			PCE (µg/m^3)	6/9/08	19,300	8/15/08	20,900	11/18/08	23,500	3/24/09	7470
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/24/09	-0.06
			TCA (µg/m^3)	6/9/08	87,200	8/15/08	33,900	11/18/08	39,900	3/24/09	-11,000
			TCE (µg/m^3)	6/9/08	17,500	8/15/08	15,100	11/18/08	17,700	3/24/09	5450

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023	60	50–70	CO_2 (µg/m^3)	6/9/08	11,900,000	8/15/08	8,820,000	11/18/08	8,730,000	3/24/09	13,800,000
			Freon-11 (µg/m^3)	6/9/08	10,100	8/15/08	8700	11/18/08	8470	3/24/09	7310
			H_2O (µg/m^3)	6/9/08	13,500,000	8/15/08	12,600,000	11/18/08	11,600,000	3/24/09	12,700,000
			PCE (µg/m^3)	6/9/08	50,800	8/15/08	47,900	11/18/08	51,600	3/24/09	44,500
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/24/09	-0.02
			TCA (µg/m^3)	6/9/08	108,000	8/15/08	78,200	11/18/08	70,200	3/24/09	58,300
			TCE (µg/m^3)	6/9/08	26,200	8/15/08	26,200	11/18/08	25,100	3/24/09	15,900
	80	70–90	CO_2 (µg/m^3)	6/9/08	13,000,000	8/15/08	8,870,000	11/18/08	8,710,000	3/24/09	14,200,000
			Freon-11 (µg/m^3)	6/9/08	8700	8/15/08	4600	11/18/08	3470	3/24/09	2330
			H_2O (µg/m^3)	6/9/08	14,200,000	8/15/08	12,600,000	11/18/08	10,800,000	3/24/09	11,600,000
			PCE (µg/m^3)	6/9/08	43,200	8/15/08	27,200	11/18/08	22,000	3/24/09	15,000
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/24/09	-0.13
			TCA (µg/m^3)	6/9/08	109,000	8/15/08	39,400	11/18/08	33,700	3/24/09	13,200
			TCE (µg/m^3)	6/9/08	21,500	8/15/08	10,700	11/18/08	15,200	3/24/09	9660
	100	90–110	CO_2 (µg/m^3)	6/9/08	15,900,000	8/15/08	12,100,000	11/18/08	11,200,000	3/24/09	18,000,000
			Freon-11 (µg/m^3)	6/9/08	7440	8/15/08	7390	11/18/08	5900	3/24/09	4100
			H_2O (µg/m^3)	6/9/08	14,700,000	8/15/08	13,000,000	11/18/08	12,200,000	3/24/09	13,300,000
			PCE (µg/m^3)	6/9/08	37,100	8/15/08	39,400	11/18/08	38,600	3/24/09	25,100
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/24/09	-0.19
			TCA (µg/m^3)	6/9/08	110,000	8/15/08	76,000	11/18/08	63,300	3/24/09	36,800
			TCE (µg/m^3)	6/9/08	21,000	8/15/08	22,400	11/18/08	22,000	3/24/09	13,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023	120	110–130	CO_2 (µg/m^3)	6/9/08	14,600,000	8/15/08	9,770,000	11/18/08	10,800,000	3/24/09	16,600,000
			Freon-11 (µg/m^3)	6/9/08	8190	8/15/08	6810	11/18/08	6870	3/24/09	4820
			H_2O (µg/m^3)	6/9/08	13,200,000	8/15/08	12,500,000	11/18/08	12,200,000	3/24/09	13,200,000
			PCE (µg/m^3)	6/9/08	40,400	8/15/08	38,400	11/18/08	43,100	3/24/09	28,700
			Pressure Differential (kPa)	6/9/08	-1	NS	NS	11/18/08	0	3/24/09	-0.19
			TCA (µg/m^3)	6/9/08	116,000	8/15/08	73,900	11/18/08	75,000	3/24/09	46,400
			TCE (µg/m^3)	6/9/08	24,800	8/15/08	20,400	11/18/08	24,200	3/24/09	15,900
	140	130–149	CO_2 (µg/m^3)	6/9/08	12,800,000	8/15/08	1,710,000	11/18/08	1,580,000	3/24/09	3,150,000[b]
			Freon-11 (µg/m^3)	6/9/08	8130	8/15/08	876	11/18/08	555	3/24/09	585[b]
			H_2O (µg/m^3)	6/9/08	13,200,000	8/15/08	11,600,000	11/18/08	7,810,000	3/24/09	8,260,000[b]
			PCE (µg/m^3)	6/9/08	36,600	8/15/08	3270	11/18/08	5580	3/24/09	7140[b]
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/24/09	0[b]
			TCA (µg/m^3)	6/9/08	107,000	8/15/08	10,100	11/18/08	5260	3/24/09	4100[b]
			TCE (µg/m^3)	6/9/08	22,100	8/15/08	7230	11/18/08	4720	3/24/09	7230[b]
	159	149–169	CO_2 (µg/m^3)	6/9/08	8,010,000	8/15/08	5,170,000	11/18/08	4,300,000	3/24/09	11,500,000
			Freon-11 (µg/m^3)	6/9/08	8020	8/15/08	4600	11/18/08	3720	3/24/09	6370
			H_2O (µg/m^3)	6/9/08	9,730,000	8/15/08	11,800,000	11/18/08	9,430,000	3/24/09	12,600,000
			PCE (µg/m^3)	6/9/08	37,200	8/15/08	33,100	11/18/08	24,400	3/24/09	40,900
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	1	3/24/09	0
			TCA (µg/m^3)	6/9/08	82,900	8/15/08	53,700	11/18/08	33,800	3/24/09	62,100
			TCE (µg/m^3)	6/9/08	17,500	8/15/08	16,900	11/18/08	13,800	3/24/09	16,300

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02023	180	170–190	CO_2 (µg/m^3)	6/9/08	7,920,000	8/15/08	2,320,000	11/18/08	2,990,000	NS	NS
			Freon-11 (µg/m^3)	6/9/08	8070	8/15/08	1270	11/18/08	481	NS	NS
			H_2O (µg/m^3)	6/9/08	9,070,000	8/15/08	11,600,000	11/18/08	8,180,000	NS	NS
			PCE (µg/m^3)	6/9/08	35,500	8/15/08	3,660	11/18/08	5280	NS	NS
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/24/09	0
			TCA (µg/m^3)	6/9/08	78,200	8/15/08	5240	11/18/08	8190	NS	NS
			TCE (µg/m^3)	6/9/08	17,000	8/15/08	3510	11/18/08	7180	NS	NS
	200	190–210	CO_2 (µg/m^3)	6/9/08	7,740,000	8/15/08	2,380,000	11/18/08	6,170,000	3/24/09	11,700,000
			Freon-11 (µg/m^3)	6/9/08	5780	8/15/08	9050	11/18/08	6810	3/24/09	7690
			H_2O (µg/m^3)	6/9/08	9,360,000	8/15/08	14,700,000	11/18/08	12,500,000	3/24/09	13,900,000
			PCE (µg/m^3)	6/9/08	34,600	8/15/08	55,600	11/18/08	40,500	3/24/09	49,300
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	-1	3/24/09	0.04
			TCA (µg/m^3)	6/9/08	75,500	8/15/08	92,500	11/18/08	59,000	3/24/09	67,200
			TCE (µg/m^3)	6/9/08	10,600	8/15/08	25,300	11/18/08	18,200	3/24/09	16,500
54-02024	Ambient	Ambient	CO_2 (µg/m^3)	6/9/08	769,000	NS	NS	11/18/08	495,000	3/21/09	1,270,000
			Freon-11 (µg/m^3)	6/9/08	242	NS	NS	11/18/08	435	3/21/09	96
			H_2O (µg/m^3)	6/9/08	2,430,000	NS	NS	11/18/08	3,170,000	3/21/09	7,650,000
			PCE (µg/m^3)	6/9/08	2260	NS	NS	11/18/08	7370	3/21/09	3420
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/21/09	0
			TCA (µg/m^3)	6/9/08	311	NS	NS	11/18/08	-4380	3/21/09	-2000
			TCE (µg/m^3)	6/9/08	1400	NS	NS	11/18/08	3960	3/21/09	2340

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024	20	10–30	CO_2 (µg/m^3)	6/9/08	12,500,000	8/6/08	9,900,000	11/18/08	8,640,000	3/21/09	10,600,000
			Freon-11 (µg/m^3)	6/9/08	4400	8/6/08	3240	11/18/08	3680	3/21/09	2600
			H_2O (µg/m^3)	6/9/08	11,600,000	8/6/08	12,300,000	11/18/08	10,500,000	3/21/09	11,100,000
			PCE (µg/m^3)	6/9/08	22,500	8/6/08	21,800	11/18/08	29,100	3/21/09	16,800
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/21/09	0
			TCA (µg/m^3)	6/9/08	23,100	8/6/08	36,400	11/18/08	56,400	3/21/09	30,400
			TCE (µg/m^3)	6/9/08	14,300	8/6/08	15,700	11/18/08	12,900	3/21/09	8950
	40	30–50	CO_2 (µg/m^3)	6/9/08	10,900,000	8/6/08	9,020,000	11/18/08	8,820,000	3/21/09	11,100,000
			Freon-11 (µg/m^3)	6/9/08	5710	8/6/08	4760	11/18/08	7100	3/21/09	3180
			H_2O (µg/m^3)	6/9/08	13,400,000	8/6/08	13,100,000	11/18/08	11,300,000	3/21/09	11,500,000
			PCE (µg/m^3)	6/9/08	27,500	8/6/08	27,700	11/18/08	50,200	3/21/09	20,800
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/21/09	-0.02
			TCA (µg/m^3)	6/9/08	42,700	8/6/08	56,900	11/18/08	61,700	3/21/09	47,500
			TCE (µg/m^3)	6/9/08	15,000	8/6/08	18,100	11/18/08	986	3/21/09	12,700
	60	50–70	CO_2 (µg/m^3)	6/9/08	10,600,000	8/6/08	8,690,000	11/18/08	8,770,000	3/21/09	11,900,000
			Freon-11 (µg/m^3)	6/9/08	7670	8/6/08	6300	11/18/08	5600	3/21/09	4270
			H_2O (µg/m^3)	6/9/08	12,200,000	8/6/08	11,000,000	11/18/08	11,300,000	3/21/09	10,600,000
			PCE (µg/m^3)	6/9/08	36,400	8/6/08	38,300	11/18/08	44,100	3/21/09	26,400
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/21/09	-0.04
			TCA (µg/m^3)	6/9/08	62,700	8/6/08	84,500	11/18/08	68,600	3/21/09	65,000
			TCE (µg/m^3)	6/9/08	18,300	8/6/08	22,200	11/18/08	12,300	3/21/09	14,900

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024	80	70–90	CO_2 (µg/m^3)	6/9/08	10,600,000	8/6/08	8,440,000	11/18/08	8,570,000	3/21/09	12,300,000
			Freon-11 (µg/m^3)	6/9/08	9790	8/6/08	7900	11/18/08	7670	3/21/09	5850
			H_2O (µg/m^3)	6/9/08	13,200,000	8/6/08	11,900,000	11/18/08	11,400,000	3/21/09	11,400,000
			PCE (µg/m^3)	6/9/08	45,100	8/6/08	46,700	11/18/08	50,900	3/21/09	36,600
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/21/09	-0.05
			TCA (µg/m^3)	6/9/08	93,000	8/6/08	113,000	11/18/08	110,000	3/21/09	94,600
			TCE (µg/m^3)	6/9/08	22,900	8/6/08	27,600	11/18/08	25,400	3/21/09	19,500
	100	90–110	CO_2 (µg/m^3)	6/9/08	10,600,000	8/6/08	8,280,000	11/18/08	8,460,000	3/21/09	12,400,000
			Freon-11 (µg/m^3)	6/9/08	11,700	8/6/08	9560	11/18/08	9450	3/21/09	7130
			H_2O (µg/m^3)	6/9/08	12,800,000	8/6/08	12,200,000	11/18/08	11,300,000	3/21/09	11,600,000
			PCE (µg/m^3)	6/9/08	53,700	8/6/08	54,800	11/18/08	62,200	3/21/09	43,700
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/21/09	-0.06
			TCA (µg/m^3)	6/9/08	110,000	8/6/08	126,000	11/18/08	115,000	3/21/09	115,000
			TCE (µg/m^3)	6/9/08	26,300	8/6/08	30,100	11/18/08	26,600	3/21/09	21,800
	120	110–130	CO_2 (µg/m^3)	NS	NS	NS	NS	11/18/08	2,030,000	NS	NS
			Freon-11 (µg/m^3)	NS	NS	NS	NS	11/18/08	1150	NS	NS
			H_2O (µg/m^3)	NS	NS	NS	NS	11/18/08	8,400,000	NS	NS
			PCE (µg/m^3)	NS	NS	NS	NS	11/18/08	13,800	NS	NS
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/21/09	0
			TCA (µg/m^3)	NS	NS	NS	NS	11/18/08	33,100	NS	NS
			TCE (µg/m^3)	NS	NS	NS	NS	11/18/08	9910	NS	NS

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024	140	130–150	CO_2 (µg/m^3)	6/9/08	9,310,000	8/6/08	6,340,000	11/18/08	6,790,000	3/21/09	9,860,000
			Freon-11 (µg/m^3)	6/9/08	13,300	8/6/08	9560	11/18/08	8650	3/21/09	7790
			H_2O (µg/m^3)	6/9/08	11,400,000	8/6/08	10,800,000	11/18/08	9,950,000	3/21/09	10,000,000
			PCE (µg/m^3)	6/9/08	61,000	8/6/08	53,700	11/18/08	56,900	3/21/09	47,100
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/21/09	-0.08
			TCA (µg/m^3)	6/9/08	113,000	8/6/08	119,000	11/18/08	121,000	3/21/09	119,000
			TCE (µg/m^3)	6/9/08	28,100	8/6/08	27,500	11/18/08	35,100	3/21/09	21,300
	160	150–170	CO_2 (µg/m^3)	6/9/08	9,630,000	8/6/08	7,700,000	11/18/08	7,780,000	3/21/09	11,300,000
			Freon-11 (µg/m^3)	6/9/08	15,500	8/6/08	13,200	11/18/08	9510	3/21/09	10,100
			H_2O (µg/m^3)	6/9/08	13,000,000	8/6/08	13,100,000	11/18/08	11,400,000	3/21/09	11,100,000
			PCE (µg/m^3)	6/9/08	70,900	8/6/08	75,100	11/18/08	7720	3/21/09	60,800
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/21/09	-0.07
			TCA (µg/m^3)	6/9/08	130,000	8/6/08	162,000	11/18/08	163,000	3/21/09	157,000
			TCE (µg/m^3)	6/9/08	31,800	8/6/08	36,800	11/18/08	47,400	3/21/09	28,200
	180	170–190	CO_2 (µg/m^3)	6/9/08	8,820,000	8/6/08	6,660,000	11/18/08	7,290,000	3/21/09	10,500,000
			Freon-11 (µg/m^3)	6/9/08	16,100	8/6/08	12,900	11/18/08	15,800	3/21/09	10,700
			H_2O (µg/m^3)	6/9/08	11,500,000	8/6/08	10,900,000	11/18/08	10,700,000	3/21/09	10,600,000
			PCE (µg/m^3)	6/9/08	73,700	8/6/08	72,300	11/18/08	84,800	3/21/09	65,900
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/21/09	-0.04
			TCA (µg/m^3)	6/9/08	131,000	8/6/08	151,000	11/18/08	164,000	3/21/09	155,000
			TCE (µg/m^3)	6/9/08	31,000	8/6/08	33,800	11/18/08	38,700	3/21/09	28,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02024	200	190–210	CO_2 (µg/m^3)	6/9/08	6,970,000	8/6/08	3,730,000	11/18/08	4,930,000	3/21/09	8,370,000
			Freon-11 (µg/m^3)	6/9/08	13,200	8/6/08	7270	11/18/08	7840	3/21/09	8870
			H_2O (µg/m^3)	6/9/08	11,600,000	8/6/08	12,600,000	11/18/08	9,880,000	3/21/09	10,400,000
			PCE (µg/m^3)	6/9/08	60,000	8/6/08	40,500	11/18/08	54,000	3/21/09	56,200
			Pressure Differential (kPa)	6/9/08	0	NS	NS	11/18/08	0	3/21/09	0
			TCA (µg/m^3)	6/9/08	104,000	8/6/08	78,200	11/18/08	111,000	3/21/09	124,000
			TCE (µg/m^3)	6/9/08	24,800	8/6/08	12,100	11/18/08	32,100	3/21/09	23,700
54-02025	Ambient	Ambient	CO_2 (µg/m^3)	5/30/08	803,000	NS	NS	11/20/08	761,000	3/20/09	896,000
			Freon-11 (µg/m^3)	5/30/08	233	NS	NS	11/20/08	-229	3/20/09	237
			H_2O (µg/m^3)	5/30/08	4,280,000	NS	NS	11/20/08	5,190,000	3/20/09	5,600,000
			PCE (µg/m^3)	5/30/08	1430	NS	NS	11/20/08	3920	3/20/09	4840
			Pressure Differential (kPa)	NS	NS	NS	NS	11/20/08	0	3/20/09	0
			TCA (µg/m^3)	5/30/08	-2670	NS	NS	11/20/08	-7980	3/20/09	1350
			TCE (µg/m^3)	5/30/08	186	NS	NS	11/20/08	4080	3/20/09	5090
	20	20	CO_2 (µg/m^3)	5/30/08	13,400,000	8/13/08	10,000,000	11/20/08	8,860,000	3/20/09	12,000,000
			Freon-11 (µg/m^3)	5/30/08	14,100	8/13/08	11,100	11/20/08	10,500	3/20/09	9730
			H_2O (µg/m^3)	5/30/08	13,300,000	8/13/08	13,300,000	11/20/08	8,330,000	3/20/09	12,000,000
			PCE (µg/m^3)	5/30/08	77,200	8/13/08	76,500	11/20/08	75,100	3/20/09	76,700
			Pressure Differential (kPa)	5/30/08	0	NS	NS	11/20/08	0	3/20/09	0
			TCA (µg/m^3)	5/30/08	227,000	8/13/08	256,000	11/20/08	206,000	3/20/09	214,000
			TCE (µg/m^3)	5/30/08	40,600	8/13/08	46,100	11/20/08	35,700	3/20/09	26,100

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02025	60	60	CO_2 (µg/m^3)	NS	NS	8/13/08	5,720,000	11/20/08	2,650,000	3/20/09	2,570,000
			Freon-11 (µg/m^3)	NS	NS	8/13/08	2080	11/20/08	1130	3/20/09	76
			H_2O (µg/m^3)	NS	NS	8/13/08	23,100,000	11/20/08	7,590,000	3/20/09	7,720,000
			PCE (µg/m^3)	NS	NS	8/13/08	9870	11/20/08	8340	3/20/09	4600
			Pressure Differential (kPa)	5/30/08	0	NS	NS	11/20/08	0	3/20/09	0
			TCA (µg/m^3)	NS	NS	8/13/08	35,700	11/20/08	18,400	3/20/09	4040
			TCE (µg/m^3)	NS	NS	8/13/08	4570	11/20/08	8950	3/20/09	3880
	100	100	CO_2 (µg/m^3)	5/30/08	13,200,000	8/13/08	10,300,000	11/20/08	9,850,000	3/20/09	14,500,000
			Freon-11 (µg/m^3)	5/30/08	31,300	8/13/08	25,500	11/20/08	23,400	3/20/09	18,200
			H_2O (µg/m^3)	5/30/08	13,100,000	8/13/08	12,800,000	11/20/08	9,430,000	3/20/09	12,700,000
			PCE (µg/m^3)	5/30/08	146,000	8/13/08	152,000	11/20/08	154,000	3/20/09	121,000
			Pressure Differential (kPa)	5/30/08	0	NS	NS	11/20/08	0	3/20/09	0
			TCA (µg/m^3)	5/30/08	398,000	8/13/08	460,000	11/20/08	409,000	3/20/09	416,000
			TCE (µg/m^3)	5/30/08	78,800	8/13/08	88,400	11/20/08	82,500	3/20/09	65,200
	160	160	CO_2 (µg/m^3)	5/30/08	12,300,000	8/13/08	9,670,000	11/20/08	8,950,000	3/20/09	13,600,000
			Freon-11 (µg/m^3)	5/30/08	38,500	8/13/08	32,200	11/20/08	29,500	3/20/09	24,300
			H_2O (µg/m^3)	5/30/08	12,800,000	8/13/08	13,600,000	11/20/08	10,000,000	3/20/09	12,100,000
			PCE (µg/m^3)	5/30/08	175,000	8/13/08	187,000	11/20/08	178,000	3/20/09	152,000
			Pressure Differential (kPa)	5/30/08	0	NS	NS	11/20/08	0	3/20/09	-0.02
			TCA (µg/m^3)	5/30/08	422,000	8/13/08	499,000	11/20/08	418,000	3/20/09	455,000
			TCE (µg/m^3)	5/30/08	84,100	8/13/08	97,000	11/20/08	82,000	3/20/09	71,200

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02025	190	190	CO_2 (µg/m^3)	5/30/08	9,920,000	8/13/08	8,570,000	11/20/08	7,630,000	3/20/09	10,600,000
			Freon-11 (µg/m^3)	5/30/08	40,100	8/13/08	36,400	11/20/08	30,300	3/20/09	23,600
			H_2O (µg/m^3)	5/30/08	11,500,000	8/13/08	12,300,000	11/20/08	9,140,000	3/20/09	10,100,000
			PCE (µg/m^3)	5/30/08	180,000	8/13/08	206,000	11/20/08	181,000	3/20/09	145,000
			Pressure Differential (kPa)	5/30/08	0	NS	NS	11/20/08	0	3/20/09	-0.03
			TCA (µg/m^3)	5/30/08	359,000	8/13/08	469,000	11/20/08	360,000	3/20/09	367,000
			TCE (µg/m^3)	5/30/08	75,000	8/13/08	98,600	11/20/08	73,900	3/20/09	62,100
54-02026	Ambient	Ambient	CO_2 (µg/m^3)	6/5/08	724,000	NS	NS	11/20/08	648,000	3/20/09	1,080,000
			Freon-11 (µg/m^3)	6/5/08	-893	NS	NS	11/20/08	-246	3/20/09	398
			H_2O (µg/m^3)	6/5/08	6,010,000	NS	NS	11/20/08	5,420,000	3/20/09	6,300,000
			PCE (µg/m^3)	6/5/08	-1060	NS	NS	11/20/08	-2090	3/20/09	1020
			Pressure Differential (kPa)	6/5/08	0	NS	NS	11/20/08	0	3/20/09	0
			TCA (µg/m^3)	6/5/08	-5270	NS	NS	11/20/08	-3380	3/20/09	-2400
			TCE (µg/m^3)	6/5/08	4950	NS	NS	11/20/08	1590	3/20/09	2310
	20	20	CO_2 (µg/m^3)	6/5/08	9,090,000	8/13/08	9,430,000	11/20/08	9,070,000	3/20/09	10,700,000
			Freon-11 (µg/m^3)	6/5/08	355	8/13/08	471	11/20/08	418	3/20/09	-339
			H_2O (µg/m^3)	6/5/08	13,300,000	8/13/08	13,800,000	11/20/08	10,100,000	3/20/09	14,600,000
			PCE (µg/m^3)	6/5/08	3690	8/13/08	3600	11/20/08	3710	3/20/09	-1500
			Pressure Differential (kPa)	6/5/08	0	NS	NS	11/20/08	0	3/20/09	-0.02
			TCA (µg/m^3)	6/5/08	-9570	8/13/08	-7440	11/20/08	-19,100	3/20/09	-20,000
			TCE (µg/m^3)	6/5/08	5520	8/13/08	3770	11/20/08	4430	3/20/09	-837

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02026	60	60	CO_2 (µg/m^3)	6/5/08	8,150,000	8/13/08	8,390,000	11/20/08	8,960,000	3/20/09	12,300,000
			Freon-11 (µg/m^3)	6/5/08	538	8/13/08	865	11/20/08	647	3/20/09	89
			H_2O (µg/m^3)	6/5/08	13,100,000	8/13/08	13,300,000	11/20/08	9,580,000	3/20/09	12,000,000
			PCE (µg/m^3)	6/5/08	6440	8/13/08	5100	11/20/08	7650	3/20/09	-14
			Pressure Differential (kPa)	6/5/08	0	NS	NS	11/20/08	0	3/20/09	0.03
			TCA (µg/m^3)	6/5/08	-2520	8/13/08	5370	11/20/08	-16,000	3/20/09	-14,000
			TCE (µg/m^3)	6/5/08	5890	8/13/08	3960	11/20/08	5470	3/20/09	-135
	100	100	CO_2 (µg/m^3)	6/5/08	7,420,000	8/13/08	7,720,000	11/20/08	7,870,000	3/20/09	11,500,000
			Freon-11 (µg/m^3)	6/5/08	1150	8/13/08	847	11/20/08	870	3/20/09	391
			H_2O (µg/m^3)	6/5/08	13,200,000	8/13/08	13,300,000	11/20/08	9,430,000	3/20/09	11,600,000
			PCE (µg/m^3)	6/5/08	7580	8/13/08	7440	11/20/08	8900	3/20/09	3620
			Pressure Differential (kPa)	6/5/08	0	NS	NS	11/20/08	0	3/20/09	0
			TCA (µg/m^3)	6/5/08	3060	8/13/08	12,400	11/20/08	-10,600	3/20/09	-5200
			TCE (µg/m^3)	6/5/08	5680	8/13/08	5680	11/20/08	6320	3/20/09	-67
	160	160	CO_2 (µg/m^3)	6/5/08	6,480,000	8/13/08	6,500,000	11/20/08	6,520,000	3/20/09	9,320,000
			Freon-11 (µg/m^3)	6/5/08	1690	8/13/08	1800	11/20/08	1800	3/20/09	1110
			H_2O (µg/m^3)	6/5/08	1,440,000	8/13/08	13,400,000	11/20/08	8,770,000	3/20/09	11,300,000
			PCE (µg/m^3)	6/5/08	11,900	8/13/08	10,600	11/20/08	12,400	3/20/09	6900
			Pressure Differential (kPa)	6/5/08	0	NS	NS	11/20/08	0	3/20/09	0.03
			TCA (µg/m^3)	6/5/08	9730	8/13/08	18,400	11/20/08	-5110	3/20/09	6190
			TCE (µg/m^3)	6/5/08	6380	8/13/08	5730	11/20/08	5680	3/20/09	535

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02026	200	200	CO_2 (µg/m^3)	6/5/08	6,120,000	8/13/08	6,100,000	11/20/08	6,050,000	3/20/09	8,930,000
			Freon-11 (µg/m^3)	6/5/08	1860	8/13/08	1780	11/20/08	1410	3/20/09	937
			H_2O (µg/m^3)	6/5/08	1,320,000	8/13/08	13,300,000	11/20/08	8,400,000	3/20/09	11,600,000
			PCE (µg/m^3)	6/5/08	11,300	8/13/08	11,300	11/20/08	11,500	3/20/09	7340
			Pressure Differential (kPa)	6/5/08	0	NS	NS	11/20/08	0	3/20/09	0.02
			TCA (µg/m^3)	6/5/08	9040	8/13/08	15,800	11/20/08	-4000	3/20/09	5790
			TCE (µg/m^3)	6/5/08	5630	8/13/08	5890	11/20/08	6220	3/20/09	1700
	215	215	CO_2 (µg/m^3)	6/5/08	4,120,000	8/13/08	5,330,000	11/20/08	4,910,000	3/20/09	7,850,000
			Freon-11 (µg/m^3)	6/5/08	1160	8/13/08	1690	11/20/08	1070	3/20/09	874
			H_2O (µg/m^3)	6/5/08	1,360,000	8/13/08	13,500,000	11/20/08	7,890,000	3/20/09	11,900,000
			PCE (µg/m^3)	6/5/08	7020	8/13/08	9320	11/20/08	11,100	3/20/09	7820
			Pressure Differential (kPa)	6/5/08	0	NS	NS	11/20/08	0	3/20/09	0
			TCA (µg/m^3)	6/5/08	4270	8/13/08	12,600	11/20/08	-6910	3/20/09	6610
			TCE (µg/m^3)	6/5/08	4140	8/13/08	4550	11/20/08	5840	3/20/09	1560
54-02027	Ambient	Ambient	CO_2 (µg/m^3)	6/4/08	900,000	NS	NS	11/20/08	607,000	3/20/09	879,000
			Freon-11 (µg/m^3)	6/4/08	231	NS	NS	11/20/08	1950	3/20/09	95
			H_2O (µg/m^3)	6/4/08	4,570,000	NS	NS	11/20/08	5,510,000	3/20/09	4,860,000
			PCE (µg/m^3)	6/4/08	2510	NS	NS	11/20/08	-1000	3/20/09	2680
			Pressure Differential (kPa)	6/4/08	0	NS	NS	11/20/08	0	3/20/09	0
			TCA (µg/m^3)	6/4/08	-4890	NS	NS	11/20/08	-2030	3/20/09	432
			TCE (µg/m^3)	6/4/08	750	NS	NS	11/20/08	6540	3/20/09	121,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027	20	20	CO_2 (µg/m^3)	6/4/08	11,800,000	8/14/08	8,710,000	11/20/08	8,060,000	3/20/09	10,400,000
			Freon-11 (µg/m^3)	6/4/08	2310	8/14/08	1760	11/20/08	1150	3/20/09	713
			H_2O (µg/m^3)	6/4/08	12,600,000	8/14/08	12,600,000	11/20/08	10,700,000	3/20/09	10,600,000
			PCE (µg/m^3)	6/4/08	14,000	8/14/08	13,800	11/20/08	8830	3/20/09	4170
			Pressure Differential (kPa)	6/4/08	0	NS	NS	11/20/08	0	3/20/09	0.08
			TCA (µg/m^3)	6/4/08	10,900	8/14/08	19,100	11/20/08	4830	3/20/09	16,300
			TCE (µg/m^3)	6/4/08	7720	8/14/08	7880	11/20/08	10,100	3/20/09	3300
	60	60	CO_2 (µg/m^3)	6/4/08	10,200,000	8/14/08	7,880,000	11/20/08	7,960,000	3/20/09	11,200,000
			Freon-11 (µg/m^3)	6/4/08	5660	8/14/08	4160	11/20/08	3350	3/20/09	2810
			H_2O (µg/m^3)	6/4/08	13,000,000	8/14/08	12,800,000	11/20/08	10,600,000	3/20/09	10,900,000
			PCE (µg/m^3)	6/4/08	28,700	8/14/08	27,500	11/20/08	28,200	3/20/09	18,600
			Pressure Differential (kPa)	6/4/08	0	NS	NS	11/20/08	0	3/20/09	0.11
			TCA (µg/m^3)	6/4/08	43,300	8/14/08	55,300	11/20/08	37,300	3/20/09	48,900
			TCE (µg/m^3)	6/4/08	12,900	8/14/08	14,400	11/20/08	17,000	3/20/09	7940
	100	100	CO_2 (µg/m^3)	6/4/08	9,950,000	8/14/08	7,270,000	11/20/08	7,330,000	3/20/09	11,000,000
			Freon-11 (µg/m^3)	6/4/08	7670	8/14/08	5730	11/20/08	5390	3/20/09	4140
			H_2O (µg/m^3)	6/4/08	13,000,000	8/14/08	12,800,000	11/20/08	10,700,000	3/20/09	10,700,000
			PCE (µg/m^3)	6/4/08	38,700	8/14/08	35,300	11/20/08	37,200	3/20/09	27,300
			Pressure Differential (kPa)	6/4/08	0	NS	NS	11/20/08	0	3/20/09	0.13
			TCA (µg/m^3)	6/4/08	63,800	8/14/08	73,900	11/20/08	58,000	3/20/09	67,000
			TCE (µg/m^3)	6/4/08	16,100	8/14/08	17,200	11/20/08	15,400	3/20/09	11,300

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027	160	160	CO_2 (µg/m^3)	6/4/08	8,910,000	8/14/08	6,660,000	11/20/08	6,730,000	3/20/09	9,620,000
			Freon-11 (µg/m^3)	6/4/08	10,000	8/14/08	8420	11/20/08	8300	3/20/09	5980
			H_2O (µg/m^3)	6/4/08	13,000,000	8/14/08	12,700,000	11/20/08	10,700,000	3/20/09	10,700,000
			PCE (µg/m^3)	6/4/08	50,700	8/14/08	51,000	11/20/08	51,100	3/20/09	39,700
			Pressure Differential (kPa)	6/4/08	1	NS	NS	11/20/08	0	3/20/09	0.11
			TCA (µg/m^3)	6/4/08	76,000	8/14/08	92,500	11/20/08	79,200	3/20/09	82,800
			TCE (µg/m^3)	6/4/08	18,400	8/14/08	17,600	11/20/08	19,900	3/20/09	12,800
	200	200	CO_2 (µg/m^3)	6/4/08	7,790,000	8/14/08	5,670,000	11/20/08	3,400,000	3/20/09	8,570,000
			Freon-11 (µg/m^3)	6/4/08	9790	8/14/08	8020	11/20/08	3620	3/20/09	5650
			H_2O (µg/m^3)	6/4/08	12,600,000	8/14/08	12,700,000	11/20/08	9,510,000	3/20/09	10,800,000
			PCE (µg/m^3)	6/4/08	48,800	8/14/08	47,100	11/20/08	28,600	3/20/09	39,900
			Pressure Differential (kPa)	6/4/08	1	NS	NS	11/20/08	0	3/20/09	0.12
			TCA (µg/m^3)	6/4/08	64,300	8/14/08	76,000	11/20/08	33,700	3/20/09	69,600
			TCE (µg/m^3)	6/4/08	15,000	8/14/08	13,400	11/20/08	12,300	3/20/09	11,100
	220	220	CO_2 (µg/m^3)	6/4/08	7,790,000	8/14/08	5,800,000	11/20/08	5,490,000	3/20/09	8,550,000
			Freon-11 (µg/m^3)	6/4/08	9560	8/14/08	7500	11/20/08	6870	3/20/09	5680
			H_2O (µg/m^3)	6/4/08	13,000,000	8/14/08	12,500,000	11/20/08	10,500,000	3/20/09	10,900,000
			PCE (µg/m^3)	6/4/08	47,800	8/14/08	46,900	11/20/08	44,800	3/20/09	31,100
			Pressure Differential (kPa)	6/4/08	1	NS	NS	11/20/08	0	3/20/09	0.12
			TCA (µg/m^3)	6/4/08	55,800	8/14/08	70,200	11/20/08	45,700	3/20/09	63,500
			TCE (µg/m^3)	6/4/08	14,000	8/14/08	15,900	11/20/08	13,000	3/20/09	11,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02027	250	250	CO_2 (µg/m^3)	6/4/08	7,150,000	8/14/08	5,380,000	11/20/08	1,910,000	3/20/09	3,710,000
			Freon-11 (µg/m^3)	6/4/08	7960	8/14/08	6760	11/20/08	1130	3/20/09	2020
			H_2O (µg/m^3)	6/4/08	13,000,000	8/14/08	12,500,000	11/20/08	8,920,000	3/20/09	8,720,000
			PCE (µg/m^3)	6/4/08	39,700	8/14/08	39,800	11/20/08	9870	3/20/09	14,500
			Pressure Differential (kPa)	6/4/08	1	NS	NS	11/20/08	0	3/20/09	0.09
			TCA (µg/m^3)	6/4/08	40,800	8/14/08	49,600	11/20/08	8130	3/20/09	18,100
			TCE (µg/m^3)	6/4/08	11,200	8/14/08	11,600	11/20/08	7500	3/20/09	4650
54-02028	Ambient	Ambient	CO_2 (µg/m^3)	6/5/08	6,840,000	NS	NS	11/26/08	592,000	3/21/09	1,060,000
			Freon-11 (µg/m^3)	6/5/08	762	NS	NS	11/26/08	-172	3/21/09	41
			H_2O (µg/m^3)	6/5/08	13,000,000	NS	NS	11/26/08	2,640,000	3/21/09	6,180,000
			PCE (µg/m^3)	6/5/08	5420	NS	NS	11/26/08	841	3/21/09	3340
			Pressure Differential (kPa)	6/5/08	0	NS	NS	11/26/08	0	3/21/09	0
			TCA (µg/m^3)	6/5/08	3420	NS	NS	11/26/08	-1120	3/21/09	-2600
			TCE (µg/m^3)	6/5/08	5630	NS	NS	11/26/08	2060	3/21/09	1910
	20	20	CO_2 (µg/m^3)	6/5/08	6,840,000	8/14/08	6,550,000	11/26/08	5,200,000	3/21/09	7,420,000
			Freon-11 (µg/m^3)	6/5/08	762	8/14/08	607	11/26/08	292	3/21/09	-150
			H_2O (µg/m^3)	6/5/08	13,000,000	8/14/08	13,500,000	11/26/08	6,680,000	3/21/09	11,700,000
			PCE (µg/m^3)	6/5/08	5420	8/14/08	2730	11/26/08	3710	3/21/09	1330
			Pressure Differential (kPa)	6/5/08	0	NS	NS	11/26/08	0	3/21/09	0.02
			TCA (µg/m^3)	6/5/08	-760	8/14/08	-7980	11/26/08	-9570	3/21/09	-2800
			TCE (µg/m^3)	6/5/08	5630	8/14/08	3690	11/26/08	4000	3/21/09	2910

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02028	60	60	CO_2 (µg/m^3)	6/5/08	5,760,000	8/14/08	6,050,000	11/26/08	6,160,000	3/21/09	8,440,000
			Freon-11 (µg/m^3)	6/5/08	933	8/14/08	1010	11/26/08	378	3/21/09	231
			H_2O (µg/m^3)	6/5/08	12,500,000	8/14/08	13,400,000	11/26/08	7,330,000	3/21/09	10,900,000
			PCE (µg/m^3)	6/5/08	5830	8/14/08	5760	11/26/08	4740	3/21/09	2050
			Pressure Differential (kPa)	6/5/08	0	NS	NS	11/26/08	0	3/21/09	0.03
			TCA (µg/m^3)	6/5/08	123	8/14/08	-383	11/26/08	-4,930	3/21/09	2730
			TCE (µg/m^3)	6/5/08	5520	8/14/08	4540	11/26/08	7390	3/21/09	2720
	100	100	CO_2 (µg/m^3)	6/5/08	5,740,000	8/14/08	5,800,000	11/26/08	5,870,000	3/21/09	8,460,000
			Freon-11 (µg/m^3)	6/5/08	1690	8/14/08	1570	11/26/08	899	3/21/09	525
			H_2O (µg/m^3)	6/5/08	14,300,000	8/14/08	13,400,000	11/26/08	9,210,000	3/21/09	11,000,000
			PCE (µg/m^3)	6/5/08	8760	8/14/08	8760	11/26/08	9040	3/21/09	3970
			Pressure Differential (kPa)	6/5/08	0	NS	NS	11/26/08	0	3/21/09	0.02
			TCA (µg/m^3)	6/5/08	3310	8/14/08	3860	11/26/08	-3310	3/21/09	6460
			TCE (µg/m^3)	6/5/08	5470	8/14/08	3610	11/26/08	7180	3/21/09	2960
	160	160	CO_2 (µg/m^3)	6/5/08	3,780,000	8/14/08	3,830,000	11/26/08	5,270,000	3/21/09	7,490,000
			Freon-11 (µg/m^3)	6/5/08	1730	8/14/08	1950	11/26/08	1470	3/21/09	1180
			H_2O (µg/m^3)	6/5/08	15,400,000	8/14/08	13,500,000	11/26/08	8,400,000	3/21/09	10,800,000
			PCE (µg/m^3)	6/5/08	6830	8/14/08	3950	11/26/08	14,000	3/21/09	8590
			Pressure Differential (kPa)	6/5/08	0	NS	NS	11/26/08	0	3/21/09	0.02
			TCA (µg/m^3)	6/5/08	2320	8/14/08	5050	11/26/08	2020	3/21/09	12,700
			TCE (µg/m^3)	6/5/08	3690	NS	NS	11/26/08	8360	3/21/09	2950

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02028	200	200	CO_2 (µg/m^3)	6/5/08	4,880,000	8/14/08	4,630,000	11/26/08	4,700,000	3/21/09	6,410,000
			Freon-11 (µg/m^3)	6/5/08	1790	8/14/08	2570	11/26/08	1740	3/21/09	1170
			H_2O (µg/m^3)	6/5/08	13,000,000	8/14/08	13,300,000	11/26/08	8,400,000	3/21/09	10,300,000
			PCE (µg/m^3)	6/5/08	12,700	8/14/08	12,900	11/26/08	12,700	3/21/09	8500
			Pressure Differential (kPa)	6/5/08	1	NS	NS	11/26/08	0	3/21/09	0.03
			TCA (µg/m^3)	6/5/08	6750	8/14/08	8190	11/26/08	-813	3/21/09	12,100
			TCE (µg/m^3)	6/5/08	6430	8/14/08	3020	11/26/08	6380	3/21/09	3100
	220	220	CO_2 (µg/m^3)	6/5/08	4,750,000	8/14/08	4,750,000	11/26/08	4,790,000	3/21/09	6,740,000
			Freon-11 (µg/m^3)	6/5/08	1920	8/14/08	1990	11/26/08	1910	3/21/09	1130
			H_2O (µg/m^3)	6/5/08	13,000,000	8/14/08	13,200,000	11/26/08	8,480,000	3/21/09	10,800,000
			PCE (µg/m^3)	6/5/08	12,700	8/14/08	13,100	11/26/08	15,200	3/21/09	9400
			Pressure Differential (kPa)	6/5/08	1	NS	NS	11/26/08	0	3/21/09	0.04
			TCA (µg/m^3)	6/5/08	5580	8/14/08	10,400	11/26/08	-356	3/21/09	12,700
			TCE (µg/m^3)	6/5/08	6970	8/14/08	4600	11/26/08	5360	3/21/09	3430
	250	250	CO_2 (µg/m^3)	6/5/08	4,210,000	8/14/08	4,160,000	11/26/08	4,300,000	3/21/09	6,030,000
			Freon-11 (µg/m^3)	6/5/08	1560	8/14/08	1590	11/26/08	1690	3/21/09	1020
			H_2O (µg/m^3)	6/5/08	12,600,000	8/14/08	14,100,000	11/26/08	8,480,000	3/21/09	10,800,000
			PCE (µg/m^3)	6/5/08	10,100	8/14/08	6200	11/26/08	11,500	3/21/09	8070
			Pressure Differential (kPa)	6/5/08	1	NS	NS	11/26/08	0	3/21/09	0.04
			TCA (µg/m^3)	6/5/08	2910	8/14/08	5850	11/26/08	-2350	3/21/09	11,400
			TCE (µg/m^3)	6/5/08	4830	8/14/08	4370	11/26/08	5060	3/21/09	2580

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031	Ambient	Ambient	CO_2 (µg/m^3)	5/29/08	794,000	NS	NS	NS	NS	3/12/09	1,250,000
			Freon-11 (µg/m^3)	5/29/08	784	NS	NS	NS	NS	3/12/09	-98
			H_2O (µg/m^3)	5/29/08	9,210,000	NS	NS	NS	NS	3/12/09	3,580,000
			PCE (µg/m^3)	5/29/08	-50	NS	NS	NS	NS	3/12/09	3110
			Pressure Differential (kPa)	5/29/08	0	NS	NS	NS	NS	3/12/09	0
			TCA (µg/m^3)	5/29/08	-1640	NS	NS	NS	NS	3/12/09	-5100
			TCE (µg/m^3)	5/29/08	579	NS	NS	NS	NS	3/12/09	3340
	20	20	CO_2 (µg/m^3)	5/29/08	16,600,000	8/27/08	18,200,000	11/12/08	18,500,000	3/12/09	21,500,000
			Freon-11 (µg/m^3)	5/29/08	928	8/27/08	1320	11/12/08	1790	3/12/09	165
			H_2O (µg/m^3)	5/29/08	12,700,000	8/27/08	14,600,000	11/12/08	13,000,000	3/12/09	8,280,000
			PCE (µg/m^3)	5/29/08	12,900	8/27/08	14,600	11/12/08	20,900	3/12/09	2970
			Pressure Differential (kPa)	5/29/08	0	NS	NS	11/12/08	0	3/12/09	0
			TCA (µg/m^3)	5/29/08	27,600	8/27/08	56,900	11/12/08	54,800	3/12/09	-25,000
			TCE (µg/m^3)	5/29/08	16,700	8/27/08	20,700	11/12/08	20,100	3/12/09	9170
	60	60	CO_2 (µg/m^3)	5/29/08	12,100,000	8/27/08	11,100,000	11/12/08	11,900,000	3/12/09	18,000,000
			Freon-11 (µg/m^3)	5/29/08	2750	8/27/08	2350	11/12/08	3870	3/12/09	1810
			H_2O (µg/m^3)	5/29/08	12,400,000	8/27/08	14,500,000	11/12/08	12,200,000	3/12/09	13,200,000
			PCE (µg/m^3)	5/29/08	20,000	8/27/08	25,200	11/12/08	30,700	3/12/09	18,100
			Pressure Differential (kPa)	5/29/08	0	NS	NS	11/12/08	0	3/12/09	0
			TCA (µg/m^3)	5/29/08	72,300	8/27/08	116,000	11/12/08	107,000	3/12/09	48,800
			TCE (µg/m^3)	5/29/08	24,900	8/27/08	35,600	11/12/08	30,100	3/12/09	24,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031	100	100	CO_2 (µg/m^3)	5/29/08	9,040,000	8/27/08	9,720,000	11/12/08	9,520,000	3/12/09	14,900,000
			Freon-11 (µg/m^3)	5/29/08	3800	8/27/08	5160	11/12/08	4490	3/12/09	3360
			H_2O (µg/m^3)	5/29/08	11,800,000	8/27/08	14,400,000	11/12/08	12,000,000	3/12/09	12,400,000
			PCE (µg/m^3)	5/29/08	23,200	8/27/08	40,200	11/12/08	46,500	3/12/09	30,300
			Pressure Differential (kPa)	5/29/08	0	NS	NS	11/12/08	0	3/12/09	-0.05
			TCA (µg/m^3)	5/29/08	97,300	8/27/08	172,000	11/12/08	157,000	3/12/09	134,000
			TCE (µg/m^3)	5/29/08	27,500	8/27/08	41,700	11/12/08	39,000	3/12/09	35,500
	160	160	CO_2 (µg/m^3)	5/29/08	6,680,000	8/27/08	8,620,000	11/12/08	8,600,000	3/12/09	13,600,000
			Freon-11 (µg/m^3)	5/29/08	3180	8/27/08	6240	11/12/08	5560	3/12/09	4280
			H_2O (µg/m^3)	5/29/08	10,700,000	8/27/08	14,700,000	11/12/08	11,700,000	3/12/09	11,800,000
			PCE (µg/m^3)	5/29/08	21,800	8/27/08	48,000	11/12/08	48,100	3/12/09	40,300
			Pressure Differential (kPa)	5/29/08	0	NS	NS	11/12/08	0	3/12/09	0
			TCA (µg/m^3)	5/29/08	76,000	8/27/08	170,000	11/12/08	159,000	3/12/09	152,000
			TCE (µg/m^3)	5/29/08	23,900	8/27/08	41,800	11/12/08	50,600	3/12/09	38,600
	200	200	CO_2 (µg/m^3)	5/29/08	10,100,000	8/27/08	8,050,000	11/12/08	7,970,000	3/12/09	11,900,000
			Freon-11 (µg/m^3)	5/29/08	7,60	8/27/08	6530	11/12/08	6930	3/12/09	4500
			H_2O (µg/m^3)	5/29/08	12,400,000	8/27/08	14,600,000	11/12/08	11,700,000	3/12/09	11,800,000
			PCE (µg/m^3)	5/29/08	43,000	8/27/08	46,300	11/12/08	51,900	3/12/09	38,900
			Pressure Differential (kPa)	5/29/08	0	NS	NS	11/12/08	0	3/12/09	-0.21
			TCA (µg/m^3)	5/29/08	129,000	8/27/08	149,000	11/12/08	130,000	3/12/09	118,000
			TCE (µg/m^3)	5/29/08	34,800	8/27/08	39,200	11/12/08	35,300	3/12/09	33,100

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02031	220	220	CO_2 (µg/m^3)	5/29/08	2,230,000	8/27/08	1,510,000	11/12/08	1,870,000	3/12/09	NS
			Freon-11 (µg/m^3)	5/29/08	899	8/27/08	796	11/12/08	1270	3/12/09	NS
			H_2O (µg/m^3)	5/29/08	8,990,000	8/27/08	12,600,000	11/12/08	9,290,000	3/12/09	NS
			PCE (µg/m^3)	5/29/08	5,760	8/27/08	4030	11/12/08	9600	3/12/09	NS
			Pressure Differential (kPa)	5/29/08	0	NS	NS	11/12/08	0	3/12/09	-0.10
			TCA (µg/m^3)	5/29/08	14,000	8/27/08	11,100	11/12/08	17,600	3/12/09	NS
			TCE (µg/m^3)	5/29/08	5,010	8/27/08	4250	11/12/08	5950	3/12/09	NS
	260	260	CO_2 (µg/m^3)	5/29/08	7,560,000	8/27/08	5,220,000	11/12/08	4,790,000	3/12/09	8,940,000
			Freon-11 (µg/m^3)	5/29/08	4550	8/27/08	4,550	11/12/08	3090	3/12/09	3380
			H_2O (µg/m^3)	5/29/08	11,600,000	8/27/08	13,300,000	11/12/08	10,800,000	3/12/09	10,700,000
			PCE (µg/m^3)	5/29/08	29,900	8/27/08	28,100	11/12/08	30,200	3/12/09	30,200
			Pressure Differential (kPa)	5/29/08	0	NS	NS	11/12/08	0	3/12/09	-0.19
			TCA (µg/m^3)	5/29/08	69,100	8/27/08	71,800	11/12/08	64,300	3/12/09	68,100
			TCE (µg/m^3)	5/29/08	20,400	8/27/08	2,060,000	11/12/08	23,600	3/12/09	17,700
54-02034	Ambient	Ambient	CO_2 (µg/m^3)	5/27/08	979,000	NS	NS	11/13/08	724,000	3/10/09	1,010,000
			Freon-11 (µg/m^3)	5/27/08	218	NS	NS	11/13/08	853	3/10/09	148
			H_2O (µg/m^3)	5/27/08	5,250,000	NS	NS	11/13/08	4,660,000	3/10/09	5,180,000
			PCE (µg/m^3)	5/27/08	1120	NS	NS	11/13/08	-7	3/10/09	4190
			Pressure Differential (kPa)	5/27/08	0	NS	NS	11/13/08	0	3/10/09	0
			TCA (µg/m^3)	5/27/08	-2790	NS	NS	11/13/08	3,250	3/10/09	-2700
			TCE (µg/m^3)	5/27/08	1710	NS	NS	11/13/08	-27	3/10/09	2400

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034	20	20	CO_2 (µg/m^3)	5/27/08	21,200,000	8/29/08	19,600,000	11/13/08	22,000,000	3/10/09	28,900,000
			Freon-11 (µg/m^3)	5/27/08	-630	8/29/08	-275	11/13/08	-601	3/10/09	-1800
			H_2O (µg/m^3)	5/27/08	11,400,000	8/29/08	14,100,000	11/13/08	11,400,000	3/10/09	12,200,000
			PCE (µg/m^3)	5/27/08	2370	8/29/08	1630	11/13/08	1960	3/10/09	-14,000
			Pressure Differential (kPa)	5/27/08	0	NS	NS	11/13/08	0	3/10/09	-0.02
			TCA (µg/m^3)	5/27/08	33,500	8/29/08	20,800	11/13/08	12,100	3/10/09	-41,000
			TCE (µg/m^3)	5/27/08	8470	8/29/08	8360	11/13/08	12,700	3/10/09	-1900
	60	60	CO_2 (µg/m^3)	5/27/08	12,900,000	8/29/08	13,400,000	11/13/08	13,700,000	3/10/09	21,300,000
			Freon-11 (µg/m^3)	5/27/08	-229	8/29/08	-333	11/13/08	281	3/10/09	-1100
			H_2O (µg/m^3)	5/27/08	10,200,000	8/29/08	13,900,000	11/13/08	12,500,000	3/10/09	13,500,000
			PCE (µg/m^3)	5/27/08	2770	8/29/08	3640	11/13/08	4520	3/10/09	-8200
			Pressure Differential (kPa)	5/27/08	-1	NS	NS	11/13/08	0	3/10/09	-0.08
			TCA (µg/m^3)	5/27/08	31,500	8/29/08	43,200	11/13/08	23,600	3/10/09	-10,000
			TCE (µg/m^3)	5/27/08	9000	8/29/08	12,100	11/13/08	14,600	3/10/09	3700
	100	100	CO_2 (µg/m^3)	5/27/08	8,100,000	8/29/08	11,700,000	11/13/08	11,900,000	3/10/09	17,400,000
			Freon-11 (µg/m^3)	5/27/08	733	8/29/08	350	11/13/08	681	3/10/09	-668
			H_2O (µg/m^3)	5/27/08	8,770,000	8/29/08	13,600,000	11/13/08	12,500,000	3/10/09	10,000,000
			PCE (µg/m^3)	5/27/08	2210	8/29/08	3460	11/13/08	5260	3/10/09	-5600
			Pressure Differential (kPa)	5/27/08	-1	NS	NS	11/13/08	0	3/10/09	-0.15
			TCA (µg/m^3)	5/27/08	15,200	8/29/08	53,100	11/13/08	40,000	3/10/09	8300
			TCE (µg/m^3)	5/27/08	6380	8/29/08	13,800	11/13/08	14,900	3/10/09	6080

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034	160	160	CO_2 (µg/m^3)	5/27/08	4,410,000	8/29/08	8,870,000	11/13/08	9,290,000	3/10/09	14,200,000
			Freon-11 (µg/m^3)	5/27/08	132	8/29/08	69	11/13/08	-34	3/10/09	-347
			H_2O (µg/m^3)	5/27/08	6,210,000	8/29/08	14,000,000	11/13/08	11,700,000	3/10/09	13,100,000
			PCE (µg/m^3)	5/27/08	2180	8/29/08	3710	11/13/08	3490	3/10/09	-1400
			Pressure Differential (kPa)	5/27/08	-1	NS	NS	11/13/08	0	3/10/09	0
			TCA (µg/m^3)	5/27/08	7710	8/29/08	38,500	11/13/08	18,300	3/10/09	5970
			TCE (µg/m^3)	5/27/08	2680	8/29/08	8890	11/13/08	12,800	3/10/09	4350
	200	200	CO_2 (µg/m^3)	5/27/08	4,340,000	8/29/08	7,490,000	11/13/08	8,050,000	3/10/09	12,200,000
			Freon-11 (µg/m^3)	5/27/08	126	8/29/08	478	11/13/08	240	3/10/09	-309
			H_2O (µg/m^3)	5/27/08	6,230,000	8/29/08	12,900,000	11/13/08	11,700,000	3/10/09	12,800,000
			PCE (µg/m^3)	5/27/08	1920	8/29/08	4300	11/13/08	7300	3/10/09	559
			Pressure Differential (kPa)	5/27/08	-1	NS	NS	11/13/08	0	3/10/09	0.03
			TCA (µg/m^3)	5/27/08	5740	8/29/08	25,700	11/13/08	10,700	3/10/09	115
			TCE (µg/m^3)	5/27/08	2960	8/29/08	6970	11/13/08	8730	3/10/09	2640
	220	220	CO_2 (µg/m^3)	5/27/08	3,260,000	8/29/08	7,070,000	11/13/08	7,330,000	3/10/09	11,300,000
			Freon-11 (µg/m^3)	5/27/08	109	8/29/08	613	11/13/08	418	3/10/09	-166
			H_2O (µg/m^3)	5/27/08	5,700,000	8/29/08	14,000,000	11/13/08	11,800,000	3/10/09	12,300,000
			PCE (µg/m^3)	5/27/08	1180	8/29/08	2740	11/13/08	3110	3/10/09	1790
			Pressure Differential (kPa)	5/27/08	-1	NS	NS	11/13/08	0	3/10/09	0.04
			TCA (µg/m^3)	5/27/08	4160	8/29/08	20,700	11/13/08	6010	3/10/09	-2100
			TCE (µg/m^3)	5/27/08	2080	8/29/08	5130	11/13/08	7070	3/10/09	1770

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02034	260	260	CO_2 (µg/m^3)	5/27/08	2,470,000	8/29/08	5,110,000	11/13/08	5,440,000	3/10/09	8,330,000
			Freon-11 (µg/m^3)	5/27/08	-155	8/29/08	-4720	11/13/08	-223	3/10/09	-393
			H_2O (µg/m^3)	5/27/08	5,900,000	8/29/08	13,900,000	11/13/08	11,700,000	3/10/09	13,200,000
			PCE (µg/m^3)	5/27/08	925	8/29/08	-168	11/13/08	980	3/10/09	-1600
			Pressure Differential (kPa)	5/27/08	-1	NS	NS	11/13/08	0	3/10/09	0
			TCA (µg/m^3)	5/27/08	287	8/29/08	4680	11/13/08	-7440	3/10/09	-17,000
			TCE (µg/m^3)	5/27/08	1550	8/29/08	1960	11/13/08	2930	3/10/09	1130
	300	300	CO_2 (µg/m^3)	5/27/08	792,000	8/29/08	3,290,000	11/13/08	3,550,000	3/10/09	5,500,000
			Freon-11 (µg/m^3)	5/27/08	-126	8/29/08	-166	11/13/08	-762	3/10/09	-741
			H_2O (µg/m^3)	5/27/08	6,640,000	8/29/08	13,600,000	11/13/08	13,100,000	3/10/09	13,500,000
			PCE (µg/m^3)	5/27/08	327	8/29/08	-174	11/13/08	-1400	3/10/09	-123
			Pressure Differential (kPa)	5/27/08	-1	NS	NS	11/13/08	0	3/10/09	0.06
			TCA (µg/m^3)	5/27/08	-1780	8/29/08	-569	11/13/08	-10,100	3/10/09	-14,000
			TCE (µg/m^3)	5/27/08	766	8/29/08	2230	11/13/08	2860	3/10/09	3250
54-02089	Ambient	Ambient	CO_2 (µg/m^3)	5/19/08	781,000	NS	NS	11/7/08	655,000	3/16/09	1,670,000
			Freon-11 (µg/m^3)	5/19/08	-69	NS	NS	11/7/08	355	3/16/09	391
			H_2O (µg/m^3)	5/19/08	4,490,000	NS	NS	11/7/08	2,030,000	3/16/09	5,820,000
			PCE (µg/m^3)	5/19/08	702	NS	NS	11/7/08	2650	3/16/09	6710
			Pressure Differential (kPa)	NS	NS	NS	NS	11/7/08	0	3/16/09	0
			TCA (µg/m^3)	5/19/08	-2310	NS	NS	11/7/08	-1690	3/16/09	-7100
			TCE (µg/m^3)	5/19/08	873	NS	NS	11/7/08	2300	3/16/09	3510

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02089	13	13	CO_2 (µg/m^3)	5/19/08	52,900,000	8/21/08	38,900,000	11/7/08	40,700,000	3/16/09	55,000,000
			Freon-11 (µg/m^3)	5/19/08	113,000	8/21/08	65,800	11/7/08	78,400	3/16/09	45,400
			H_2O (µg/m^3)	5/19/08	14,200,000	8/21/08	17,500,000	11/7/08	8,400,000	3/16/09	12,100,000
			PCE (µg/m^3)	5/19/08	751,000	8/21/08	600,000	11/7/08	716,000	3/16/09	414,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/7/08	0	3/16/09	0
			TCA (µg/m^3)	5/19/08	1,730,000	8/21/08	1,670,000	11/7/08	1,880,000	3/16/09	1,550,000
			TCE (µg/m^3)	5/19/08	616,000	8/21/08	557,000	11/7/08	632,000	3/16/09	528,000
	31	31	CO_2 (µg/m^3)	5/19/08	54,000,000	8/21/08	38,900,000	11/7/08	42,500,000	3/16/09	61,900,000
			Freon-11 (µg/m^3)	5/19/08	135,000	8/21/08	99,100	11/7/08	117,000	3/16/09	94,900
			H_2O (µg/m^3)	5/19/08	14,900,000	8/21/08	16,000,000	11/7/08	8,920,000	3/16/09	14,100,000
			PCE (µg/m^3)	5/19/08	890,000	8/21/08	890,000	11/7/08	1,070,000	3/16/09	904,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/7/08	0	3/16/09	0
			TCA (µg/m^3)	5/19/08	2,040,000	8/21/08	2,100,000	11/7/08	2,430,000	3/16/09	2,680,000
			TCE (µg/m^3)	5/19/08	627,000	8/21/08	611,000	11/7/08	691,000	3/16/09	643,000
	46	46	CO_2 (µg/m^3)	5/19/08	55,300,000	8/21/08	40,500,000	11/7/08	41,400,000	3/16/09	58,400,000
			Freon-11 (µg/m^3)	5/19/08	176,000	8/21/08	140,000	11/7/08	151,000	3/16/09	113,000
			H_2O (µg/m^3)	5/19/08	14,600,000	8/21/08	16,800,000	11/7/08	10,500,000	3/16/09	11,900,000
			PCE (µg/m^3)	5/19/08	1,210,000	8/21/08	1,270,000	11/7/08	1,380,000	3/16/09	1,090,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/7/08	0	3/16/09	0
			TCA (µg/m^3)	5/19/08	2,690,000	8/21/08	2,840,000	11/7/08	3,050,000	3/16/09	3,170,000
			TCE (µg/m^3)	5/19/08	750,000	8/21/08	755,000	11/7/08	798,000	3/16/09	639,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-02089	86	86	CO_2 (µg/m^3)	5/19/08	40,900,000	8/21/08	34,200,000	11/7/08	34,700,000	3/16/09	51,700,000
			Freon-11 (µg/m^3)	5/19/08	151,000	8/21/08	141,000	11/7/08	152,000	3/16/09	117,000
			H_2O (µg/m^3)	5/19/08	13,600,000	8/21/08	15,900,000	11/7/08	10,300,000	3/16/09	11,700,000
			PCE (µg/m^3)	5/19/08	1,000,000	8/21/08	1,260,000	11/7/08	1,370,000	3/16/09	1,120,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/7/08	0	3/16/09	-0.04
			TCA (µg/m^3)	5/19/08	2,460,000	8/21/08	3,010,000	11/7/08	3,220,000	3/16/09	3,480,000
			TCE (µg/m^3)	5/19/08	643,000	8/21/08	766,000	11/7/08	814,000	3/16/09	702,000
54-24238	Ambient	Ambient	CO_2 (µg/m^3)	5/16/08	880,000	NS	NS	11/7/08	659,000	3/16/09	921,000
			Freon-11 (µg/m^3)	5/16/08	17	NS	NS	11/7/08	57	3/16/09	-110
			H_2O (µg/m^3)	5/16/08	5,900,000	NS	NS	11/7/08	1,390,000	3/16/09	12,800,000
			PCE (µg/m^3)	5/16/08	1810	NS	NS	11/7/08	3430	3/16/09	3060
			Pressure Differential (kPa)	5/16/08	0	NS	NS	11/7/08	0	3/16/09	0
			TCA (µg/m^3)	5/16/08	-4960	NS	NS	11/7/08	-282	3/16/09	-1400
			TCE (µg/m^3)	5/16/08	922	NS	NS	11/7/08	1760	3/16/09	3800
	44	43–45	CO_2 (µg/m^3)	5/16/08	57,200,000	8/20/08	42,100,000	11/7/08	41,200,000	3/16/09	62,800,000
			Freon-11 (µg/m^3)	5/16/08	153,000	8/20/08	137,000	11/7/08	129,000	3/16/09	107,000
			H_2O (µg/m^3)	5/16/08	15,400,000	8/20/08	21,000,000	11/7/08	8,030,000	3/16/09	18,100,000
			PCE (µg/m^3)	5/16/08	1,060,000	8/20/08	1,270,000	11/7/08	1,220,000	3/16/09	1,070,000
			Pressure Differential (kPa)	5/16/08	0	NS	NS	11/7/08	0	3/16/09	-0.06
			TCA (µg/m^3)	5/16/08	2,540,000	8/20/08	3,420,000	11/7/08	3,030,000	3/16/09	2,930,000
			TCE (µg/m^3)	5/16/08	595,000	8/20/08	697,000	11/7/08	648,000	3/16/09	532,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24238	64	63–65	CO_2 (µg/m^3)	5/16/08	45,200,000	8/20/08	37,400,000	11/7/08	34,600,000	3/16/09	53,500,000
			Freon-11 (µg/m^3)	5/16/08	163,000	8/20/08	148,000	11/7/08	148,000	3/16/09	122,000
			H_2O (µg/m^3)	5/16/08	14,500,000	8/20/08	15,300,000	11/7/08	9,360,000	3/16/09	17,800,000
			PCE (µg/m^3)	5/16/08	1,120,000	8/20/08	1,350,000	11/7/08	1,380,000	3/16/09	1,200,000
			Pressure Differential (kPa)	5/16/08	0	NS	NS	11/7/08	0	3/16/09	-0.12
			TCA (µg/m^3)	5/16/08	2,930,000	8/20/08	4,090,000	11/7/08	3,810,000	3/16/09	3,610,000
			TCE (µg/m^3)	5/16/08	528,000	8/20/08	697,000	11/7/08	622,000	3/16/09	508,000
	84	83–85	CO_2 (µg/m^3)	5/16/08	47,200,000	8/20/08	32,600,000	11/7/08	32,400,000	3/16/09	49,500,000
			Freon-11 (µg/m^3)	5/16/08	180,000	8/20/08	132,000	11/7/08	143,000	3/16/09	117,000
			H_2O (µg/m^3)	5/16/08	14,900,000	8/20/08	14,900,000	11/7/08	9,580,000	3/16/09	12,900,000
			PCE (µg/m^3)	5/16/08	1,220,000	8/20/08	1,170,000	11/7/08	1,310,000	3/16/09	1,150,000
			Pressure Differential (kPa)	5/16/08	0	NS	NS	11/7/08	0	3/16/09	0
			TCA (µg/m^3)	5/16/08	2,970,000	8/20/08	3,050,000	11/7/08	3,250,000	3/16/09	3,290,000
			TCE (µg/m^3)	5/16/08	584,000	8/20/08	659,000	11/7/08	616,000	3/16/09	524,000
54-24239	Ambient	Ambient	CO_2 (µg/m^3)	5/20/08	743,000	NS	NS	11/12/08	3,350,000	3/17/09	1,440,000
			Freon-11 (µg/m^3)	5/20/08	-6	NS	NS	11/12/08	-1,130	3/17/09	774
			H_2O (µg/m^3)	5/20/08	5,380,000	NS	NS	11/12/08	8,400,000	3/17/09	6,630,000
			PCE (µg/m^3)	5/20/08	1200	NS	NS	11/12/08	452	3/17/09	31,300
			Pressure Differential (kPa)	5/20/08	0	NS	NS	11/12/08	0	3/17/09	0
			TCA (µg/m^3)	5/20/08	1710	NS	NS	11/12/08	-7440	3/17/09	-7100
			TCE (µg/m^3)	5/20/08	482	NS	NS	11/12/08	1300	3/17/09	4590

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24239	25	24–26	CO_2 (µg/m^3)	5/20/08	18,700,000	8/21/08	16,100,000	11/12/08	16,400,000	3/17/09	23,000,000
			Freon-11 (µg/m^3)	5/20/08	10,900	8/21/08	15,700	11/12/08	19,900	3/17/09	12,700
			H_2O (µg/m^3)	5/20/08	19,600,000	8/21/08	21,100,000	11/12/08	9,140,000	3/17/09	12,900,000
			PCE (µg/m^3)	5/20/08	695,000	8/21/08	438,000	11/12/08	503,000	3/17/09	395,000
			Pressure Differential (kPa)	5/20/08	0	NS	NS	11/12/08	0	3/17/09	0
			TCA (µg/m^3)	5/20/08	457,000	8/21/08	702,000	11/12/08	638,000	3/17/09	651,000
			TCE (µg/m^3)	5/20/08	164,000	8/21/08	186,000	11/12/08	163,000	3/17/09	142,000
	50	49–51	CO_2 (µg/m^3)	5/20/08	22,100,000	8/21/08	16,500,000	11/12/08	16,400,000	3/17/09	24,300,000
			Freon-11 (µg/m^3)	5/20/08	36,500	8/21/08	19,800	11/12/08	23,700	3/17/09	16,100
			H_2O (µg/m^3)	5/20/08	14,000,000	8/21/08	24,500,000	11/12/08	9,290,000	3/17/09	13,700,000
			PCE (µg/m^3)	5/20/08	647,000	8/21/08	480,000	11/12/08	536,000	3/17/09	442,000
			Pressure Differential (kPa)	5/20/08	0	NS	NS	11/12/08	0	3/17/09	-0.02
			TCA (µg/m^3)	5/20/08	1,040,000	8/21/08	835,000	11/12/08	771,000	3/17/09	790,000
			TCE (µg/m^3)	5/20/08	277,000	8/21/08	219,000	11/12/08	188,000	3/17/09	164,000
	75	74–76	CO_2 (µg/m^3)	5/20/08	22,500,000	8/21/08	16,700,000	11/12/08	16,100,000	3/17/09	24,000,000
			Freon-11 (µg/m^3)	5/20/08	30,600	8/21/08	22,600	11/12/08	25,400	3/17/09	17,700
			H_2O (µg/m^3)	5/20/08	13,900,000	8/21/08	22,600,000	11/12/08	8,920,000	3/17/09	13,700,000
			PCE (µg/m^3)	5/20/08	751,000	8/21/08	496,000	11/12/08	542,000	3/17/09	454,000
			Pressure Differential (kPa)	5/20/08	0	NS	NS	11/12/08	0	3/17/09	0.06
			TCA (µg/m^3)	5/20/08	952,000	8/21/08	930,000	11/12/08	835,000	3/17/09	839,000
			TCE (µg/m^3)	5/20/08	266,000	8/21/08	241,000	11/12/08	206,000	3/17/09	176,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24239	99.5	98.5–100.5	CO_2 (µg/m^3)	5/20/08	22,000,000	8/21/08	16,600,000	11/12/08	15,900,000	3/17/09	23,500,000
			Freon-11 (µg/m^3)	5/20/08	21,800	8/21/08	25,300	11/12/08	28,000	3/17/09	19,400
			H_2O (µg/m^3)	5/20/08	16,700,000	8/21/08	20,300,000	11/12/08	9,360,000	3/17/09	13,700,000
			PCE (µg/m^3)	5/20/08	793,000	8/21/08	488,000	11/12/08	521,000	3/17/09	434,000
			Pressure Differential (kPa)	5/20/08	0	NS	NS	11/12/08	0	3/17/09	-0.06
			TCA (µg/m^3)	5/20/08	766,000	8/21/08	1,000,000	11/12/08	899,000	3/17/09	882,000
			TCE (µg/m^3)	5/20/08	237,000	8/21/08	256,000	11/12/08	213,000	3/17/09	181,000
54-24240	Ambient	Ambient	CO_2 (µg/m^3)	6/16/08	607,000	NS	NS	11/10/08	648,000	3/14/09	990,000
			Freon-11 (µg/m^3)	6/16/08	269	NS	NS	11/10/08	1100	3/14/09	633
			H_2O (µg/m^3)	6/16/08	4,860,000	NS	NS	11/10/08	8,990,000	3/14/09	11,000,000
			PCE (µg/m^3)	6/16/08	3860	NS	NS	11/10/08	1410	3/14/09	4970
			Pressure Differential (kPa)	6/16/08	0	NS	NS	11/10/08	0	3/14/09	0
			TCA (µg/m^3)	6/16/08	-1840	NS	NS	11/10/08	-845	3/14/09	-2500
			TCE (µg/m^3)	6/16/08	1830	NS	NS	11/10/08	2210	3/14/09	3450
	28	27–29	CO_2 (µg/m^3)	6/16/08	23,400,000	8/22/08	29,200,000	11/10/08	28,400,000	3/14/09	38,700,000
			Freon-11 (µg/m^3)	6/16/08	30,500	8/22/08	36,000	11/10/08	52,000	3/14/09	34,800
			H_2O (µg/m^3)	6/16/08	14,600,000	8/22/08	17,800,000	11/10/08	9,730,000	3/14/09	12,500,000
			PCE (µg/m^3)	6/16/08	500,000	8/22/08	593,000	11/10/08	813,000	3/14/09	625,000
			Pressure Differential (kPa)	6/16/08	0	NS	NS	11/10/08	0	3/14/09	0.07
			TCA (µg/m^3)	6/16/08	1,760,000	8/22/08	2,080,000	11/10/08	2,670,000	3/14/09	3,050,000
			TCE (µg/m^3)	6/16/08	713,000	8/22/08	1,000,000	11/10/08	1,110,000	3/14/09	1,010,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24240	53	52–54	CO_2 (µg/m^3)	6/16/08	22,500,000	8/22/08	23,900,000	11/10/08	23,000,000	3/14/09	35,500,000
			Freon-11 (µg/m^3)	6/16/08	60,700	8/22/08	58,400	11/10/08	50,000	3/14/09	41,700
			H_2O (µg/m^3)	6/16/08	15,200,000	8/22/08	15,600,000	11/10/08	9,800,000	3/14/09	13,200,000
			PCE (µg/m^3)	6/16/08	616,000	8/22/08	615,000	11/10/08	638,000	3/14/09	569,000
			Pressure Differential (kPa)	6/16/08	0	NS	NS	11/10/08	0	3/14/09	0.12
			TCA (µg/m^3)	6/16/08	3,040,000	8/22/08	2,950,000	11/10/08	2,520,000	3/14/09	3,150,000
			TCE (µg/m^3)	6/16/08	900,000	8/22/08	900,000	11/10/08	755,000	3/14/09	862,000
	78	77–79	CO_2 (µg/m^3)	6/16/08	17,400,000	8/22/08	17,200,000	11/10/08	15,500,000	3/14/09	25,600,000
			Freon-11 (µg/m^3)	6/16/08	38,300	8/22/08	33,500	11/10/08	24,700	3/14/09	23,100
			H_2O (µg/m^3)	6/16/08	13,900,000	8/22/08	14,400,000	11/10/08	9,580,000	3/14/09	13,100,000
			PCE (µg/m^3)	6/16/08	469,000	8/22/08	434,000	11/10/08	363,000	3/14/09	369,000
			Pressure Differential (kPa)	6/16/08	0	NS	NS	11/10/08	0	3/14/09	0.19
			TCA (µg/m^3)	6/16/08	2,040,000	8/22/08	1,870,000	11/10/08	1,550,000	3/14/09	1,900,000
			TCE (µg/m^3)	6/16/08	534,000	8/22/08	480,000	11/10/08	372,000	3/14/09	415,000
	103	102–104	CO_2 (µg/m^3)	6/16/08	14,000,000	8/22/08	13,700,000	11/10/08	12,800,000	3/14/09	21,100,000
			Freon-11 (µg/m^3)	6/16/08	21,700	8/22/08	19,500	11/10/08	19,100	3/14/09	16,400
			H_2O (µg/m^3)	6/16/08	13,600,000	8/22/08	13,600,000	11/10/08	9,510,000	3/14/09	11,300,000
			PCE (µg/m^3)	6/16/08	307,000	8/22/08	284,000	11/10/08	255,000	3/14/09	264,000
			Pressure Differential (kPa)	6/16/08	-1	NS	NS	11/10/08	1	3/14/09	0.25
			TCA (µg/m^3)	6/16/08	1,670,000	8/22/08	1,560,000	11/10/08	1,310,000	3/14/09	1,620,000
			TCE (µg/m^3)	6/16/08	372,000	8/22/08	348,000	11/10/08	293,000	3/14/09	317,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24240	128	127–129	CO_2 (µg/m^3)	6/16/08	12,700,000	8/22/08	12,200,000	11/10/08	10,900,000	3/14/09	18,500,000
			Freon-11 (µg/m^3)	6/16/08	18,600	8/22/08	16,900	11/10/08	16,200	3/14/09	14,000
			H_2O (µg/m^3)	6/16/08	12,100,000	8/22/08	13,200,000	11/10/08	9,430,000	3/14/09	11,300,000
			PCE (µg/m^3)	6/16/08	227,000	NS	NS	11/10/08	177,000	3/14/09	187,000
			Pressure Differential (kPa)	6/16/08	0	NS	NS	11/10/08	0	3/14/09	0.27
			TCA (µg/m^3)	6/16/08	1,530,000	8/22/08	1,380,000	11/10/08	1,030,000	3/14/09	1,430,000
			TCE (µg/m^3)	6/16/08	321,000	8/22/08	295,000	11/10/08	241,000	3/14/09	269,000
	153	152–154	CO_2 (µg/m^3)	6/16/08	11,600,000	8/22/08	10,900,000	11/10/08	10,400,000	3/14/09	16,200,000
			Freon-11 (µg/m^3)	6/16/08	17,000	8/22/08	15,000	11/10/08	16,800	3/14/09	12,500
			H_2O (µg/m^3)	6/16/08	15,000,000	8/22/08	12,200,000	11/10/08	9,210,000	3/14/09	11,400,000
			PCE (µg/m^3)	6/16/08	186,000	8/22/08	140,000	11/10/08	165,000	3/14/09	148,000
			Pressure Differential (kPa)	6/16/08	0	NS	NS	11/10/08	0	3/14/09	0.28
			TCA (µg/m^3)	6/16/08	1,330,000	8/22/08	1,060,000	11/10/08	941,000	3/14/09	1,180,000
			TCE (µg/m^3)	6/16/08	294,000	8/22/08	236,000	11/10/08	216,000	3/14/09	233,000
54-24241	Ambient	Ambient	CO_2 (µg/m^3)	5/20/08	776,000	NS	NS	11/10/08	632,000	3/16/09	1,190,000
			Freon-11 (µg/m^3)	5/20/08	74	NS	NS	11/10/08	40	3/16/09	298
			H_2O (µg/m^3)	5/20/08	6,740,000	NS	NS	11/10/08	4,160,000	3/16/09	47,000,000
			PCE (µg/m^3)	5/20/08	389	NS	NS	11/10/08	2,550	3/16/09	5640
			Pressure Differential (kPa)	5/20/08	0	NS	NS	11/10/08	0	3/16/09	0
			TCA (µg/m^3)	5/20/08	-2950	NS	NS	11/10/08	-3,810	3/16/09	-6600
			TCE (µg/m^3)	5/20/08	129	NS	NS	11/10/08	670	3/16/09	2620

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241	73	71–74	CO_2 (µg/m^3)	5/20/08	23,200,000	8/15/08	23,400,000	11/10/08	22,100,000	3/16/09	31,800,000
			Freon-11 (µg/m^3)	5/20/08	49,200	8/15/08	55,300	11/10/08	55,000	3/16/09	36,700
			H_2O (µg/m^3)	5/20/08	14,400,000	8/15/08	24,500,000	11/10/08	9,360,000	3/16/09	12,400,000
			PCE (µg/m^3)	5/20/08	420,000	8/15/08	617,000	11/10/08	642,000	3/16/09	451,000
			Pressure Differential (kPa)	5/20/08	0	NS	NS	11/10/08	0	3/16/09	-0.06
			TCA (µg/m^3)	5/20/08	1,200,000	8/15/08	2,040,000	11/10/08	1,800,000	3/16/09	1,790,000
			TCE (µg/m^3)	5/20/08	249,000	8/15/08	373,000	11/10/08	352,000	3/16/09	293,000
	93	92–94	CO_2 (µg/m^3)	5/20/08	20,900,000	8/15/08	21,100,000	11/10/08	20,500,000	3/16/09	27,300,000
			Freon-11 (µg/m^3)	5/20/08	42,400	8/15/08	50,700	11/10/08	550,000	3/16/09	32,600
			H_2O (µg/m^3)	5/20/08	14,200,000	8/15/08	25,900,000	11/10/08	9,650,000	3/16/09	13,000,000
			PCE (µg/m^3)	5/20/08	348,000	8/15/08	553,000	11/10/08	621,000	3/16/09	397,000
			Pressure Differential (kPa)	5/20/08	0	NS	NS	11/10/08	0	3/16/09	-0.14
			TCA (µg/m^3)	5/20/08	946,000	8/15/08	1,660,000	11/10/08	1,600,000	3/16/09	1,460,000
			TCE (µg/m^3)	5/20/08	199,000	8/15/08	337,000	11/10/08	340,000	3/16/09	267,000
	113	112–114	CO_2 (µg/m^3)	5/20/08	17,500,000	8/15/08	18,700,000	11/10/08	18,900,000	3/16/09	22,900,000
			Freon-11 (µg/m^3)	5/20/08	38,900	8/15/08	45,100	11/10/08	49,900	3/16/09	24,400
			H_2O (µg/m^3)	5/20/08	14,200,000	8/15/08	25,400,000	11/10/08	9,580,000	3/16/09	13,300,000
			PCE (µg/m^3)	5/20/08	289,000	8/15/08	458,000	11/10/08	540,000	3/16/09	284,000
			Pressure Differential (kPa)	5/20/08	0	NS	NS	11/10/08	0	3/16/09	-0.18
			TCA (µg/m^3)	5/20/08	750,000	8/15/08	1,290,000	11/10/08	1,310,000	3/16/09	1,010,000
			TCE (µg/m^3)	5/20/08	171,000	8/15/08	267,000	11/10/08	291,000	3/16/09	192,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241	133	132–134	CO_2 (µg/m^3)	5/20/2008	17,200,000	NS	16,200,000	11/10/2008	15,300,000	3/16/2009	19,600,000
			Freon-11 (µg/m^3)	5/20/2008	40,000	8/15/2008	42,500	11/10/2008	46,600	3/16/2009	25,900
			H_2O (µg/m^3)	5/20/2008	14,000,000	NS	25,800,000	11/10/2008	9,800,000	3/16/2009	13,200,000
			PCE (µg/m^3)	5/20/2008	289,000	8/15/2008	406,000	11/10/2008	439,000	3/16/2009	276,000
			Pressure Differential (kPa)	5/20/2008	0	NS	NS	11/10/2008	0	3/16/2009	-0.26
			TCA (µg/m^3)	5/20/2008	755,000	8/15/2008	1,080,000	11/10/2008	957,000	3/16/2009	904,000
			TCE (µg/m^3)	5/20/2008	182,000	8/15/2008	245,000	11/10/2008	233,000	3/16/2009	180,000
	153	152–154	CO_2 (µg/m^3)	5/20/08	17,200,000	8/15/08	15,300,000	11/10/08	14,600,000	3/16/09	19,200,000
			Freon-11 (µg/m^3)	5/20/08	40,900	8/15/08	43,100	11/10/08	48,300	3/16/09	26,300
			H_2O (µg/m^3)	5/20/08	13,800,000	8/15/08	21,400,000	11/10/08	9,580,000	3/16/09	13,600,000
			PCE (µg/m^3)	5/20/08	286,000	8/15/08	389,000	11/10/08	428,000	3/16/09	265,000
			Pressure Differential (kPa)	5/20/08	0	NS	NS	11/10/08	0	3/16/09	-0.35
			TCA (µg/m^3)	5/20/08	744,000	8/15/08	1,020,000	11/10/08	909,000	3/16/09	834,000
			TCE (µg/m^3)	5/20/08	177,000	8/15/08	235,000	11/10/08	224,000	3/16/09	172,000
	173	172–174	CO_2 (µg/m^3)	5/20/08	26,800,000	8/15/08	14,600,000	11/10/08	14,300,000	3/16/09	18,600,000
			Freon-11 (µg/m^3)	5/20/08	54,700	8/15/08	44,400	11/10/08	48,900	3/16/09	25,300
			H_2O (µg/m^3)	5/20/08	14,900,000	8/15/08	16,400,000	11/10/08	9,510,000	3/16/09	13,600,000
			PCE (µg/m^3)	5/20/08	485,000	8/15/08	380,000	11/10/08	428,000	3/16/09	248,000
			Pressure Differential (kPa)	5/20/08	-1	NS	NS	11/10/08	0	3/16/09	-0.36
			TCA (µg/m^3)	5/20/08	1,560,000	8/15/08	962,000	11/10/08	904,000	3/16/09	795,000
			TCE (µg/m^3)	5/20/08	296,000	8/15/08	228,000	11/10/08	222,000	3/16/09	166,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24241	193	192–194	CO_2 (µg/m^3)	5/20/08	17,000,000	8/15/08	14,000,000	11/10/08	14,100,000	3/16/09	19,200,000
			Freon-11 (µg/m^3)	5/20/08	44,600	8/15/08	45,900	11/10/08	49,800	3/16/09	27,500
			H_2O (µg/m^3)	5/20/08	14,100,000	8/15/08	23,500,000	11/10/08	9,510,000	3/16/09	13,800,000
			PCE (µg/m^3)	5/20/08	302,000	8/15/08	371,000	11/10/08	423,000	3/16/09	269,000
			Pressure Differential (kPa)	5/20/08	0	NS	NS	11/10/08	0	3/16/09	0.02
			TCA (µg/m^3)	5/20/08	750,000	8/15/08	909,000	11/10/08	883,000	3/16/09	843,000
			TCE (µg/m^3)	5/20/08	185,000	8/15/08	220,000	11/10/08	218,000	3/16/09	180,000
54-24242	Ambient	Ambient	CO_2 (µg/m^3)	5/21/08	770,000	NS	NS	11/7/08	648,000	3/17/09	899,000
			Freon-11 (µg/m^3)	5/21/08	298	NS	NS	11/7/08	384	3/17/09	-0.47
			H_2O (µg/m^3)	5/21/08	8,400,000	NS	NS	11/7/08	2,120,000	3/17/09	4,330,000
			PCE (µg/m^3)	5/21/08	-257	NS	NS	11/7/08	3000	3/17/09	1790
			Pressure Differential (kPa)	5/21/08	0	NS	NS	11/7/08	0	3/17/09	0
			TCA (µg/m^3)	5/21/08	-383	NS	NS	11/7/08	-2540	3/17/09	-1800
			TCE (µg/m^3)	5/21/08	377	NS	NS	11/7/08	1500	3/17/09	2740
	25	24–26	CO_2 (µg/m^3)	5/21/08	20,900,000	8/21/08	14,800,000	11/7/08	17,600,000	3/17/09	20,500,000
			Freon-11 (µg/m^3)	5/21/08	25,300	8/21/08	11,600	11/7/08	15,600	3/17/09	9770
			H_2O (µg/m^3)	5/21/08	15,900,000	8/21/08	24,600,000	11/7/08	10,700,000	3/17/09	11,900,000
			PCE (µg/m^3)	5/21/08	451,000	8/21/08	994,000	11/7/08	1,020,000	3/17/09	541,000
			Pressure Differential (kPa)	5/21/08	0	NS	NS	11/7/08	0	3/17/09	0
			TCA (µg/m^3)	5/21/08	665,000	8/21/08	474,000	11/7/08	524,000	3/17/09	375,000
			TCE (µg/m^3)	5/21/08	167,000	8/21/08	159,000	11/7/08	168,000	3/17/09	98,500

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24242	50	49–51	CO_2 (µg/m^3)	5/21/08	21,800,000	8/21/08	13,500,000	11/7/08	16,900,000	3/17/09	23,200,000
			Freon-11 (µg/m^3)	5/21/08	31,000	8/21/08	25,000	11/7/08	33,300	3/17/09	23,600
			H_2O (µg/m^3)	5/21/08	17,000,000	8/21/08	21,300,000	11/7/08	12,300,000	3/17/09	13,000,000
			PCE (µg/m^3)	5/21/08	509,000	8/21/08	527,000	11/7/08	686,000	3/17/09	535,000
			Pressure Differential (kPa)	5/21/08	0	NS	NS	11/7/08	0	3/17/09	-0.17
			TCA (µg/m^3)	5/21/08	787,000	8/21/08	867,000	11/7/08	1,080,000	3/17/09	989,000
			TCE (µg/m^3)	5/21/08	197,000	8/21/08	215,000	11/7/08	266,000	3/17/09	196,000
	75	74–76	CO_2 (µg/m^3)	5/21/08	22,100,000	8/21/08	13,900,000	11/7/08	17,400,000	3/17/09	24,100,000
			Freon-11 (µg/m^3)	5/21/08	33,400	8/21/08	22,400	11/7/08	29,800	3/17/09	22,300
			H_2O (µg/m^3)	5/21/08	16,200,000	8/21/08	26,400,000	11/7/08	11,300,000	3/17/09	12,600,000
			PCE (µg/m^3)	5/21/08	527,000	8/21/08	608,000	11/7/08	807,000	3/17/09	674,000
			Pressure Differential (kPa)	5/21/08	1	NS	NS	11/7/08	0	3/17/09	-0.08
			TCA (µg/m^3)	5/21/08	851,000	8/21/08	813,000	11/7/08	989,000	3/17/09	905,000
			TCE (µg/m^3)	5/21/08	212,000	8/21/08	213,000	11/7/08	253,000	3/17/09	184,000
	100	99–101	CO_2 (µg/m^3)	5/21/08	22,000,000	8/21/08	17,100,000	11/7/08	17,900,000	3/17/09	24,700,000
			Freon-11 (µg/m^3)	5/21/08	36,800	8/21/08	20,000	11/7/08	24,300	3/17/09	18,200
			H_2O (µg/m^3)	5/21/08	15,800,000	8/21/08	20,600,000	11/7/08	11,400,000	3/17/09	12,800,000
			PCE (µg/m^3)	5/21/08	521,000	8/21/08	862,000	11/7/08	966,000	3/17/09	762,000
			Pressure Differential (kPa)	5/21/08	1	NS	NS	11/7/08	0	3/17/09	-0.03
			TCA (µg/m^3)	5/21/08	909,000	8/21/08	798,000	11/7/08	803,000	3/17/09	741,000
			TCE (µg/m^3)	5/21/08	223,000	8/21/08	245,000	11/7/08	226,000	3/17/09	167,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24242	110.5	109.5–111.5	CO_2 (µg/m^3)	NS	NS	8/21/08	17,000,000	11/7/08	16,500,000	3/17/09	20,600,000
			Freon-11 (µg/m^3)	NS	NS	8/21/08	33,100	11/7/08	33,400	3/17/09	19,000
			H_2O (µg/m^3)	NS	NS	8/21/08	14,900,000	11/7/08	11,700,000	3/17/09	13,000,000
			PCE (µg/m^3)	NS	NS	8/21/08	655,000	11/7/08	666,000	3/17/09	497,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/7/08	0	3/17/09	-0.15
			TCA (µg/m^3)	NS	NS	8/21/08	1,160,000	11/7/08	1,080,000	3/17/09	1,020,000
			TCE (µg/m^3)	NS	NS	8/21/08	296,000	11/7/08	266,000	3/17/09	217,000
54-24243	Ambient	Ambient	CO_2 (µg/m^3)	6/3/08	781,000	NS	NS	11/14/08	644,000	3/19/09	953,000
			Freon-11 (µg/m^3)	6/3/08	104	NS	NS	11/14/08	-550	3/19/09	82
			H_2O (µg/m^3)	6/3/08	4,050,000	NS	NS	11/14/08	5,820,000	3/19/09	6,920,000
			PCE (µg/m^3)	6/3/08	-118	NS	NS	11/14/08	5150	3/19/09	4310
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/14/08	0	3/19/09	0
			TCA (µg/m^3)	6/3/08	-1540	NS	NS	11/14/08	-7440	3/19/09	-3100
			TCE (µg/m^3)	6/3/08	536	NS	NS	11/14/08	8730	3/19/09	3190
	25	24–26	CO_2 (µg/m^3)	6/3/08	27,500,000	8/6/08	21,400,000	11/14/08	21,200,000	3/19/09	28,800,000
			Freon-11 (µg/m^3)	6/3/08	65,300	8/6/08	47,800	11/14/08	54,300	3/19/09	48,400
			H_2O (µg/m^3)	6/3/08	14,300,000	8/6/08	18,100,000	11/14/08	11,000,000	3/19/09	13,000,000
			PCE (µg/m^3)	6/3/08	436,000	8/6/08	423,000	11/14/08	504,000	3/19/09	454,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/14/08	0	3/19/09	0
			TCA (µg/m^3)	6/3/08	1,000,000	8/6/08	1,050,000	11/14/08	1,010,000	3/19/09	995,000
			TCE (µg/m^3)	6/3/08	207,000	8/6/08	219,000	11/14/08	202,000	3/19/09	156,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24243	50	49–51	CO_2 (µg/m^3)	6/3/08	32,600,000	8/6/08	24,500,000	11/14/08	24,700,000	3/19/09	36,100,000
			Freon-11 (µg/m^3)	6/3/08	115,000	8/6/08	88,800	11/14/08	92,200	3/19/09	90,900
			H_2O (µg/m^3)	6/3/08	15,100,000	8/6/08	15,700,000	11/14/08	14,300,000	3/19/09	12,800,000
			PCE (µg/m^3)	6/3/08	765,000	8/6/08	786,000	11/14/08	855,000	3/19/09	859,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/14/08	0	3/19/09	0
			TCA (µg/m^3)	6/3/08	1,470,000	8/6/08	1,580,000	11/14/08	1,560,000	3/19/09	1,590,000
			TCE (µg/m^3)	6/3/08	302,000	8/6/08	336,000	11/14/08	324,000	3/19/09	215,000
	75	74–76	CO_2 (µg/m^3)	6/3/08	31,700,000	8/6/08	23,800,000	11/14/08	23,400,000	3/19/09	35,500,000
			Freon-11 (µg/m^3)	6/3/08	115,000	8/6/08	91,000	11/14/08	91,600	3/19/09	85,300
			H_2O (µg/m^3)	6/3/08	14,000,000	8/6/08	23,300,000	11/14/08	13,900,000	3/19/09	13,500,000
			PCE (µg/m^3)	6/3/08	737,000	8/6/08	765,000	11/14/08	800,000	3/19/09	775,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/14/08	0	3/19/09	0
			TCA (µg/m^3)	6/3/08	1,610,000	8/6/08	1,730,000	11/14/08	1,690,000	3/19/09	1,810,000
			TCE (µg/m^3)	6/3/08	345,000	8/6/08	376,000	11/14/08	362,000	3/19/09	277,000
	100	99–101	CO_2 (µg/m^3)	6/3/08	28,800,000	8/6/08	21,600,000	11/14/08	20,300,000	3/19/09	31,400,000
			Freon-11 (µg/m^3)	6/3/08	101,000	8/6/08	78,400	11/14/08	75,000	3/19/09	69,200
			H_2O (µg/m^3)	6/3/08	17,700,000	8/6/08	17,800,000	11/14/08	13,300,000	3/19/09	12,600,000
			PCE (µg/m^3)	6/3/08	616,000	8/6/08	-617,000	11/14/08	624,000	3/19/09	590,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/14/08	0	3/19/09	-0.12
			TCA (µg/m^3)	6/3/08	1,570,000	8/6/08	1,670,000	11/14/08	1,520,000	3/19/09	1,720,000
			TCE (µg/m^3)	6/3/08	338,000	8/6/08	350,000	11/14/08	324,000	3/19/09	282,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-24243	125	124–126	CO_2 (µg/m^3)	6/3/08	25,200,000	8/6/08	18,900,000	11/14/08	17,700,000	3/19/09	28,000,000
			Freon-11 (µg/m^3)	6/3/08	91,000	8/6/08	68,700	11/14/08	67,000	3/19/09	61,500
			H_2O (µg/m^3)	6/3/08	24,100,000	8/6/08	18,700,000	11/14/08	13,100,000	3/19/09	13,300,000
			PCE (µg/m^3)	6/3/08	511,000	8/6/08	496,000	11/14/08	494,000	3/19/09	488,000
			Pressure Differential (kPa)	6/3/08	0	NS	NS	11/14/08	0	3/19/09	-0.10
			TCA (µg/m^3)	6/3/08	1,390,000	8/6/08	1,450,000	11/14/08	1,340,000	3/19/09	1,550,000
			TCE (µg/m^3)	6/3/08	295,000	8/6/08	281,000	11/14/08	287,000	3/19/09	260,000
54-24399	Ambient	Ambient	CO_2 (µg/m^3)	6/16/08	706,000	NS	NS	12/2/08	578,000	3/22/09	904,000
			Freon-11 (µg/m^3)	6/16/08	-1090	NS	NS	12/2/08	-103	3/22/09	-33
			H_2O (µg/m^3)	6/16/08	5,020,000	NS	NS	12/2/08	4,810,000	3/22/09	5,190,000
			PCE (µg/m^3)	6/16/08	1670	NS	NS	12/2/08	765	3/22/09	4160
			Pressure Differential (kPa)	NS	NS	NS	NS	12/2/08	0	3/22/09	0
			TCA (µg/m^3)	6/16/08	-2300	NS	NS	12/2/08	-2590	3/22/09	-1300
			TCE (µg/m^3)	6/16/08	2450	NS	NS	12/2/08	1390	3/22/09	3100
	550	505–608	CO_2 (µg/m^3)	6/16/08	2,110,000	9/2/08	1,820,000	12/2/08	2,000,000	3/22/09	3,070,000
			Freon-11 (µg/m^3)	6/16/08	-69	9/2/08	-449	12/2/08	269	3/22/09	-68
			H_2O (µg/m^3)	6/16/08	13,500,000	9/2/08	9,290,000	12/2/08	13,300,000	3/22/09	14,000,000
			PCE (µg/m^3)	6/16/08	2690	9/2/08	9870	12/2/08	3,180	3/22/09	2890
			Pressure Differential (kPa)	NS	NS	NS	NS	12/2/08	0	3/22/09	0.04
			TCA (µg/m^3)	6/16/08	6170	9/2/08	9780	12/2/08	-1400	3/22/09	-9500
			TCE (µg/m^3)	6/16/08	3700	9/2/08	6590	12/2/08	3480	3/22/09	2610

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641	Ambient	Ambient	CO_2 (µg/m^3)	5/16/08	808,000	NS	NS	11/10/08	617,000	3/13/09	1,020,000
			Freon-11 (µg/m^3)	5/16/08	52	NS	NS	11/10/08	-63	3/13/09	165
			H_2O (µg/m^3)	5/16/08	6,100,000	NS	NS	11/10/08	3,520,000	3/13/09	6,500,000
			PCE (µg/m^3)	5/16/08	236	NS	NS	11/10/08	980	3/13/09	4840
			Pressure Differential (kPa)	5/16/08	0	NS	NS	11/10/08	0	3/13/09	0
			TCA (µg/m^3)	5/16/08	-2840	NS	NS	11/10/08	-2020	3/13/09	-4400
			TCE (µg/m^3)	5/16/08	2110	NS	NS	11/10/08	2490	3/13/09	3790
	32	29.5–34.5	CO_2 (µg/m^3)	5/16/08	19,100,000	8/22/08	17,300,000	11/10/08	18,200,000	3/13/09	24,000,000
			Freon-11 (µg/m^3)	5/16/08	29,200	8/22/08	22,800	11/10/08	24,000	3/13/09	23,100
			H_2O (µg/m^3)	5/16/08	13,300,000	8/22/08	16,200,000	11/10/08	8,400,000	3/13/09	8,140,000
			PCE (µg/m^3)	5/16/08	382,000	8/22/08	377,000	11/10/08	432,000	3/13/09	367,000
			Pressure Differential (kPa)	5/16/08	0	NS	NS	11/10/08	0	3/13/09	0
			TCA (µg/m^3)	5/16/08	1,500,000	8/22/08	1,570,000	11/10/08	1,480,000	3/13/09	2,520,000
			TCE (µg/m^3)	5/16/08	520,000	8/22/08	584,000	11/10/08	643,000	3/13/09	629,000
	82	79.5–84.5	CO_2 (µg/m^3)	5/16/08	15,300,000	8/22/08	12,400,000	11/10/08	12,800,000	3/13/09	20,500,000
			Freon-11 (µg/m^3)	5/16/08	19,900	8/22/08	17,100	11/10/08	19,500	3/13/09	17,700
			H_2O (µg/m^3)	5/16/08	15,500,000	8/22/08	14,600,000	11/10/08	9,140,000	3/13/09	8,280,000
			PCE (µg/m^3)	5/16/08	309,000	8/22/08	334,000	11/10/08	365,000	3/13/09	340,000
			Pressure Differential (kPa)	5/16/08	0	NS	NS	11/10/08	0	3/13/09	0
			TCA (µg/m^3)	5/16/08	1,220,000	8/22/08	1,440,000	11/10/08	1,390,000	3/13/09	1,720,000
			TCE (µg/m^3)	5/16/08	228,000	8/22/08	279,000	11/10/08	267,000	3/13/09	279,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641	115	112.5–117.5	CO_2 (µg/m^3)	5/16/08	14,400,000	8/22/08	11,600,000	11/10/08	11,800,000	3/13/09	18,900,000
			Freon-11 (µg/m^3)	5/16/08	15,700	8/22/08	14,000	11/10/08	15,400	3/13/09	13,700
			H_2O (µg/m^3)	5/16/08	15,600,000	8/22/08	15,300,000	11/10/08	9,210,000	3/13/09	8,290,000
			PCE (µg/m^3)	5/16/08	194,000	8/22/08	209,000	11/10/08	236,000	3/13/09	216,000
			Pressure Differential (kPa)	5/16/08	0	NS	NS	11/10/08	0	3/13/09	0.04
			TCA (µg/m^3)	5/16/08	1,190,000	8/22/08	1,330,000	11/10/08	1,300,000	3/13/09	1,450,000
			TCE (µg/m^3)	5/16/08	206,000	8/22/08	243,000	11/10/08	235,000	3/13/09	230,000
	182	179.5–184.5	CO_2 (µg/m^3)	5/16/08	11,700,000	8/22/08	9,850,000	11/10/08	9,740,000	3/13/09	15,100,000
			Freon-11 (µg/m^3)	5/16/08	13,700	8/22/08	12,300	11/10/08	12,400	3/13/09	10,500
			H_2O (µg/m^3)	5/16/08	13,900,000	8/22/08	14,000,000	11/10/08	9,070,000	3/13/09	8,170,000
			PCE (µg/m^3)	5/16/08	91,800	8/22/08	98,700	11/10/08	112,000	3/13/09	93,100
			Pressure Differential (kPa)	5/16/08	-1	NS	NS	11/10/08	0	3/13/09	0.11
			TCA (µg/m^3)	5/16/08	845,000	8/22/08	920,000	11/10/08	845,000	3/13/09	1,000,000
			TCE (µg/m^3)	5/16/08	159,000	8/22/08	180,000	11/10/08	170,000	3/13/09	167,000
	232	229.5–234.5	CO_2 (µg/m^3)	5/16/08	9,070,000	8/22/08	8,440,000	11/10/08	8,500,000	3/13/09	13,100,000
			Freon-11 (µg/m^3)	5/16/08	9510	8/22/08	10,500	11/10/08	10,500	3/13/09	8750
			H_2O (µg/m^3)	5/16/08	14,800,000	8/22/08	15,500,000	11/10/08	8,990,000	3/13/09	8,130,000
			PCE (µg/m^3)	5/16/08	59,900	8/22/08	72,300	11/10/08	83,400	3/13/09	69,500
			Pressure Differential (kPa)	5/16/08	-2	NS	NS	11/10/08	3	3/13/09	0.12
			TCA (µg/m^3)	5/16/08	338,000	8/22/08	463,000	11/10/08	440,000	3/13/09	494,000
			TCE (µg/m^3)	5/16/08	79,800	8/22/08	104,000	11/10/08	104,000	3/13/09	97,800

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27641	272	268.5–273.5	CO_2 (µg/m^3)	5/16/08	7,130,000	8/22/08	6,620,000	11/10/08	6,770,000	3/13/09	10,500,000
			Freon-11 (µg/m^3)	5/16/08	7040	8/22/08	7040	11/10/08	7100	3/13/09	5810
			H_2O (µg/m^3)	5/16/08	14,400,000	8/22/08	14,600,000	11/10/08	8,770,000	3/13/09	8,170,000
			PCE (µg/m^3)	5/16/08	40,000	8/22/08	46,200	11/10/08	52,800	3/13/09	44,400
			Pressure Differential (kPa)	5/16/08	-2	NS	NS	11/10/08	0	3/13/09	0.12
			TCA (µg/m^3)	5/16/08	120,000	8/22/08	176,000	11/10/08	160,000	3/13/09	162,000
			TCE (µg/m^3)	5/16/08	34,500	8/22/08	47,400	11/10/08	48,800	3/13/09	42,800
	332.5	330–335	CO_2 (µg/m^3)	5/16/08	3,980,000	8/22/08	3,890,000	11/10/08	3,980,000	3/13/09	6,130,000
			Freon-11 (µg/m^3)	5/16/08	825	8/22/08	1100	11/10/08	1120	3/13/09	671
			H_2O (µg/m^3)	5/16/08	13,800,000	8/22/08	15,700,000	11/10/08	9,290,000	3/13/09	8,090,000
			PCE (µg/m^3)	5/16/08	7720	8/22/08	8970	11/10/08	10,200	3/13/09	11,000
			Pressure Differential (kPa)	5/16/08	-1	NS	NS	11/10/08	0	3/13/09	0.12
			TCA (µg/m^3)	5/16/08	-4250	8/22/08	13,200	11/10/08	-3,280	3/13/09	-20,000
			TCE (µg/m^3)	5/16/08	6050	8/22/08	7880	11/10/08	9430	3/13/09	8500
54-27642	Ambient	Ambient	CO_2 (µg/m^3)	5/19/08	893,000	NS	NS	11/6/08	455,000	3/15/09	1,110,000
			Freon-11 (µg/m^3)	5/19/08	-29	NS	NS	11/6/08	3020	3/15/09	69
			H_2O (µg/m^3)	5/19/08	5,150,000	NS	NS	11/6/08	1,050,000	3/15/09	7,770,000
			PCE (µg/m^3)	5/19/08	-42	NS	NS	11/6/08	250	3/15/09	5140
			Pressure Differential (kPa)	NS	NS	NS	NS	11/6/08	0	3/15/09	0
			TCA (µg/m^3)	5/19/08	282	NS	NS	11/6/08	2860	3/15/09	-3800
			TCE (µg/m^3)	5/19/08	11	NS	NS	11/6/08	-1580	3/15/09	3870

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642	30	27.5–32.5	CO_2 (µg/m^3)	5/19/08	37,100,000	8/20/08	29,300,000	11/6/08	30,100,000	3/15/09	42,100,000
			Freon-11 (µg/m^3)	5/19/08	91,600	8/20/08	82,500	11/6/08	326,000	3/15/09	232,000
			H_2O (µg/m^3)	5/19/08	15,800,000	8/20/08	15,800,000	11/6/08	9,430,000	3/15/09	12,700,000
			PCE (µg/m^3)	5/19/08	626,000	8/20/08	730,000	11/6/08	3,180,000	3/15/09	2,360,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/6/08	0	3/15/09	-0.02
			TCA (µg/m^3)	5/19/08	3,030,000	8/20/08	3,590,000	11/6/08	3,420,000	3/15/09	3,690,000
			TCE (µg/m^3)	5/19/08	221,000	8/20/08	258,000	11/6/08	-32	3/15/09	-165,000
	75	71.5–76.5	CO_2 (µg/m^3)	5/19/08	29,300,000	8/20/08	22,500,000	11/6/08	22,300,000	3/15/09	33,800,000
			Freon-11 (µg/m^3)	5/19/08	119,000	8/20/08	95,100	11/6/08	99,600	3/15/09	84,700
			H_2O (µg/m^3)	5/19/08	13,900,000	8/20/08	15,300,000	11/6/08	9,950,000	3/15/09	11,500,000
			PCE (µg/m^3)	5/19/08	669,000	8/20/08	702,000	11/6/08	758,000	3/15/09	681,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/6/08	0	3/15/09	0
			TCA (µg/m^3)	5/19/08	1,830,000	8/20/08	2,000,000	11/6/08	2,010,000	3/15/09	2,200,000
			TCE (µg/m^3)	5/19/08	381,000	8/20/08	405,000	11/6/08	401,000	3/15/09	333,000
	116	114.5–119.5	CO_2 (µg/m^3)	5/19/08	38,900,000	8/20/08	29,200,000	11/6/08	28,600,000	3/15/09	40,300,000
			Freon-11 (µg/m^3)	5/19/08	141,000	8/20/08	113,000	11/6/08	160,000	3/15/09	140,000
			H_2O (µg/m^3)	5/19/08	14,700,000	8/20/08	15,900,000	11/6/08	10,400,000	3/15/09	12,200,000
			PCE (µg/m^3)	5/19/08	897,000	8/20/08	960,000	11/6/08	1,470,000	3/15/09	1,330,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/6/08	0	3/15/09	-0.04
			TCA (µg/m^3)	5/19/08	2,810,000	8/20/08	3,030,000	11/6/08	2,890,000	3/15/09	2,780,000
			TCE (µg/m^3)	5/19/08	405,000	8/20/08	446,000	11/6/08	372,000	3/15/09	156,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642	175	172.5–177.5	CO_2 (µg/m^3)	5/19/08	19,300,000	8/20/08	14,900,000	11/6/08	14,800,000	3/15/09	22,400,000
			Freon-11 (µg/m^3)	5/19/08	108,000	8/20/08	87,000	11/6/08	86,500	3/15/09	72,900
			H_2O (µg/m^3)	5/19/08	13,800,000	8/20/08	15,300,000	11/6/08	9,580,000	3/15/09	11,500,000
			PCE (µg/m^3)	5/19/08	489,000	8/20/08	511,000	11/6/08	537,000	3/15/09	468,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/6/08	0	3/15/09	0.16
			TCA (µg/m^3)	5/19/08	1,250,000	8/20/08	1,450,000	11/6/08	1,420,000	3/15/09	1,520,000
			TCE (µg/m^3)	5/19/08	272,000	8/20/08	299,000	11/6/08	291,000	3/15/09	254,000
	235	232.5–237.5	CO_2 (µg/m^3)	5/19/08	14,700,000	8/20/08	11,400,000	11/6/08	11,200,000	3/15/09	17,300,000
			Freon-11 (µg/m^3)	5/19/08	89,900	8/20/08	75,000	11/6/08	76,200	3/15/09	62,900
			H_2O (µg/m^3)	5/19/08	13,700,000	8/20/08	15,100,000	11/6/08	8,550,000	3/15/09	11,300,000
			PCE (µg/m^3)	5/19/08	403,000	8/20/08	428,000	11/6/08	437,000	3/15/09	389,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/6/08	0	3/15/09	0.19
			TCA (µg/m^3)	5/19/08	760,000	8/20/08	877,000	11/6/08	851,000	3/15/09	920,000
			TCE (µg/m^3)	5/19/08	185,000	8/20/08	207,000	11/6/08	192,000	3/15/09	174,000
	275	272.5–277.5	CO_2 (µg/m^3)	5/19/08	11,300,000	8/20/08	9,000,000	11/6/08	9,000,000	3/15/09	13,900,000
			Freon-11 (µg/m^3)	5/19/08	65,800	8/20/08	56,200	11/6/08	56,500	3/15/09	48,000
			H_2O (µg/m^3)	5/19/08	13,600,000	8/20/08	15,200,000	11/6/08	8,550,000	3/15/09	11,800,000
			PCE (µg/m^3)	5/19/08	296,000	8/20/08	319,000	11/6/08	339,000	3/15/09	298,000
			Pressure Differential (kPa)	NS	NS	NS	NS	11/6/08	0	3/15/09	0.18
			TCA (µg/m^3)	5/19/08	434,000	8/20/08	497,000	11/6/08	490,000	3/15/09	526,000
			TCE (µg/m^3)	5/19/08	117,000	8/20/08	136,000	11/6/08	133,000	3/15/09	114,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27642	338	335.5–340.5	CO_2 (µg/m^3)	5/19/08	5,530,000	8/20/08	4,500,000	11/6/08	4,660,000	3/15/09	7,080,000
			Freon-11 (µg/m^3)	5/19/08	16,500	8/20/08	14,500	11/6/08	16,900	3/15/09	12,900
			H_2O (µg/m^3)	5/19/08	13,500,000	8/20/08	15,000,000	11/6/08	8,620,000	3/15/09	12,400,000
			PCE (µg/m^3)	5/19/08	78,600	8/20/08	86,200	11/6/08	96,600	3/15/09	86,400
			Pressure Differential (kPa)	NS	NS	NS	NS	11/6/08	0	3/15/09	0.11
			TCA (µg/m^3)	5/19/08	76,000	8/20/08	84,000	11/6/08	78,700	3/15/09	77,900
			TCE (µg/m^3)	5/19/08	26,500	8/20/08	31,900	11/6/08	33,400	3/15/09	28,300
54-27643	Ambient	Ambient	CO_2 (µg/m^3)	6/4/08	844,000	NS	NS	11/21/08	886,000	3/17/09	893,000
			Freon-11 (µg/m^3)	6/4/08	-452	NS	NS	11/21/08	-636	3/17/09	-32
			H_2O (µg/m^3)	6/4/08	3,480,000	NS	NS	11/21/08	3,210,000	3/17/09	4,430,000
			PCE (µg/m^3)	6/4/08	-278	NS	NS	11/21/08	960	3/17/09	4,670
			Pressure Differential (kPa)	6/4/08	0	NS	NS	11/21/08	0	3/17/09	0
			TCA (µg/m^3)	6/4/08	2760	NS	NS	11/21/08	-2290	3/17/09	-2700
			TCE (µg/m^3)	6/4/08	970	NS	NS	11/21/08	3410	3/17/09	3480
	30	27.5–32.5	CO_2 (µg/m^3)	6/4/08	16,900,000	8/12/08	12,800,000	11/21/08	12,500,000	3/17/09	16,700,000
			Freon-11 (µg/m^3)	6/4/08	24,200	8/12/08	18,000	11/21/08	18,300	3/17/09	17,400
			H_2O (µg/m^3)	6/4/08	13,300,000	8/12/08	14,800,000	11/21/08	7,960,000	3/17/09	12,200,000
			PCE (µg/m^3)	6/4/08	140,000	8/12/08	142,000	11/21/08	154,000	3/17/09	154,000
			Pressure Differential (kPa)	6/4/08	0	NS	NS	11/21/08	0	3/17/09	0.04
			TCA (µg/m^3)	6/4/08	464,000	8/12/08	471,000	11/21/08	454,000	3/17/09	478,000
			TCE (µg/m^3)	6/4/08	73,900	8/12/08	71,800	11/21/08	71,800	3/17/09	49,500

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643	74	71.5–76.5	CO_2 (µg/m^3)	6/4/08	17,300,000	8/12/08	12,700,000	11/21/08	12,500,000	3/17/09	19,100,000
			Freon-11 (µg/m^3)	6/4/08	35,500	8/12/08	27,700	11/21/08	27,000	3/17/09	21,500
			H_2O (µg/m^3)	6/4/08	13,400,000	8/12/08	13,900,000	11/21/08	8,700,000	3/17/09	10,600,000
			PCE (µg/m^3)	6/4/08	202,000	8/12/08	206,000	11/21/08	211,000	3/17/09	179,000
			Pressure Differential (kPa)	6/4/08	0	NS	NS	11/21/08	0	3/17/09	0
			TCA (µg/m^3)	6/4/08	601,000	8/12/08	633,000	11/21/08	601,000	3/17/09	668,000
			TCE (µg/m^3)	6/4/08	121,000	8/12/08	123,000	11/21/08	112,000	3/17/09	100,000
	117	114.5–119.5	CO_2 (µg/m^3)	6/4/08	16,400,000	8/12/08	11,000,000	11/21/08	11,500,000	3/17/09	17,700,000
			Freon-11 (µg/m^3)	6/4/08	48,800	8/12/08	33,300	11/21/08	35,700	3/17/09	28,300
			H_2O (µg/m^3)	6/4/08	13,100,000	8/12/08	13,400,000	11/21/08	8,250,000	3/17/09	10,700,000
			PCE (µg/m^3)	6/4/08	229,000	8/12/08	206,000	11/21/08	229,000	3/17/09	190,000
			Pressure Differential (kPa)	6/4/08	0	NS	NS	11/21/08	0	3/17/09	-0.12
			TCA (µg/m^3)	6/4/08	665,000	8/12/08	638,000	11/21/08	659,000	3/17/09	716,000
			TCE (µg/m^3)	6/4/08	127,000	8/12/08	123,000	11/21/08	124,000	3/17/09	112,000
	167	164.5–169.5	CO_2 (µg/m^3)	6/4/08	14,000,000	8/12/08	8,080,000	11/21/08	9,410,000	3/17/09	14,800,000
			Freon-11 (µg/m^3)	6/4/08	61,300	8/12/08	36,500	11/21/08	42,700	3/17/09	36,400
			H_2O (µg/m^3)	6/4/08	13,600,000	8/12/08	12,500,000	11/21/08	8,700,000	3/17/09	10,300,000
			PCE (µg/m^3)	6/4/08	272,000	8/12/08	209,000	11/21/08	252,000	3/17/09	223,000
			Pressure Differential (kPa)	6/4/08	0	NS	NS	11/21/08	0	3/17/09	-0.31
			TCA (µg/m^3)	6/4/08	643,000	8/12/08	537,000	11/21/08	617,000	3/17/09	698,000
			TCE (µg/m^3)	6/4/08	133,000	8/12/08	106,000	11/21/08	117,000	3/17/09	114,000

Table 4.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08		4th Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
				Date	Result	Date	Result	Date	Result	Date	Result
54-27643	235	232.5–237.5	CO_2 (µg/m^3)	6/4/08	11,200,000	8/12/08	7,150,000	11/21/08	7,420,000	3/17/09	11,600,000
			Freon-11 (µg/m^3)	6/4/08	57,800	8/12/08	38,400	11/21/08	40,300	3/17/09	34,200
			H_2O (µg/m^3)	6/4/08	13,200,000	8/12/08	12,700,000	11/21/08	8,770,000	3/17/09	9,900,000
			PCE (µg/m^3)	6/4/08	258,000	8/12/08	218,000	11/21/08	236,000	3/17/09	211,000
			Pressure Differential (kPa)	6/4/08	1	NS	NS	11/21/08	0	3/17/09	-0.41
			TCA (µg/m^3)	6/4/08	447,000	8/12/08	417,000	11/21/08	425,000	3/17/09	477,000
			TCE (µg/m^3)	6/4/08	101,000	8/12/08	94,300	11/21/08	92,200	3/17/09	87,200
	275	272.5–277.5	CO_2 (µg/m^3)	6/4/08	9,220,000	8/12/08	5,690,000	11/21/08	5,940,000	3/17/09	9,710,000
			Freon-11 (µg/m^3)	6/4/08	45,100	8/12/08	28,700	11/21/08	30,500	3/17/09	27,000
			H_2O (µg/m^3)	6/4/08	13,300,000	8/12/08	12,500,000	11/21/08	8,400,000	3/17/09	9,980,000
			PCE (µg/m^3)	6/4/08	202,000	8/12/08	162,000	11/21/08	178,000	3/17/09	169,000
			Pressure Differential (kPa)	6/4/08	1	NS	NS	11/21/08	0	3/17/09	-0.38
			TCA (µg/m^3)	6/4/08	271,000	8/12/08	241,000	11/21/08	238,000	3/17/09	291,000
			TCE (µg/m^3)	6/4/08	67,500	8/12/08	61,100	11/21/08	61,100	3/17/09	57,800
	354	351.5–356.5	CO_2 (µg/m^3)	6/4/08	5,420,000	8/12/08	3,130,000	11/21/08	3,470,000	3/17/09	5,870,000
			Freon-11 (µg/m^3)	6/4/08	15,100	8/12/08	8070	11/21/08	8700	3/17/09	8030
			H_2O (µg/m^3)	6/4/08	13,300,000	8/12/08	11,900,000	11/21/08	8,110,000	3/17/09	10,100,000
			PCE (µg/m^3)	6/4/08	71,600	8/12/08	46,000	11/21/08	53,200	3/17/09	54,300
			Pressure Differential (kPa)	6/4/08	0	NS	NS	11/21/08	0	3/17/09	-0.12
			TCA (µg/m^3)	6/4/08	54,800	8/12/08	37,300	11/21/08	32,100	3/17/09	44,600
			TCE (µg/m^3)	6/4/08	17,600	8/12/08	12,900	11/21/08	14,200	3/17/09	12,300

[a] NS = Not sampled.

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

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

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	5/27/08	ND[a]	ND	8/27/08	270	1700	11/14/08	ND	ND	3/10/09	ND	ND
			Chloroform	5/27/08	400	2000	8/27/08	ND	ND	11/14/08	920	4500	3/10/09	730	3600
			Cyclohexane	5/27/08	1800	6200	8/27/08	ND	ND	11/14/08	ND	ND	3/10/09	ND	ND
			Dichlorodifluoromethane	5/27/08	1200	5900	8/27/08	1600	8000	11/14/08	1400	7000	3/10/09	990	4900
			Dichloroethane[1,1-]	5/27/08	4000	16,000	8/27/08	9500	38,000	11/14/08	8200	33,000	3/10/09	7100	29,000
			Dichloroethane[1,2-]	5/27/08	9800	40,000	8/27/08	20,000	80,000	11/14/08	16,000	67,000	3/10/09	13,000	54,000
			Dichloroethene[1,1-]	5/27/08	1200	4800	8/27/08	2500	10,000	11/14/08	21,000	83,000	3/10/09	2500	10,000
			Dichloropropane[1,2-]	5/27/08	ND	ND	8/27/08	640	3,000	11/14/08	480	2,200	3/10/09	380	1800
			Hexane	5/27/08	ND	ND	8/27/08	210	740	11/14/08	450	1600	3/10/09	ND	ND
			Methylene Chloride	5/27/08	5800	20,000	8/27/08	10,000	36,000	11/14/08	7400	26,000	3/10/09	4,600	16,000
			Propanol[2-]	5/27/08	1400	3500	8/27/08	ND	ND	11/14/08	ND	ND	3/10/09	ND	ND
			Tetrachloroethene	5/27/08	9600	65,000	8/27/08	20,000	130,000	11/14/08	22,000	150,000	3/10/09	18,000	120,000
			Toluene	5/27/08	630	2400	8/27/08	280	1000	11/14/08	ND	ND	3/10/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/27/08	2300	17,000	8/27/08	4700	36,000	11/14/08	3900	30,000	3/10/09	3100	24,000
			Trichloroethane[1,1,1-]	5/27/08	100,000	570,000	8/27/08	120,000	680,000	11/14/08	180,000	980,000	3/10/09	190,000	1,000,000
			Trichloroethene	5/27/08	28,000	150,000	8/27/08	51,000	280,000	11/14/08	64,000	340,000	3/10/09	59,000	320,000
			Trichlorofluoromethane	5/27/08	930	5200	8/27/08	1500	8500	11/14/08	1400	7900	3/10/09	920	5100
	80	77.5–82.5	Carbon Tetrachloride	5/27/08	ND	ND	8/27/08	220	1400	11/14/08	ND	ND	3/10/09	ND	ND
			Chloroform	5/27/08	520	2500	8/27/08	ND	ND	11/14/08	980	4800	3/10/09	1100	5400
			Cyclohexane	5/27/08	2100	7400	8/27/08	ND	ND	11/14/08	ND	ND	3/10/09	ND	ND
			Dichlorodifluoromethane	5/27/08	940	4600	8/27/08	1400	7000	11/14/08	1500	7500	3/10/09	1600	8000
			Dichloroethane[1,1-]	5/27/08	3900	16,000	8/27/08	7800	31,000	11/14/08	7900	32,000	3/10/09	8100	33,000
			Dichloroethane[1,2-]	5/27/08	9400	38,000	8/27/08	15,000	61,000	11/14/08	16,000	64,000	3/10/09	16,000	65,000
			Dichloroethene[1,1-]	5/27/08	1600	6400	8/27/08	2800	11,000	11/14/08	22,000	89,000	3/10/09	4100	16,000
			Dichloropropane[1,2-]	5/27/08	ND	ND	8/27/08	840	3,900	11/14/08	670	3100	3/10/09	720	3400
			Hexane	5/27/08	ND	ND	8/27/08	200	700	11/14/08	ND	ND	3/10/09	ND	ND
			Methylene Chloride	5/27/08	7300	25,000	8/27/08	12,000	40,000	11/14/08	12,000	40,000	3/10/09	11,000	38,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	80	77.5–82.5	Tetrachloroethene	5/27/08	9700	66,000	8/27/08	18,000	130,000	11/14/08	21,000	140,000	3/10/09	22,000	150,000
			Toluene	5/27/08	500	1900	8/27/08	200	760	11/14/08	ND	ND	3/10/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/27/08	1900	14,000	8/27/08	3600	28,000	11/14/08	3300	26,000	3/10/09	3600	28,000
			Trichloroethane[1,1,1-]	5/27/08	120,000	650,000	8/27/08	120,000	680,000	11/14/08	200,000	1,100,000	3/10/09	220,000	1,200,000
			Trichloroethene	5/27/08	21,000	110,000	8/27/08	38,000	200,000	11/14/08	43,000	230,000	3/10/09	50,000	270,000
			Trichlorofluoromethane	5/27/08	830	4700	8/27/08	1200	6500	11/14/08	1400	7800	3/10/09	1200	6600
	120	117.5–122.5	Carbon Tetrachloride	5/27/08	ND	ND	8/27/08	170	1100	11/14/08	ND	ND	3/10/09	ND	ND
			Chloroform	5/27/08	490	2400	8/27/08	ND	ND	11/14/08	960	4700	3/10/09	1000	5000
			Cyclohexane	5/27/08	2100	7200	8/27/08	ND	ND	11/14/08	ND	ND	3/10/09	ND	ND
			Dichlorodifluoromethane	5/27/08	560	2800	8/27/08	870	4300	11/14/08	1100	5200	3/10/09	1300	6600
			Dichloroethane[1,1-]	5/27/08	3200	13,000	8/27/08	6300	25,000	11/14/08	6100	24,000	3/10/09	6300	25,000
			Dichloroethane[1,2-]	5/27/08	6800	28,000	8/27/08	9900	40,000	11/14/08	10,000	41,000	3/10/09	10,000	42,000
			Dichloroethene[1,1-]	5/27/08	2600	10,000	8/27/08	4300	17,000	11/14/08	23,000	90,000	3/10/09	5200	21,000
			Dichloropropane[1,2-]	5/27/08	400	1800	8/27/08	1000	4600	11/14/08	750	3500	3/10/09	840	3900
			Methylene Chloride	5/27/08	5600	20,000	8/27/08	9200	32,000	11/14/08	9300	32,000	3/10/09	9800	34,000
			Tetrachloroethene	5/27/08	3800	26,000	8/27/08	8800	60,000	11/14/08	8200	56,000	3/10/09	9200	63,000
			Toluene	5/27/08	770	2900	8/27/08	ND	ND	11/14/08	ND	ND	3/10/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/27/08	1700	13,000	8/27/08	2900	22,000	11/14/08	2600	20,000	3/10/09	2800	21,000
			Trichloroethane[1,1,1-]	5/27/08	120,000	680,000	8/27/08	130,000	700,000	11/14/08	190,000	1,000,000	3/10/09	200,000	1,100,000
			Trichloroethene	5/27/08	19,000	100,000	8/27/08	34,000	180,000	11/14/08	34,000	180,000	3/10/09	37,000	200,000
			Trichlorofluoromethane	5/27/08	570	3200	8/27/08	760	4,300	11/14/08	900	5100	3/10/09	850	4800
	140	137.5–142.5	Carbon Tetrachloride	5/27/08	ND	ND	8/27/08	190	1200	11/14/08	ND	ND	3/10/09	ND	ND
			Chloroform	5/27/08	670	3300	8/27/08	ND	ND	11/14/08	980	4800	3/10/09	1000	5100
			Cyclohexane	5/27/08	2500	8600	8/27/08	ND	ND	11/14/08	ND	ND	3/10/09	ND	ND
			Dichlorodifluoromethane	5/27/08	670	3300	8/27/08	980	4800	11/14/08	1200	5800	3/10/09	1400	7000
			Dichloroethane[1,1-]	5/27/08	3900	16,000	8/27/08	6900	28,000	11/14/08	6600	26,000	3/10/09	6800	28,000
			Dichloroethane[1,2-]	5/27/08	9000	36,000	8/27/08	12,000	48,000	11/14/08	12,000	47,000	3/10/09	12,000	48,000
			Dichloroethene[1,1-]	5/27/08	2800	11,000	8/27/08	4200	17,000	11/14/08	20,000	80,000	3/10/09	5200	21,000
			Dichloropropane[1,2-]	5/27/08	550	2500	8/27/08	1100	5100	11/14/08	690	3200	3/10/09	880	4000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	140	137.5–142.5	Methylene Chloride	5/27/08	7600	26,000	8/27/08	11,000	37,000	11/14/08	11,000	38,000	3/10/09	12,000	40,000
			Propanol[2-]	5/27/08	5200	13,000	8/27/08	ND	ND	11/14/08	ND	ND	3/10/09	ND	ND
			Tetrachloroethene	5/27/08	5200	35,000	8/27/08	11,000	74,000	11/14/08	10,000	68,000	3/10/09	11,000	75,000
			Toluene	5/27/08	440 (J)	1700 (J)	8/27/08	ND	ND	11/14/08	ND	ND	3/10/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/27/08	2100	16,000	8/27/08	3100	24,000	11/14/08	2600	20,000	3/10/09	3,000	23,000
			Trichloroethane[1,1,1-]	5/27/08	150,000	800,000	8/27/08	130,000	710,000	11/14/08	210,000	1,100,000	3/10/09	210,000	1,100,000
			Trichloroethene	5/27/08	23,000	120,000	8/27/08	36,000	190,000	11/14/08	35,000	190,000	3/10/09	40,000	210,000
			Trichlorofluoromethane	5/27/08	740	4200	8/27/08	820	4600	11/14/08	940	5300	3/10/09	930	5200
54-02002	40	37.5–42.5	Benzene	NS[b]	NS	NS	8/7/08	620	2000	11/17/08	860	2800	3/19/09	830	2700
			Carbon Tetrachloride	NS	NS	NS	8/7/08	460	2900	11/17/08	ND	ND	3/19/09	1000	6300
			Chlorobenzene	NS	NS	NS	8/7/08	260	1200	11/17/08	360	1700	3/19/09	360	1700
			Chloroform	NS	NS	NS	8/7/08	3400	17,000	11/17/08	5800	28,000	3/19/09	5400	26,000
			Dichlorodifluoromethane	NS	NS	NS	8/7/08	ND	ND	11/17/08	420	2100	3/19/09	460	2300
			Dichloroethane[1,1-]	NS	NS	NS	8/7/08	2000	8100	11/17/08	3600	15,000	3/19/09	3500	14,000
			Dichloroethane[1,2-]	NS	NS	NS	8/7/08	3000	12,000	11/17/08	5200	21,000	3/19/09	4500	18,000
			Dichloroethene[1,1-]	NS	NS	NS	8/7/08	5300	21,000	11/17/08	20,000	81,000	3/19/09	10,000	39,000
			Dichloropropane[1,2-]	NS	NS	NS	8/7/08	5900	27,000	11/17/08	9700	45,000	3/19/09	8500	40,000
			Ethanol	NS	NS	NS	8/7/08	ND	ND	11/17/08	3400	6400	3/19/09	2700(J-)	5000(J-)
			Hexane	NS	NS	NS	8/7/08	200	720	11/17/08	ND	ND	3/19/09	ND	ND
			Methylene Chloride	NS	NS	NS	8/7/08	10,000	36,000	11/17/08	19,000	65,000	3/19/09	18,000	64,000
			Tetrachloroethene	NS	NS	NS	8/7/08	3500	24,000	11/17/08	5600	38,000	3/19/09	4600	32,000
			Toluene	NS	NS	NS	8/7/08	1100	4200	11/17/08	1600	6200	3/19/09	1300	5100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	8/7/08	16,000	120,000	11/17/08	24,000	190,000	3/19/09	27,000	210,000
			Trichloroethane[1,1,1-]	NS	NS	NS	8/7/08	90,000	490,000	11/17/08	200,000	1,100,000	3/19/09	170,000	940,000
			Trichloroethene	NS	NS	NS	8/7/08	28,000	150,000	11/17/08	49,000	260,000	3/19/09	45,000	240,000
			Trichlorofluoromethane	NS	NS	NS	8/7/08	2600	14,000	11/17/08	4300	24,000	3/19/09	4000	23,000
			Xylene[1,2-]	NS	NS	NS	8/7/08	530	2300	11/17/08	760	3300	3/19/09	620	2700
			Xylene[1,3-]+Xylene[1,4-]	NS	NS	NS	8/7/08	240	1100	11/17/08	580	2500	3/19/09	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	60	57.5–62.5	Carbon Tetrachloride	6/3/08	630	4000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Chloroform	6/3/08	4600	22,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Cyclohexane	6/3/08	3600	12,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichlorodifluoromethane	6/3/08	260	1300	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	6/3/08	5000	20,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	6/3/08	1800	7400	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	6/3/08	70,000	280,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	6/3/08	10,000	49,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Methylene Chloride	6/3/08	1300	4500	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	6/3/08	5400	37,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/3/08	27,000	210,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	6/3/08	170,000	920,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichloroethene	6/3/08	42,000	230,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	6/3/08	2000	11,000	NS	NS	NS	NS	NS	NS	NS	NS	NS
	100	97.5–102.5	Benzene	6/3/08	530	1700	8/7/08	610	2000	11/17/08	570	1800	3/19/09	590	1900
			Carbon Tetrachloride	6/3/08	810	5100	8/7/08	580	3600	11/17/08	ND	ND	3/19/09	990	6200
			Chlorobenzene	6/3/08	330	1500	8/7/08	370	1700	11/17/08	310	1400	3/19/09	ND	ND
			Chloroform	6/3/08	5100	25,000	8/7/08	4800	23,000	11/17/08	6000	29,000	3/19/09	5300	26,000
			Cyclohexane	6/3/08	3700	13,000	8/7/08	ND	ND	11/17/08	ND	ND	3/19/09	ND	ND
			Dichlorodifluoromethane	6/3/08	350	1700	8/7/08	ND	ND	11/17/08	320	1600	3/19/09	ND	ND
			Dichloroethane[1,1-]	6/3/08	4300	17,000	8/7/08	3900	16,000	11/17/08	5200	21,000	3/19/09	4600	19,000
			Dichloroethane[1,2-]	6/3/08	4200	17,000	8/7/08	4100	17,000	11/17/08	5000	20,000	3/19/09	4400	18,000
			Dichloroethene[1,1-]	6/3/08	57,000	230,000	8/7/08	5800	23,000	11/17/08	23,000	90,000	3/19/09	7800	31,000
			Dichloropropane[1,2-]	6/3/08	11,000	52,000	8/7/08	12,000	55,000	11/17/08	13,000	58,000	3/19/09	12,000	56,000
			Ethanol	6/3/08	3000	5700	8/7/08	ND	ND	11/17/08	4000	7500	3/19/09	3000(J-)	5800(J-)
			Methylene Chloride	6/3/08	12,000	43,000	8/7/08	11,000	38,000	11/17/08	13,000	46,000	3/19/09	13,000	46,000
			Tetrachloroethene	6/3/08	5600	38,000	8/7/08	5600	38,000	11/17/08	6000	40,000	3/19/09	5300	36,000
			Tetrahydrofuran	6/3/08	7800	23,000	8/7/08	7300	21,000	11/17/08	7600	22,000	3/19/09	6800	20,000
			Toluene	6/3/08	1800	6600	8/7/08	1900	7100	11/17/08	1700	6400	3/19/09	1700	6300

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	100	97.5–102.5	Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/3/08	29,000	220,000	8/7/08	26,000	200,000	11/17/08	32,000	250,000	3/19/09	39,000	300,000
			Trichloroethane[1,1,1-]	6/3/08	170,000	930,000	8/7/08	140,000	790,000	11/17/08	260,000	1,400,000	3/19/09	210,000	1,100,000
			Trichloroethene	6/3/08	45,000	240,000	8/7/08	40,000	220,000	11/17/08	48,000	260,000	3/19/09	47,000	250,000
			Trichlorofluoromethane	6/3/08	3200	18,000	8/7/08	2700	15,000	11/17/08	3300	19,000	3/19/09	3000	17,000
			Xylene[1,2-]	6/3/08	660	2800	8/7/08	780	3000	11/17/08	650	2800	3/19/09	610	2600
			Xylene[1,3-]+Xylene[1,4-]	6/3/08	660	2800	8/7/08	690	3000	11/17/08	550	2400	3/19/09	560	2400
	120	117.5–122.5	Benzene	6/3/08	640	2100	8/7/08	700	2200	11/17/08	710	2300	3/19/09	710	2300
			Carbon Tetrachloride	6/3/08	840	5300	8/7/08	570	3600	11/17/08	960	6000	3/19/09	1100	6700
			Chlorobenzene	6/3/08	350	1600	8/7/08	360	1700	11/17/08	330	1500	3/19/09	360	1600
			Chloroform	6/3/08	5100	25,000	8/7/08	4500	22,000	11/17/08	5700	28,000	3/19/09	5400	26,000
			Cyclohexane	6/3/08	3600	12,000	8/7/08	ND	ND	11/17/08	ND	ND	3/19/09	ND	ND
			Dichlorodifluoromethane	6/3/08	360	1800	8/7/08	ND	ND	11/17/08	360	1800	3/19/09	420	2100
			Dichloroethane[1,1-]	6/3/08	3600	15,000	8/7/08	3200	13,000	11/17/08	4000	16,000	3/19/09	4200	17,000
			Dichloroethane[1,2-]	6/3/08	4500	18,000	8/7/08	4200	17,000	11/17/08	5400	22,000	3/19/09	4800	20,000
			Dichloroethene[1,1-]	6/3/08	48,000	190,000	8/7/08	6300	25,000	11/17/08	21,000	83,000	3/19/09	9100	36,000
			Dichloropropane[1,2-]	6/3/08	10,000	46,000	8/7/08	9600	44,000	11/17/08	10,000	48,000	3/19/09	11,000	50,000
			Ethanol	6/3/08	3400	6400	8/7/08	ND	ND	11/17/08	3600	6800	3/19/09	3000(J-)	5600(J-)
			Hexane	6/3/08	220	790	8/7/08	ND	ND	11/17/08	ND	ND	3/19/09	ND	ND
			Methylene Chloride	6/3/08	15,000	52,000	8/7/08	13,000	44,000	11/17/08	16,000	57,000	3/19/09	17,000	60,000
			Tetrachloroethene	6/3/08	5400	36,000	8/7/08	5000	34,000	11/17/08	5600	38,000	3/19/09	5100	34,000
			Tetrahydrofuran	6/3/08	2400	7000	8/7/08	2000	6000	11/17/08	2000	5800	3/19/09	2300	6900
			Toluene	6/3/08	1300	5000	8/7/08	1400	5200	11/17/08	1400	5300	3/19/09	1300	5100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/3/08	27,000	210,000	8/7/08	22,000	170,000	11/17/08	25,000	190,000	3/19/09	31,000	240,000
			Trichloroethane[1,1,1-]	6/3/08	160,000	900,000	8/7/08	130,000	700,000	11/17/08	220,000	1,200,000	3/19/09	200,000	1,100,000
			Trichloroethene	6/3/08	46,000	250,000	8/7/08	38,000	200,000	11/17/08	46,000	240,000	3/19/09	47,000	250,000
			Trichlorofluoromethane	6/3/08	3600	20,000	8/7/08	2900	16,000	11/17/08	3700	21,000	3/19/09	3600	20,000
			Xylene[1,2-]	6/3/08	640	2800	8/7/08	750	3200	11/17/08	710	3100	3/19/09	660	2900
			Xylene[1,3-]+Xylene[1,4-]	6/3/08	460	2000	8/7/08	480	2100	11/17/08	490	2100	3/19/09	440	1900

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	180	177.5–182.5	Benzene	6/3/08	610	1900	8/7/08	680	2200	11/17/08	720	2300	3/19/09	720	2300
			Carbon Tetrachloride	6/3/08	800	5100	8/7/08	550	3500	11/17/08	ND	ND	3/19/09	910	5800
			Chlorobenzene	6/3/08	290	1300	8/7/08	340	1600	11/17/08	330	1500	3/19/09	360	1700
			Chloroform	6/3/08	4800	24,000	8/7/08	4400	22,000	11/17/08	5700	28,000	3/19/09	5600	27,000
			Cyclohexane	6/3/08	3400	12,000	8/7/08	ND	ND	11/17/08	ND	ND	3/19/09	ND	ND
			Dichlorodifluoromethane	6/3/08	360	1800	8/7/08	ND	ND	11/17/08	400	2000	3/19/09	430	2100
			Dichloroethane[1,1-]	6/3/08	3400	14,000	8/7/08	3100	12,000	11/17/08	4000	16,000	3/19/09	4200	17,000
			Dichloroethane[1,2-]	6/3/08	4200	17,000	8/7/08	4100	17,000	11/17/08	5100	21,000	3/19/09	5000	20,000
			Dichloroethene[1,1-]	6/3/08	47,000	190,000	8/7/08	6300	25,000	11/17/08	22,000	86,000	3/19/09	9400	37,000
			Dichloropropane[1,2-]	6/3/08	9000	42,000	8/7/08	9300	43,000	11/17/08	10,000	46,000	3/19/09	11,000	52,000
			Ethanol	6/3/08	3100	5800	8/7/08	ND	ND	11/17/08	4,100	7700	3/19/09	3400(J-)	6500(J-)
			Hexane	6/3/08	220	780	8/7/08	ND	ND	11/17/08	ND	ND	3/19/09	ND	ND
			Methylene Chloride	6/3/08	14,000	49,000	8/7/08	12,000	44,000	11/17/08	16,000	57,000	3/19/09	18,000	62,000
			Tetrachloroethene	6/3/08	4600	31,000	8/7/08	4700	32,000	11/17/08	5400	36,000	3/19/09	5100	35,000
			Tetrahydrofuran	6/3/08	1800	5400	8/7/08	1500	4500	11/17/08	1800	5200	3/19/09	2200	6600
			Toluene	6/3/08	1000	3800	8/7/08	1100	4300	11/17/08	1200	4600	3/19/09	1200	4500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/3/08	26,000	200,000	8/7/08	22,000	170,000	11/17/08	27,000	210,000	3/19/09	32,000	240,000
			Trichloroethane[1,1,1-]	6/3/08	150,000	820,000	8/7/08	120,000	680,000	11/17/08	220,000	1,200,000	3/19/09	200,000	1,100,000
			Trichloroethene	6/3/08	42,000	220,000	8/7/08	37,000	200,000	11/17/08	46,000	250,000	3/19/09	48,000	260,000
			Trichlorofluoromethane	6/3/08	3500	20,000	8/7/08	2900	16,000	11/17/08	4000	23,000	3/19/09	3700	21,000
			Xylene[1,2-]	6/3/08	490	2100	8/7/08	680	3000	11/17/08	660	2900	3/19/09	650	2800
			Xylene[1,3-]+Xylene[1,4-]	6/3/08	260	1100	8/7/08	380	1600	11/17/08	310	1400	3/19/09	330	1400
54-02016	18	15.5–20.5	Benzene	NS	NS	NS	8/20/08	1000	3300	NS	NS	NS	NS	NS	NS
			Carbon Tetrachloride	NS	NS	NS	8/20/08	1000	6300	NS	NS	NS	NS	NS	NS
			Chloroform	NS	NS	NS	8/20/08	8100	40,000	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	NS	NS	NS	8/20/08	7700	31,000	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	NS	NS	NS	8/20/08	11,000	44,000	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	NS	NS	NS	8/20/08	14,000	56,000	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	NS	NS	NS	8/20/08	36,000	160,000	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 FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02016	18	15.5–20.5	Ethanol	NS	NS	NS	8/20/08	5500	10,000	NS	NS	NS	NS	NS	NS
			Methylene Chloride	NS	NS	NS	8/20/08	44,000	150,000	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	NS	NS	NS	8/20/08	9800	66,000	NS	NS	NS	NS	NS	NS
			Toluene	NS	NS	NS	8/20/08	750	2800	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	8/20/08	50,000	380,000	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	NS	NS	NS	8/20/08	270,000	1,500,000	NS	NS	NS	NS	NS	NS
			Trichloroethene	NS	NS	NS	8/20/08	82,000	440,000	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	NS	NS	NS	8/20/08	4400	25,000	NS	NS	NS	NS	NS	NS
	31	28.5–33.5	Carbon Tetrachloride	5/16/08	ND	ND	8/20/08	450	2800	11/4/08	ND	ND	3/12/09	ND	ND
			Chloroform	5/16/08	2400	12,000	8/20/08	3200	16,000	11/4/08	4500	22,000	3/12/09	3600	18,000
			Cyclohexane	5/16/08	4000	14,000	8/20/08	ND	ND	11/4/08	ND	ND	3/12/09	ND	ND
			Dichlorodifluoromethane	5/16/08	ND	ND	8/20/08	ND	ND	11/4/08	ND	ND	3/12/09	920	4500
			Dichloroethane[1,1-]	5/16/08	4900	20,000	8/20/08	5800	23,000	11/4/08	8800	35,000	3/12/09	6800	28,000
			Dichloroethane[1,2-]	5/16/08	18,000	71,000	8/20/08	28,000	110,000	11/4/08	50,000	200,000	3/12/09	54,000	220,000
			Dichloroethene[1,1-]	5/16/08	7100	28,000	8/20/08	6500	26,000	11/4/08	54,000	210,000	3/12/09	8500	34,000
			Dichloropropane[1,2-]	5/16/08	5400	25,000	8/20/08	10,000	46,000	11/4/08	12,000	55,000	3/12/09	9100	42,000
			Methylene Chloride	5/16/08	680	2400	8/20/08	ND	ND	11/4/08	ND	ND	3/12/09	ND	ND
			Propanol[2-]	5/16/08	4700	12,000	8/20/08	ND	ND	11/4/08	ND	ND	3/12/09	ND	ND
			Tetrachloroethene	5/16/08	1800	12,000	8/20/08	5000	34,000	11/4/08	5200	36,000	3/12/09	4000	27,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/16/08	41,000	310,000	8/20/08	36,000	280,000	11/4/08	63,000	480,000	3/12/09	88,000	670,000
			Trichloroethane[1,1,1-]	5/16/08	220,000	1,200,000	8/20/08	170,000	920,000	11/4/08	360,000	2,000,000	3/12/09	290,000	1,600,000
			Trichloroethene	5/16/08	30,000	160,000	8/20/08	46,000	250,000	11/4/08	68,000	360,000	3/12/09	56,000	300,000
			Trichlorofluoromethane	5/16/08	1800	9900	8/20/08	1400	8100	11/4/08	2300	13,000	3/12/09	1600	9300
	82	79.5–84.5	Chloroform	5/16/08	1200	5800	NS	NS	NS	11/4/08	2300	11,000	3/12/09	1500	7400
			Cyclohexane	5/16/08	2700	9400	NS	NS	NS	11/4/08	ND	ND	3/12/09	ND	ND
			Dichlorodifluoromethane	5/16/08	ND	ND	NS	NS	NS	11/4/08	470	2300	3/12/09	730	3600
			Dichloroethane[1,1-]	5/16/08	2600	11,000	NS	NS	NS	11/4/08	4600	19,000	3/12/09	3500	14,000
			Dichloroethane[1,2-]	5/16/08	1100	4600	NS	NS	NS	11/4/08	4400	18,000	3/12/09	4400	18,000
			Dichloroethene[1,1-]	5/16/08	5400	21,000	NS	NS	NS	11/4/08	36,000	140,000	3/12/09	6900	28,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02016	82	79.5–84.5	Dichloropropane[1,2-]	5/16/08	2000	9200	NS	NS	NS	11/4/08	4200	19,000	3/12/09	2700	12,000
			Propanol[2-]	5/16/08	9200	23,000	NS	NS	NS	11/4/08	ND	ND	3/12/09	ND	ND
			Tetrachloroethene	5/16/08	7500	51,000	NS	NS	NS	11/4/08	3,300	23,000	3/12/09	2600	18,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/16/08	31,000	240,000	NS	NS	NS	11/4/08	60,000	460,000	3/12/09	75,000	570,000
			Trichloroethane[1,1,1-]	5/16/08	160,000	870,000	NS	NS	NS	11/4/08	260,000	1,400,000	3/12/09	200,000	1,100,000
			Trichloroethene	5/16/08	20,000	110,000	NS	NS	NS	11/4/08	40,000	220,000	3/12/09	32,000	170,000
			Trichlorofluoromethane	5/16/08	1300	7500	NS	NS	NS	11/4/08	1500	8600	3/12/09	1400	7800
54-02021	20	10–30	Carbon Tetrachloride	5/28/08	ND	ND	8/25/08	74 (J)	460 (J)	11/12/08	ND	ND	3/11/09	ND	ND
			Chloroform	5/28/08	56	270	8/25/08	160 (J)	800 (J)	11/12/08	87	420	3/11/09	100	510
			Cyclohexane	5/28/08	260	900	8/25/08	ND	ND	11/12/08	ND	ND	3/11/09	ND	ND
			Dichlorodifluoromethane	5/28/08	62	300	8/25/08	240 (J)	1200 (J)	11/12/08	110	560	3/11/09	160	780
			Dichloroethane[1,1-]	5/28/08	350	1400	8/25/08	810 (J)	3300 (J)	11/12/08	590	2400	3/11/09	660	2700
			Dichloroethane[1,2-]	5/28/08	300	1200	8/25/08	340 (J)	1400 (J)	11/12/08	400	1600	3/11/09	400	1600
			Dichloroethene[1,1-]	5/28/08	450	1800	8/25/08	1900 (J)	7400 (J)	11/12/08	3200	13,000	3/11/09	780	3100
			Dichloropropane[1,2-]	5/28/08	ND	ND	8/25/08	ND	ND	11/12/08	80	370	3/11/09	78	360
			Methylene Chloride	5/28/08	ND	ND	8/25/08	960 (J)	3400 (J)	11/12/08	ND	ND	3/11/09	ND	ND
			Tetrachloroethene	5/28/08	360	2400	8/25/08	800 (J)	5400 (J)	11/12/08	490	3300	3/11/09	530	3600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/28/08	230	1800	8/25/08	1200 (J)	8800 (J)	11/12/08	260	2000	3/11/09	320	2400
			Trichloroethane[1,1,1-]	5/28/08	16,000	85,000	8/25/08	33,000 (J)	180,000 (J)	11/12/08	19,000	100,000	3/11/09	22,000	120,000
			Trichloroethene	5/28/08	2500	14,000	8/25/08	8300 (J)	44,000 (J)	11/12/08	4000	22,000	3/11/09	4100	22,000
			Trichlorofluoromethane	5/28/08	77	430	8/25/08	270 (J)	1500 (J)	11/12/08	83	460	3/11/09	100	590
	100	90–110	Chloroform	5/28/08	ND	ND	8/25/08	230 (J)	1100 (J)	11/12/08	250	1200	3/11/09	250	1200
			Cyclohexane	5/28/08	310	1100	8/25/08	ND	ND	11/12/08	ND	ND	3/11/09	ND	ND
			Dichlorodifluoromethane	5/28/08	ND	ND	8/25/08	190 (J)	960 (J)	11/12/08	280	1400	3/11/09	340	1700
			Dichloroethane[1,1-]	5/28/08	410	1700	8/25/08	1400 (J)	5600 (J)	11/12/08	1400	5900	3/11/09	1500	6300
			Dichloroethane[1,2-]	5/28/08	660	2700	8/25/08	1700 (J)	6800 (J)	11/12/08	1900	7800	3/11/09	1800	7200
			Dichloroethene[1,1-]	5/28/08	530	2,100	8/25/08	1500 (J)	5900 (J)	11/12/08	9000	36,000	3/11/09	1900	7400

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	100	90–110	Dichloropropane[1,2-]	5/28/08	ND	ND	8/25/08	220 (J)	1000 (J)	11/12/08	200	920	3/11/09	220	1000
			Methylene Chloride	5/28/08	280	980	8/25/08	750 (J)	2600 (J)	11/12/08	870	3000	3/11/09	910	3200
			Tetrachloroethene	5/28/08	380	2600	8/25/08	1200 (J)	8100 (J)	11/12/08	1100	7600	3/11/09	1100	7300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/28/08	310	2300	8/25/08	870 (J)	6700 (J)	11/12/08	680	5200	3/11/09	800	6200
			Trichloroethane[1,1,1-]	5/28/08	20,000	110,000	8/25/08	46,000 (J)	250,000 (J)	11/12/08	54,000	290,000	3/11/09	58,000	320,000
			Trichloroethene	5/28/08	3300	18,000	8/25/08	10,000 (J)	55,000 (J)	11/12/08	10,000	55,000	3/11/09	11,000	57,000
			Trichlorofluoromethane	5/28/08	ND	ND	8/25/08	ND	ND	11/12/08	240	1300	3/11/09	250	1400
	120	110–130	Chloroform	5/28/08	43	210	8/25/08	200	970	11/12/08	140	700	NS	NS	NS
			Cyclohexane	5/28/08	190	660	8/25/08	ND	ND	11/12/08	ND	ND	NS	NS	NS
			Dichlorodifluoromethane	5/28/08	51	250	8/25/08	170	820	11/12/08	160	800	NS	NS	NS
			Dichloroethane[1,1-]	5/28/08	230	920	8/25/08	1200	4700	11/12/08	780	3200	NS	NS	NS
			Dichloroethane[1,2-]	5/28/08	310	1300	8/25/08	1200	5000	11/12/08	800	3200	NS	NS	NS
			Dichloroethene[1,1-]	5/28/08	330	1300	8/25/08	1300	5100	11/12/08	4600	18,000	NS	NS	NS
			Dichloropropane[1,2-]	5/28/08	ND	ND	8/25/08	170	780	11/12/08	76	350	NS	NS	NS
			Methylene Chloride	5/28/08	180	640	8/25/08	760	2600	11/12/08	600	2100	NS	NS	NS
			Tetrachloroethene	5/28/08	190	1300	8/25/08	1000	7000	11/12/08	560	3800	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/28/08	200	1500	8/25/08	780	5900	11/12/08	490	3800	NS	NS	NS
			Trichloroethane[1,1,1-]	5/28/08	12,000	64,000	8/25/08	40,000	220,000	11/12/08	30,000	160,000	NS	NS	NS
			Trichloroethene	5/28/08	1800	9900	8/25/08	9300	50,000	11/12/08	5500	30,000	NS	NS	NS
			Trichlorofluoromethane	5/28/08	54	300	8/25/08	ND	ND	11/12/08	150	850	NS	NS	NS
	140	130–150	Carbon Tetrachloride	5/28/08	ND	ND	8/25/08	40 (J)	250 (J)	11/12/08	53	330	3/11/09	ND	ND
			Chloroform	5/28/08	88	430	8/25/08	130 (J)	650 (J)	11/12/08	120	570	3/11/09	290	1400
			Cyclohexane	5/28/08	500	1700	8/25/08	ND	ND	11/12/08	ND	ND	3/11/09	ND	ND
			Dichlorodifluoromethane	5/28/08	94	460	8/25/08	110 (J)	560 (J)	11/12/08	120	570	3/11/09	420	2100
			Dichloroethane[1,1-]	5/28/08	460	1900	8/25/08	760 (J)	3100 (J)	11/12/08	690	2800	3/11/09	1600	6700
			Dichloroethane[1,2-]	5/28/08	440	1800	8/25/08	680 (J)	2700 (J)	11/12/08	630	2500	3/11/09	1500	6100
			Dichloroethene[1,1-]	5/28/08	3000	12,000	8/25/08	930 (J)	3700 (J)	11/12/08	3700	15,000	3/11/09	2400	9500

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	140	130–150	Dichloropropane[1,2-]	5/28/08	ND	ND	8/25/08	100 (J)	470 (J)	11/12/08	83	380	3/11/09	180	820
			Methylene Chloride	5/28/08	460	1600	8/25/08	490 (J)	1700 (J)	11/12/08	ND	ND	3/11/09	1400	4800
			Tetrachloroethene	5/28/08	380	2600	8/25/08	680 (J)	4600 (J)	11/12/08	520	3500	3/11/09	1200	7900
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/28/08	400	3100	8/25/08	580 (J)	4400 (J)	11/12/08	320	2,500	3/11/09	1,100	8300
			Trichloroethane[1,1,1-]	5/28/08	19,000	100,000	8/25/08	22000 (J)	120000 (J)	11/12/08	25,000	140,000	3/11/09	68,000	370,000
			Trichloroethene	5/28/08	3700	20,000	8/25/08	5600 (J)	30000 (J)	11/12/08	4,200	23,000	3/11/09	13,000	68,000
			Trichlorofluoromethane	5/28/08	100	600	8/25/08	120 (J)	700 (J)	11/12/08	100	590	3/11/09	300	1700
	160	150–170	Carbon Tetrachloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	3/12/09	91	580
			Chloroform	NS	NS	NS	NS	NS	NS	NS	NS	NS	3/12/09	260	1300
			Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	3/12/09	410	2000
			Dichloroethane[1,1-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	3/12/09	1500	6000
			Dichloroethane[1,2-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	3/12/09	1000	4100
			Dichloroethene[1,1-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	3/12/09	2400	9700
			Dichloropropane[1,2-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	3/12/09	130	620
			Methylene Chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	3/12/09	1500	5200
			Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	3/12/09	980	6600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	3/12/09	1100	8500
			Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	NS	NS	NS	3/12/09	62,000	340,000
			Trichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	3/12/09	12,000	63,000
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	3/12/09	310	1800
54-02022	20	17.5–22.5	Chloroform	NS	NS	NS	NS	NS	NS	11/13/08	200	990	NS	NS	NS
			Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	11/13/08	210	1000	NS	NS	NS
			Dichloroethane[1,1-]	NS	NS	NS	NS	NS	NS	11/13/08	1300	5300	NS	NS	NS
			Dichloroethane[1,2-]	NS	NS	NS	NS	NS	NS	11/13/08	1000	4200	NS	NS	NS
			Dichloroethene[1,1-]	NS	NS	NS	NS	NS	NS	11/13/08	4,200	17,000	NS	NS	NS
			Dichloropropane[1,2-]	NS	NS	NS	NS	NS	NS	11/13/08	140	630	NS	NS	NS
			Tetrachloroethene	NS	NS	NS	NS	NS	NS	11/13/08	1,700	11,000	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	NS	NS	NS	11/13/08	430	3300	NS	NS	NS

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02022	20	17.5–22.5	Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	11/13/08	52,000	280,000	NS	NS	NS
			Trichloroethene	NS	NS	NS	NS	NS	NS	11/13/08	8100	43,000	NS	NS	NS
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	11/13/08	170	950	NS	NS	NS
	40	37.5–42.5	Chloroform	5/23/08	ND	ND	8/28/08	ND	ND	11/13/08	270	1300	3/11/09	280	1400
			Dichlorodifluoromethane	5/23/08	ND	ND	8/28/08	240	1200	11/13/08	320	1600	3/11/09	410	2000
			Dichloroethane[1,1-]	5/23/08	1800	7500	8/28/08	1900	7800	11/13/08	2,000	7900	3/11/09	2000	8200
			Dichloroethane[1,2-]	5/23/08	1900	7800	8/28/08	2100	8600	11/13/08	2,100	8600	3/11/09	2100	8600
			Dichloroethene[1,1-]	5/23/08	1400	5700	8/28/08	1200	5000	11/13/08	6,700	26,000	3/11/09	1500	5800
			Dichloropropane[1,2-]	5/23/08	ND	ND	8/28/08	290	1300	11/13/08	210	970	3/11/09	240	1100
			Methylene Chloride	5/23/08	ND	ND	8/28/08	120	410	11/13/08	ND	ND	3/11/09	130	440
			Tetrachloroethene	5/23/08	550	3700	8/28/08	2300	16,000	11/13/08	2,100	14,000	3/11/09	2300	15,000
			Toluene	5/23/08	550	2100	8/28/08	ND	ND	11/13/08	ND	ND	3/11/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/23/08	880	6700	8/28/08	790	6100	11/13/08	690	5,300	3/11/09	700	5400
			Trichloroethane[1,1,1-]	5/23/08	65,000	350,000	8/28/08	53,000	290,000	11/13/08	70,000	380,000	3/11/09	69,000	380,000
			Trichloroethene	5/23/08	7200	39,000	8/28/08	12,000	65,000	11/13/08	11,000	60,000	3/11/09	12,000	66,000
			Trichlorofluoromethane	5/23/08	ND	ND	8/28/08	ND	ND	11/13/08	230	1300	3/11/09	240	1400
	80	77.5–82.5	Chloroform	5/23/08	ND	ND	8/28/08	320	1600	11/13/08	340	1700	3/11/09	360	1800
			Dichlorodifluoromethane	5/23/08	ND	ND	8/28/08	270	1300	11/13/08	400	2,000	3/11/09	520	2600
			Dichloroethane[1,1-]	5/23/08	2100	8400	8/28/08	2200	9000	11/13/08	2300	9,200	3/11/09	2600	10,000
			Dichloroethane[1,2-]	5/23/08	2600	10,000	8/28/08	2800	11,000	11/13/08	3300	13,000	3/11/09	3200	13,000
			Dichloroethene[1,1-]	5/23/08	1800	7000	8/28/08	1600	6300	11/13/08	8500	34,000	3/11/09	2100	8500
			Dichloropropane[1,2-]	5/23/08	ND	ND	8/28/08	360	1700	11/13/08	300	1400	3/11/09	330	1500
			Methylene Chloride	5/23/08	1000	3700	8/28/08	870	3000	11/13/08	960	3300	3/11/09	1000	3700
			Tetrachloroethene	5/23/08	580	4000	8/28/08	2300	15,000	11/13/08	2300	16,000	3/11/09	2600	18,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/23/08	1000	7,800	8/28/08	860	6600	11/13/08	850	6500	3/11/09	880	6700
			Trichloroethane[1,1,1-]	5/23/08	80,000	440,000	8/28/08	64,000	350,000	11/13/08	92,000	500,000	3/11/09	94,000	510,000
			Trichloroethene	5/23/08	9100	49,000	8/28/08	14,000	78,000	11/13/08	14,000	77,000	3/11/09	16,000	86,000
			Trichlorofluoromethane	5/23/08	ND	ND	8/28/08	ND	ND	11/13/08	300	1700	3/11/09	300	1700

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02022	120	117.5–122.5	Chloroform	5/23/08	ND	ND	8/28/08	ND	ND	11/13/08	400	2000	3/11/09	420	2000
			Dichlorodifluoromethane	5/23/08	400	2000	8/28/08	300	1500	11/13/08	410	2000	3/11/09	540	2700
			Dichloroethane[1,1-]	5/23/08	2100	8700	8/28/08	2300	9400	11/13/08	2500	10,000	3/11/09	2500	10,000
			Dichloroethane[1,2-]	5/23/08	2200	9000	8/28/08	2400	9800	11/13/08	2800	11,000	3/11/09	2700	11,000
			Dichloroethene[1,1-]	5/23/08	2600	10,000	8/28/08	2200	8900	11/13/08	11,000	43,000	3/11/09	2900	12,000
			Dichloropropane[1,2-]	5/23/08	ND	ND	8/28/08	360	1600	11/13/08	280	1300	3/11/09	320	1500
			Methylene Chloride	5/23/08	1300	4400	8/28/08	1100	3800	11/13/08	1200	4200	3/11/09	1200	4400
			Tetrachloroethene	5/23/08	500	3400	8/28/08	1900	13,000	11/13/08	1900	13,000	3/11/09	1800	12,000
			Toluene	5/23/08	380	1400	8/28/08	ND	ND	11/13/08	ND	ND	3/11/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/23/08	1200	9000	8/28/08	1,000	7800	11/13/08	970	7400	3/11/09	940	7200
			Trichloroethane[1,1,1-]	5/23/08	92,000	500,000	8/28/08	74,000	400,000	11/13/08	100,000	570,000	3/11/09	100,000	560,000
			Trichloroethene	5/23/08	10,000	56,000	8/28/08	17,000	91,000	11/13/08	16,000	86,000	3/11/09	17,000	92,000
			Trichlorofluoromethane	5/23/08	400	2200	8/28/08	ND	ND	11/13/08	340	1900	3/11/09	350	2000
	140	137.5–142.5	Chloroform	5/23/08	ND	ND	8/28/08	ND	ND	11/13/08	380	1900	3/11/09	350	1700
			Dichlorodifluoromethane	5/23/08	390	1900	8/28/08	300	1500	11/13/08	430	2100	3/11/09	530	2600
			Dichloroethane[1,1-]	5/23/08	1600	6600	8/28/08	1800	7300	11/13/08	2100	8400	3/11/09	2200	8800
			Dichloroethane[1,2-]	5/23/08	1100	4400	8/28/08	1300	5200	11/13/08	1600	6600	3/11/09	1600	6400
			Dichloroethene[1,1-]	5/23/08	2700	11,000	8/28/08	2500	10,000	11/13/08	10,000	42,000	3/11/09	3300	13,000
			Dichloropropane[1,2-]	5/23/08	ND	ND	8/28/08	220	1000	11/13/08	210	980	3/11/09	220	1000
			Methylene Chloride	5/23/08	1700	6000	8/28/08	1600	5400	11/13/08	1900	6600	3/11/09	2000	6800
			Propanol[2-]	5/23/08	1400	3500	8/28/08	ND	ND	11/13/08	ND	ND	3/11/09	ND	ND
			Tetrachloroethene	5/23/08	420	2800	8/28/08	1400	9,500	11/13/08	1600	11,000	3/11/09	1400	9200
			Toluene	5/23/08	410	1500	8/28/08	ND	ND	11/13/08	ND	ND	3/11/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/23/08	1100	8400	8/28/08	1000	7700	11/13/08	1000	7700	3/11/09	960	7300
			Trichloroethane[1,1,1-]	5/23/08	74,000	400,000	8/28/08	60,000	330,000	11/13/08	100,000	550,000	3/11/09	94,000	510,000
			Trichloroethene	5/23/08	9000	48,000	8/28/08	15,000	80,000	11/13/08	16,000	86,000	3/11/09	16,000	88,000
			Trichlorofluoromethane	5/23/08	450	2500	8/28/08	ND	ND	11/13/08	370	2100	3/11/09	370	2100

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	40	30–50	Benzene	6/9/08	ND	ND	8/15/08	10	30	11/18/08	ND	ND	3/24/09	ND	ND
			Carbon Tetrachloride	6/9/08	45	280	8/15/08	30	190	11/18/08	33	210	3/24/09	43	270
			Chloroform	6/9/08	300	1500	8/15/08	320	1600	11/18/08	320	1600	3/24/09	330	1600
			Cyclohexane	6/9/08	210	710	8/15/08	ND	ND	11/18/08	160	570	3/24/09	ND	ND
			Dichlorodifluoromethane	6/9/08	56	280	8/15/08	38	190	11/18/08	52	260	3/24/09	58	290
			Dichloroethane[1,1-]	6/9/08	130	520	8/15/08	130	510	11/18/08	130	510	3/24/09	140	560
			Dichloroethane[1,2-]	6/9/08	19	78	8/15/08	19	78	11/18/08	20	82	3/24/09	22	88
			Dichloroethene[1,1-]	6/9/08	1700	6700	8/15/08	620	2400	11/18/08	800	3,200	3/24/09	700	2800
			Dichloropropane[1,2-]	6/9/08	92	420	8/15/08	100	490	11/18/08	87	400	3/24/09	100	480
			Methylene Chloride	6/9/08	18	61	8/15/08	16	56	11/18/08	ND	ND	3/24/09	18	62
			Tetrachloroethene	6/9/08	230	1600	8/15/08	260	1700	11/18/08	230	1,600	3/24/09	230	1500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/9/08	1700	13,000	8/15/08	1600	12,000	11/18/08	1600	12,000	3/24/09	1700	13,000
			Trichloroethane[1,1,1-]	6/9/08	9800	53,000	8/15/08	7000	38,000	11/18/08	10,000	57,000	3/24/09	9500	52,000
			Trichloroethene	6/9/08	2500	13,000	8/15/08	2300	12,000	11/18/08	2,400	13,000	3/24/09	2700	14,000
			Trichlorofluoromethane	6/9/08	350	2000	8/15/08	340	1900	11/18/08	330	1800	3/24/09	350	2000
	100	90–110	Benzene	6/9/08	37	120	8/15/08	41	130	11/18/08	34	110	3/24/09	38	120
			Carbon Tetrachloride	6/9/08	83	520	8/15/08	57	360	11/18/08	ND	ND	3/24/09	80	500
			Chloroform	6/9/08	530	2600	8/15/08	500	2400	11/18/08	550	2700	3/24/09	530	2600
			Cyclohexane	6/9/08	350	1200	8/15/08	ND	ND	11/18/08	ND	ND	3/24/09	ND	ND
			Dichlorodifluoromethane	6/9/08	100	510	8/15/08	67	330	11/18/08	98	480	3/24/09	96	480
			Dichloroethane[1,1-]	6/9/08	210	850	8/15/08	190	760	11/18/08	210	860	3/24/09	220	880
			Dichloroethane[1,2-]	6/9/08	58	230	8/15/08	54	220	11/18/08	55	220	3/24/09	55	220
			Dichloroethene[1,1-]	6/9/08	2700	11,000	8/15/08	1000	4000	11/18/08	1500	6100	3/24/09	1200	4900
			Dichloropropane[1,2-]	6/9/08	140	660	8/15/08	160	730	11/18/08	140	640	3/24/09	150	700
			Methylene Chloride	6/9/08	190	660	8/15/08	160	570	11/18/08	170	600	3/24/09	200	700
			Tetrachloroethene	6/9/08	380	2600	8/15/08	400	2700	11/18/08	380	2600	3/24/09	340	2300
			Toluene	6/9/08	28	100	8/15/08	36	140	11/18/08	28	100	3/24/09	31	120
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/9/08	3000	23,000	8/15/08	2600	20,000	11/18/08	2900	23,000	3/24/09	2800	22,000
			Trichloroethane[1,1,1-]	6/9/08	16,000	89,000	8/15/08	12,000	63,000	11/18/08	17,000	93,000	3/24/09	14,000	80,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	100	90–110	Trichloroethene	6/9/08	4400	24,000	8/15/08	3900	21,000	11/18/08	4100	22,000	3/24/09	4400	24,000
			Trichlorofluoromethane	6/9/08	590	3300	8/15/08	490	2800	11/18/08	570	3200	3/24/09	560	3200
	120	110–130	Benzene	6/9/08	47	150	8/15/08	55	180	11/18/08	ND	ND	3/24/09	52	160
			Carbon Tetrachloride	6/9/08	99	620	8/15/08	75	470	11/18/08	ND	ND	3/24/09	97	610
			Chloroform	6/9/08	560	2800	8/15/08	510	2500	11/18/08	540	2600	3/24/09	560	2700
			Cyclohexane	6/9/08	380	1300	8/15/08	ND	ND	11/18/08	ND	ND	3/24/09	ND	ND
			Dichlorodifluoromethane	6/9/08	120	590	8/15/08	78	380	11/18/08	110	550	3/24/09	120	580
			Dichloroethane[1,1-]	6/9/08	220	900	8/15/08	190	780	11/18/08	210	850	3/24/09	220	900
			Dichloroethane[1,2-]	6/9/08	49	200	8/15/08	45	180	11/18/08	35	140	3/24/09	48	190
			Dichloroethene[1,1-]	6/9/08	3300	13,000	8/15/08	1200	4600	11/18/08	1600	6300	3/24/09	1400	5700
			Dichloropropane[1,2-]	6/9/08	140	630	8/15/08	140	650	11/18/08	120	550	3/24/09	140	660
			Methylene Chloride	6/9/08	130	450	8/15/08	130	460	11/18/08	100	350	3/24/09	140	470
			Tetrachloroethene	6/9/08	410	2800	8/15/08	410	2800	11/18/08	380	2600	3/24/09	370	2500
			Toluene	6/9/08	ND	ND	8/15/08	37	140	11/18/08	ND	ND	3/24/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/9/08	3500	26,000	8/15/08	2800	22,000	11/18/08	3200	24,000	3/24/09	3200	24,000
			Trichloroethane[1,1,1-]	6/9/08	17,000	95,000	8/15/08	12,000	65,000	11/18/08	17,000	95,000	3/24/09	16,000	85,000
			Trichloroethene	6/9/08	4900	26,000	8/15/08	4200	22,000	11/18/08	4200	23,000	3/24/09	4800	26,000
			Trichlorofluoromethane	6/9/08	690	3900	8/15/08	530	3000	11/18/08	600	3,400	3/24/09	630	3500
	159	149–169	Benzene	6/9/08	65	210	8/15/08	91	290	11/18/08	70	220	3/24/09	89	280
			Carbon Tetrachloride	6/9/08	130	840	8/15/08	120	740	11/18/08	150	930	3/24/09	170	1000
			Chloroform	6/9/08	450	2200	8/15/08	500	2400	11/18/08	510	2500	3/24/09	580	2800
			Cyclohexane	6/9/08	360	1200	8/15/08	ND	ND	11/18/08	ND	ND	3/24/09	ND	ND
			Dichlorodifluoromethane	6/9/08	140	720	8/15/08	110	540	11/18/08	150	730	3/24/09	180	890
			Dichloroethane[1,1-]	6/9/08	170	680	8/15/08	180	720	11/18/08	180	730	3/24/09	220	890
			Dichloroethene[1,1-]	6/9/08	3000	12,000	8/15/08	1600	6400	11/18/08	2000	8100	3/24/09	2200	8600
			Dichloropropane[1,2-]	6/9/08	66	310	8/15/08	87	400	11/18/08	72	340	3/24/09	91	420
			Methylene Chloride	6/9/08	110	380	8/15/08	140	500	11/18/08	95	330	3/24/09	130	450
			Tetrachloroethene	6/9/08	350	2300	8/15/08	420	2800	11/18/08	380	2600	3/24/09	390	2700
			Toluene	6/9/08	30	110	8/15/08	57	220	11/18/08	24	90	3/24/09	37	140

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	159	149–169	Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/9/08	3800	29,000	8/15/08	3,600	28,000	11/18/08	3,800	30,000	3/24/09	4500	34,000
			Trichloroethane[1,1,1-]	6/9/08	16,000	86,000	8/15/08	12,000	69,000	11/18/08	17,000	95,000	3/24/09	18,000	97,000
			Trichloroethene	6/9/08	4600	24000	8/15/08	4700	25,000	11/18/08	4,600	25,000	3/24/09	5700	30,000
			Trichlorofluoromethane	6/9/08	690	3900	8/15/08	650	3700	11/18/08	690	3900	3/24/09	840	4700
54-02024	40	30–50	Benzene	6/9/08	ND	ND	8/6/08	ND	ND	11/19/08	ND	ND	3/21/09	19	62
			Carbon Tetrachloride	6/9/08	65	410	8/6/08	37	240	11/19/08	51	320	3/21/09	68	430
			Chloroform	6/9/08	460	2300	8/6/08	390	1900	11/19/08	550	2,700	3/21/09	500	2400
			Cyclohexane	6/9/08	280	960	8/6/08	ND	ND	11/19/08	ND	ND	3/21/09	ND	ND
			Dichlorodifluoromethane	6/9/08	51	250	8/6/08	30	150	11/19/08	66	320	3/21/09	55	270
			Dichloroethane[1,1-]	6/9/08	200	810	8/6/08	160	640	11/19/08	230	940	3/21/09	220	900
			Dichloroethane[1,2-]	6/9/08	62	250	8/6/08	51	210	11/19/08	74	300	3/21/09	71	290
			Dichloroethene[1,1-]	6/9/08	1900	7600	8/6/08	490	2000	11/19/08	2,600	10,000	3/21/09	720	2800
			Dichloropropane[1,2-]	6/9/08	310	1400	8/6/08	280	1300	11/19/08	360	1700	3/21/09	360	1600
			Tetrachloroethene	6/9/08	380	2600	8/6/08	320	2200	11/19/08	370	2500	3/21/09	380	2600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/9/08	1900	15,000	8/6/08	1500	12,000	11/19/08	1400	11,000	3/21/09	2000	15,000
			Trichloroethane[1,1,1-]	6/9/08	13,000	72,000	8/6/08	8600	47,000	11/19/08	13,000	73,000	3/21/09	13,000	70,000
			Trichloroethene	6/9/08	3200	17,000	8/6/08	2,500	13,000	11/19/08	3500	19,000	3/21/09	3400	18,000
			Trichlorofluoromethane	6/9/08	440	2500	8/6/08	320	1800	11/19/08	410	2300	3/21/09	430	2400
	100	90–110	Benzene	6/9/08	61	200	8/6/08	82	260	11/19/08	86	270	3/21/09	75	240
			Carbon Tetrachloride	6/9/08	130	820	8/6/08	100	650	11/19/08	100	640	3/21/09	140	890
			Chloroform	6/9/08	830	4000	8/6/08	870	4200	11/19/08	890	4300	3/21/09	930	4600
			Cyclohexane	6/9/08	480	1700	8/6/08	ND	ND	11/19/08	ND	ND	3/21/09	ND	ND
			Dichlorodifluoromethane	6/9/08	110	530	8/6/08	76	380	11/19/08	130	630	3/21/09	110	550
			Dichloroethane[1,1-]	6/9/08	330	1300	8/6/08	310	1300	11/19/08	360	1400	3/21/09	370	1500
			Dichloroethane[1,2-]	6/9/08	190	790	8/6/08	200	820	11/19/08	200	820	3/21/09	210	860
			Dichloroethene[1,1-]	6/9/08	4000	16,000	8/6/08	1200	4800	11/19/08	3100	12,000	3/21/09	1500	5900
			Dichloropropane[1,2-]	6/9/08	500	2300	8/6/08	590	2700	11/19/08	500	2300	3/21/09	580	2700
			Methylene Chloride	6/9/08	490	1700	8/6/08	430	1500	11/19/08	460	1600	3/21/09	520	1800
			Tetrachloroethene	6/9/08	640	4400	8/6/08	770	5200	11/19/08	550	3700	3/21/09	660	4400

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	100	90–110	Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/9/08	4000	30,000	8/6/08	3700	28,000	11/19/08	2800	22,000	3/21/09	4000	31,000
			Trichloroethane[1,1,1-]	6/9/08	22,000	120,000	8/6/08	18,000	97,000	11/19/08	22,000	120,000	3/21/09	23,000	120,000
			Trichloroethene	6/9/08	5700	31,000	8/6/08	5700	31,000	11/19/08	5500	30,000	3/21/09	6200	34,000
			Trichlorofluoromethane	6/9/08	880	4900	8/6/08	750	4200	11/19/08	620	3500	3/21/09	880	5000
	120	110–130	Benzene	NS	NS	NS	NS	NS	NS	11/19/08	83	260	NS	NS	NS
			Carbon Tetrachloride	NS	NS	NS	NS	NS	NS	11/19/08	110	700	NS	NS	NS
			Chloroform	NS	NS	NS	NS	NS	NS	11/19/08	950	4600	NS	NS	NS
			Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	11/19/08	150	760	NS	NS	NS
			Dichloroethane[1,1-]	NS	NS	NS	NS	NS	NS	11/19/08	360	1400	NS	NS	NS
			Dichloroethane[1,2-]	NS	NS	NS	NS	NS	NS	11/19/08	200	800	NS	NS	NS
			Dichloroethene[1,1-]	NS	NS	NS	NS	NS	NS	11/19/08	4700	18,000	NS	NS	NS
			Dichloropropane[1,2-]	NS	NS	NS	NS	NS	NS	11/19/08	480	2200	NS	NS	NS
			Methylene Chloride	NS	NS	NS	NS	NS	NS	11/19/08	300	1000	NS	NS	NS
			Tetrachloroethene	NS	NS	NS	NS	NS	NS	11/19/08	550	3800	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	NS	NS	NS	11/19/08	3400	26,000	NS	NS	NS
			Trichloroethane[1,1,1-]	NS	NS	NS	NS	NS	NS	11/19/08	22,000	120,000	NS	NS	NS
			Trichloroethene	NS	NS	NS	NS	NS	NS	11/19/08	6100	33,000	NS	NS	NS
			Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	11/19/08	670	3,800	NS	NS	NS
	140	130–150	Benzene	6/9/08	130	420	8/6/08	140	440	NS	NS	NS	3/24/09	150	480
			Carbon Tetrachloride	6/9/08	190	1200	8/6/08	130	820	NS	NS	NS	3/24/09	190	1200
			Chloroform	6/9/08	1100	5600	8/6/08	960	4700	NS	NS	NS	3/24/09	1,200	5900
			Cyclohexane	6/9/08	640	2200	8/6/08	ND	ND	NS	NS	NS	3/24/09	ND	ND
			Dichlorodifluoromethane	6/9/08	170	840	8/6/08	100	500	NS	NS	NS	3/24/09	170	830
			Dichloroethane[1,1-]	6/9/08	390	1600	8/6/08	310	1,300	NS	NS	NS	3/24/09	440	1800
			Dichloroethane[1,2-]	6/9/08	270	1100	8/6/08	230	950	NS	NS	NS	3/24/09	280	1100
			Dichloroethene[1,1-]	6/9/08	4900	19,000	8/6/08	1600	6300	NS	NS	NS	3/24/09	2,300	9300
			Dichloropropane[1,2-]	6/9/08	530	2500	8/6/08	520	2400	NS	NS	NS	3/24/09	600	2800
			Methylene Chloride	6/9/08	1500	5100	8/6/08	1100	4000	NS	NS	NS	3/24/09	1600	5600
			Tetrachloroethene	6/9/08	820	5600	8/6/08	770	5200	NS	NS	NS	3/24/09	770	5200

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	140	130–150	Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/9/08	5800	44,000	8/6/08	4300	33,000	NS	NS	NS	3/24/09	5600	43,000
			Trichloroethane[1,1,1-]	6/9/08	29,000	160,000	8/6/08	18,000	100,000	NS	NS	NS	3/24/09	28,000	150,000
			Trichloroethene	6/9/08	7900	42,000	8/6/08	6300	34,000	NS	NS	NS	3/24/09	8200	44,000
			Trichlorofluoromethane	6/9/08	1200	7000	8/6/08	890	5000	NS	NS	NS	3/24/09	1200	6900
	160	150–170	Benzene	6/9/08	150	480	8/6/08	180	560	11/19/08	180	580	3/21/09	170	550
			Carbon Tetrachloride	6/9/08	200	1200	8/6/08	150	930	11/19/08	150	940	3/21/09	220	1400
			Chloroform	6/9/08	1200	5600	8/6/08	1000	5100	11/19/08	1100	5500	3/21/09	1200	5800
			Cyclohexane	6/9/08	630	2200	8/6/08	ND	ND	11/19/08	ND	ND	3/21/09	ND	ND
			Dichlorodifluoromethane	6/9/08	180	880	8/6/08	120	580	11/19/08	200	1000	3/21/09	180	890
			Dichloroethane[1,1-]	6/9/08	370	1500	8/6/08	330	1300	11/19/08	370	1500	3/21/09	400	1600
			Dichloroethane[1,2-]	6/9/08	270	1100	8/6/08	250	1000	11/19/08	250	1000	3/21/09	270	1100
			Dichloroethene[1,1-]	6/9/08	4900	19,000	8/6/08	1900	7400	11/19/08	5900	23,000	3/21/09	2500	9900
			Dichloropropane[1,2-]	6/9/08	500	2300	8/6/08	520	2400	11/19/08	470	2200	3/21/09	530	2400
			Methylene Chloride	6/9/08	1900	6600	8/6/08	1600	5600	11/19/08	1,700	6000	3/21/09	2100	7200
			Tetrachloroethene	6/9/08	800	5,400	8/6/08	810	5500	11/19/08	610	4100	3/21/09	750	5100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/9/08	6000	46,000	8/6/08	4,800	37,000	11/19/08	4300	33,000	3/21/09	5700	43,000
			Trichloroethane[1,1,1-]	6/9/08	28,000	160,000	8/6/08	19,000	100,000	11/19/08	24,000	130,000	3/21/09	26,000	140,000
			Trichloroethene	6/9/08	7700	42,000	8/6/08	6700	36,000	11/19/08	7,00	38,000	3/21/09	7900	43,000
			Trichlorofluoromethane	6/9/08	1300	7200	8/6/08	980	5500	11/19/08	940	5300	3/21/09	1200	,800
54-02025	20	20	Acetone	5/30/08	460 (J)	1100 (J)	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Carbon Disulfide	5/30/08	210	670	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Carbon Tetrachloride	5/30/08	ND	ND	8/13/08	170	1000	11/20/08	140	910	3/20/09	230	1400
			Chloroform	5/30/08	810	4000	8/13/08	1400	6800	11/20/08	1300	6300	3/20/09	1300	6200
			Dichlorodifluoromethane	5/30/08	ND	ND	8/13/08	ND	ND	11/20/08	94	460	3/20/09	93	460
			Dichloroethane[1,1-]	5/30/08	500	2000	8/13/08	720	2900	11/20/08	700	2800	3/20/09	740	3000
			Dichloroethane[1,2-]	5/30/08	140	560	8/13/08	290	1200	11/20/08	270	1100	3/20/09	310	1200
			Dichloroethene[1,1-]	5/30/08	2300	9000	8/13/08	1100	4300	11/20/08	6300	25,000	3/20/09	1300	5200
			Dichloropropane[1,2-]	5/30/08	770	3600	8/13/08	2200	10,000	11/20/08	1900	8900	3/20/09	2000	9,00
			Methylene Chloride	5/30/08	120	410	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	130	450

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	20	20	Propanol[2-]	5/30/08	1400	3600	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Tetrachloroethene	5/30/08	12,000	82,000	8/13/08	1800	12,000	11/20/08	1200	8500	3/20/09	1400	9600
			Toluene	5/30/08	170	660	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/30/08	4600	36,000	8/13/08	5100	39,000	11/20/08	3200	25,000	3/20/09	6200	48,000
			Trichloroethane[1,1,1-]	5/30/08	27,000	150,000	8/13/08	38,000	210,000	11/20/08	37,000	200,000	3/20/09	40,000	220,000
			Trichloroethene	5/30/08	2900	16,000	8/13/08	8700	46,000	11/20/08	7400	40,000	3/20/09	8000	43,000
			Trichlorofluoromethane	5/30/08	880	5000	8/13/08	870	4900	11/20/08	480	2700	3/20/09	820	4600
	100	100	Benzene	5/30/08	ND	ND	8/13/08	280	880	11/20/08	320	1000	3/20/09	280	900
			Carbon Disulfide	5/30/08	200	630	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Carbon Tetrachloride	5/30/08	ND	ND	8/13/08	270	1700	11/20/08	260	1600	3/20/09	430	2700
			Chlorobenzene	5/30/08	ND	ND	8/13/08	ND	ND	11/20/08	110	510	3/20/09	ND	ND
			Chloroform	5/30/08	1600	7700	8/13/08	2300	11,000	11/20/08	2700	13,000	3/20/09	2600	13,000
			Dichlorodifluoromethane	5/30/08	200	980	8/13/08	120	610	11/20/08	270	1300	3/20/09	200	1000
			Dichloroethane[1,1-]	5/30/08	820	3300	8/13/08	970	3900	11/20/08	1300	5100	3/20/09	1200	4,00
			Dichloroethane[1,2-]	5/30/08	710	2900	8/13/08	1400	5500	11/20/08	1600	6500	3/20/09	1600	6300
			Dichloroethene[1,1-]	5/30/08	4600	18,000	8/13/08	2600	10,000	11/20/08	17,000	68,000	3/20/09	3400	14,000
			Dichloropropane[1,2-]	5/30/08	1200	5800	8/13/08	3200	15,000	11/20/08	3600	16,000	3/20/09	3600	17,000
			Ethanol	5/30/08	ND	ND	8/13/08	800	1500	11/20/08	900	1,700	3/20/09	920(J-)	1700(J-)
			Methylene Chloride	5/30/08	2600	8900	8/13/08	2500	8800	11/20/08	2800	9800	3/20/09	2800	9700
			Propanol[2-]	5/30/08	790	1900	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Tetrachloroethene	5/30/08	8300	56,000	8/13/08	2300	16,000	11/20/08	2100	14,000	3/20/09	2300	16,000
			Tetrahydrofuran	5/30/08	210	620	8/13/08	360	1100	11/20/08	370	1100	3/20/09	430	1300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/30/08	9400	72,000	8/13/08	8,500	65,000	11/20/08	8200	63,000	3/20/09	9500	73,000
			Trichloroethane[1,1,1-]	5/30/08	42,000	230,000	8/13/08	51,000	280,000	11/20/08	62,000	340,000	3/20/09	66,000	360,000
			Trichloroethene	5/30/08	4900	26,000	8/13/08	14,000	77,000	11/20/08	16,000	89,000	3/20/09	16,000	88,000
			Trichlorofluoromethane	5/30/08	,200	12,000	8/13/08	1700	9,800	11/20/08	1500	8400	3/20/09	2000	11,000
			Xylene[1,2-]	5/30/08	ND	ND	8/13/08	260	1200	11/20/08	190	820	3/20/09	190	840

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02025	160	160	Benzene	5/30/08	220	690	8/13/08	450	1400	11/20/08	470	1500	3/20/09	420	1400
			Carbon Disulfide	5/30/08	200	640	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Carbon Tetrachloride	5/30/08	210	1300	8/13/08	320	2000	11/20/08	350	2200	3/20/09	460	2900
			Chlorobenzene	5/30/08	ND	ND	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	100	460
			Chloroform	5/30/08	1900	9200	8/13/08	2500	12,000	11/20/08	2900	14,000	3/20/09	2800	14,000
			Dichlorodifluoromethane	5/30/08	270	1300	8/13/08	190	940	11/20/08	360	1800	3/20/09	290	1400
			Dichloroethane[1,1-]	5/30/08	810	3300	8/13/08	880	3500	11/20/08	1100	4500	3/20/09	1100	4400
			Dichloroethane[1,2-]	5/30/08	730	2900	8/13/08	1200	5000	11/20/08	1300	5400	3/20/09	1400	5600
			Dichloroethene[1,1-]	5/30/08	6,800	27,000	8/13/08	3800	15,000	11/20/08	18,000	70,000	3/20/09	5000	20,000
			Dichloropropane[1,2-]	5/30/08	1200	5400	8/13/08	2800	13,000	11/20/08	2700	13,000	3/20/09	2900	13,000
			Ethanol	5/30/08	ND	ND	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	460(J-)	860(J-)
			Hexane	5/30/08	ND	ND	8/13/08	120	420	11/20/08	110	400	3/20/09	120	410
			Methylene Chloride	5/30/08	6100	21,000	8/13/08	5600	20,000	11/20/08	6800	24,000	3/20/09	7000	24,000
			Tetrachloroethene	5/30/08	6600	45,000	8/13/08	2200	15,000	11/20/08	1900	13,000	3/20/09	200	14,000
			Toluene	5/30/08	270	1000	8/13/08	720	2700	11/20/08	720	2700	3/20/09	660	2500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/30/08	12,000	93,000	8/13/08	10,000	78,000	11/20/08	9500	73,000	3/20/09	12,000	89,000
			Trichloroethane[1,1,1-]	5/30/08	45,000	240,000	8/13/08	49,000	260,000	11/20/08	58,000	320,000	3/20/09	65,000	350,000
			Trichloroethene	5/30/08	6000	32,000	8/13/08	16,000	84,000	11/20/08	17,000	93,000	3/20/09	18,000	96,000
			Trichlorofluoromethane	5/30/08	2700	15,000	8/13/08	,000	12,000	11/20/08	1800	10,000	3/20/09	2,500	14,000
			Xylene[1,2-]	5/30/08	ND	ND	8/13/08	270	1200	11/20/08	220	960	3/20/09	220	950
			Xylene[1,3-]+Xylene[1,4-]	5/30/08	ND	ND	8/13/08	120	540	11/20/08	110	470	3/20/09	99	430
54-02026	20	20	Carbon Disulfide	6/5/08	ND	ND	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	17	54
			Carbon Tetrachloride	6/5/08	ND	ND	8/13/08	6	40	11/20/08	ND	ND	3/20/09	ND	ND
			Chloroform	6/5/08	41	200	8/13/08	52	250	11/20/08	46	220	3/20/09	46	220
			Cyclohexane	6/5/08	20	67	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Dichlorodifluoromethane	6/5/08	8	40	8/13/08	7	36	11/20/08	11	54	3/20/09	9	45
			Dichloroethane[1,1-]	6/5/08	9	38	8/13/08	12	47	11/20/08	10	42	3/20/09	10	39
			Dichloroethene[1,1-]	6/5/08	200	790	8/13/08	72	280	11/20/08	230	920	3/20/09	68	270
			Dichloropropane[1,2-]	6/5/08	ND	ND	8/13/08	8	37	11/20/08	ND	ND	3/20/09	ND	ND
			Propanol[2-]	6/5/08	ND	ND	8/13/08	ND	ND	11/20/08	45	110	3/20/09	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	20	20	Tetrachloroethene	6/5/08	32	220	8/13/08	35	240	11/20/08	28	190	3/20/09	30	200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/5/08	220	1700	8/13/08	260	2000	11/20/08	190	1500	3/20/09	220	1700
			Trichloroethane[1,1,1-]	6/5/08	920	5000	8/13/08	1200	6500	11/20/08	960	5200	3/20/09	1000	5500
			Trichloroethene	6/5/08	260	1400	8/13/08	310	1700	11/20/08	260	1400	3/20/09	80	1500
			Trichlorofluoromethane	6/5/08	40	220	8/13/08	44	240	11/20/08	34	190	3/20/09	44	250
	100	100	Carbon Disulfide	6/5/08	ND	ND	8/13/08	44	140	11/20/08	ND	ND	3/20/09	ND	ND
			Carbon Tetrachloride	6/5/08	16	100	8/13/08	17	100	11/20/08	15	92	3/20/09	17	100
			Chloroform	6/5/08	89	430	8/13/08	100	510	11/20/08	100	510	3/20/09	100	500
			Cyclohexane	6/5/08	42	140	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Dichlorodifluoromethane	6/5/08	22	110	8/13/08	18	91	11/20/08	30	150	3/20/09	26	130
			Dichloroethane[1,1-]	6/5/08	21	84	8/13/08	26	100	11/20/08	25	100	3/20/09	24	96
			Dichloroethene[1,1-]	6/5/08	440	1700	8/13/08	220	890	11/20/08	490	1900	3/20/09	200	780
			Dichloropropane[1,2-]	6/5/08	12	57	8/13/08	14	63	11/20/08	15	70	3/20/09	15	70
			Methylene Chloride	6/5/08	9	33	8/13/08	14	47	11/20/08	10	36	3/20/09	11	38
			Tetrachloroethene	6/5/08	70	470	8/13/08	62	420	11/20/08	62	420	3/20/09	65	440
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/5/08	550	4200	8/13/08	670	5200	11/20/08	500	3800	3/20/09	560	4300
			Trichloroethane[1,1,1-]	6/5/08	2000	11,000	8/13/08	2500	14,000	11/20/08	2300	12,000	3/20/09	2200	12,000
			Trichloroethene	6/5/08	580	3100	8/13/08	640	3400	11/20/08	640	3400	3/20/09	640	3400
			Trichlorofluoromethane	6/5/08	96	540	8/13/08	110	600	11/20/08	78	440	3/20/09	100	590
	160	160	Carbon Tetrachloride	6/5/08	28	170	8/13/08	29	180	11/20/08	26	160	3/20/09	30	190
			Chloroform	6/5/08	100	500	8/13/08	110	540	11/20/08	120	570	3/20/09	120	570
			Cyclohexane	6/5/08	58	200	8/13/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Dichlorodifluoromethane	6/5/08	39	190	8/13/08	33	160	11/20/08	50	250	3/20/09	41	200
			Dichloroethane[1,1-]	6/5/08	24	98	8/13/08	26	100	11/20/08	28	110	3/20/09	27	110
			Dichloroethene[1,1-]	6/5/08	620	2400	8/13/08	370	1,500	11/20/08	760	3000	3/20/09	330	1300
			Dichloropropane[1,2-]	6/5/08	ND	ND	8/13/08	ND	ND	11/20/08	10	44	3/20/09	9	42
			Methylene Chloride	6/5/08	56	190	8/13/08	66	230	11/20/08	59	200	3/20/09	64	220
			Tetrachloroethene	6/5/08	93	630	8/13/08	83	560	11/20/08	86	580	3/20/09	85	580

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	160	160	Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/5/08	870	6700	8/13/08	980	7500	11/20/08	750	5800	3/20/09	860	6600
			Trichloroethane[1,1,1-]	6/5/08	2700	14,000	8/13/08	3100	17,000	11/20/08	2700	15,000	3/20/09	2800	16,000
			Trichloroethene	6/5/08	790	4300	8/13/08	850	4600	11/20/08	840	4500	3/20/09	850	4600
			Trichlorofluoromethane	6/5/08	140	810	8/13/08	150	860	11/20/08	110	640	3/20/09	150	860
54-02027	20	20	Carbon Tetrachloride	6/4/08	12	76	8/14/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Chloroform	6/4/08	200	960	8/14/08	230	1100	11/20/08	200	1000	3/20/09	200	1000
			Cyclohexane	6/4/08	83	280	8/14/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Dichlorodifluoromethane	6/4/08	24	120	8/14/08	24	120	11/20/08	27	130	3/20/09	26	130
			Dichloroethane[1,1-]	6/4/08	53	210	8/14/08	62	250	11/20/08	55	220	3/20/09	57	230
			Dichloroethene[1,1-]	6/4/08	1000	4000	8/14/08	340	1300	11/20/08	780	3100	3/20/09	270	1000
			Dichloropropane[1,2-]	6/4/08	75	340	8/14/08	88	410	11/20/08	79	370	3/20/09	81	370
			Methylene Chloride	6/4/08	9	31	8/14/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Tetrachloroethene	6/4/08	140	940	8/14/08	140	960	11/20/08	120	840	3/20/09	120	850
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/4/08	830	6400	8/14/08	1000	7800	11/20/08	630	4800	3/20/09	800	6200
			Trichloroethane[1,1,1-]	6/4/08	4000	22,000	8/14/08	5200	29,000	11/20/08	4000	22,000	3/20/09	4200	23,000
			Trichloroethene	6/4/08	1000	5600	8/14/08	1200	6600	11/20/08	990	5300	3/20/09	1000	5700
			Trichlorofluoromethane	6/4/08	160	880	8/14/08	190	1100	11/20/08	120	700	3/20/09	170	950
	100	100	Benzene	6/4/08	34	110	8/14/08	ND	ND	11/20/08	40	130	3/20/09	39	120
			Carbon Tetrachloride	6/4/08	66	410	8/14/08	ND	ND	11/20/08	50	320	3/20/09	75	470
			Chloroform	6/4/08	580	2800	8/14/08	540	2600	11/20/08	670	3300	3/20/09	650	3200
			Cyclohexane	6/4/08	280	960	8/14/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Dichlorodifluoromethane	6/4/08	74	360	8/14/08	66	320	11/20/08	100	520	3/20/09	84	420
			Dichloroethane[1,1-]	6/4/08	150	610	8/14/08	140	560	11/20/08	180	720	3/20/09	160	670
			Dichloroethane[1,2-]	6/4/08	55	220	8/14/08	ND	ND	11/20/08	ND	ND	3/20/09	60	240
			Dichloroethene[1,1-]	6/4/08	1900	7600	8/14/08	990	3900	11/20/08	2200	8800	3/20/09	970	3800
			Dichloropropane[1,2-]	6/4/08	230	1100	8/14/08	210	970	11/20/08	260	1200	3/20/09	260	1200
			Methylene Chloride	6/4/08	230	800	8/14/08	250	860	11/20/08	250	860	3/20/09	250	880
			Tetrachloroethene	6/4/08	420	2900	8/14/08	300	2000	11/20/08	390	2600	3/20/09	390	2600

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	100	100	Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/4/08	2700	21,000	8/14/08	2700	21,000	11/20/08	2600	20,000	3/20/09	2700	21,000
			Trichloroethane[1,1,1-]	6/4/08	13,000	73,000	8/14/08	12,000	65,000	11/20/08	14,000	78,000	3/20/09	13,000	71,000
			Trichloroethene	6/4/08	3200	17,000	8/14/08	2900	16,000	11/20/08	3400	18,000	3/20/09	3400	18,000
			Trichlorofluoromethane	6/4/08	460	2600	8/14/08	480	2700	11/20/08	460	2600	3/20/09	540	3000
	200	200	Benzene	6/4/08	93	300	8/14/08	87	280	11/20/08	110	340	3/20/09	110	340
			Carbon Tetrachloride	6/4/08	130	810	8/14/08	110	690	11/20/08	100	670	3/20/09	130	830
			Chloroform	6/4/08	540	2600	8/14/08	520	2600	11/20/08	600	3000	3/20/09	620	3000
			Cyclohexane	6/4/08	280	950	8/14/08	ND	ND	11/20/08	ND	ND	3/20/09	ND	ND
			Dichlorodifluoromethane	6/4/08	130	630	8/14/08	100	520	11/20/08	170	860	3/20/09	150	730
			Dichloroethane[1,1-]	6/4/08	120	490	8/14/08	110	460	11/20/08	140	560	3/20/09	130	540
			Dichloroethane[1,2-]	6/4/08	29	120	8/14/08	ND	ND	11/20/08	32	130	3/20/09	35	140
			Dichloroethene[1,1-]	6/4/08	2500	10,000	8/14/08	1700	6700	11/20/08	2800	11,000	3/20/09	1700	6800
			Dichloropropane[1,2-]	6/4/08	87	400	8/14/08	87	400	11/20/08	98	450	3/20/09	100	470
			Methylene Chloride	6/4/08	880	3000	8/14/08	980	3400	11/20/08	940	3300	3/20/09	1100	3800
			Tetrachloroethene	6/4/08	430	2900	8/14/08	360	2400	11/20/08	400	2700	3/20/09	410	2800
			Toluene	6/4/08	210	790	8/14/08	190	700	11/20/08	240	900	3/20/09	240	890
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/4/08	3600	27,000	8/14/08	3800	29,000	11/20/08	3300	25,000	3/20/09	3700	28,000
			Trichloroethane[1,1,1-]	6/4/08	13,000	69,000	8/14/08	12,000	64,000	11/20/08	13,000	71,000	3/20/09	12,000	68,000
			Trichloroethene	6/4/08	3500	19,000	8/14/08	3300	18,000	11/20/08	3600	20,000	3/20/09	3700	20,000
			Trichlorofluoromethane	6/4/08	540	3000	8/14/08	580	3,00	11/20/08	580	3300	3/20/09	650	3700
54-02028	20	20	Carbon Tetrachloride	6/5/08	25	160	8/14/08	7	44	11/26/08	ND	ND	3/21/09	ND	ND
			Chloroform	6/5/08	46	220	8/14/08	54	260	11/26/08	46	230	3/21/09	55	270
			Cyclohexane	6/5/08	37	130	8/14/08	ND	ND	11/26/08	ND	ND	3/21/09	ND	ND
			Dichlorodifluoromethane	6/5/08	40	200	8/14/08	7	34	11/26/08	9	45	3/21/09	ND	ND
			Dichloroethane[1,1-]	6/5/08	14	56	8/14/08	19	77	11/26/08	16	65	3/21/09	19	78
			Dichloroethene[1,1-]	6/5/08	510	2000	8/14/08	88	350	11/26/08	240	970	3/21/09	84	330
			Dichloropropane[1,2-]	6/5/08	ND	ND	8/14/08	19	87	11/26/08	15	70	3/21/09	17	80
			Methylene Chloride	6/5/08	33	120	8/14/08	ND	ND	11/26/08	ND	ND	3/21/09	ND	ND
			Tetrachloroethene	6/5/08	52	350	8/14/08	42	290	11/26/08	38	260	3/21/09	41	280

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02028	20	20	Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/5/08	710	5500	8/14/08	280	2200	11/26/08	200	1600	3/21/09	260	2000
			Trichloroethane[1,1,1-]	6/5/08	1700	9300	8/14/08	1600	8800	11/26/08	1200	6300	3/21/09	1400	7800
			Trichloroethene	6/5/08	570	3000	8/14/08	430	2300	11/26/08	340	1800	3/21/09	410	2200
			Trichlorofluoromethane	6/5/08	120	700	8/14/08	53	300	11/26/08	31	180	3/21/09	50	280
	100	100	Carbon Tetrachloride	6/5/08	16	99	8/14/08	15	95	11/26/08	13	83	3/21/09	18	110
			Chloroform	6/5/08	98	480	8/14/08	99	480	11/26/08	100	500	3/21/09	100	520
			Cyclohexane	6/5/08	54	190	8/14/08	ND	ND	11/26/08	ND	ND	3/21/09	ND	ND
			Dichlorodifluoromethane	6/5/08	22	110	8/14/08	18	89	11/26/08	27	130	3/21/09	22	110
			Dichloroethane[1,1-]	6/5/08	31	130	8/14/08	31	120	11/26/08	33	130	3/21/09	35	140
			Dichloroethene[1,1-]	6/5/08	520	2100	8/14/08	240	940	11/26/08	530	2100	3/21/09	210	840
			Dichloropropane[1,2-]	6/5/08	21	96	8/14/08	23	100	11/26/08	ND	ND	3/21/09	23	110
			Methylene Chloride	6/5/08	27	95	8/14/08	31	110	11/26/08	26	90	3/21/09	30	100
			Tetrachloroethene	6/5/08	73	500	8/14/08	63	430	11/26/08	68	460	3/21/09	69	470
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/5/08	580	4500	8/14/08	620	4800	11/26/08	530	4100	3/21/09	580	4400
			Trichloroethane[1,1,1-]	6/5/08	2500	14,000	8/14/08	2800	15,000	11/26/08	2500	14,000	3/21/09	2600	14,000
			Trichloroethene	6/5/08	750	4000	8/14/08	800	4300	11/26/08	760	4000	3/21/09	800	4300
			Trichlorofluoromethane	6/5/08	110	620	8/14/08	120	670	11/26/08	89	500	3/21/09	120	650
	160	160	Carbon Tetrachloride	6/5/08	19	120	8/14/08	22	140	11/26/08	24	150	3/21/09	26	170
			Chloroform	6/5/08	69	340	8/14/08	84	410	11/26/08	110	550	3/21/09	110	560
			Cyclohexane	6/5/08	41	140	8/14/08	ND	ND	11/26/08	ND	ND	3/21/09	ND	ND
			Dichlorodifluoromethane	6/5/08	27	130	8/14/08	28	140	11/26/08	49	240	3/21/09	42	210
			Dichloroethane[1,1-]	6/5/08	21	86	8/14/08	24	96	11/26/08	34	140	3/21/09	34	140
			Dichloroethene[1,1-]	6/5/08	550	2200	8/14/08	290	1200	11/26/08	690	2700	3/21/09	340	1300
			Dichloropropane[1,2-]	6/5/08	ND	ND	8/14/08	8	36	11/26/08	11	51	3/21/09	12	57
			Methylene Chloride	6/5/08	50	180	8/14/08	61	210	11/26/08	74	260	3/21/09	85	300
			Tetrachloroethene	6/5/08	58	390	8/14/08	60	410	11/26/08	79	540	3/21/09	77	520
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/5/08	590	4600	8/14/08	720	5600	11/26/08	800	6100	3/21/09	860	6600
			Trichloroethane[1,1,1-]	6/5/08	1900	10,000	8/14/08	2600	14,000	11/26/08	3100	17,000	3/21/09	3000	16,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02028	160	160	Trichloroethene	6/5/08	630	3400	8/14/08	780	4200	11/26/08	950	5100	3/21/09	970	5200
			Trichlorofluoromethane	6/5/08	110	600	8/14/08	130	720	11/26/08	140	770	3/21/09	160	910
54-02031	20	20	Carbon Tetrachloride	5/29/08	ND	ND	8/27/08	24	150	11/12/08	ND	ND	3/12/09	ND	ND
			Chloroform	5/29/08	110	540	8/27/08	ND	ND	11/12/08	140	690	3/12/09	170	810
			Cyclohexane	5/29/08	250	880	8/27/08	ND	ND	11/12/08	ND	ND	3/12/09	ND	ND
			Dichlorodifluoromethane	5/29/08	51	250	8/27/08	45	220	11/12/08	67	330	3/12/09	100	490
			Dichloroethane[1,1-]	5/29/08	220	900	8/27/08	280	1100	11/12/08	300	1200	3/12/09	350	1400
			Dichloroethane[1,2-]	5/29/08	50	200	8/27/08	56	230	11/12/08	ND	ND	3/12/09	ND	ND
			Dichloroethene[1,1-]	5/29/08	1800	7200	8/27/08	550	2200	11/12/08	2,100	8200	3/12/09	780	3100
			Dichloropropane[1,2-]	5/29/08	ND	ND	8/27/08	27	120	11/12/08	ND	ND	3/12/09	ND	ND
			Tetrachloroethene	5/29/08	350	2400	8/27/08	550	3700	11/12/08	440	3000	3/12/09	480	3200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/29/08	520	4000	8/27/08	540	4200	11/12/08	480	3700	3/12/09	ND	ND
			Trichloroethane[1,1,1-]	5/29/08	10,000	54,000	8/27/08	9600	52,000	11/12/08	12,000	64,000	3/12/09	14,000	79,000
			Trichloroethene	5/29/08	2300	12,000	8/27/08	2900	16,000	11/12/08	2600	14,000	3/12/09	3200	17,000
			Trichlorofluoromethane	5/29/08	98	550	8/27/08	88	500	11/12/08	120	670	3/12/09	130	730
	100	100	Carbon Tetrachloride	5/29/08	ND	ND	8/27/08	84	530	11/12/08	ND	ND	3/12/09	97	610
			Chloroform	5/29/08	270	1300	8/27/08	ND	ND	11/12/08	300	1500	3/12/09	350	1700
			Cyclohexane	5/29/08	690	2400	8/27/08	ND	ND	11/12/08	ND	ND	3/12/09	ND	ND
			Dichlorodifluoromethane	5/29/08	150	740	8/27/08	140	670	11/12/08	180	900	3/12/09	230	1100
			Dichloroethane[1,1-]	5/29/08	580	2300	8/27/08	680	2800	11/12/08	700	2800	3/12/09	760	3100
			Dichloroethane[1,2-]	5/29/08	320	1300	8/27/08	330	1300	11/12/08	330	1300	3/12/09	350	1400
			Dichloroethene[1,1-]	5/29/08	5400	21,000	8/27/08	1500	5900	11/12/08	5200	21,000	3/12/09	1800	7400
			Dichloropropane[1,2-]	5/29/08	ND	ND	8/27/08	85	390	11/12/08	54	250	3/12/09	ND	ND
			Methylene Chloride	5/29/08	290	1000	8/27/08	280	960	11/12/08	280	980	3/12/09	330	1100
			Tetrachloroethene	5/29/08	950	6500	8/27/08	1400	9400	11/12/08	1000	7000	3/12/09	1100	7600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/29/08	1800	14,000	8/27/08	1800	14,000	11/12/08	1500	11,000	3/12/09	ND	ND
			Trichloroethane[1,1,1-]	5/29/08	26,000	140,000	8/27/08	23,000	120,000	11/12/08	28,000	150,000	3/12/09	33,000	180,000
			Trichloroethene	5/29/08	6400	34,000	8/27/08	7500	40,000	11/12/08	6700	36,000	3/12/09	7900	43,000
			Trichlorofluoromethane	5/29/08	310	1700	8/27/08	270	1500	11/12/08	330	1800	3/12/09	330	1800

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	160	160	Carbon Tetrachloride	5/29/08	ND	ND	8/27/08	100	660	11/12/08	ND	ND	3/12/09	120	760
			Chloroform	5/29/08	220	1100	8/27/08	ND	ND	11/12/08	270	1300	3/12/09	340	1600
			Cyclohexane	5/29/08	570	2000	8/27/08	ND	ND	11/12/08	ND	ND	3/12/09	ND	ND
			Dichlorodifluoromethane	5/29/08	160	770	8/27/08	180	880	11/12/08	210	1000	3/12/09	310	1600
			Dichloroethane[1,1-]	5/29/08	430	1700	8/27/08	600	2400	11/12/08	530	2200	3/12/09	710	2900
			Dichloroethane[1,2-]	5/29/08	200	800	8/27/08	210	860	11/12/08	210	860	3/12/09	ND	ND
			Dichloroethene[1,1-]	5/29/08	4600	18,000	8/27/08	1800	7000	11/12/08	5100	20,000	3/12/09	2200	8800
			Dichloropropane[1,2-]	5/29/08	ND	ND	8/27/08	64	300	11/12/08	ND	ND	3/12/09	ND	ND
			Methylene Chloride	5/29/08	360	1200	8/27/08	420	1400	11/12/08	400	1400	3/12/09	550	1900
			Tetrachloroethene	5/29/08	800	5400	8/27/08	1400	9600	11/12/08	1000	6800	3/12/09	1100	7400
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/29/08	1800	14,000	8/27/08	2300	18,000	11/12/08	1800	14,000	3/12/09	ND	ND
			Trichloroethane[1,1,1-]	5/29/08	21,000	110,000	8/27/08	23,000	120,000	11/12/08	24,000	130,000	3/12/09	35,000	190,000
			Trichloroethene	5/29/08	5500	30,000	8/27/08	7700	41,000	11/12/08	6400	35,000	3/12/09	8400	45,000
			Trichlorofluoromethane	5/29/08	320	1800	8/27/08	350	1900	11/12/08	340	1900	3/12/09	420	2400
	260	260	Carbon Disulfide	5/29/08	37	110	8/27/08	ND	ND	11/12/08	ND	ND	3/12/09	ND	ND
			Carbon Tetrachloride	5/29/08	26	160	8/27/08	86	540	11/12/08	ND	ND	3/12/09	130	820
			Chloroform	5/29/08	42	210	8/27/08	ND	ND	11/12/08	180	900	3/12/09	220	1100
			Cyclohexane	5/29/08	120	430	8/27/08	ND	ND	11/12/08	ND	ND	3/12/09	ND	ND
			Dichlorodifluoromethane	5/29/08	53	260	8/27/08	160	780	11/12/08	260	1300	3/12/09	340	1700
			Dichloroethane[1,1-]	5/29/08	72	290	8/27/08	270	1100	11/12/08	330	1300	3/12/09	390	1600
			Dichloroethane[1,2-]	5/29/08	ND	ND	8/27/08	47	190	11/12/08	ND	ND	3/12/09	ND	ND
			Dichloroethene[1,1-]	5/29/08	960	3800	8/27/08	1600	6200	11/12/08	2500	9900	3/12/09	2500	9900
			Methylene Chloride	5/29/08	76	260	8/27/08	220	780	11/12/08	310	1100	3/12/09	370	1300
			Tetrachloroethene	5/29/08	190	1300	8/27/08	870	5900	11/12/08	830	5600	3/12/09	860	5800
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/29/08	620	4800	8/27/08	2000	15,000	11/12/08	2400	18,000	3/12/09	ND	ND
			Trichloroethane[1,1,1-]	5/29/08	4400	24,000	8/27/08	12,000	68,000	11/12/08	22,000	120,000	3/12/09	24,000	130,000
			Trichloroethene	5/29/08	1200	6600	8/27/08	4600	25,000	11/12/08	5500	30,000	3/12/09	6400	34,000
			Trichlorofluoromethane	5/29/08	100	560	8/27/08	300	1700	11/12/08	390	2200	3/12/09	460	2600

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	20	20	Chloroform	5/27/08	17	83	8/29/08	18	90	11/13/08	26	120	3/10/09	26	120
			Cyclohexane	5/27/08	110	380	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	ND	ND
			Dichlorodifluoromethane	5/27/08	25	120	8/29/08	17	86	11/13/08	36	180	3/10/09	42	210
			Dichloroethane[1,1-]	5/27/08	59	240	8/29/08	59	240	11/13/08	89	360	3/10/09	89	360
			Dichloroethene[1,1-]	5/27/08	540	2200	8/29/08	110	430	11/13/08	450	1800	3/10/09	180	700
			Tetrachloroethene	5/27/08	50	340	8/29/08	62	420	11/13/08	72	490	3/10/09	70	480
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/27/08	57	440	8/29/08	47	360	11/13/08	60	460	3/10/09	62	480
			Trichloroethane[1,1,1-]	5/27/08	4400	24,000	8/29/08	3700	20,000	11/13/08	6400	35,000	3/10/09	6200	34,000
			Trichloroethene	5/27/08	660	3500	8/29/08	710	3800	11/13/08	860	4600	3/10/09	920	5000
			Trichlorofluoromethane	5/27/08	24	130	8/29/08	ND	ND	11/13/08	28	160	3/10/09	27	150
	60	60	Chloroform	5/27/08	22	100	8/29/08	30	150	11/13/08	35	170	3/10/09	37	180
			Cyclohexane	5/27/08	150	510	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	ND	ND
			Dichlorodifluoromethane	5/27/08	33	160	8/29/08	35	170	11/13/08	56	280	3/10/09	70	350
			Dichloroethane[1,1-]	5/27/08	100	410	8/29/08	140	590	11/13/08	170	710	3/10/09	180	740
			Dichloroethane[1,2-]	5/27/08	33	140	8/29/08	47	190	11/13/08	63	250	3/10/09	55	220
			Dichloroethene[1,1-]	5/27/08	750	3000	8/29/08	240	970	11/13/08	520	2100	3/10/09	330	1300
			Methylene Chloride	5/27/08	27	93	8/29/08	21	75	11/13/08	20	71	3/10/09	29	100
			Tetrachloroethene	5/27/08	63	420	8/29/08	110	770	11/13/08	110	750	3/10/09	110	720
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/27/08	78	600	8/29/08	96	740	11/13/08	100	760	3/10/09	110	810
			Trichloroethane[1,1,1-]	5/27/08	5800	32,000	8/29/08	6500	35,000	11/13/08	10,000	55,000	3/10/09	10,000	54,000
			Trichloroethene	5/27/08	950	5100	8/29/08	1500	8100	11/13/08	1600	8600	3/10/09	1700	9100
			Trichlorofluoromethane	5/27/08	32	180	8/29/08	ND	ND	11/13/08	40	220	3/10/09	47	260
	160	160	Chloroform	5/27/08	ND	ND	8/29/08	ND	ND	11/13/08	23	110	3/10/09	23	110
			Cyclohexane	5/27/08	110	380	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	ND	ND
			Dichlorodifluoromethane	5/27/08	50	240	8/29/08	56	280	11/13/08	77	380	3/10/09	110	530
			Dichloroethane[1,1-]	5/27/08	59	240	8/29/08	84	340	11/13/08	98	400	3/10/09	120	480
			Dichloroethane[1,2-]	5/27/08	ND	ND	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	12	47
			Dichloroethene[1,1-]	5/27/08	670	2600	8/29/08	360	1400	11/13/08	600	2400	3/10/09	530	2100
			Methylene Chloride	5/27/08	38	130	8/29/08	38	130	11/13/08	51	180	3/10/09	60	210

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	160	160	Tetrachloroethene	5/27/08	38	260	8/29/08	72	480	11/13/08	66	450	3/10/09	73	500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/27/08	110	830	8/29/08	140	1100	11/13/08	140	1100	3/10/09	160	1200
			Trichloroethane[1,1,1-]	5/27/08	3900	21,000	8/29/08	4300	24,000	11/13/08	7200	39,000	3/10/09	7600	41,000
			Trichloroethene	5/27/08	700	3800	8/29/08	1100	6100	11/13/08	1200	6600	3/10/09	1400	7600
			Trichlorofluoromethane	5/27/08	53	300	8/29/08	ND	ND	11/13/08	67	370	3/10/09	83	470
	260	260	Acetone	5/27/08	10	24	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	ND	ND
			Benzene	5/27/08	2	5	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	ND	ND
			Butanone[2-]	5/27/08	1	4	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	ND	ND
			Carbon Tetrachloride	5/27/08	2	12	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	ND	ND
			Cyclohexane	5/27/08	9	31	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	ND	ND
			Dichlorodifluoromethane	5/27/08	13	65	8/29/08	25	120	11/13/08	40	200	3/10/09	50	250
			Dichloroethane[1,1-]	5/27/08	1	4	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	ND	ND
			Dichloroethene[1,1-]	5/27/08	54	220	8/29/08	92	370	11/13/08	160	640	3/10/09	150	580
			Methanol	5/27/08	ND	ND	8/29/08	ND	ND	11/13/08	1400 (J)	1900 (J)	3/10/09	ND	ND
			Propylene	5/27/08	4	7	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	ND	ND
			Tetrachloroethene	5/27/08	3	17	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	ND	ND
			Toluene	5/27/08	2	7	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/27/08	26	200	8/29/08	60	460	11/13/08	66	510	3/10/09	66	510
			Trichloroethane[1,1,1-]	5/27/08	250	1400	8/29/08	570	3100	11/13/08	730	4000	3/10/09	780	4300
			Trichloroethene	5/27/08	13	69	8/29/08	43	230	11/13/08	35	190	3/10/09	48	260
			Trichlorofluoromethane	5/27/08	22	120	8/29/08	ND	ND	11/13/08	56	310	3/10/09	58	330
	300	300	Acetone	5/27/08	ND	ND	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	4	9.6
			Carbon Disulfide	5/27/08	ND	ND	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	2	4.6
			Carbon Tetrachloride	5/27/08	ND	ND	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	1	6.2
			Cyclohexane	5/27/08	1	4	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	ND	ND
			Dichlorodifluoromethane	5/27/08	5	23	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	7	36
			Dichloroethene[1,1-]	5/27/08	12	47	8/29/08	16	62	11/13/08	24	94	3/10/09	24	96
			Tetrachloroethene	5/27/08	ND	ND	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	1	6.4

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	300	300	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/27/08	8	62	8/29/08	14	110	11/13/08	9	70	3/10/09	15	120
			Trichloroethane[1,1,1-]	5/27/08	33	180	8/29/08	52	280	11/13/08	51	280	3/10/09	63	340
			Trichloroethene	5/27/08	1	6	8/29/08	ND	ND	11/13/08	ND	ND	3/10/09	2	13
			Trichlorofluoromethane	5/27/08	9	48	8/29/08	ND	ND	11/13/08	15	82	3/10/09	14	78
54-02089	13	13	Carbon Tetrachloride	NS	NS	NS	8/21/08	520	3300	NS	NS	NS	NS	NS	NS
			Chloroform	NS	NS	NS	8/21/08	4200	20,000	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,1-]	NS	NS	NS	8/21/08	10,000	42,000	NS	NS	NS	NS	NS	NS
			Dichloroethane[1,2-]	NS	NS	NS	8/21/08	49,000	200,000	NS	NS	NS	NS	NS	NS
			Dichloroethene[1,1-]	NS	NS	NS	8/21/08	3400	14,000	NS	NS	NS	NS	NS	NS
			Dichloropropane[1,2-]	NS	NS	NS	8/21/08	19,000	89,000	NS	NS	NS	NS	NS	NS
			Tetrachloroethene	NS	NS	NS	8/21/08	5500	37,000	NS	NS	NS	NS	NS	NS
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	NS	NS	NS	8/21/08	31,000	230,000	NS	NS	NS	NS	NS	NS
			Trichloroethane[1,1,1-]	NS	NS	NS	8/21/08	150,000	820,000	NS	NS	NS	NS	NS	NS
			Trichloroethene	NS	NS	NS	8/21/08	71,000	380,000	NS	NS	NS	NS	NS	NS
			Trichlorofluoromethane	NS	NS	NS	8/21/08	1800	9900	NS	NS	NS	NS	NS	NS
	31	31	Acetone	5/19/08	5200	12,000	NS	NS	NS	11/7/08	ND	ND	3/16/09	ND	ND
			Carbon Tetrachloride	5/19/08	ND	ND	NS	NS	NS	11/7/08	ND	ND	3/16/09	1700	11,000
			Chloroform	5/19/08	6200	30,000	NS	NS	NS	11/7/08	9000	44,000	3/16/09	7400	36,000
			Cyclohexane	5/19/08	10,000	34,000	NS	NS	NS	11/7/08	ND	ND	3/16/09	ND	ND
			Dichlorodifluoromethane	5/19/08	ND	ND	NS	NS	NS	11/7/08	870	4300	3/16/09	930	4600
			Dichloroethane[1,1-]	5/19/08	16,000	63,000	NS	NS	NS	11/7/08	20,000	80,000	3/16/09	17,000	69,000
			Dichloroethane[1,2-]	5/19/08	26,000	100,000	NS	NS	NS	11/7/08	84,000	340,000	3/16/09	86,000	350,000
			Dichloroethene[1,1-]	5/19/08	9500	38,000	NS	NS	NS	11/7/08	83,000	330,000	3/16/09	9800	39,000
			Dichloropropane[1,2-]	5/19/08	33,000	150,000	NS	NS	NS	11/7/08	53,000	240,000	3/16/09	41,000	190,000
			Tetrachloroethene	5/19/08	3800	26,000	NS	NS	NS	11/7/08	9800	66,000	3/16/09	7500	51,000
			Toluene	5/19/08	3900	15,000	NS	NS	NS	11/7/08	ND	ND	3/16/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/08	76,000	580,000	NS	NS	NS	11/7/08	69,000	530,000	3/16/09	71,000	550,000
			Trichloroethane[1,1,1-]	5/19/08	370,000	2,000,000	NS	NS	NS	11/7/08	450,000	2,500,000	3/16/09	380,000	2,100,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-02089	31	31	Trichloroethene	5/19/08	110,000	600,000	NS	NS	NS	11/7/08	180,000	1,000,000	3/16/09	140,000	740,000
			Trichlorofluoromethane	5/19/08	3700	21,000	NS	NS	NS	11/7/08	3600	20,000	3/16/09	3400	19,000
	46	46	Carbon Tetrachloride	5/19/08	ND	ND	8/21/08	1100	6800	11/7/08	1800	12,000	3/16/09	1800	12,000
			Chloroform	5/19/08	9900	48,000	8/21/08	7800	38,000	11/7/08	9500	46,000	3/16/09	9100	44,000
			Cyclohexane	5/19/08	12,000	43,000	8/21/08	ND	ND	11/7/08	ND	ND	3/16/09	ND	ND
			Dichlorodifluoromethane	5/19/08	ND	ND	8/21/08	ND	ND	11/7/08	1100	5500	3/16/09	1200	5700
			Dichloroethane[1,1-]	5/19/08	20,000	80,000	8/21/08	15,000	60,000	11/7/08	19,000	77,000	3/16/09	18,000	71,000
			Dichloroethane[1,2-]	5/19/08	15,000	61,000	8/21/08	17,000	69,000	11/7/08	28,000	120,000	3/16/09	42,000	170,000
			Dichloroethene[1,1-]	5/19/08	12,000	49,000	8/21/08	7600	30,000	11/7/08	99,000	390,000	3/16/09	11,000	45,000
			Dichloropropane[1,2-]	5/19/08	66,000	310,000	8/21/08	58,000	270,000	11/7/08	61,000	280,000	3/16/09	59,000	270,000
			Tetrachloroethene	5/19/08	9800	67,000	8/21/08	8400	57,000	11/7/08	8200	56,000	3/16/09	8600	58,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/08	99,000	760,000	8/21/08	74,000	570,000	11/7/08	79,000	610,000	3/16/09	92,000	700,000
			Trichloroethane[1,1,1-]	5/19/08	580,000	3,100,000	8/21/08	310,000	1,700,000	11/7/08	510,000	2,800,000	3/16/09	490,000	2,700,000
			Trichloroethene	5/19/08	180,000	950,000	8/21/08	120,000	640,000	11/7/08	150,000	800,000	3/16/09	150,000	800,000
			Trichlorofluoromethane	5/19/08	5000	28,000	8/21/08	2900	16,000	11/7/08	4300	24,000	3/16/09	3700	21,000
54-24238	64	63–65	Benzene	5/15/08	ND	ND	8/20/08	810	2600	11/7/08	ND	ND	3/16/09	ND	ND
			Carbon Tetrachloride	5/16/08	ND	ND	8/20/08	1000	6300	11/7/08	ND	ND	3/16/09	ND	ND
			Chloroform	5/16/08	6700	33000	8/20/08	9200	45,000	11/7/08	9900	48,000	3/16/09	10,000	50,000
			Dichlorodifluoromethane	5/16/08	ND	ND	8/20/08	680	3400	11/7/08	1300	6300	3/16/09	1400	7000
			Dichloroethane[1,1-]	5/16/08	11000	13000	8/20/08	12,000	49,000	11/7/08	13,000	54,000	3/16/09	14,000	57,000
			Dichloroethane[1,2-]	5/16/08	17000	71000	8/20/08	28,000	110,000	11/7/08	42,000	170,000	3/16/09	74,000	300,000
			Dichloroethene[1,1-]	5/16/08	10000	41000	8/20/08	12,000	47,000	11/7/08	75,000	300,000	3/16/09	14,000	57,000
			Dichloropropane[1,2-]	5/16/08	43000	200000	8/20/08	73,000	340,000	11/7/08	79,000	370,000	3/16/09	77,000	350,000
			Hexane	5/16/08	ND	ND	8/20/08	510	1800	11/7/08	ND	ND	3/16/09	ND	ND
			Methylene Chloride	5/16/08	99000	340000	8/20/08	110,000	390,000	11/7/08	130,000	460,000	3/16/09	120,000	430,000
			Tetrachloroethene	5/16/08	ND	ND	8/20/08	10,000	71,000	11/7/08	9400	64,000	3/16/09	11,000	75,000
			Tetrahydrofuran	5/16/08	ND	ND	8/20/08	1400	4000	11/7/08	ND	ND	3/16/09	1500	4300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/16/08	68000	520000	8/20/08	74,000	570,000	11/7/08	80,000	610,000	3/16/09	96,000	730,000
			Trichloroethane[1,1,1-]	5/16/05	28000	1500000	8/20/08	300,000	1,700,000	11/7/08	420,000	2,300,000	3/16/09	440,000	2,400,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	64	63–65	Trichloroethene	5/16/08	74000	400000	8/20/08	100,000	570,000	11/7/08	120,000	640,000	3/16/09	140,000	720,000
			Trichlorofluoromethane	5/16/08	ND	ND	8/20/08	3,400	19,000	11/7/08	4,000	23,000	3/16/09	3,800	21,000
54-24239	25	24–26	Benzene	5/20/08	ND	ND	8/21/08	140	430	11/12/08	ND	ND	3/17/09	ND	ND
			Butanol[1-]	5/20/08	3800	12,000	8/21/08	ND	ND	11/12/08	ND	ND	3/17/09	ND	ND
			Carbon Tetrachloride	5/20/08	400	2,500	8/21/08	420	2600	11/12/08	550	3,500	3/17/09	700	4400
			Chloroform	5/20/08	1900	9200	8/21/08	2600	13,000	11/12/08	3000	14,000	3/17/09	2900	14,000
			Cyclohexane	5/20/08	1200	4000	8/21/08	ND	ND	11/12/08	ND	ND	3/17/09	ND	ND
			Dichlorodifluoromethane	5/20/08	ND	ND	8/21/08	180	890	11/12/08	310	1,500	3/17/09	270	1400
			Dichloroethane[1,1-]	5/20/08	2400	9800	8/21/08	3000	12,000	11/12/08	3500	14,000	3/17/09	3500	14,000
			Dichloroethane[1,2-]	5/20/08	840	3400	8/21/08	1200	5000	11/12/08	1300	5500	3/17/09	1200	5000
			Dichloroethene[1,1-]	5/20/08	3500	14,000	8/21/08	4100	16,000	11/12/08	19,000	75,000	3/17/09	4800	19,000
			Dichloropropane[1,2-]	5/20/08	1100	5200	8/21/08	1600	7500	11/12/08	1600	7200	3/17/09	1500	7000
			Tetrachloroethene	5/20/08	33,000	230,000	8/21/08	21,000	140,000	11/12/08	37,000	250,000	3/17/09	35,000	240,000
			Toluene	5/20/08	360	1400	8/21/08	ND	ND	11/12/08	ND	ND	3/17/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/20/08	6000	46,000	8/21/08	6,200	48,000	11/12/08	6,200	48,000	3/17/09	6900	53,000
			Trichloroethane[1,1,1-]	5/20/08	74,000	400,000	8/21/08	69,000	370,000	11/12/08	100,000	560,000	3/17/09	96,000	520,000
			Trichloroethene	5/20/08	23,000	120,000	8/21/08	25,000	130,000	11/12/08	30,000	160,000	3/17/09	29,000	160,000
			Trichlorofluoromethane	5/20/08	620	3500	8/21/08	640	3600	11/12/08	870	4900	3/17/09	740	4200
	75	74–76	Benzene	5/20/08	ND	ND	8/21/08	250	790	11/12/08	ND	ND	3/17/09	ND	ND
			Carbon Tetrachloride	5/20/08	680	4300	8/21/08	510	3200	11/12/08	ND	ND	3/17/09	900	5600
			Chloroform	5/20/08	3100	15,000	8/21/08	3200	16,000	11/12/08	3,600	18,000	3/17/09	3,600	17,000
			Cyclohexane	5/20/08	2300	8000	8/21/08	ND	ND	11/12/08	ND	ND	3/17/09	ND	ND
			Dichlorodifluoromethane	5/20/08	ND	ND	8/21/08	240	1200	11/12/08	420	2100	3/17/09	390	1900
			Dichloroethane[1,1-]	5/20/08	3900	16,000	8/21/08	3600	14,000	11/12/08	4300	17,000	3/17/09	4200	17,000
			Dichloroethane[1,2-]	5/20/08	2600	11,000	8/21/08	2200	8900	11/12/08	2600	10,000	3/17/09	2400	9900
			Dichloroethene[1,1-]	5/20/08	6700	26,000	8/21/08	5500	22,000	11/12/08	23,000	92,000	3/17/09	6900	28,000
			Dichloropropane[1,2-]	5/20/08	1500	7100	8/21/08	1900	8900	11/12/08	1700	8000	3/17/09	2000	9000
			Methylene Chloride	5/20/08	1700	6000	8/21/08	ND	ND	11/12/08	ND	ND	3/17/09	ND	ND
			Tetrachloroethene	5/20/08	20,000	140,000	8/21/08	25,000	170,000	11/12/08	36,000	240,000	3/17/09	44,000	300,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-24239	75	74–76	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/20/08	11,000	88,000	8/21/08	9000	69,000	11/12/08	8600	66,000	3/17/09	9700	74,000
			Trichloroethane[1,1,1-]	5/20/08	140,000	750,000	8/21/08	94,000	510,000	11/12/08	140,000	760,000	3/17/09	130,000	720,000
			Trichloroethene	5/20/08	28,000	150,000	8/21/08	33,000	180,000	11/12/08	37,000	200,000	3/17/09	41,000	220,000
			Trichlorofluoromethane	5/20/08	1400	7800	8/21/08	960	5400	11/12/08	1200	6900	3/17/09	1100	6100
54-24240	28	27–29	Acetone	6/16/08	4100	9600	8/22/08	ND	ND	11/10/08	ND	ND	3/14/09	ND	ND
			Carbon Tetrachloride	6/16/08	ND	ND	8/22/08	ND	ND	11/10/08	ND	ND	3/14/09	1200	7800
			Chloroform	6/16/08	2200	11,000	8/22/08	2200	11,000	11/10/08	4100	20,000	3/14/09	ND	ND
			Dichlorodifluoromethane	6/16/08	3100	15,000	8/22/08	2300	12,000	11/10/08	4500	22,000	3/14/09	3100	15,000
			Dichloroethane[1,1-]	6/16/08	13,000	54,000	8/22/08	14,000	55,000	11/10/08	22,000	91,000	3/14/09	21,000	85,000
			Dichloroethane[1,2-]	6/16/08	83,000	340,000	8/22/08	81,000	330,000	11/10/08	180,000	750,000	3/14/09	160,000	630,000
			Dichloroethene[1,1-]	6/16/08	12,000	49,000	8/22/08	2,100	8500	11/10/08	74,000	290,000	3/14/09	ND	ND
			Dichloropropane[1,2-]	6/16/08	ND	ND	8/22/08	ND	ND	11/10/08	680	3100	3/14/09	ND	ND
			Methylene Chloride	6/16/08	3400	12,000	8/22/08	2000	7100	11/10/08	12,000	41,000	3/14/09	4300	15,000
			Tetrachloroethene	6/16/08	32,000	220,000	8/22/08	36,000	240,000	11/10/08	60,000	410,000	3/14/09	47,000	320,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/16/08	7600	58,000	8/22/08	8100	62,000	11/10/08	10,000	80,000	3/14/09	10,000	79,000
			Trichloroethane[1,1,1-]	6/16/08	240,000	1,300,000	8/22/08	220,000	1,200,000	11/10/08	410,000	2,300,000	3/14/09	ND	ND
			Trichloroethene	6/16/08	110,000	580,000	8/22/08	120,000	670,000	11/10/08	220,000	1,200,000	3/14/09	190,000	1,000,000
			Trichlorofluoromethane	6/16/08	3500	20,000	8/22/08	3200	18,000	11/10/08	5800	33,000	3/14/09	4200	24,000
	53	52–54	Acetone	6/16/08	8400	20,000	8/22/08	ND	ND	11/10/08	ND	ND	3/14/09	ND	ND
			Benzene	6/16/08	ND	ND	8/22/08	750	2400	11/10/08	ND	ND	3/14/09	680	2200
			Carbon Tetrachloride	6/16/08	1300	8200	8/22/08	970	6100	11/10/08	1200	7800	3/14/09	1400	9100
			Chloroform	6/16/08	7400	36,000	8/22/08	5700	28,000	11/10/08	6700	32,000	3/14/09	7,800	38,000
			Dichlorodifluoromethane	6/16/08	8500	42,000	8/22/08	4500	22,000	11/10/08	4700	23,000	3/14/09	4,200	21,000
			Dichloroethane[1,1-]	6/16/08	21,000	86,000	8/22/08	16,000	63,000	11/10/08	16,000	66,000	3/14/09	20,000	81,000
			Dichloroethane[1,2-]	6/16/08	160,000	650,000	8/22/08	110,000	460,000	11/10/08	120,000	470,000	3/14/09	ND	ND
			Dichloroethene[1,1-]	6/16/08	27,000	110,000	8/22/08	3,000	12,000	11/10/08	52,000	200,000	3/14/09	ND	ND
			Dichloropropane[1,2-]	6/16/08	ND	ND	8/22/08	840	3900	11/10/08	1,000	4700	3/14/09	970	4500
			Hexane	6/16/08	ND	ND	8/22/08	560	2000	11/10/08	ND	ND	3/14/09	ND	ND
			Methylene Chloride	6/16/08	61,000	210,000	8/22/08	36,000	120,000	11/10/08	29,000	100,000	3/14/09	23,000	79,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-24240	53	52–54	Tetrachloroethene	6/16/08	40,000	270,000	8/22/08	31,000	210,000	11/10/08	37,000	250,000	3/14/09	36,000	240,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/16/08	13,000	97,000	8/22/08	10,000	78,000	11/10/08	9,400	72,000	3/14/09	12,000	92,000
			Trichloroethane[1,1,1-]	6/16/08	420,000	2,300,000	8/22/08	230,000	1,300,000	11/10/08	320,000	1,700,000	3/14/09	430,000	2,300,000
			Trichloroethene	6/16/08	160,000	860,000	8/22/08	100,000	570,000	11/10/08	130,000	710,000	3/14/09	160,000	850,000
			Trichlorofluoromethane	6/16/08	9300	52,000	8/22/08	5800	32,000	11/10/08	5300	30,000	3/14/09	5100	29,000
	128	127–129	Benzene	6/16/08	ND	ND	8/22/08	260	850	11/10/08	ND	ND	3/14/09	ND	ND
			Carbon Tetrachloride	6/16/08	ND	ND	8/22/08	290	1800	11/10/08	ND	ND	3/14/09	630	3900
			Chloroform	6/16/08	1900	9400	8/22/08	1500	7300	11/10/08	1300	6600	3/14/09	ND	ND
			Dichlorodifluoromethane	6/16/08	1700	8200	8/22/08	1000	5200	11/10/08	1200	6000	3/14/09	ND	ND
			Dichloroethane[1,1-]	6/16/08	7500	30,000	8/22/08	6400	26,000	11/10/08	6000	24000	3/14/09	ND	ND
			Dichloroethane[1,2-]	6/16/08	15,000	60,000	8/22/08	10,000	42,000	11/10/08	7800	32,000	3/14/09	ND	ND
			Dichloroethene[1,1-]	6/16/08	21,000	82,000	8/22/08	4900	20,000	11/10/08	33,000	130,000	3/14/09	ND	ND
			Dichloropropane[1,2-]	6/16/08	ND	ND	8/22/08	870	4000	11/10/08	600	2800	3/14/09	900	4200
			Methylene Chloride	6/16/08	5800	20,000	8/22/08	3,000	10,000	11/10/08	1500	5200	3/14/09	3900	13,000
			Tetrachloroethene	6/16/08	13,000	86,000	8/22/08	11,000	73,000	11/10/08	8,800	60,000	3/14/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/16/08	5,00	44,000	8/22/08	4500	34,000	11/10/08	4300	33,000	3/14/09	4700	36,000
			Trichloroethane[1,1,1-]	6/16/08	220,000	1,200,000	8/22/08	140,000	770,000	11/10/08	170,000	950,000	3/14/09	ND	ND
			Trichloroethene	6/16/08	49,000	260,000	8/22/08	42,000	220,000	11/10/08	45,000	240,000	3/14/09	ND	ND
			Trichlorofluoromethane	6/16/08	1600	8, 00	8/22/08	960	5400	11/10/08	1,00	6400	3/14/09	ND	ND
	153	152–154	Acetone	6/16/08	5400	13,000	8/22/08	ND	ND	11/10/08	ND	ND	3/14/09	ND	ND
			Carbon Tetrachloride	6/16/08	ND	ND	8/22/08	ND	ND	11/10/08	ND	ND	3/14/09	480	3000
			Chloroform	6/16/08	1700	8400	8/22/08	1000	5000	11/10/08	1000	5200	3/14/09	ND	ND
			Dichlorodifluoromethane	6/16/08	1400	7100	8/22/08	630	3100	11/10/08	1,000	5000	3/14/09	ND	ND
			Dichloroethane[1,1-]	6/16/08	6400	26,000	8/22/08	4400	18,000	11/10/08	4800	19,000	3/14/09	ND	ND
			Dichloroethane[1,2-]	6/16/08	12,000	47,000	8/22/08	4000	16,000	11/10/08	3600	14,000	3/14/09	ND	ND
			Dichloroethene[1,1-]	6/16/08	21,000	84,000	8/22/08	5200	20,000	11/10/08	29,000	120,000	3/14/09	ND	ND
			Dichloropropane[1,2-]	6/16/08	ND	ND	8/22/08	560	2600	11/10/08	420	1900	3/14/09	580	2700
			Methylene Chloride	6/16/08	2700	9500	8/22/08	400	1400	11/10/08	320	1100	3/14/09	ND	ND
			Tetrachloroethene	6/16/08	11,000	75,000	8/22/08	6900	47,000	11/10/08	6400	44,000	3/14/09	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-24240	153	152–154	Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/16/08	5900	45,000	8/22/08	3700	28,000	11/10/08	3800	30,000	3/14/09	4100	32,000
			Trichloroethane[1,1,1-]	6/16/08	210,000	1,200,000	8/22/08	120,000	680,000	11/10/08	140,000	790,000	3/14/09	ND	ND
			Trichloroethene	6/16/08	48,000	260,000	8/22/08	35,000	190,000	11/10/08	36,000	190,000	3/14/09	ND	ND
			Trichlorofluoromethane	6/16/08	1400	8000	8/22/08	ND	ND	11/10/08	980	5500	3/14/09	ND	ND
54-24241	73	71–74	Benzene	5/20/08	ND	ND	8/15/08	590	1900	11/10/08	ND	ND	3/16/09	500	1600
			Carbon Tetrachloride	5/20/08	1800	11,000	8/15/08	3600	23,000	11/10/08	3800	24,000	3/16/09	4200	26,000
			Chloroform	5/20/08	4600	22,000	8/15/08	6800	33,000	11/10/08	8100	39,000	3/16/09	7000	34,000
			Cyclohexane	5/20/08	3800	13,000	8/15/08	ND	ND	11/10/08	ND	ND	3/16/09	ND	ND
			Dichloroethane[1,1-]	5/20/08	7200	29,000	8/15/08	10,000	42,000	11/10/08	11,000	46,000	3/16/09	11,000	46,000
			Dichloroethane[1,2-]	5/20/08	4400	18,000	8/15/08	6700	27,000	11/10/08	7,600	31,000	3/16/09	7600	31,000
			Dichloroethene[1,1-]	5/20/08	,700	31,000	8/15/08	6300	25,000	11/10/08	46,000	180,000	3/16/09	7400	29,000
			Dichloropropane[1,2-]	5/20/08	3500	16,000	8/15/08	6700	31,000	11/10/08	7000	32,000	3/16/09	6700	31,000
			Methylene Chloride	5/20/08	1600	5400	8/15/08	810	2800	11/10/08	ND	ND	3/16/09	1300	4400
			Tetrachloroethene	5/20/08	7400	50,000	8/15/08	22,000	150,000	11/10/08	23,000	160,000	3/16/09	19,000	130,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/20/08	22,000	170,000	8/15/08	26,000	200,000	11/10/08	23,000	180,000	3/16/09	24,000	180,000
			Trichloroethane[1,1,1-]	5/20/08	220,000	1,200,000	8/15/08	230,000	1,200,000	11/10/08	300,000	1,700,000	3/16/09	250,000	1,400,000
			Trichloroethene	5/20/08	36,000	200,000	8/15/08	61,000	330,000	11/10/08	69,000	370,000	3/16/09	60,000	320,000
			Trichlorofluoromethane	5/20/08	1900	11,000	8/15/08	ND	ND	11/10/08	2100	12,000	3/16/09	1600	8800
	113	112–114	Benzene	5/20/08	ND	ND	8/15/08	270	850	11/10/08	ND	ND	3/16/09	ND	ND
			Carbon Tetrachloride	5/20/08	1200	7500	8/15/08	1300	7900	11/10/08	1200	7300	3/16/09	1400	9000
			Chloroform	5/20/08	3800	19,000	8/15/08	4200	21,000	11/10/08	5500	27,000	3/16/09	4400	21,000
			Cyclohexane	5/20/08	3200	11,000	8/15/08	ND	ND	11/10/08	ND	ND	3/16/09	ND	ND
			Dichlorodifluoromethane	5/20/08	ND	ND	8/15/08	250	1200	11/10/08	460	2300	3/16/09	330	1600
			Dichloroethane[1,1-]	5/20/08	4200	17,000	8/15/08	5500	22,000	11/10/08	6900	28,000	3/16/09	5,800	23,000
			Dichloroethane[1,2-]	5/20/08	3600	14,000	8/15/08	3700	15,000	11/10/08	5000	20,000	3/16/09	4,300	17,000
			Dichloroethene[1,1-]	5/20/08	9400	37,000	8/15/08	6500	26,000	11/10/08	33,000	130,000	3/16/09	7,000	28,000
			Dichloropropane[1,2-]	5/20/08	2800	13,000	8/15/08	4400	20,000	11/10/08	4800	22,000	3/16/09	4,500	21,000
			Methylene Chloride	5/20/08	ND	ND	8/15/08	ND	ND	11/10/08	ND	ND	3/16/09	320	1,100
			Propanol[2-]	5/20/08	11,000	27,000	8/15/08	ND	ND	11/10/08	ND	ND	3/16/09	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-24241	113	112–114	Tetrachloroethene	5/20/08	12,000	85,000	8/15/08	16,000	110,000	11/10/08	19,000	130,000	3/16/09	15,000	100,000
			Toluene	5/20/08	790	3000	8/15/08	ND	ND	11/10/08	ND	ND	3/16/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/20/08	20,000	150,000	8/15/08	18,000	140,000	11/10/08	19,000	140,000	3/16/09	16,000	120,000
			Trichloroethane[1,1,1-]	5/20/08	180,000	960,000	8/15/08	130,000	740,000	11/10/08	210,000	1,100,000	3/16/09	160,000	860,000
			Trichloroethene	5/20/08	40,000	210,000	8/15/08	42,000	230,000	11/10/08	55,000	300,000	3/16/09	44,000	240,000
			Trichlorofluoromethane	5/20/08	2400	13,000	8/15/08	1500	8700	11/10/08	2200	12,000	3/16/09	1500	8600
	133	132–134	Benzene	5/20/08	ND	ND	8/15/08	300	970	11/10/08	300	970	3/16/09	260	820
			Carbon Tetrachloride	5/20/08	880	5500	8/15/08	1000	6300	11/10/08	1300	8400	3/16/09	1100	7200
			Chloroform	5/20/08	3,100	15,000	8/15/08	3800	18,000	11/10/08	4400	22,000	3/16/09	4000	20,000
			Cyclohexane	5/20/08	2,400	8200	8/15/08	ND	ND	11/10/08	ND	ND	3/16/09	ND	ND
			Dichlorodifluoromethane	5/20/08	ND	ND	8/15/08	280	1400	11/10/08	560	2700	3/16/09	380	1900
			Dichloroethane[1,1-]	5/20/08	3300	13,000	8/15/08	4100	16,000	11/10/08	4400	18,000	3/16/09	4400	18,000
			Dichloroethane[1,2-]	5/20/08	2800	11,000	8/15/08	3100	12,000	11/10/08	3,500	14,000	3/16/09	3500	14,000
			Dichloroethene[1,1-]	5/20/08	8200	33,000	8/15/08	7000	28,000	11/10/08	30,000	120,000	3/16/09	8300	33,000
			Dichloropropane[1,2-]	5/20/08	1600	7400	8/15/08	3200	14,000	11/10/08	3,000	14,000	3/16/09	3300	15,000
			Methylene Chloride	5/20/08	1400	5000	8/15/08	ND	ND	11/10/08	ND	ND	3/16/09	ND	ND
			Propanol[2-]	5/20/08	4800	12,000	8/15/08	ND	ND	11/10/08	ND	ND	3/16/09	ND	ND
			Tetrachloroethene	5/20/08	4600	31,000	8/15/08	15,000	100,000	11/10/08	15,000	99,000	3/16/09	14,000	96,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/20/08	14,000	110,000	8/15/08	16,000	120,000	11/10/08	16,000	120,000	3/16/09	15,000	120,000
			Trichloroethane[1,1,1-]	5/20/08	130,000	720,000	8/15/08	120,000	640,000	11/10/08	160,000	860,000	3/16/09	140,000	780,000
			Trichloroethene	5/20/08	25,000	130,000	8/15/08	39,000	210,000	11/10/08	45,000	240,000	3/16/09	42,000	230,000
			Trichlorofluoromethane	5/20/08	2000	11,000	8/15/08	,700	9600	11/10/08	2500	14,000	3/16/09	1800	10,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-24242	25	24–26	Benzene	5/21/08	ND	ND	8/21/08	120	380	11/10/08	ND	ND	3/17/09	ND	ND
			Carbon Tetrachloride	5/21/08	580	3600	8/21/08	340	2200	11/10/08	520	3,300	3/17/09	520	3200
			Chloroform	5/21/08	2700	13,000	8/21/08	2200	11,000	11/10/08	2500	12,000	3/17/09	2100	10,000
			Cyclohexane	5/21/08	1800	6000	8/21/08	ND	ND	11/10/08	ND	ND	3/17/09	ND	ND
			Dichlorodifluoromethane	5/21/08	ND	ND	8/21/08	120	570	11/10/08	180	900	3/17/09	130	640
			Dichloroethane[1,1-]	5/21/08	3400	14,000	8/21/08	2,500	10,000	11/10/08	3000	12,000	3/17/09	2600	10,000
			Dichloroethane[1,2-]	5/21/08	,300	5400	8/21/08	800	3200	11/10/08	1000	4200	3/17/09	770	3100
			Dichloroethene[1,1-]	5/21/08	5400	21,000	8/21/08	3100	12,000	11/10/08	15,000	61,000	3/17/09	2,900	11,000
			Dichloropropane[1,2-]	5/21/08	1300	6000	8/21/08	1600	7400	11/10/08	1700	7900	3/17/09	1400	6300
			Propanol[2-]	5/21/08	5100	12,000	8/21/08	ND	ND	11/10/08	ND	ND	3/17/09	ND	ND
			Tetrachloroethene	5/21/08	15,000	99,000	8/21/08	44,000	300,000	11/10/08	89,000	600,000	3/17/09	56,000	380,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/21/08	8000	61,000	8/21/08	5300	41,000	11/10/08	4900	38,000	3/17/09	4400	34,000
			Trichloroethane[1,1,1-]	5/21/08	110,000	610,000	8/21/08	60,000	330,000	11/10/08	84,000	460,000	3/17/09	65,000	350,000
			Trichloroethene	5/21/08	24,000	130,000	8/21/08	27,000	140,000	11/10/08	37,000	200,000	3/17/09	27,000	140,000
			Trichlorofluoromethane	5/21/08	880	4900	8/21/08	500	2,800	11/10/08	630	3600	3/17/09	450	2500
	50	49–51	Benzene	5/21/08	ND	ND	8/21/08	310	990	11/10/08	400	1300	3/17/09	360	1200
			Carbon Tetrachloride	5/21/08	650	4,100	8/21/08	510	3200	11/10/08	1000	6500	3/17/09	1100	7000
			Chloroform	5/21/08	3200	15,000	8/21/08	3100	15,000	11/10/08	4800	23,000	3/17/09	4400	22,000
			Cyclohexane	5/21/08	2200	7700	8/21/08	ND	ND	11/10/08	ND	ND	3/17/09	ND	ND
			Dichlorodifluoromethane	5/21/08	ND	ND	8/21/08	200	1,000	11/10/08	460	2,300	3/17/09	410	2000
			Dichloroethane[1,1-]	5/21/08	3900	16,000	8/21/08	3,200	13,000	11/10/08	5,300	21,000	3/17/09	5,000	20,000
			Dichloroethane[1,2-]	5/21/08	2200	9000	8/21/08	2500	10,000	11/10/08	4,000	16,000	3/17/09	3,600	14,000
			Dichloroethene[1,1-]	5/21/08	6900	27,000	8/21/08	4900	20,000	11/10/08	34,000	130,000	3/17/09	8,200	32,000
			Dichloropropane[1,2-]	5/21/08	1400	6600	8/21/08	2200	10,000	11/10/08	2700	12,000	3/17/09	2700	13,000
			Methylene Chloride	5/21/08	ND	ND	8/21/08	1100	3800	11/10/08	1,600	5700	3/17/09	1000	3600
			Propanol[2-]	5/21/08	3,000	7400	8/21/08	ND	ND	11/10/08	ND	ND	3/17/09	ND	ND
			Tetrachloroethene	5/21/08	16,000	110,000	8/21/08	25,000	170,000	11/10/08	50,000	340,000	3/17/09	51,000	340,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-24242	50	49–51	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/21/08	9800	75,000	8/21/08	9700	74,000	11/10/08	13,000	99,000	3/17/09	13,000	100,000
			Trichloroethane[1,1,1-]	5/21/08	140,000	760,000	8/21/08	88,000	480,000	11/10/08	170,000	910,000	3/17/09	160,000	900,000
			Trichloroethene	5/21/08	28,000	150,000	8/21/08	31,000	170,000	11/10/08	50,000	270,000	3/17/09	50,000	270,000
			Trichlorofluoromethane	5/21/08	1200	6800	8/21/08	930	5200	11/10/08	1700	9600	3/17/09	1400	8200
54-24243	25	24–26	Carbon Tetrachloride	6/3/08	600	3800	8/6/08	400	2500	11/14/08	570	3600	3/19/09	900	5600
			Chloroform	6/3/08	3600	17,000	8/6/08	3600	17,000	11/14/08	4900	24,000	3/19/09	4400	21,000
			Cyclohexane	6/3/08	3100	10,000	8/6/08	ND	ND	11/14/08	ND	ND	3/19/09	ND	ND
			Dichlorodifluoromethane	6/3/08	260	1300	8/6/08	ND	ND	11/14/08	350	1700	3/19/09	410	2000
			Dichloroethane[1,1-]	6/3/08	5200	21,000	8/6/08	4500	18,000	11/14/08	6000	24,000	3/19/09	6000	24,000
			Dichloroethane[1,2-]	6/3/08	1400	5700	8/6/08	1800	7100	11/14/08	2900	12,000	3/19/09	3300	13,000
			Dichloroethene[1,1-]	6/3/08	38,000	150,000	8/6/08	3200	12,000	11/14/08	19,000	76,000	3/19/09	4900	19,000
			Dichloropropane[1,2-]	6/3/08	8800	41,000	8/6/08	10,000	46,000	11/14/08	12,000	55,000	3/19/09	11,000	50,000
			Tetrachloroethene	6/3/08	3200	21,000	8/6/08	3400	23,000	11/14/08	4100	28,000	3/19/09	3600	24,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/3/08	29,000	220,000	8/6/08	26,000	200,000	11/14/08	33,000	250,000	3/19/09	39,000	300,000
			Trichloroethane[1,1,1-]	6/3/08	140,000	760,000	8/6/08	120,000	640,000	11/14/08	210,000	1100,000	3/19/09	170,000	940,000
			Trichloroethene	6/3/08	40,000	220,000	8/6/08	38,000	200,000	11/14/08	49,000	260,000	3/19/09	48,000	260,000
			Trichlorofluoromethane	6/3/08	1300	7200	8/6/08	1000	5900	11/14/08	1600	8800	3/19/09	1400	7800
	75	74–76	Benzene	6/3/08	330	1100	8/6/08	ND	ND	11/14/08	ND	ND	3/19/09	ND	ND
			Carbon Tetrachloride	6/3/08	1000	6600	8/6/08	560	3,600	11/14/08	ND	ND	3/19/09	1300	8200
			Chloroform	6/3/08	5900	29,000	8/6/08	5,200	25,000	11/14/08	7300	36,000	3/19/09	7300	36,000
			Cyclohexane	6/3/08	5400	18,000	8/6/08	ND	ND	11/14/08	ND	ND	3/19/09	ND	ND
			Dichlorodifluoromethane	6/3/08	430	2100	8/6/08	ND	ND	11/14/08	500	2500	3/19/09	650	3200
			Dichloroethane[1,1-]	6/3/08	7200	29,000	8/6/08	5,500	22,000	11/14/08	7200	29,000	3/19/09	8100	33,000
			Dichloroethane[1,2-]	6/3/08	2800	11,000	8/6/08	2,500	10,000	11/14/08	3500	14,000	3/19/09	3100	12,000
			Dichloroethene[1,1-]	6/3/08	60,000	240,000	8/6/08	5,800	23,000	11/14/08	30,000	120,000	3/19/09	10,000	40,000
			Dichloropropane[1,2-]	6/3/08	23,000	100,000	8/6/08	21,000	99,000	11/14/08	24,000	110,000	3/19/09	26,000	120,000
			Methylene Chloride	6/3/08	2,500	8,600	8/6/08	1,400	4,800	11/14/08	1,500	5,300	3/19/09	1,600	5700
			Tetrachloroethene	6/3/08	4000	27,000	8/6/08	4300	29,000	11/14/08	5200	35,000	3/19/09	5,000	34,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-24243	75	74–76	Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/3/08	51,000	390,000	8/6/08	41,000	310,000	11/14/08	51,000	390,000	3/19/09	62,000	470,000
			Trichloroethane[1,1,1-]	6/3/08	240,000	1,300,000	8/6/08	180,000	980,000	11/14/08	300,000	1,600,000	3/19/09	290,000	1,600,000
			Trichloroethene	6/3/08	64,000	340,000	8/6/08	57,000	310,000	11/14/08	72,000	390,000	3/19/09	77,000	420,000
			Trichlorofluoromethane	6/3/08	2700	15,000	8/6/08	1900	11,000	11/14/08	2800	16,000	3/19/09	2700	15,000
	125	124–126	Benzene	6/3/08	580	1900	8/6/08	590	1900	11/14/08	570	1800	3/19/09	680	2200
			Carbon Tetrachloride	6/3/08	950	6,000	8/6/08	620	3900	11/14/08	1000	6300	3/19/09	1100	7200
			Chloroform	6/3/08	5500	27,000	8/6/08	4800	23,000	11/14/08	6200	30,000	3/19/09	6600	32,000
			Cyclohexane	6/3/08	4000	14,000	8/6/08	ND	ND	11/14/08	ND	ND	3/19/09	ND	ND
			Dichlorodifluoromethane	6/3/08	440	2200	8/6/08	240	1200	11/14/08	470	2300	3/19/09	560	2800
			Dichloroethane[1,1-]	6/3/08	4800	20,000	8/6/08	4000	16,000	11/14/08	5200	21,000	3/19/09	6000	24,000
			Dichloroethane[1,2-]	6/3/08	6000	24,000	8/6/08	5300	21,000	11/14/08	7000	28,000	3/19/09	7200	29,000
			Dichloroethene[1,1-]	6/3/08	61,000	240,000	8/6/08	8000	32,000	11/14/08	29,000	110,000	3/19/09	13,000	50,000
			Dichloropropane[1,2-]	6/3/08	14,000	66,000	8/6/08	13,000	62,000	11/14/08	15,000	68,000	3/19/09	18,000	85,000
			Ethanol	6/3/08	1200	2200	8/6/08	920	1700	11/14/08	ND	ND	3/19/09	ND	ND
			Methylene Chloride	6/3/08	12,000	41,000	8/6/08	9700	34,000	11/14/08	12,000	42,000	3/19/09	14,000	48,000
			Tetrachloroethene	6/3/08	5200	36,000	8/6/08	4800	33,000	11/14/08	5600	38,000	3/19/09	5900	40,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/3/08	32,000	250,000	8/6/08	26,000	200,000	11/14/08	30,000	230,000	3/19/09	40,000	300,000
			Trichloroethane[1,1,1-]	6/3/08	170,000	950,000	8/6/08	140,000	740,000	11/14/08	240,000	1,300,000	3/19/09	240,000	1,300,000
			Trichloroethene	6/3/08	58,000	310,000	8/6/08	45,000	240,000	11/14/08	59,000	320,000	3/19/09	70,000	370,000
			Trichlorofluoromethane	6/3/08	3400	19,000	8/6/08	2700	15,000	11/14/08	3900	22,000	3/19/09	3700	21,000
54-24399	550[c]	550–608[d]	Carbon Tetrachloride	6/16/08	9	55	9/3/08	23	140	12/2/08	ND	ND	3/22/09	ND	ND
			Chloroform	6/16/08	31	150	9/3/08	93	450	12/2/08	33	160	3/22/09	ND	ND
			Dichlorodifluoromethane	6/16/08	7	34	9/3/08	10	49	12/2/08	9	46	3/22/09	ND	ND
			Dichloroethane[1,1-]	6/16/08	48	190	9/3/08	160	630	12/2/08	52	210	3/22/09	10	41
			Dichloroethane[1,2-]	6/16/08	16	67	9/3/08	23	92	12/2/08	18	74	3/22/09	ND	ND
			Dichloroethene[1,1-]	6/16/08	94	370	9/3/08	ND	ND	12/2/08	ND	ND	3/22/09	19	74
			Dichloropropane[1,2-]	6/16/08	15	69	9/3/08	46	210	12/2/08	18	84	3/22/09	ND	ND
			Methylene Chloride	6/16/08	9	31	9/3/08	11	37	12/2/08	10	35	3/22/09	8	29
			Tetrachloroethene	6/16/08	140	980	9/3/08	ND	ND	12/2/08	ND	ND	3/22/09	24	160

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-24399	550[d]	550–608[e]	Toluene	6/16/08	ND	ND	9/3/08	ND	ND	12/2/08	ND	ND	3/22/09	24	91
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/16/08	120	920	9/3/08	380	2900	12/2/08	110	820	3/22/09	23	180
			Trichloroethane[1,1,1-]	6/16/08	1100	6000	9/3/08	ND	ND	12/2/08	ND	ND	3/22/09	180	990
			Trichloroethene	6/16/08	300	1600	9/3/08	ND	ND	12/2/08	ND	ND	3/22/09	62	330
			Trichlorofluoromethane	6/16/08	12	67	9/3/08	24	140	12/2/08	ND	ND	3/22/09	ND	ND
54-27641	32	29.5–34.5	Carbon Tetrachloride	5/16/08	ND	ND	8/22/08	300	1900	11/10/08	ND	ND	3/13/09	ND	ND
			Chloroform	5/16/08	990	4800	8/22/08	1000	5,000	11/10/08	1,200	6000	3/13/09	1400	6900
			Cyclohexane	5/16/08	4100	14,000	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND
			Dichlorodifluoromethane	5/16/08	3700	18,000	8/22/08	1800	9000	11/10/08	1900	9300	3/13/09	1800	8,900
			Dichloroethane[1,1-]	5/16/08	12,000	47,000	8/22/08	10,000	41,000	11/10/08	11,000	43,000	3/13/09	14,000	58,000
			Dichloroethane[1,2-]	5/16/08	21,000	84,000	8/22/08	25,000	100,000	11/10/08	30,000	120,000	3/13/09	32,000	130,000
			Dichloroethene[1,1-]	5/16/08	3000	12,000	8/22/08	2300	9100	11/10/08	37,000	150,000	3/13/09	4300	17,000
			Dichloropropane[1,2-]	5/16/08	ND	ND	8/22/08	530	2500	11/10/08	500	2300	3/13/09	ND	ND
			Methylene Chloride	5/16/08	7500	26,000	8/22/08	5200	18,000	11/10/08	5400	19,000	3/13/09	3900	14,000
			Propanol[2-]	5/16/08	6200	15,000	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND
			Tetrachloroethene	5/16/08	8600	58,000	8/22/08	22,000	150,000	11/10/08	25,000	170,000	3/13/09	25,000	170,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/16/08	5900	45,000	8/22/08	5600	43,000	11/10/08	5,200	40,000	3/13/09	6,600	51,000
			Trichloroethane[1,1,1-]	5/16/08	230,000	1,300,000	8/22/08	160,000	880,000	11/10/08	200,000	1,100,000	3/13/09	380,000	2,100,000
			Trichloroethene	5/16/08	58,000	310,000	8/22/08	72,000	390,000	11/10/08	100,000	550,000	3/13/09	120,000	620,000
			Trichlorofluoromethane	5/16/08	2400	14,000	8/22/08	1800	9900	11/10/08	1900	11,000	3/13/09	1800	9900
	82	79.5–84.5	Benzene	5/16/08	ND	ND	8/22/08	240	780	11/10/08	ND	ND	3/13/09	ND	ND
			Carbon Tetrachloride	5/16/08	ND	ND	8/22/08	240	1500	11/10/08	ND	ND	3/13/09	ND	ND
			Chloroform	5/16/08	980	4800	8/22/08	1100	5200	11/10/08	1200	6,00	3/13/09	1200	5800
			Cyclohexane	5/16/08	3200	11,000	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND
			Dichlorodifluoromethane	5/16/08	2400	12,000	8/22/08	1500	7200	11/10/08	1700	8400	3/13/09	1800	9200
			Dichloroethane[1,1-]	5/16/08	7400	30,000	8/22/08	7300	30,000	11/10/08	800	33,000	3/13/09	7800	31,000
			Dichloroethane[1,2-]	5/16/08	15,000	60,000	8/22/08	18,000	71,000	11/10/08	21,000	84,000	3/13/09	17,000	71,000
			Dichloroethene[1,1-]	5/16/08	3000	12,000	8/22/08	2600	10,000	11/10/08	30,000	120,000	3/13/09	3700	15,000
			Dichloropropane[1,2-]	5/16/08	ND	ND	8/22/08	720	3300	11/10/08	750	3500	3/13/09	590	2700

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-27641	82	79.5–84.5	Hexane	5/16/08	ND	ND	8/22/08	350	1200	11/10/08	ND	ND	3/13/09	ND	ND
			Methylene Chloride	5/16/08	18,000	64,000	8/22/08	13,000	47,000	11/10/08	14,000	50,000	3/13/09	12,000	43,000
			Propanol[2-]	5/16/08	5500	14,000	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND
			Tetrachloroethene	5/16/08	8500	58,000	8/22/08	21,000	140,000	11/10/08	23,000	160,000	3/13/09	18,000	120,000
			Toluene	5/16/08	ND	ND	8/22/08	580	2200	11/10/08	510	1,900	3/13/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/16/08	3300	26,000	8/22/08	3700	29,000	11/10/08	3500	27,000	3/13/09	3800	29,000
			Trichloroethane[1,1,1-]	5/16/08	170,000	920,000	8/22/08	130,000	730,000	11/10/08	190,000	1,000,000	3/13/09	200,000	1,100,000
			Trichloroethene	5/16/08	24,000	130,000	8/22/08	38,000	210,000	11/10/08	47,000	250,000	3/13/09	43,000	230,000
			Trichlorofluoromethane	5/16/08	1700	9800	8/22/08	1300	7200	11/10/08	1500	8400	3/13/09	1500	8500
	115	112.5–117.5	Benzene	5/16/08	ND	ND	8/22/08	220	690	11/10/08	ND	ND	3/13/09	ND	ND
			Chloroform	5/16/08	990	4800	8/22/08	1000	5000	11/10/08	1100	5500	3/13/09	1300	6500
			Cyclohexane	5/16/08	3500	12,000	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND
			Dichlorodifluoromethane	5/16/08	1400	6900	8/22/08	1000	5200	11/10/08	1400	6700	3/13/09	1700	8600
			Dichloroethane[1,1-]	5/16/08	6700	27,000	8/22/08	6300	25,000	11/10/08	6900	28,000	3/13/09	7700	31,000
			Dichloroethane[1,2-]	5/16/08	10,000	42,000	8/22/08	12,000	49,000	11/10/08	14,000	56,000	3/13/09	14,000	58,000
			Dichloroethene[1,1-]	5/16/08	4200	17,000	8/22/08	3300	13,000	11/10/08	27,000	110,000	3/13/09	5100	20,000
			Dichloropropane[1,2-]	5/16/08	ND	ND	8/22/08	850	3,900	11/10/08	800	3700	3/13/09	ND	ND
			Methylene Chloride	5/16/08	10,000	35,000	8/22/08	7000	24,000	11/10/08	8200	28,000	3/13/09	8,300	29,000
			Propanol[2-]	5/16/08	4200	10,000	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND
			Tetrachloroethene	5/16/08	5000	34,000	8/22/08	13,000	89,000	11/10/08	12,000	84,000	3/13/09	14,000	95,000
			Toluene	5/16/08	ND	ND	8/22/08	250	960	11/10/08	ND	ND	3/13/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/16/08	3500	26,000	8/22/08	3200	24,000	11/10/08	2800	21,000	3/13/09	3600	28,000
			Trichloroethane[1,1,1-]	5/16/08	200,000	1,100,000	8/22/08	130,000	720,000	11/10/08	180,000	970,000	3/13/09	210,000	1,200,000
			Trichloroethene	5/16/08	24,000	130,000	8/22/08	34,000	180,000	11/10/08	37,000	200,000	3/13/09	44,000	240,000
			Trichlorofluoromethane	5/16/08	1200	6700	8/22/08	880	4900	11/10/08	1,100	6100	3/13/09	1200	6900
	182	179.5–184.5	Carbon Tetrachloride	5/16/08	120	760	8/22/08	ND	ND	11/10/08	250	1600	3/13/09	ND	ND
			Chloroform	5/16/08	120	600	8/22/08	630	3100	11/10/08	820	4000	3/13/09	850	4200
			Cyclohexane	5/16/08	500	1700	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND
			Dichlorodifluoromethane	5/16/08	330	1600	8/22/08	520	2600	11/10/08	850	4200	3/13/09	1200	5700

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-27641	182	179.5–184.5	Dichloroethane[1,1-]	5/16/08	420	1700	8/22/08	3100	13,000	11/10/08	3800	15,000	3/13/09	4300	18,000
			Dichloroethane[1,2-]	5/16/08	ND	ND	8/22/08	2300	9300	11/10/08	2,600	10,000	3/13/09	3100	12,000
			Dichloroethene[1,1-]	5/16/08	3000	12,000	8/22/08	4700	18,000	11/10/08	24,000	95,000	3/13/09	7200	28,000
			Dichloropropane[1,2-]	5/16/08	ND	ND	8/22/08	330	1500	11/10/08	300	1400	3/13/09	410	1900
			Methylene Chloride	5/16/08	510	1800	8/22/08	4800	17,000	11/10/08	6100	21,000	3/13/09	7200	25,000
			Tetrachloroethene	5/16/08	820	5600	8/22/08	3800	25,000	11/10/08	3400	23,000	3/13/09	3600	24,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/16/08	1600	12,000	8/22/08	2800	21,000	11/10/08	2900	22,000	3/13/09	3200	24,000
			Trichloroethane[1,1,1-]	5/16/08	24,000	130,000	8/22/08	100,000	550,000	11/10/08	140,000	770,000	3/13/09	160,000	880,000
			Trichloroethene	5/16/08	6600	36,000	8/22/08	28,000	150,000	11/10/08	28,000	150,000	3/13/09	33,000	180,000
			Trichlorofluoromethane	5/16/08	390	2200	8/22/08	ND	ND	11/10/08	850	4800	3/13/09	870	4900
	271	268.5–273.5	Carbon Tetrachloride	5/16/08	23	140	8/22/08	110	700	11/10/08	120	760	3/13/09	110	670
			Chloroform	5/16/08	8	40	8/22/08	130	630	11/10/08	ND	ND	3/13/09	140	670
			Cyclohexane	5/16/08	49	170	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND
			Dichlorodifluoromethane	5/16/08	68	330	8/22/08	300	1500	11/10/08	430	2100	3/13/09	570	2800
			Dichloroethane[1,1-]	5/16/08	20	83	8/22/08	490	2000	11/10/08	530	2100	3/13/09	580	2300
			Dichloroethene[1,1-]	5/16/08	620	2500	8/22/08	3200	13,000	11/10/08	6,500	26,000	3/13/09	3900	16,000
			Methylene Chloride	5/16/08	15	53	8/22/08	490	700	11/10/08	580	2000	3/13/09	640	2200
			Tetrachloroethene	5/16/08	100	690	8/22/08	1000	7000	11/10/08	860	5800	3/13/09	790	5300
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/16/08	490	3800	8/22/08	2000	15,000	11/10/08	1600	12,000	3/13/09	1800	14,000
			Trichloroethane[1,1,1-]	5/16/08	1900	10,000	8/22/08	20,000	110,000	11/10/08	25,000	140,000	3/13/09	30,000	170,000
			Trichloroethene	5/16/08	640	3500	8/22/08	6800	36,000	11/10/08	7100	38,000	3/13/09	7700	41,000
			Trichlorofluoromethane	5/16/08	120	680	8/22/08	400	2200	11/10/08	450	2500	3/13/09	450	2500
	332.5	330–335	Carbon Tetrachloride	5/16/08	ND	ND	8/22/08	20	120	11/10/08	24	150	3/13/09	25	160
			Chloroform	5/16/08	570	2800	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND
			Cyclohexane	5/16/08	2300	7800	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND
			Dichlorodifluoromethane	5/16/08	760	3,700	8/22/08	58	290	11/10/08	93	460	3/13/09	120	600
			Dichloroethane[1,1-]	5/16/08	3500	14,000	8/22/08	20	82	11/10/08	28	120	3/13/09	30	120
			Dichloroethane[1,2-]	5/16/08	2100	8400	8/22/08	ND	ND	11/10/08	ND	ND	3/13/09	ND	ND
			Dichloroethene[1,1-]	5/16/08	5800	23,000	8/22/08	510	2000	11/10/08	760	3000	3/13/09	770	3000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)	Date	Result (ppbv)	Result (µg/m³)
54-27641	332.5	330–335	Methylene Chloride	5/16/08	6200	22,000	8/22/08	14	48	11/10/08	21	73	3/13/09	23	81
			Tetrachloroethene	5/16/08	2400	16,000	8/22/08	110	760	11/10/08	110	750	3/13/09	110	740
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/16/08	2900	23,000	8/22/08	480	3700	11/10/08	550	4200	3/13/09	540	4200
			Trichloroethane[1,1,1-]	5/16/08	130,000	730,000	8/22/08	1600	8700	11/10/08	2,200	12,000	3/13/09	2300	12,000
			Trichloroethene	5/16/08	18,000	99,000	8/22/08	680	3600	11/10/08	760	4100	3/13/09	840	4500
			Trichlorofluoromethane	5/16/08	700	3900	8/22/08	100	560	11/10/08	120	700	3/13/09	140	790
54-27642	30	27.5–32.5	Carbon Tetrachloride	5/19/08	ND	ND	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	1300	8300
			Chloroform	5/19/08	5400	26,000	8/20/08	5600	27,000	11/6/08	6400	31,000	3/15/09	8,100	40,000
			Cyclohexane	5/19/08	9000	31,000	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Dichlorodifluoromethane	5/19/08	ND	ND	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	1000	5100
			Dichloroethane[1,1-]	5/19/08	11,000	44,000	8/20/08	11,000	44,000	11/6/08	13,000	53,000	3/15/09	16,000	65,000
			Dichloroethane[1,2-]	5/19/08	2,500	10,000	8/20/08	1900	7700	11/6/08	2600	10,000	3/15/09	4,200	17,000
			Dichloroethene[1,1-]	5/19/08	11,000	45,000	8/20/08	9400	37,000	11/6/08	130,000	520,000	3/15/09	17,000	68,000
			Dichloropropane[1,2-]	5/19/08	16,000	73,000	8/20/08	21,000	97,000	11/6/08	21,000	97,000	3/15/09	24,000	110,000
			Tetrachloroethene	5/19/08	4000	27,000	8/20/08	8,300	56,000	11/6/08	7,200	49,000	3/15/09	8,200	56,000
			Toluene	5/19/08	2200	8300	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/08	48,000	370,000	8/20/08	46,000	350,000	11/6/08	200,000	1,500,000	3/15/09	220,000	1,700,000
			Trichloroethane[1,1,1-]	5/19/08	610,000	3,300,000	8/20/08	500,000	2,800,000	11/6/08	630,000	3,400,000	3/15/09	800,000	4,400,000
			Trichloroethene	5/19/08	44,000	240,000	8/20/08	57,000	300,000	11/6/08	53,000	280,000	3/15/09	67,000	360,000
			Trichlorofluoromethane	5/19/08	2500	14,000	8/20/08	ND	ND	11/6/08	2300	13,000	3/15/09	2200	12,000
	75	71.5–76.5	Acetone	5/19/08	3600	8600	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Benzene	5/19/08	ND	ND	8/20/08	910	2900	11/6/08	1100	3400	3/15/09	760	2400
			Carbon Disulfide	5/19/08	1100	3400	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Carbon Tetrachloride	5/19/08	1100	6900	8/20/08	940	5900	11/6/08	1700	11,000	3/15/09	1500	9200
			Chloroform	5/19/08	7400	36,000	8/20/08	7300	36,000	11/6/08	11,000	52,000	3/15/09	7600	37,000
			Cyclohexane	5/19/08	5300	18,000	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Dichlorodifluoromethane	5/19/08	ND	ND	8/20/08	ND	ND	11/6/08	590	900	3/15/09	560	2800
			Dichloroethane[1,1-]	5/19/08	5700	23,000	8/20/08	5400	22,000	11/6/08	7900	32,000	3/15/09	6100	25,000
			Dichloroethane[1,2-]	5/19/08	7700	31,000	8/20/08	6,600	27,000	11/6/08	11,000	46,000	3/15/09	6,300	26,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	75	71.5–76.5	Dichloroethene[1,1-]	5/19/08	16,000	63,000	8/20/08	11,000	45,000	11/6/08	66,000	260,000	3/15/09	14,000	56,000
			Dichloropropane[1,2-]	5/19/08	17,000	77,000	8/20/08	22,000	99,000	11/6/08	32,000	150,000	3/15/09	22,000	100,000
			Methylene Chloride	5/19/08	7300	25,000	8/20/08	3400	12,000	11/6/08	5500	19,000	3/15/09	3200	11,000
			Propanol[2-]	5/19/08	8000	20,000	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Tetrachloroethene	5/19/08	4200	29,000	8/20/08	8400	57,000	11/6/08	12,000	83,000	3/15/09	7800	53,000
			Tetrahydrofuran	5/19/08	6400	19,000	8/20/08	8,500	25,000	11/6/08	ND	ND	3/15/09	9800	29,000
			Toluene	5/19/08	2200	8100	8/20/08	720	2700	11/6/08	1000	3900	3/15/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/08	42,000	320,000	8/20/08	35,000	270,000	11/6/08	42,000	320,000	3/15/09	43,000	330,000
			Trichloroethane[1,1,1-]	5/19/08	310,000	1,700,000	8/20/08	220,000	1,200,000	11/6/08	370,000	2,000,000	3/15/09	280,000	1,500,000
			Trichloroethene	5/19/08	58,000	310,000	8/20/08	64,000	340,000	11/6/08	100,000	550,000	3/15/09	69,000	370,000
			Trichlorofluoromethane	5/19/08	6100	34,000	8/20/08	4300	24,000	11/6/08	5900	33,000	3/15/09	4700	26,000
	116	114.5–119.5	Carbon Tetrachloride	5/19/08	ND	ND	8/20/08	980	6200	11/6/08	ND	ND	3/15/09	2000	13,000
			Chloroform	5/19/08	11,000	55,000	8/20/08	8200	40,000	11/6/08	10,000	49,000	3/15/09	9400	46,000
			Cyclohexane	5/19/08	9700	34,000	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Dichloroethane[1,1-]	5/19/08	13,000	52,000	8/20/08	9100	37,000	11/6/08	11,000	45,000	3/15/09	11,000	44,000
			Dichloroethane[1,2-]	5/19/08	9600	39,000	8/20/08	5700	23,000	11/6/08	6800	28,000	3/15/09	5600	23,000
			Dichloroethene[1,1-]	5/19/08	18,000	70,000	8/20/08	11,000	42,000	11/6/08	86,000	340,000	3/15/09	15,000	61,000
			Dichloropropane[1,2-]	5/19/08	40,000	180,000	8/20/08	35,000	160,000	11/6/08	36,000	170,000	3/15/09	37,000	170,000
			Methylene Chloride	5/19/08	ND	ND	8/20/08	1400	4900	11/6/08	1000	3500	3/15/09	960	3400
			Tetrachloroethene	5/19/08	13,000	88,000	8/20/08	10,000	70,000	11/6/08	10,000	68,000	3/15/09	10,000	71,000
			Tetrahydrofuran	5/19/08	5700	17,000	8/20/08	3500	10,000	11/6/08	ND	ND	3/15/09	3200	9500
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/08	74,000	570,000	8/20/08	52,000	400,000	11/6/08	82,000	630,000	3/15/09	120,000	950,000
			Trichloroethane[1,1,1-]	5/19/08	640,000	3,500,000	8/20/08	350,000	1,900,000	11/6/08	540,000	3,000,000	3/15/09	490,000	2,700,000
			Trichloroethene	5/19/08	100,000	560,000	8/20/08	77,000	420,000	11/6/08	84,000	450,000	3/15/09	85,000	460,000
			Trichlorofluoromethane	5/19/08	5300	30,000	8/20/08	3400	19,000	11/6/08	4,600	26,000	3/15/09	3900	22,000
	175	172.5–177.5	Acetone	5/19/08	3800	9000	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Benzene	5/19/08	1000	3200	8/20/08	1400	4300	11/6/08	1,200	4000	3/15/09	1500	4700
			Carbon Disulfide	5/19/08	800	2500	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Carbon Tetrachloride	5/19/08	1000	6500	8/20/08	910	5700	11/6/08	ND	ND	3/15/09	1500	9300

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	175	172.5–177.5	Chlorobenzene	5/19/08	ND	ND	8/20/08	320	1500	11/6/08	ND	ND	3/15/09	360	1700
			Chloroform	5/19/08	5200	26,000	8/20/08	5600	27,000	11/6/08	6900	34,000	3/15/09	7300	36,000
			Cyclohexane	5/19/08	2900	10,000	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Dichlorodifluoromethane	5/19/08	580	2900	8/20/08	450	2200	11/6/08	820	4000	3/15/09	800	4000
			Dichloroethane[1,1-]	5/19/08	2700	11,000	8/20/08	2600	11,000	11/6/08	3400	14,000	3/15/09	3800	15,000
			Dichloroethane[1,2-]	5/19/08	4100	17,000	8/20/08	3700	15,000	11/6/08	4800	20,000	3/15/09	4800	20,000
			Dichloroethene[1,1-]	5/19/08	16,000	62,000	8/20/08	12,000	49,000	11/6/08	39,000	150,000	3/15/09	18,000	74,000
			Dichloropropane[1,2-]	5/19/08	5700	26,000	8/20/08	7700	36,000	11/6/08	8,000	37,000	3/15/09	9400	43,000
			Ethanol	5/19/08	3200	6000	8/20/08	ND	ND	11/6/08	1900	3600	3/15/09	1600	3100
			Ethylbenzene	5/19/08	ND	ND	8/20/08	310	1300	11/6/08	ND	ND	3/15/09	310	1300
			Hexane	5/19/08	610	2200	8/20/08	600	2100	11/6/08	740	2600	3/15/09	740	2600
			Methylene Chloride	5/19/08	25,000	88,000	8/20/08	20,000	69,000	11/6/08	28,000	98,000	3/15/09	29,000	100,000
			Propanol[2-]	5/19/08	5600	14,000	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Tetrachloroethene	5/19/08	3000	21,000	8/20/08	5700	38,000	11/6/08	4600	31,000	3/15/09	6500	44,000
			Toluene	5/19/08	6100	23,000	8/20/08	6300	24,000	11/6/08	6200	23,000	3/15/09	6,100	23,000
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/08	29,000	220,000	8/20/08	26,000	200,000	11/6/08	26,000	200,000	3/15/09	36,000	280,000
			Trichloroethane[1,1,1-]	5/19/08	180,000	980,000	8/20/08	140,000	750,000	11/6/08	210,000	1,100,000	3/15/09	210,000	1,200,000
			Trichloroethene	5/19/08	44,000	240,000	8/20/08	47,000	250,000	11/6/08	51,000	280,000	3/15/09	64,000	340,000
			Trichlorofluoromethane	5/19/08	6300	35,000	8/20/08	5000	28,000	11/6/08	7000	40,000	3/15/09	6800	38,000
			Xylene[1,2-]	5/19/08	ND	ND	8/20/08	820	3600	11/6/08	580	2500	3/15/09	880	3800
			Xylene[1,3-]+Xylene[1,4-]	5/19/08	ND	ND	8/20/08	540	2400	11/6/08	430	1900	3/15/09	580	2500
	275	272.5–277.5	Benzene	5/19/08	520	1700	8/20/08	720	2300	11/6/08	700	2200	3/15/09	720	2300
			Carbon Tetrachloride	5/19/08	800	5000	8/20/08	620	3900	11/6/08	820	,200	3/15/09	850	5400
			Chloroform	5/19/08	2100	10,000	8/20/08	2100	10,000	11/6/08	2800	14,000	3/15/09	2400	12,000
			Cyclohexane	5/19/08	1300	4400	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Dichlorodifluoromethane	5/19/08	670	3300	8/20/08	450	2200	11/6/08	730	3600	3/15/09	670	3300
			Dichloroethane[1,1-]	5/19/08	790	3200	8/20/08	690	2800	11/6/08	1800	7300	3/15/09	910	3700
			Dichloroethane[1,2-]	5/19/08	ND	ND	8/20/08	120	470	11/6/08	3700	15,000	3/15/09	200	790
			Dichloroethene[1,1-]	5/19/08	16,000	63,000	8/20/08	11,000	44,000	11/6/08	25,000	100,000	3/15/09	14,000	57,000
			Dichloropropane[1,2-]	5/19/08	560	2600	8/20/08	690	3200	11/6/08	2900	13,000	3/15/09	880	4100

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	275	272.5–277.5	Hexane	5/19/08	810	2900	8/20/08	720	2500	11/6/08	760	2700	3/15/09	710	2500
			Methylene Chloride	5/19/08	9800	34,000	8/20/08	7100	25,000	11/6/08	9300	32,000	3/15/09	9500	33,000
			Propanol[2-]	5/19/08	1400	3400	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Tetrachloroethene	5/19/08	1100	7500	8/20/08	2200	15,000	11/6/08	2400	16,000	3/15/09	2200	15,000
			Toluene	5/19/08	1100	4000	8/20/08	1400	5100	11/6/08	1200	4500	3/15/09	1100	4100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/08	22,000	170,000	8/20/08	17,000	130,000	11/6/08	20,000	160,000	3/15/09	21,000	160,000
			Trichloroethane[1,1,1-]	5/19/08	74,000	400,000	8/20/08	51,000	280,000	11/6/08	87,000	480,000	3/15/09	71,000	390,000
			Trichloroethene	5/19/08	22,000	120,000	8/20/08	22,000	120,000	11/6/08	33,000	180,000	3/15/09	27,000	140,000
			Trichlorofluoromethane	5/19/08	4200	24,000	8/20/08	3100	18,000	11/6/08	4300	24,000	3/15/09	3900	22,000
	338	335.5–340.5	Benzene	5/19/08	140	460	8/20/08	180	580	11/6/08	170	550	3/15/09	200	640
			Carbon Tetrachloride	5/19/08	310	1900	8/20/08	240	1500	11/6/08	320	2000	3/15/09	320	2000
			Chloroform	5/19/08	270	1300	8/20/08	290	1400	11/6/08	380	1900	3/15/09	360	1800
			Cyclohexane	5/19/08	280	960	8/20/08	ND	ND	11/6/08	ND	ND	3/15/09	ND	ND
			Dichlorodifluoromethane	5/19/08	280	1400	8/20/08	200	980	11/6/08	330	1600	3/15/09	330	1600
			Dichloroethane[1,1-]	5/19/08	100	420	8/20/08	100	420	11/6/08	120	480	3/15/09	130	530
			Dichloroethane[1,2-]	5/19/08	ND	ND	8/20/08	19	77	11/6/08	ND	ND	3/15/09	ND	ND
			Dichloroethene[1,1-]	5/19/08	5700	22,000	8/20/08	4200	16,000	11/6/08	6100	24,000	3/15/09	6200	24,000
			Dichloropropane[1,2-]	5/19/08	ND	ND	8/20/08	82	380	11/6/08	33	150	3/15/09	33	150
			Hexane	5/19/08	320	1100	8/20/08	290	1000	11/6/08	280	1000	3/15/09	310	1100
			Methylene Chloride	5/19/08	830	2900	8/20/08	740	2600	11/6/08	1100	3800	3/15/09	1100	3900
			Tetrachloroethene	5/19/08	400	2700	8/20/08	440	3000	11/6/08	410	2800	3/15/09	440	3000
			Toluene	5/19/08	150	580	8/20/08	150	560	11/6/08	160	590	3/15/09	130	480
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	5/19/08	6400	49,000	8/20/08	4400	33,000	11/6/08	5600	43,000	3/15/09	6400	49,000
			Trichloroethane[1,1,1-]	5/19/08	14,000	77,000	8/20/08	10,000	56,000	11/6/08	17,000	92,000	3/15/09	15,000	84,000
			Trichloroethene	5/19/08	5900	32,000	8/20/08	4800	26,000	11/6/08	6500	35,000	3/15/09	6900	37,000
			Trichlorofluoromethane	5/19/08	980	5500	8/20/08	810	4500	11/6/08	970	5400	3/15/09	1100	6200
54-27643	30	27.5–32.5	Carbon Tetrachloride	6/4/08	400	2500	8/12/08	360	2300	11/21/08	340	2200	3/17/09	460	2900
			Chloroform	6/4/08	1900	9500	8/12/08	2000	9800	11/21/08	2400	12,000	3/17/09	2200	11,000
			Cyclohexane	6/4/08	1300	4600	8/12/08	ND	ND	11/21/08	ND	ND	3/17/09	ND	ND

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	30	27.5–32.5	Dichlorodifluoromethane	6/4/08	110	550	8/12/08	ND	ND	11/21/08	150	730	3/17/09	ND	ND
			Dichloroethane[1,1-]	6/4/08	1300	5200	8/12/08	1300	5300	11/21/08	1600	6400	3/17/09	1500	6000
			Dichloroethane[1,2-]	6/4/08	820	3300	8/12/08	850	3400	11/21/08	1000	4200	3/17/09	1000	4200
			Dichloroethene[1,1-]	6/4/08	16,000	63,000	8/12/08	1900	7600	11/21/08	14,000	55,000	3/17/09	1900	7700
			Dichloropropane[1,2-]	6/4/08	4600	21,000	8/12/08	4800	22,000	11/21/08	5600	26,000	3/17/09	5600	26,000
			Tetrachloroethene	6/4/08	3000	20,000	8/12/08	2900	19,000	11/21/08	3000	20,000	3/17/09	3600	24,000
			Toluene	6/4/08	ND	ND	8/12/08	400	1500	11/21/08	ND	ND	3/17/09	ND	ND
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/4/08	7300	56,000	8/12/08	8600	66,000	11/21/08	7400	57,000	3/17/09	12,000	93,000
			Trichloroethane[1,1,1-]	6/4/08	61,000	330,000	8/12/08	78,000	420,000	11/21/08	76,000	420,000	3/17/09	76,000	420,000
			Trichloroethene	6/4/08	13,000	69,000	8/12/08	13,000	70,000	11/21/08	14,000	76,000	3/17/09	14,000	75,000
			Trichlorofluoromethane	6/4/08	1200	6700	8/12/08	1100	6200	11/21/08	860	4800	3/17/09	1200	6600
	74	71.5–76.5	Benzene	6/4/08	230	750	8/12/08	ND	ND	11/21/08	330	1000	3/17/09	300	960
			Carbon Tetrachloride	6/4/08	500	3100	8/12/08	470	3000	11/21/08	440	2800	3/17/09	640	4000
			Chlorobenzene	6/4/08	160	740	8/12/08	ND	ND	11/21/08	190	900	3/17/09	210	950
			Chloroform	6/4/08	2600	13,000	8/12/08	3000	15,000	11/21/08	3100	15,000	3/17/09	3400	16,000
			Cyclohexane	6/4/08	1700	5800	8/12/08	ND	ND	11/21/08	ND	ND	3/17/09	ND	ND
			Dichlorodifluoromethane	6/4/08	160	800	8/12/08	ND	ND	11/21/08	220	1100	3/17/09	200	980
			Dichloroethane[1,1-]	6/4/08	1500	6000	8/12/08	1700	6800	11/21/08	1900	7600	3/17/09	1900	7700
			Dichloroethane[1,2-]	6/4/08	1900	7800	8/12/08	2300	9200	11/21/08	2300	9300	3/17/09	2500	10,000
			Dichloroethene[1,1-]	6/4/08	16,000	63,000	8/12/08	3700	15,000	11/21/08	19,000	75,000	3/17/09	3600	14,000
			Dichloropropane[1,2-]	6/4/08	6000	28,000	8/12/08	6800	31,000	11/21/08	6800	31,000	3/17/09	7700	35,000
			Ethanol	6/4/08	1300	2400	8/12/08	ND	ND	11/21/08	1300	2400	3/17/09	ND	ND
			Methylene Chloride	6/4/08	1900	6600	8/12/08	2100	7400	11/21/08	1900	6600	3/17/09	2000	7100
			Tetrachloroethene	6/4/08	3500	24,000	8/12/08	3600	24,000	11/21/08	3400	23,000	3/17/09	4400	30,000
			Tetrahydrofuran	6/4/08	6800	20,000	8/12/08	6900	20,000	11/21/08	6400	19,000	3/17/09	6900	20,000
			Toluene	6/4/08	390	1500	8/12/08	820	3100	11/21/08	420	1600	3/17/09	420	1600
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/4/08	9200	70,000	8/12/08	13,000	99,000	11/21/08	8800	68,000	3/17/09	12,000	94,000
			Trichloroethane[1,1,1-]	6/4/08	77,000	420,000	8/12/08	100,000	570,000	11/21/08	88,000	480,000	3/17/09	100,000	550,000
			Trichloroethene	6/4/08	18,000	97,000	8/12/08	20,000	110,000	11/21/08	20,000	110,000	3/17/09	22,000	120,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	74	71.5–76.5	Trichlorofluoromethane	6/4/08	1800	10,000	8/12/08	2300	13,000	11/21/08	1900	10,000	3/17/09	2100	12,000
			Xylene[1,2-]	6/4/08	310	1300	8/12/08	ND	ND	11/21/08	360	1500	3/17/09	370	1600
	117	114.5–119.5	Benzene	6/4/08	450	1400	8/12/08	450	1400	11/21/08	640	2000	3/17/09	500	1600
			Carbon Tetrachloride	6/4/08	580	3600	8/12/08	510	3200	11/21/08	460	2900	3/17/09	720	4500
			Chlorobenzene	6/4/08	210	970	8/12/08	ND	ND	11/21/08	220	1000	3/17/09	250	1100
			Chloroform	6/4/08	3600	17,000	8/12/08	3200	16,000	11/21/08	3600	17,000	3/17/09	3900	19,000
			Cyclohexane	6/4/08	2000	6700	8/12/08	ND	ND	11/21/08	ND	ND	3/17/09	ND	ND
			Dichlorodifluoromethane	6/4/08	250	1200	8/12/08	ND	ND	11/21/08	320	1600	3/17/09	270	1400
			Dichloroethane[1,1-]	6/4/08	1700	7000	8/12/08	1600	6600	11/21/08	1800	7200	3/17/09	1900	7700
			Dichloroethane[1,2-]	6/4/08	2800	11,000	8/12/08	2400	9600	11/21/08	2800	11,000	3/17/09	3000	12,000
			Dichloroethene[1,1-]	6/4/08	22,000	86,000	8/12/08	5000	20,000	11/21/08	21,000	85,000	3/17/09	5400	21,000
			Dichloropropane[1,2-]	6/4/08	6200	29,000	8/12/08	5200	24,000	11/21/08	6000	28,000	3/17/09	6900	32,000
			Ethanol	6/4/08	2000	3700	8/12/08	ND	ND	11/21/08	1700	3300	3/17/09	ND	ND
			Hexane	6/4/08	110	380	8/12/08	ND	ND	11/21/08	ND	ND	3/17/09	ND	ND
			Methylene Chloride	6/4/08	5500	19,000	8/12/08	5200	18,000	11/21/08	5200	18,000	3/17/09	5700	20,000
			Tetrachloroethene	6/4/08	3600	25,000	8/12/08	2700	18,000	11/21/08	3100	21,000	3/17/09	3800	26,000
			Tetrahydrofuran	6/4/08	690	2000	8/12/08	650	1900	11/21/08	570	1700	3/17/09	750	2200
			Toluene	6/4/08	1200	4600	8/12/08	1400	5100	11/21/08	1200	4400	3/17/09	1100	4100
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/4/08	13,000	100,000	8/12/08	14,000	110,000	11/21/08	10,000	77,000	3/17/09	14,000	110,000
			Trichloroethane[1,1,1-]	6/4/08	90,000	490,000	8/12/08	93,000	510,000	11/21/08	88,000	480,000	3/17/09	100,000	550,000
			Trichloroethene	6/4/08	24,000	130,000	8/12/08	22,000	120,000	11/21/08	23,000	120,000	3/17/09	25,000	140,000
			Trichlorofluoromethane	6/4/08	2800	16,000	8/12/08	2600	14,000	11/21/08	2400	14,000	3/17/09	2900	16,000
			Xylene[1,2-]	6/4/08	500	2200	8/12/08	ND	ND	11/21/08	540	2400	3/17/09	550	2400
	167	164.5–169.5	Benzene	6/4/08	640	2000	8/12/08	580	1800	11/21/08	820	2600	3/17/09	780	2500
			Carbon Tetrachloride	6/4/08	600	3800	8/12/08	490	3100	11/21/08	500	3100	3/17/09	760	4800
			Chlorobenzene	6/4/08	150	710	8/12/08	ND	ND	11/21/08	150	700	3/17/09	180	850
			Chloroform	6/4/08	3700	18,000	8/12/08	2900	14,000	11/21/08	3800	19,000	3/17/09	4300	21,000
			Cyclohexane	6/4/08	1600	5600	8/12/08	ND	ND	11/21/08	ND	ND	3/17/09	ND	ND
			Dichlorodifluoromethane	6/4/08	360	1800	8/12/08	ND	ND	11/21/08	460	2300	3/17/09	420	2100
			Dichloroethane[1,1-]	6/4/08	1400	5500	8/12/08	1200	4800	11/21/08	1500	6000	3/17/09	1600	6600

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	167	164.5–169.5	Dichloroethane[1,2-]	6/4/08	2100	8500	8/12/08	1800	7100	11/21/08	2100	8600	3/17/09	2500	10,000
			Dichloroethene[1,1-]	6/4/08	26,000	100,000	8/12/08	6900	27,000	11/21/08	20,000	81,000	3/17/09	8400	33,000
			Dichloropropane[1,2-]	6/4/08	4100	19,000	8/12/08	3200	15,000	11/21/08	4000	18,000	3/17/09	4800	22,000
			Ethanol	6/4/08	700	1300	8/12/08	ND	ND	11/21/08	ND	ND	3/17/09	ND	ND
			Hexane	6/4/08	320	1100	8/12/08	ND	ND	11/21/08	250	900	3/17/09	300	1100
			Methylene Chloride	6/4/08	10,000	35,000	8/12/08	8600	30,000	11/21/08	10,000	35,000	3/17/09	12,000	42,000
			Tetrachloroethene	6/4/08	3000	20,000	8/12/08	2100	14,000	11/21/08	2400	16,000	3/17/09	3200	21,000
			Toluene	6/4/08	1700	6400	8/12/08	1800	7000	11/21/08	1800	6900	3/17/09	1800	6700
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/4/08	15,000	120,000	8/12/08	16,000	120,000	11/21/08	12,000	96,000	3/17/09	17,000	130,000
			Trichloroethane[1,1,1-]	6/4/08	74,000	400,000	8/12/08	81,000	440,000	11/21/08	82,000	450,000	3/17/09	97,000	530,000
			Trichloroethene	6/4/08	25,000	140,000	8/12/08	21,000	110,000	11/21/08	24,000	130,000	3/17/09	28,000	150,000
			Trichlorofluoromethane	6/4/08	3200	18,000	8/12/08	3000	17,000	11/21/08	3200	18,000	3/17/09	3800	21,000
			Xylene[1,2-]	6/4/08	410	1800	8/12/08	ND	ND	11/21/08	410	1800	3/17/09	480	2100
	275	272.5–277.5	Benzene	6/4/08	370	1200	8/12/08	480	1500	11/21/08	490	1600	3/17/09	470	1500
			Carbon Tetrachloride	6/4/08	460	2900	8/12/08	520	3200	11/21/08	390	2400	3/17/09	530	3300
			Chloroform	6/4/08	1500	7400	8/12/08	1800	8700	11/21/08	1700	8300	3/17/09	1900	9300
			Cyclohexane	6/4/08	740	2600	8/12/08	ND	ND	11/21/08	ND	ND	3/17/09	ND	ND
			Dichlorodifluoromethane	6/4/08	380	1900	8/12/08	380	1900	11/21/08	490	2400	3/17/09	450	2200
			Dichloroethane[1,1-]	6/4/08	440	1800	8/12/08	520	2100	11/21/08	480	2000	3/17/09	540	2200
			Dichloroethane[1,2-]	6/4/08	74	300	8/12/08	ND	ND	11/21/08	85	340	3/17/09	110	440
			Dichloroethene[1,1-]	6/4/08	15,000	59,000	8/12/08	9800	39,000	11/21/08	14,000	58,000	3/17/09	9100	36,000
			Dichloropropane[1,2-]	6/4/08	420	1900	8/12/08	440	2000	11/21/08	460	2100	3/17/09	550	2600
			Ethyltoluene[4-]	6/4/08	120	600	8/12/08	ND	ND	11/21/08	ND	ND	3/17/09	ND	ND
			Hexane	6/4/08	420	1500	8/12/08	540	1900	11/21/08	340	1200	3/17/09	400	1400
			Methylene Chloride	6/4/08	4900	17,000	8/12/08	6300	22,000	11/21/08	5400	19,000	3/17/09	6600	23,000
			Tetrachloroethene	6/4/08	1200	8200	8/12/08	1300	8800	11/21/08	1100	7600	3/17/09	1400	9600
			Toluene	6/4/08	660	2500	8/12/08	1100	4300	11/21/08	540	2000	3/17/09	600	2200
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/4/08	12,000	90,000	8/12/08	17,000	130,000	11/21/08	9900	76,000	3/17/09	14,000	100,000
			Trichloroethane[1,1,1-]	6/4/08	31,000	170,000	8/12/08	45,000	250,000	11/21/08	34,000	190,000	3/17/09	42,000	230,000

Table 5.0-1 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Analyte	3rd Quarter FY08			4th Quarter FY08			1st Quarter FY09			2nd Quarter FY09		
				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	275	272.5–277.5	Trichloroethene	6/4/08	14,000	75,000	8/12/08	16,000	86,000	11/21/08	14,000	77,000	3/17/09	16,000	87,000
			Trichlorofluoromethane	6/4/08	2000	11,000	8/12/08	2500	14,000	11/21/08	2200	12,000	3/17/09	2600	15,000
			Trimethylbenzene[1,2,4-]	6/4/08	130	650	8/12/08	ND	ND	11/21/08	ND	ND	3/17/09	ND	ND
			Trimethylbenzene[1,3,5-]	6/4/08	77	380	8/12/08	ND	ND	11/21/08	ND	ND	3/17/09	ND	ND
	354	351.5–356.5	Benzene	6/4/08	120	390	8/12/08	95	300	11/21/08	95	300	3/17/09	140	450
			Carbon Tetrachloride	6/4/08	200	1200	8/12/08	150	960	11/21/08	130	820	3/17/09	210	1300
			Chloroform	6/4/08	210	1000	8/12/08	250	1200	11/21/08	140	700	3/17/09	220	1000
			Cyclohexane	6/4/08	250	860	8/12/08	ND	ND	11/21/08	ND	ND	3/17/09	ND	ND
			Dichlorodifluoromethane	6/4/08	200	1000	8/12/08	130	660	11/21/08	200	960	3/17/09	230	1100
			Dichloroethane[1,1-]	6/4/08	68	280	8/12/08	110	440	11/21/08	47	190	3/17/09	69	280
			Dichloroethane[1,2-]	6/4/08	ND	ND	8/12/08	74	300	11/21/08	ND	ND	3/17/09	ND	ND
			Dichloroethene[1,1-]	6/4/08	4000	16,000	8/12/08	2900	12,000	11/21/08	3000	12,000	3/17/09	3800	15,000
			Dichloropropane[1,2-]	6/4/08	16	74	8/12/08	200	930	11/21/08	ND	ND	3/17/09	ND	ND
			Hexane	6/4/08	260	920	8/12/08	170	580	11/21/08	120	440	3/17/09	200	700
			Methylene Chloride	6/4/08	500	1700	8/12/08	470	1600	11/21/08	340	1200	3/17/09	550	1900
			Propylene	6/4/08	ND	ND	8/12/08	ND	ND	11/21/08	41	70	3/17/09	ND	ND
			Tetrachloroethene	6/4/08	320	2200	8/12/08	250	1700	11/21/08	180	1200	3/17/09	290	2000
			Tetrahydrofuran	6/4/08	ND	ND	8/12/08	180	540	11/21/08	ND	ND	3/17/09	ND	ND
			Toluene	6/4/08	110	420	8/12/08	100	380	11/21/08	56	210	3/17/09	75	280
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	6/4/08	4500	34,000	8/12/08	4000	30,000	11/21/08	2700	21,000	3/17/09	4300	33,000
			Trichloroethane[1,1,1-]	6/4/08	9600	52,000	8/12/08	9800	54,000	11/21/08	6300	34,000	3/17/09	8600	47,000
			Trichloroethene	6/4/08	3600	20,000	8/12/08	3100	17,000	11/21/08	2400	13,000	3/17/09	3600	20,000
			Trichlorofluoromethane	6/4/08	670	3800	8/12/08	580	3300	11/21/08	480	2700	3/17/09	740	4100

Note: See Appendix A for data qualifier definitions.

[a] ND = Nondetect.

[b] NS = Not sampled.

[c] Open borehole.

[d] Packer sample interval.

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

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	3rd Quarter FY08		4rd Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02001	40	37.5–42.5	5/30/08	477	9/4/08	874	11/24/08	3135	3/15/09	340
	80	77.5–82.5	5/30/08	470	9/4/08	419	11/24/08	445	3/15/09	361
	120	117.5–122.5	5/30/08	ND[a]	9/4/08	3354	11/24/08	ND	3/15/09	ND
	140	137.5–142.5	5/30/08	ND	9/4/08	ND	11/24/08	ND	3/15/09	961
54-02002	20	17.5–22.5	NS[b]	NS	8/11/08	1295	11/26/08	3734	NS	NS
	40	37.5–42.5	6/18/08	1627	NS	NS	NS	NS	3/26/09	7666
	100	97.5–102.5	6/18/08	3362	8/11/08	33,599	11/26/08	9630	3/26/09	3309
	120	117.5–122.5	6/18/08	1966	8/11/08	840	11/26/08	2554	3/26/09	7913
	180	177.5–182.5	6/18/08	1488	8/11/08	1544	11/26/08	2171	3/26/09	1783
54-02016	18	15.5–20.5	NS	NS	8/22/08	10,653	NS	NS	NS	NS
	31	28.5–33.5	5/19/08	1272	8/22/08	22,681	11/12/08	2597(J)	3/21/09	1265
	82	79.5–84.5	5/19/08	ND	NS	NS	11/12/08	8135(J)	3/21/09	424
54-02021	20	10–30	6/4/08	ND	9/12/08	ND	11/19/08	1103	3/14/09	2385
	100	90–110	6/4/08	ND	9/12/08	443	11/19/08	3610	3/14/09	548
	120	110–130	6/4/08	ND	9/12/08	2,918	11/19/08	486	3/14/09	ND
	140	130–150	6/4/08	ND	9/12/08	525	11/19/08	920	3/14/09	ND
54-02022	40	37.5–42.5	5/29/08	ND	9/9/08	ND	11/21/08	413	3/13/09	ND
	80	77.5–82.5	5/29/08	ND	9/9/08	ND	11/21/08	881	3/13/09	616
	120	117.5–122.5	5/29/08	ND	9/9/08	ND	11/21/08	ND	3/13/09	ND
	140	137.5–142.5	5/29/08	ND	9/9/08	ND	11/21/08	591	3/13/09	ND
54-02023	40	30–50	6/24/08	ND	8/15/08	616	12/9/08	1473	4/2/09	ND
	100	90–110	6/24/08	514	8/15/08	296	12/9/08	371	4/2/09	ND
	120	110–130	6/24/08	ND	8/15/08	ND	12/9/08	352	4/2/09	ND
	159	149–169	6/24/08	370	8/15/08	329	12/9/08	567	4/2/09	ND

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	3rd Quarter FY08		4rd Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02024	40	30–50	6/16/08	604	8/6/08	2,433	12/1/08	ND	3/30/09	ND
	100	90–110	6/16/08	626	8/6/08	684	12/1/08	ND	3/29/09	439
	120	110–130	6/16/08	2271	NS	NS	12/1/08	245	NS	NS
	140	130–150	NS	NS	8/6/08	635	NS	NS	3/29/09	493
	160	150–170	6/16/08	ND	8/6/08	340	12/1/08	ND	3/29/09	444
54-02025	20	20	6/12/08	294	8/13/08	ND	12/3/08	646	3/28/09	ND
	100	100	6/12/08	ND	8/13/08	ND	12/3/08	403	3/28/09	ND
	160	160	6/12/08	20,080	8/13/08	ND	12/3/08	963	3/28/09	ND
54-02026	20	20	6/20/08	458	8/7/08	441	12/5/08	ND	4/1/09	ND
	100	100	6/20/08	353	8/7/08	ND	12/5/08	ND	4/1/09	ND
	160	160	6/20/08	418	8/7/08	294	12/5/08	ND	4/1/09	ND
54-02027	20	20	6/17/08	314	8/14/08	ND	12/4/08	319	3/30/09	390
	100	100	6/17/08	ND	8/14/08	ND	12/4/08	ND	3/30/09	909
	200	200	6/17/08	ND	8/14/08	ND	12/4/08	546	3/30/09	ND
54-02028	20	20	6/23/08	389	8/19/08	ND	12/8/08	316	3/31/09	ND
	100	100	6/23/08	ND	8/19/08	ND	12/8/08	260	3/31/09	ND
	160	160	6/23/08	347	8/19/08	ND	12/8/08	449	3/31/09	ND
54-02031	20	20	6/5/08	ND	9/12/08	ND	11/18/08	ND	3/16/09	21,595
	100	100	6/5/08	ND	9/12/08	ND	11/18/08	ND	3/16/09	ND
	160	160	6/5/08	ND	9/12/08	ND	11/18/08	ND	3/16/09	ND
	260	260	6/5/08	ND	9/12/08	ND	11/18/08	ND	3/16/09	ND

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	3rd Quarter FY08		4rd Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-02034	20	20	6/3/08	ND	9/11/08	ND	11/20/08	317	3/12/09	ND
	60	60	6/3/08	ND	9/11/08	ND	11/20/08	275	3/12/09	2509
	160	160	6/3/08	ND	9/11/08	ND	11/20/08	ND	3/12/09	2823
	200	200	6/3/08	ND	9/11/08	ND	11/20/08	565	3/12/09	21,726
	300	300	6/3/08	ND	9/11/08	ND	11/20/08	641	3/12/09	27,303
54-02089	31	31	5/21/08	2281	8/25/08	3504	11/13/08	6899(J)	3/23/09	8209
	46	46	5/21/08	1776	8/25/08	2041	11/13/08	20,798	3/23/09	8172
54-24238	64	63–65	5/19/08	2549	8/25/08	5374	11/12/08	3,082(J)	3/22/09	ND
54-24239	25	24–26	5/23/08	ND	8/27/08	ND	11/17/08	429	4/2/09	ND
	75	74–76	5/23/08	ND	8/27/08	ND	11/17/08	ND	4/2/09	ND
54-24240	28	27–29	5/16/08	ND	8/29/08	705	11/7/08	356	3/17/09	679
	53	52–54	5/16/08	602	8/29/08	ND	11/7/08	502	3/17/09	388
	128	127–129	5/16/08	ND	8/29/08	ND	11/7/08	1219	3/17/09	2105
	153	152–154	5/16/08	612	8/29/08	ND	11/7/08	3608	3/17/09	ND
54-24241	73	71–74	5/22/08	758	9/17/08	48,775	11/13/08	5150	3/19/09	3492
	113	112–114	5/22/08	329	9/17/08	38,581	11/13/08	5315	3/19/09	ND
	133	132–134	5/22/08	ND	9/17/08	115,841	11/13/08	1135	3/19/09	ND
54-24242	25	24–26	5/28/08	851	8/27/08	ND	11/14/08	327	3/24/09	576
	50	49–51	5/23/08	ND	8/27/08	378	11/14/08	988	3/24/09	1994
54-24243	25	24-26	6/19/08	4631	8/8/08	5343	11/25/08	4721	3/25/09	4292
	75	74–76	6/19/08	954,746	8/8/08	799,120	11/25/08	309,602	3/25/09	385,591
	125	124–126	6/19/08	49,672	8/8/08	68,127	11/25/08	20,757	3/25/09	ND
54-24399	550	550–608	6/16/08	ND	9/3/08	ND	12/2/08	ND	3/23/09	ND

Table 5.0-2 (continued)

Borehole ID	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	3rd Quarter FY08		4rd Quarter FY08		1st Quarter FY09		2nd Quarter FY09	
			Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)	Date	Result (pCi/L)
54-27641	32	29.5–34.5	5/16/08	724	8/28/08	1258	11/10/08	489	3/18/09	ND
	82	79.5–84.5	5/16/08	ND	8/28/08	404	11/10/08	225	3/18/09	1326
	115	112.5–117.5	5/16/08	1205	8/28/08	3199	11/10/08	ND	3/18/09	ND
	182	179.5–184.5	5/16/08	ND	8/28/08	841	11/10/08	233	3/18/09	351
	271	268.5–273.5	5/16/08	ND	8/28/08	942	11/10/08	396	3/18/09	517
	332.5	330–335	5/16/08	ND	8/28/08	ND	11/10/08	826	3/18/09	ND
54-27642	30	27.5–32.5	5/20/08	ND	8/22/08	1782	11/10/08	6117(J)	3/20/09	2163
	75	71.5–76.5	5/20/08	3554	8/22/08	ND	11/10/08	10,895(J)	3/20/09	10,605
	116	114.5–119.5	5/20/08	8821	8/22/08	753	11/10/08	39,636	3/20/09	6611
	175	172.5–177.5	5/20/08	516	8/22/08	2,304	11/10/08	5143(J)	3/20/09	1889
	275	272.5–277.5	5/20/08	ND	8/22/08	457	11/10/08	5286(J)	3/20/09	1304
	338	335.5–340.5	5/20/08	ND	8/22/08	842	11/10/08	3607(J)	3/20/09	447
54-27643	30	27.5–32.5	6/9/08	622	8/12/08	ND	12/2/08	970	3/28/09	841
	74	71.5–76.5	6/9/08	657	8/12/08	511	12/2/08	780	3/28/09	709
	117	114.5–119.5	6/9/08	923	8/12/08	890	12/2/08	683	3/28/09	826
	167	164.5–169.5	6/9/08	449	8/12/08	ND	12/2/08	1272	3/28/09	ND
	275	272.5–277.5	6/9/08	348	8/12/08	ND	12/2/08	1336	3/28/09	1965
	354	351.5–356.5	6/9/08	ND	8/12/08	ND	12/2/08	642	3/28/09	2582

[a] ND = Nondetect.

[b] NS = Not sampled.

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

VOCs	Maximum Pore-Gas Concentration (µg/m³)	Groundwater SL (µg/L)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m³)	SV (unitless)
Acetone	9.6	22,000[a]	35,200	0.00027
Benzene	4700	5[b]	1140	4.1
Carbon Disulfide	54	1000[a]	1,200,000	0.000045
Carbon Tetrachloride	26,000	5[b]	6250	4.2
Chlorobenzene	1700	100[b]	15,000	0.11
Chloroform	50,000	100[c]	15,000	3.3
Dichlorodifluoromethane	21,000	390[a]	1,599,000	0.013
Dichloroethane[1,1-]	85,000	25[c]	5750	15
Dichloroethane[1,2-]	630,000	5[b]	200.5	3100
Dichloroethene[1,1-]	74,000	5[c]	5500	13
Dichloropropane[1,2-]	350,000	5[b]	550	640
Ethanol	6500	na	na	na
Ethylbenzene	1300	700[b]	226,100	0.0057
Hexane	2600	880[a]	4,400,000	0.00059
Methylene Chloride	430,000	5[b]	450	960
Tetrachloroethene	380,000	5[b]	3770	100
Tetrahydrofuran	29,000	na[d]	na	na
Toluene	23000	750[c]	204,000	0.11
Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,700,000	59,000[a]	1,262,600,000	0.0013
Trichloroethane[1,1,1-]	4,400,000	60[c]	42,300	100
Trichloroethene	1,000,000	5[b]	2110	470
Trichlorofluoromethane	38,000	1300[a]	5,200,000	0.0073
Xylene[1,2-]	3800	1400[a]	298,200	0.013
Xylene[1,3-]+Xylene[1,4-]	2500	200[a,e]	54,000	0.046

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

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

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

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

[d] na = Not applicable.

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

Table 5.2-2
Screening of VOCs Detected in Pore Gas at the
Deepest Depth in Borehole Location 54-24399 at MDA L

VOCs	Port Depth (ft bgs)	Sampling Port Depth or Interval (ft bgs)	Maximum Pore-Gas Concentration (µg/m³)	Groundwater SL (µg/L)	Calculated Concentrations in Pore Gas Corresponding to Groundwater Standard (µg/m³)	SV (unitless)
Dichloroethane[1,1-]	550[a]	550–608[b]	41	25[c]	5750	0.0071
Dichloroethene[1,1-]			74	5[c]	5500	0.013
Methylene Chloride			29	5[d]	450	0.064
Tetrachloroethene			160	5[d]	3770	0.042
Toluene			91	750[c]	204,000	0.00045
Trichloro-1,2,2-trifluoroethane[1,1,2-]			180	59,000[e]	1,262,600,000	0.00000014
Trichloroethane[1,1,1-]			990	60[c]	42,300	0.023
Trichloroethene			330	5[d]	2110	0.16

[a] Open borehole.

[b] Packer sample interval.

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

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

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

Appendix A

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

A-1.0 ACRONYMS AND ABBREVIATIONS

B&K	Brüel and Kjær
bgs	below ground surface
Consent Order	Compliance Order on Consent
COPC	chemical of potential concern
DCE	1,1-dichloroethylene
DER	duplicate error ratio
EPA	Environmental Protection Agency (U.S.)
FLUTe	Flexible Liner Underground Technology
FY	fiscal year
Kpa	pressure differential
LANL	Los Alamos National Laboratory
LCS	laboratory control sample
MCL	maximum contaminant level
MDA	material disposal area
NOD	notice of disapproval
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NOD	notice of disapproval
PCE	tetrachloroethene
PID	photoionization detector
QA	quality assurance
QC	quality control
RPD	relative percent difference
RPF	Records Processing Facility
SL	screening level
SOP	standard operating procedure
SOW	statement of work
SV	screening value
SWMU	solid waste management unit
TA	technical area
TCA	1,1,1-trichloroethane

TCE	trichloroethene
TPU	total propagated uncertainty
VOC	volatile organic compound

A-2.0 METRIC CONVERSION TABLE

Multiply SI (Metric) Unit	by	To Obtain U.S. Customary Unit
kilometers (km)	0.622	miles (mi)
kilometers (km)	3281	feet (ft)
meters (m)	3.281	feet (ft)
meters (m)	39.37	inches (in.)
centimeters (cm)	0.03281	feet (ft)
centimeters (cm)	0.394	inches (in.)
millimeters (mm)	0.0394	inches (in.)
micrometers or microns (µm)	0.0000394	inches (in.)
square kilometers (km^2)	0.3861	square miles (mi^2)
hectares (ha)	2.5	acres
square meters (m^2)	10.764	square feet (ft^2)
cubic meters (m^3)	35.31	cubic feet (ft^3)
kilograms (kg)	2.2046	pounds (lb)
grams (g)	0.0353	ounces (oz)
grams per cubic centimeter (g/cm^3)	62.422	pounds per cubic foot (lb/ft^3)
milligrams per kilogram (mg/kg)	1	parts per million (ppm)
micrograms per gram (µg/g)	1	parts per million (ppm)
liters (L)	0.26	gallons (gal.)
milligrams per liter (mg/L)	1	parts per million (ppm)
degrees Celsius (°C)	9/5 + 32	degrees Fahrenheit (°F)

A-3.0 DATA QUALIFIER DEFINITIONS

Data Qualifier	Definition
U	The analyte was analyzed for but not detected.
J	The analyte was positively identified, and the associated numerical value is estimated to be more uncertain than would normally be expected for that analysis.
J+	The analyte was positively identified, and the result is likely to be biased high.
J-	The analyte was positively identified, and the result is likely to be biased low.
UJ	The analyte was not positively identified in the sample, and the associated value is an estimate of the sample-specific detection or quantitation limit.
R	The data are rejected as a result of major problems with quality assurance/quality control parameters.

Appendix B

Quality Assurance/Quality Control Program

B-1.0 INTRODUCTION

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

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

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

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

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

B-1.1 Maintenance of Chain of Custody

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

B-1.2 Sample Documentation

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

B-1.3 Sample Preservation

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

B-1.4 Holding Time

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

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

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

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

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

B-1.7 Analyte Quantitation

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

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

Radionuclide results reported at less than the minimum detectable activity are not detected. Each radiochemical 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.

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.

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 which 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 and Tracer Recoveries

A surrogate (an organic chemical compound) and a tracer (a radiochemical isotope) are similar in composition and behavior to target analytes but are not typically found in environmental samples. Surrogates and tracers 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 and tracers 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 and carriers 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 and carrier recoveries 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%. The recoveries for carriers vary by method but should generally be greater than 10% for an analytical result to be usable (LANL 2000, 071233).

B-1.12 Laboratory Control Sample Recoveries

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

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

Laboratory duplicates are two portions of a sample taken from the same sample container (prepared for analysis and analyzed independently but under identical conditions) that are used to assess or demonstrate acceptable laboratory-method precision at the time of analysis. Each duplicate sample is equally representative of the original material. Duplicate analyses are also performed to determine the long-term precision of an analytical method on various matrices. All relative percent differences (RPDs)

between samples and field duplicates should be ±35% (LANL 2000, 071233). The RPD is defined by the equation RPD = [|D1 – D2|/(D1 + D2)] × 100%, where D1 and D2 represent analytical measurements on duplicate samples.

For radionuclides, the duplicate error ratio (DER) may also be used to quantify precision. The DER is defined by the equation DER = |S–D|/sqrt($2\sigma S^2 + 2\sigma D^2$), where S represents the original sample value, D represents the duplicate value, and 2σS and 2σD represent the 2-sigma uncertainties surrounding the original and duplicate samples, respectively. A DER below 3 indicates sample-to-field duplicate precision that is in control.

Field duplicates are independent samples collected as closely as possible at the same point in space and time. They are two separate samples taken from the same source, stored in separate containers, and analyzed independently.

B-1.14 Field Blanks and Equipment Blanks

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.

B-2.0 LABORATORY ANALYSIS SUMMARY

During the second quarter of fiscal year (FY) 2009, 83 volatile organic compound (VOC) pore-gas samples, 9 field blank samples, 9 field duplicate samples, and 1 VOC equipment blank were collected at Solid Waste Management Unit 54-006, also known as Material Disposal Area L. Additionally, 83 tritium samples, 9 field blank samples, and 9 field duplicate samples were collected. Analysis of pore gas was conducted for VOCs using EPA Method TO-15, and analysis for tritium was conducted using EPA Method 906.0. Table B-2.0-1 lists the analytical method used for VOC and tritium analyses. All QC procedures were followed as required by the analytical services SOW (LANL 2000, 071233). Validated analytical results have been corrected for tritium underreporting.

Sample locations, sample 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 results were rejected.

B-3.1 Maintenance of Chain of Custody

Chain of custody was properly maintained for all samples.

B-3.2 Sample Documentation

All samples were properly documented in the field.

B-3.3 Sample Preservation

No sample preservation is required for VOCs.

B-3.4 Holding Time

The holding times were met for all samples.

B-3.5 Initial and Continuing Calibration Verification

The initial calibration verification and/or the multipoint calibration coefficient did not meet the appropriate criteria for four VOC results. Affected results were qualified as estimated not detected (UJ).

Initial or continuing calibration differences (percent difference) were recovered outside the method-specific limits affecting EPA Method TO-15 analyses of 62 VOC results. Affected results were qualified as estimated not detected (UJ).

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

Analyte identification criteria were not met for five VOC results. Affected results were qualified as not detected.

B-3.7 Method Blank

Method blank results were within acceptable limits.

B-3.8 Surrogate Recoveries

All surrogate recoveries were within acceptable limits.

B-3.9 Internal Standard Responses

All internal standard responses were within acceptable limits.

B-3.10 LCS Recoveries

The LCS recoveries were greater than 10% for 29 VOC results. Affected results were qualified as estimated biased low (J-) of their sample-specific quantitation limit or detection limit or estimated not detected (UJ).

B-3.11 Laboratory and Field Duplicates

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

B-3.12 Field Blanks and Equipment Blanks

Equipment blank results were within acceptable limits for all but 33 VOC results. The 33 results were ≤5 times the concentration detected in the equipment blank and were qualified as not detected.

One field blank was collected on March 12, 2009, at borehole location 54-02031. Three VOC results in borehole location 54-02031 were ≤5 times the concentration of the related analyte in the field blank and were qualified as not detected.

One field blank was collected on March 14, 2009, at borehole location 54-24240. Twenty-three VOC results in borehole location 54-24240 were ≤5 times the concentration of the related analyte in the field blank and were qualified as not detected.

One field blank was collected on March 24, 2009, at borehole location 54-02023. Two VOC results were ≤5 times the concentration of the related analyte in the field blank and were qualified as not detected.

One field blank was collected on March 22, 2009, at borehole location 54-24399. One VOC result was ≤5 times the concentration of the related analyte in the field blank and was qualified as not detected.

B-4.0 RADIONUCLIDE ANALYSES

No tritium data were rejected.

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

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 Initial and Continuing Calibration Verification

Initial and continuing calibrations were acceptable for all tritium analyses.

B-4.6 Analyte Identification

Analyte identification criteria were met for all but 31 tritium results. These results were qualified as not detected because the associated sample concentration was less than or equal to the minimum detectable concentration.

B-4.7 Analyte Quantitation

Analyte quantitation criteria were met for all tritium analyses.

B-4.8 Method Blanks

Method blank results were within acceptable limits for all tritium analyses.

B-4.9 LCS Recoveries

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

B-4.10 Laboratory and Field Duplicates

Laboratory and field duplicates collected indicate acceptable precision. All field duplicate DERs were less than 3.

B-4.11 Field and Equipment Blanks

Equipment blank results were within acceptable limits for all but six tritium results. Six results were ≤5 times the concentration of the tritium detected in the equipment blank and were qualified as not detected.

Four field blanks were collected on March 19, 2009, March 22, 2009, March 28, 2009, and April 2, 2009, at borehole locations 54-24241, 54-24238, 54-02025, and 54-24239. The field blanks contained detected concentrations of tritium. Two tritium results for the samples collected in borehole location 54-24241 were ≤5 times the concentration of tritium in the field blank and were qualified as not detected. Results from the samples collected in borehole locations 54-24238, 54-02025, and 54-24239 were ≤5 times the concentration of the tritium in the field blank and were qualified as not detected.

B-5.0 FIELD-MONITORING SUMMARY

B-5.1 VOCs

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

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

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

The presence of nontarget VOCs bias B&K target analyte results if they have an acoustic response to infrared light similar to the target analyte. Trichlorofluoromethane (Freon-11) generates a measurable acoustic signal in response to light with a wavelength of 11.6 µm proportional to its concentration. Other VOCs generating an acoustic signal in response to light at this wavelength include 1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon-114) and dichlorofluoromethane (Freon-21), neither of which is reported by EPA Method TO-15. PCE generates an acoustic signal in response to light with a wavelength of 11.1 µm. Other VOCs responding to light at this wavelength include styrene and 1,1,2-trichloro-1,2,2-trifluoroethane (Freon-113), neither of which are reported by EPA Method TO-15, and dichlorodifluoromethane (Freon-12), ethanol, and 1,1-dichloroethylene (DCE). Results indicate that DCE and Freon-113 are detected in most samples at MDA L at concentrations that generate a measurable acoustic signal in response to light with a wavelength, which is included in the acoustic signal interpreted as PCE that may make the PCE readings appear higher on the B&K. Table B-5.0-1 presents VOCs that interfere with each of the four B&K target analytes.

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

- Before the second quarter monitoring event, the B&K with serial number 1692083 was calibrated on January 12, 2009. The zero points were set for TCA, TCE, Freon-11, PCE, carbon dioxide (CO_2), and water vapor (H_2O). Span concentrations of TCA at 78.0 ppm, TCE at 83.3 ppm, Freon-11 at 23.0 ppm, PCE at 19.4 ppm, and CO_2 at 1750 ppm were used to generate calibration response curves.
- After the second quarter monitoring event, the B&K with serial number 1692083 was recalibrated on April 23, 2009.
- Before the second quarter monitoring event, the B&K with serial number 1732805 was calibrated on March 12, 2009. The zero points were set for TCA, TCE, Freon-11, PCE, CO_2, and H_2O. Span concentrations of TCA at 10.57 ppm, TCE at 8.5 ppm, Freon-11 at 30.5 ppm, PCE at 19.3 ppm, and CO_2 at 990 ppm were used to generate calibration response curves.
- After the second quarter monitoring event, the B&K with serial number 1732805 was recalibrated on June 16, 2009.

The Landtec GEM 500 PID is calibrated by a certified calibration laboratory. During calibration, methane (CH_4), oxygen (O_2), and CO_2 zero points are set, and each analyte's calibration response curve is developed. The CH_4 reading is filtered to an infrared absorption frequency of 3.41 mm (nominal), the

frequency specific to hydrocarbon bonds. Landtec instruments are calibrated using certified CH_4 mixtures and will give correct readings, provided no other hydrocarbon gases are present within the sample (e.g., ethane, propane, and butane). If other hydrocarbons are present, the CH_4 reading will be higher (never lower) than the actual CH_4 concentration being monitored. The extent to which the CH_4 reading is affected depends upon the concentration of the CH_4 in the sample and the concentration of the other hydrocarbons. The effect of other hydrocarbons is nonlinear and difficult to predict. The CO_2 reading is filtered to an infrared absorption frequency of 4.29 µm (nominal), the frequency specific to CO_2. Therefore, any other gases usually found on landfill sites will not affect the CO_2 reading. The O_2 sensor is a galvanic cell type and suffers no influence from CO_2, hydrogen sulfide, nitrate, sulfide, or hydrogen.

Calibration is confirmed before each day's use through the analysis of multiple readings of ambient air. Zero readings of CH_4 and CO_2 are expected. O_2 is expected to read 20.9%. O_2 readings within ± 25% of 20.9% are acceptable.

Data generated using the Landtec GEM-500 PID are supported by calibration records that arrive with the rented instrument previous to 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 560 was calibrated on February 17, 2009. The zero points were set for CH_4, CO_2, and O_2. Calibration was performed so that CH_4 and CO_2 reached ±15% of a known concentration, and O_2 was set to read ambient air at 20.9%. The pump flow rate is confirmed to be 450 cc/min.

B-5.2 Tritium

Silica gel is the medium used at the Laboratory to collect moisture from pore-vapor samples. This moisture is analyzed for tritium using liquid scintillation counting. Dry silica gel contains bound water, which dilutes the tritium in the pore-vapor moisture sample. A correction factor for this dilution is developed for each sample based on the percentage moisture value 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-5.0-1
B&K Target Analytes and Potential Interfering Analytes

Target	Potential Interfering Analyte
PCE	Styrene
PCE	Freon-113
PCE	Freon-12
PCE	DCE
PCE	Ethylene oxide
PCE	Ethanol
PCE	Dipropylnitrosamine
PCE	1,1-Dimethylhydrazine
PCE	1,4-Diethylene dioxide
PCE	Cyclohexene
PCE	tert-Butyl alcohol
PCE	m-Vinyltoluene
PCE	Vinyl chloride
PCE	Tetrahydrofurane
PCE	Silicium tetrafluoride
PCE	Nitromethane
PCE	Nitrogen trifluoride
PCE	α-Methylstyrene
PCE	Monomethyl hydrazine
PCE	Methyl iodide
PCE	n-Hexane
PCE	Acetic anhydride
PCE	1,3-Butadiene
Freon-11	Freon-114
Freon-11	Freon-21

Table B-5.0-1 (continued)

Target	Potential Interfering Analyte
Freon-11	Carbonyl sulfide
Freon-11	Methyl acetate
Freon-11	Chloropicrine
Freon-11	Cyclohexane
Freon-11	Dimethylnitrosamine
Freon-11	Epichlorohydrine
Freon-11	Ethane
Freon-11	Ethylene oxide
Freon-11	Ethyl formate
Freon-11	2-Nitropropane
Freon-11	Phosgene
Freon-11	Vinyl acetate
TCA	Fluorobenzene
TCA	Ethyl benzene
TCA	Dimethyl formamide
TCA	Dichloromethane
TCA	1,2-Dichloroethane
TCA	o-Dichlorobenzene
TCA	Dibutyl phthalate
TCA	Chloromethane
TCA	m-Xylene
TCA	1,1,2-Trichloroethane
TCA	o-Toluidine
TCA	Toluene
TCA	Phenol
TCA	Chlorobenzene
TCA	Carbon dioxide
TCA	Boron trifluoride
TCA	Aniline
TCA	Acetophenone
TCA	Hydrogen cyanide
TCA	n-Heptane
TCE	Arsine
TCE	Butanone
TCE	Freon-152
TCE	Diethyl ketone
TCE	Dinitrogendifluoride
TCE	2-Pentanone
TCE	2-Propanol
TCE	Sulfur hexafluoride
TCE	Vinyl chloride

Appendix C

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