EO-05-002

Remedial Investigation Report For the Westinghouse Hematite Site

Rev 1, Volume 2: Appendices

Prepared for:

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January 2007

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contributed to the preparation of this document and should not be considered an eligible contractor for its review.

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APPENDIX A
GROUNDWATER MODELING REPORT

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EO-05-003

Groundwater and Contaminant Transport Modeling for the Westinghouse Hematite Site

Prepared for:

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ACRONYMS

CSM	conceptual site model
DCE	dichloroethylene
gpd	gallons per day
gpm	gallons per minute
HSU	hydrostratigraphic unit
PCE	perchloroethylene
RI	remedial investigation
^{99}Tc	technetium-99
TCE	trichloroethylene
USGS	U. S. Geological Survey
WEC	Westinghouse Electric Company

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1. INTRODUCTION

The Westinghouse Hematite Facility is located near the town of Hematite, in Jefferson County, Missouri. The Hematite Facility became operational in July 1956, producing uranium metals for the nuclear fuel program of the U. S. Navy. In April 2000, Westinghouse Electric Company (WEC) acquired the property when it purchased the nuclear operations of Asea Brown Boveri. WEC ceased operations in June 2001 and is performing site investigation activities in preparation for site remediation, including decommissioning.

The groundwater flow and contaminant transport modeling described in this report is part of the remedial investigation (RI) for the Hematite Site (SAIC 2007). The overall goals of the RI were to characterize the nature and extent of contamination resulting from previous operations at the Hematite Facility, to reasonably predict contaminant fate and transport in the surface and subsurface environment, and to provide sufficient data to facilitate the development of alternatives in a feasibility study for site remediation. The methods and results of the RI field sampling and analyses, which were conducted from April 2004 through January 2005, are described in the *Remedial Investigation Report for the Westinghouse Hematite Site, Rev 1* (SAIC 2007). The RI data were integrated with historical information from previous investigations to develop a conceptual hydrogeologic model for the Hematite Site. Using the conceptual site model (CSM) as a framework, a steady-state finite-difference numerical model was developed and calibrated against water levels from the Hematite Site's monitoring well network. The model was then used to explore contaminant migration pathways from known and suspected sources areas, and to identify flow and transport mechanisms that influenced the current distribution of contamination in the groundwater, as revealed by the sampling and analyses conducted as part of the RI.

As used throughout this document, the "Hematite Facility" (Fig. 1) refers to the central portion of the property, encompassing the historic primary operations area, Site Pond and burial pits areas, while the "Hematite Site" refers to the "Hematite Facility," and other areas which were the focus of this investigation based on potential impacts by previous facility operations.

2. SITE HYDROGEOLOGIC CONCEPTUAL MODEL

The Hematite Facility is built upon 20 to 35 ft of terrace/alluvial floodplain sediments overlying bedrock within the valley carved by Joachim Creek (Fig. 2a). Surface elevation within the Hematite Facility ranges from ~420 to ~440 ft. The terrace/alluvium deposits consist primarily of upper fine-grained silts and clay that overlie coarser-grained material (sands-gravels) near the bedrock surface. The thickness of the coarse-grain unit is highly variable in this region, but logs from overburden boreholes (SAIC 2007) show that the sand-gravel layer is relatively thin directly under the Facility (<1 to 2 ft), and thickens toward Joachim creek (5 to 20 ft) as the overburden transitions from terrace deposits near the Hematite Facility to alluvial sediments near Joachim Creek. The varying nature of the sediments is reflected by hydraulic conductivities measured during slug tests in overburden wells, which increase toward Joachim Creek (Fig. 3).

The underlying bedrock formations in the area are the Jefferson City-Cotter and the Roubidoux Formations (Fig. 2a). Regionally, the Jefferson City-Cotter Formation consists predominantly of dolostone with small quantities of shale, chert, and sandstone, while the Roubidoux Formation is a loosely to well-cemented sandstone or a sandy to cherty dolostone containing several distinct sandstone

bodies (Imes and Emmett 1994). Locally, the Roubidoux was more dolomitic and somewhat difficult to visually distinguish from the Jefferson City-Cotter Formation in the field. Thus, during bedrock coring and well installation conducted as part of the RI, a sandstone layer was used as a marker bed for finding the contact zone between the Jefferson City-Cotter and Roubidoux Formations (SAIC 2007). This sandstone layer was observed in all the deeper (> ~100 ft) bedrock boreholes, with the exception of BR-04, which was drilled in an earlier study (LBG 2002).

With respect to the hydrogeology at the Hematite Site, the shallow overburden and deep overburden hydrostratigraphic units (HSUs) generally corresponded with the lithologies observed from the cores (Fig. 2b). In the bedrock, three HSUs (Fig. 2b) were identified based on an integration of borehole injection and slug tests with available bedrock well hydrographs (water level versus time data). The following is a brief summary of how the bedrock HSUs were identified; a more detailed discussion can be found in (SAIC 2007). Figures 4 and 5 show hydrographs from wells screened in the Jefferson City-Cotter Formation, and from wells screened in the Roubidoux Formation. These graphs show that water levels in the Roubidoux wells have risen dramatically (up to 50 ft) since January 2004, but water levels in the Jefferson City-Cotter have virtually been unaffected by the rebound in the Roubidoux Formation. The rebound in the Roubidoux wells was traced to the shut down of water supply production wells in the city of Festus in August 2003 when a water supply system that obtained water from shallow (~100 ft) alluvial sediments of the Mississippi River floodplain was put on line (SAIC 2007). Locally, the connection of residences across Joachim Creek to the public water supply system, in response to contamination found in their wells, and concomitant abandonment of the domestic wells in the residential areas near the Hematite Facility may have also had an impact. The comparison of well hydrographs in Figs. 4 and 5 suggests that there is minimal hydraulic connectivity between the Jefferson City-Cotter and the Roubidoux Formations. This is consistent with observations made in borehole injection tests (see Section 3.4 and borehole logs in LBG 2002) and hydraulic conductivity measurements through slug testing in the bedrock wells (Section 4.7 and Appendix J in LBG 2002, SAIC 2007). The injections tests (Fig. 6) show distinct intervals of high transmissivity separated by a zone of lower transmissivity. A plot of slug test results versus elevation in Fig. 6 also suggests the existence of a depth interval where hydraulic conductivities are relatively low. Integration of the hydraulic conductivity tests with geologic cross-sections indicates that this low transmissivity zone roughly corresponds to the contact zone between the Jefferson City-Cotter and Roubidoux Formations (SAIC 2007). Thus, the CSM for the bedrock at the Hematite Site consists of three HSUs (Fig. 2b): (1) the Jefferson City-Cotter, (2) the Jefferson City-Cotter-Roubidoux contact zone, and (3) the Roubidoux HSU.

3. POTENTIOMETRIC SURFACES AND GROUNDWATER FLOW DIRECTIONS IN THE HYDROSTRATIGRAPHIC UNITS

Potentiometric surfaces in the deep overburden and bedrock HSUs are shown in Figs. 7 through 10. These maps are based on a set of water level measurements made in December 2004 as part of the RI (SAIC 2007). In the deep overburden (Fig. 7), groundwater flow is chiefly in a southeastward direction from the Hematite Facility toward Joachim Creek where it discharges. Furthermore, a groundwater mound is associated with the Hematite Facility and has a significant impact on the potentiometric surfaces. Groundwater flow in the Jefferson City-Cotter HSU appears to be affected by this mounding, and components of flow radiate from the Hematite Facility toward the northeast and the southeast within this HSU (Fig. 8). The flow along the northeast is consistent with the orientation of bedding planes that slope in the same direction. The flow towards the southeast may be part of topographically controlled flow from the highlands to the valleys, a pattern that is typical of shallow groundwater in the region (Imes and Emmet 1994). In the Jefferson City-Cotter/Roubidoux contact zone and Roubidoux HSUs (Figs. 9

and 10) the current direction of groundwater flow appears to reflect a northeasterly trajectory, which is consistent with regional groundwater flow direction in the Roubidoux Formation.

4. MODFLOW GROUNDWATER FLOW MODELING

A steady-state groundwater MODFLOW (Harbaugh et al. 2000) model was developed based on the CSM described in Chap. 2, and calibrated against average water levels from selected wells. Use of MODFLOW for groundwater modeling implicitly assumes the bedrock formations are suitably modeled as porous media. This is a reasonable approach given that this is the first modeling effort for the Hematite Site, and more complex fracture models should only be pursued if the porous medium model is unable to reproduce the hydrogeologic observations at the Hematite Site.

Flowpath simulations through particle tracking were performed using MODPATH (Pollock 1994), and reactive contaminant transport modeling was conducted using RT3D (Clement 1997, 2003). A finite-difference numerical grid was built using GMS 5.0 (Environmental Monitoring Systems Incorporated, South Jordan, UT), a software tool that serves as a graphical user interface for running MODFLOW, MODPATH, and RT3D simulations.

4.1 MODEL LAYERS

Figure 11 shows the MODFLOW model domain, which encompasses a larger region than the Hematite Site, so that assumptions at the model boundaries would not significantly impact flow simulations within the area of interest. The grid cell dimensions were adjusted so that grid cells were smaller in the vicinity of the Hematite Site (Figs. 11 and 12). The model grid consists of nine layers (Figs. 13 and 14), with layers generally corresponding to the HSUs as shown in Fig. 15. The top surface of Layer 1 (see elevation views of grid in Figs. 13 and 14) was modeled using a 30-min digital elevation model obtained from the U. S. Geological Survey (USGS). The bottoms of Layers 1 through 5 were specified by subtracting fixed-increment distances from the top of Layer 1, creating layers with constant thickness that follow topography. The top of Layer 9 (representing the Roubidoux Formation) was made to conform to the lower transmissive zone indicated by the borehole injection tests by fitting a plane through the points at each borehole above the high injection rates (see points marked with “P” in Fig. 6). The resulting plane has a strike of 17° northwest and a dip of 2° northeast, roughly conforming to the regional strike and dip of the bedrock formations. Layers 1 and 2 were further subdivided into zones, so that different hydraulic conductivities can be assigned to different zones that correspond to the terrace and alluvial deposits (Figs. 16 and 17). Also, within Layer 2, several zones were defined around the footprint of the Hematite Facility in anticipation of needing to simulate groundwater mounding by varying hydraulic conductivities.

4.2 MODEL BOUNDARY CONDITIONS

Cells within the top model layer that coincided with Joachim Creek (Fig. 13) were “specified head” cells. Attempts were made to specify heads at cells in the model that corresponded to the Lake Virginia tributary, Site Creek, and Northeast Site Creek. However, specifying heads to represent these streams was exerting an influence on the simulated hydraulic heads that was not observed in the monitoring well data. The “river” boundary condition was then used, where the interaction of streams and groundwater is simulated through a streambed with a specified conductance. The streambed conductance had to be set to very low values to match measured water levels. As a result, the influence of these surface streams on the

groundwater was ignored in the final calibrated model. The latter assumption is consistent with the fine-grained nature of the shallow soils at the Hematite Site, which probably limit leakage from the surficial (some intermittent) streams to groundwater. With the exception of the bottom two layers of the model, the boundaries of all the other layers (solid line in Fig. 11) were specified as no-flow boundaries. For the bottom two layers of the model, heads were specified along arc A-D and arc B-C in Fig. 12, resulting in a regional northeasterly direction in the deeper layers of the model. This is consistent with the regional flow direction inferred from the water level data from the Roubidoux wells in December 2004 (Fig. 10).

Figure 18 shows the zones of constant recharge applied to the top of the model. As described later, the recharge rate in a small zone within the Burial Pit Area (Zone 1 in Fig. 1) had to be set to a high value to simulate mounding underneath the Hematite Facility.

4.3 MODEL CALIBRATION

The model was calibrated using the average of historical water levels from deep overburden wells and water level data from April through December 2004 from the bedrock wells. Although water level data were collected from the Roubidoux wells before April 2004, only the data after the significant water level rebound observed in 2003 and 2004 (Fig. 5) were included when calculating the average water level for model calibration. Initial attempts at model calibration also included historical data from the pre-RI shallow overburden wells (screened within the fine-grained layer of the overburden). These initial attempts to simulate the water levels in the shallow overburden wells resulted in unreasonable recharge and high heads in the underlying layers. This might have been due to the perched nature of the groundwater in the shallow overburden (SAIC 2007), trapped over a low-conductivity soil (the “fat clay” as identified by LBG 2002), which was not explicitly represented in the layer model. Incorporating this low-conductivity unit into the model would have required multiple layers to represent the shallow overburden, which would have increased the number of model grid cells and numerical resources to solve the larger set of equations. Since flow in the shallow overburden is predominantly downward (SAIC 2007), and off-site contaminant transport is likely from lateral flow through the deep overburden and bedrock, calibration to the shallow overburden wells was discontinued and only the deep overburden and bedrock wells were considered in the final calibrated model.

Initial estimates for hydraulic conductivities of the layers were based on historical and RI slug test results (Figs. 3 and 6), but were later adjusted during model calibration. Table 1 shows the hydraulic conductivities in the final calibrated model generally conform to the relative transmissivity of the various formations observed during the slug tests (SAIC 2007). The hydraulic conductivity in the shallow overburden next to Joachim Creek was set to a high value to correspond to the much thicker coarse-grained and highly conductive alluvial sediments in this area (see Fig. 3). Attempts were made to vary the hydraulic conductivities of Zones 2a through 2c to simulate mounding at the Hematite Site, but, ultimately, this was reproduced by using a high recharge in the Burial Pit area (see below). The hydraulic conductivity of the top layer (Layer 3) had to be set to a low value; otherwise, levels in the overlying deep overburden HSU (Layer 2) were too low. The hydraulic conductivity of Layers 4 and 5 corresponding to the Jefferson City-Cotter HSU was set to 5 ft/day, with an anisotropy factor of 5 (to simulate the effects of bedding fractures). Slug testing in the Jefferson City-Cotter HSU indicated higher conductivities in some of the wells. However, the slug test measurements were also highly variable, spanning two orders of magnitude so that the average hydraulic conductivity of the slug tests in the Jefferson City-Cotter wells (geometric average was 2.6 ft/day) was much lower than the highest value measured value (104 ft/day). The hydraulic conductivity for Layers 6 through 8, representing the Jefferson City-Cotter contact zone HSU, was set to 0.002 ft/day. This value was arrived at through successive simulations where the conductivity for this layer was lowered until changes in hydraulic heads within Layer 9 (representing the

Roubidoux HSU) did not affect hydraulic heads in Layers 4 and 5 (representing the Jefferson City-Cotter HSU). This is consistent with the lack of hydraulic interconnectivity between the Jefferson City-Cotter and Roubidoux HSUs inferred from time series water level data and hydraulic conductivity tests, as described in Chap. 2. The hydraulic conductivity assigned to Layers 6 to 8 (0.002 ft/day or 7 × 10-7 cm/s) is within the range of hydraulic conductivities reported for limestone and dolomite (Freeze and Cherry 1979).

To capture mounding under PZ-04 (see Fig. 8), a high recharge had to be assigned to the northern area of the Burial Pits (0.05 ft/day in Zone 1, compared to 0.0002 ft/day in Zones 2 and 3, and 0.0005 ft/day for Zones 4 through 8 in Fig. 18). A higher recharge value over the Burial Pits is plausible because buried objects and the use of limestone gravel as fill for the Burial Pits (SAIC 2007) would have resulted in a more permeable layer that is more conductive to percolation of rainfall water to the subsurface. Note however, that 0.05 ft/day is about five times the precipitation rate in the area (~40 in./year or 0.01 ft/day), suggesting other sources of water other than direct percolation of rainwater. Furthermore, this high recharge alone could not simulate the high heads in the PZ-04 area. To simulate these heads, an "injection well" flowing at a rate of 2000 ft^3/day (~10.4 gpm) was added as a source in the northeastern end of the plant. This "injection well" possibly represents leakage from water distribution pipelines or drainage systems, shallow overland flow from the highlands north of the Facility, or run-off from the highway. With the combined high recharge in the Burial Pits and the injection well, the mounding under PZ-04 was reproduced (see MODFLOW-generated potentiometric maps in Figs. 19 through 22).

A comparison between the modeled and calibrated hydraulic heads is shown in Fig. 23, where a perfect match is represented by the 1:1 line. Following ASTM D 5490-93 (ASTM 1993), the average residual for the final calibrated model is -0.6 ft, with average residuals of -0.02, -1.8, and 0.6 in the deep overburden, Jefferson City-Cotter, and Roubidoux wells, respectively. These residuals are acceptable because they are comparable to the seasonal water level fluctuations observed in the wells.

5. MODPATH PARTICLE TRACKING

MODPATH and the calibrated steady-state flow model were used to gain insight into possible sources of chlorinated solvent contamination detected in bedrock wells BR-08-JC, BR-09-JC, and BR-04-JC (see Fig. 20 for well locations; also in SAIC 2007). Using the "backward" tracking capability, MODPATH simulations indicate that particles at these locations all have their "sources" in the vicinity of the Burial Pit Area (Fig. 24). Forward particle tracking indicated that particles at these locations will be advected towards Joachim Creek. Particle path lines and travel times (Fig. 24) vary significantly depending on the "release point" of the particles within the Hematite Facility. Path lines originating from "source zones" towards the southwestern part of the Hematite Facility (e.g., BD-02) are directed toward the southeast following the hydraulic gradient toward Joachim Creek. Travel times for these particles are three times higher than for some particles that are "released" within the Burial Pit area (i.e., ~30 versus ~10 years, respectively, see Fig. 24). An elevation view of the path lines (not shown) reveals that the particles from the Burial Pit area move down and travel toward Joachim Creek mostly within the Jefferson City-Cotter HSU, resulting in shorter travel times than particles from BD-02, which stay mostly within the layer representing the alluvial/terrace deposits. The hydraulic conductivity for this layer is high near Joachim Creek (e.g., Zone 3, Fig. 17), but is an order of magnitude lower near the Hematite Facility (e.g., Zone 2, Fig. 17). The path lines in Fig. 24 show a radial pattern from the Burial Pit area, influenced by mounding of groundwater in the vicinity of PZ-04. The model predicts that path lines directed toward BR-04 turn toward Joachim Creek as the influence of the mound diminishes. Note that the boundary conditions for the groundwater model implicitly constrain most of the groundwater within the shallow bedrock (e.g., Jefferson City-Cotter HSU represented by Layers 3 through 5) to discharge into Joachim

Creek, and that the regional northeasterly flow exists in the lower (Layers 8 and 9) layers. However, it is uncertain that groundwater and dissolved contaminants in BR-04-JC (found at a depth of 95 to 105 ft below ground surface, SAIC 2007) actually discharge into Joachim Creek, as shown by model output. It is possible that at this depth the regional northeasterly flow direction is dominant.

The flow model used for particle tracking includes a simulation of domestic well pumping by specifying well extraction flows at all the wells shown in Fig. 24 (labeled "PW"). The domestic well pumping rate was estimated from 2000 USGS water use data (Hutson et al. 2005), which stated that for Jefferson County, Missouri, the total population that used self-supplied water was 51.57×10^3, and the total groundwater withdrawal from domestic wells was 3.35×10^6 gpd, from which the estimated per capita water usage is 65 gpd, or 260 gpd (35 ft^3/day) for a household with four members. Although this flow rate was applied to all the domestic wells shown in Fig. 24 (labeled "PW"), all the pathlines shown in this figure indicate discharge to Joachim Creek. Thus, the numerical modeling suggests that the impact of pumping in the domestic wells (assumed to be equivalent to a steady extraction rate of 35 ft^3/day) was not enough to draw groundwater from the Hematite Facility side of Joachim Creek into the area where the domestic wells are located.

In *Remedial Investigation Report for the Westinghouse Hematite Site, Rev 1* (SAIC 2007), vertical borehole flow was suggested as a possible mechanism behind contaminants moving under Joachim Creek toward the residential wells. Prior to August 2003, there was a large head difference between the Jefferson City-Cotter and Roubidoux Formations (see Figs. 4 and 5). Because open-hole construction was used in the domestic wells, this head difference may have been sufficient to induce inter-aquifer flow with the open boreholes as conduits. When an extraction rate of 2000 ft^3/day (10.4 gpm) was applied to 13 wells in the vicinity of PW-19 to simulate vertical borehole flow, a significant impact on the potentiometric surface is observed, as well as on path lines from BR-08 and BR-09 that now go under Joachim Creek into PW-19 and PW-16 (Fig. 25). Note that 10 gpm is the lowest flow rate observed by Metz and Brendle (1996), who measured vertical borehole flow rates in 87 open borehole wells in Florida. Because water levels in the Roubidoux have rebounded (Fig. 3.27 in Chap. 3 of the RI; SAIC 2007) and the driving force for this vertical flow rate is no longer present, it is difficult to estimate the actual flow rates that previously existed in the open borehole domestic wells in the PW-19 area. Nevertheless, the numerical modeling and simulation shown in Fig. 25 support the suggested impact of vertical borehole flow.

6. REACTIVE TRANSPORT MODELING OF CHLORINATED ORGANICS

Contaminant transport modeling using RT3D was coupled with the MODFLOW model for the Hematite Site that includes vertical borehole flow (Fig. 25) to simulate the migration of contaminants from known and suspected source zones at the Hematite Facility. Matching measured contaminant concentrations with modeled values was not attempted because of the existence of multiple sources and the uncertainty of when these sources were emplaced (e.g., t = 0 for the simulations). As such, the primary purpose of these simulations is to investigate the influence of flow patterns (e.g., radial flow around PZ-04) and potential attenuation mechanisms (e.g., sorption and degradation) on the migration of contaminants at the Hematite Site. Longitudinal dispersivities in layers representing the overburden and bedrock HSUs were 100 and 300 ft, respectively, with the vertical and horizontal dispersivities set at a fraction (0.2) of the longitudinal dispersivity. Specified porosities in the overburden and bedrock layers were 0.3 and 0.1, respectively. Previous measurements of organic content in overburden soil samples (average of 0.48% in four samples that were mostly finer-grain; SAIC 2003) were coupled with published values of K_{om} (partition coefficient of a chemical on natural organic matter) to arrive at sorption

coefficients for perchloroethylene (PCE) (1.74 L/kg); trichloroethylene (TCE) (0.6 L/kg); *cis*-1,2-dichloroethylene (DCE) (0.23 L/kg); and vinyl chloride (0.04 L/kg). Because natural organic matter is likely to be low in bedrock, zero K_d values (i.e., no sorption) were specified for the bedrock model layers. Degradation was simulated using the Sequential Decay Reaction package of RT3D, which assumed first-order decay kinetics and the following sequence of degradation: PCE > TCE > 1,2-*cis*-DCE > vinyl chloride (Clement 1997). Seven reaction parameters are required for the simulation: four of the parameters are the first-order degradation constants for each of the contaminants in the sequence, and three of the parameters define the yield (e.g., number of moles of TCE produced per mole of PCE). The yield parameters were taken from established stoichiometric equations for sequential degradation of PCE and TCE (Y_{TCE_PCE} = 0.792, Y_{DCE_TCE} = 0.738, and Y_{VC_DCE} = 0.644, Clement 1997). Degradation constants are site-specific because they depend on the nature of the microbes involved in the degradation reactions, as well as the geochemical environment. Although there is clear evidence for reductive dechlorination of PCE and TCE occurring at the site (SAIC 2007), site-specific degradation parameters have not been determined. Thus, degradation constants comparable to literature values (e.g., Newell et al. 1992) were used for the modeling described below. This was deemed to be a reasonable approach since the primary purpose of the modeling is to explore the general impact of flow patterns and attenuation mechanisms rather than to match simulation results with measured groundwater concentrations.

Figures 26 through 28 show simulated PCE concentration contours in the layer corresponding to the deep overburden HSU (Layer 2). The contours emanate from a constant concentration source of 200 mg/L of PCE located at overburden well BD-02, which is located within one of the Hematite Facility's buildings (Building 253). A PCE concentration of 200 mg/L was measured in a groundwater sample from this well collected in December 2004 as part of the RI (SAIC 2007). Co-located soil samples also showed levels of PCE that indicated the presence of a pure (undissolved) phase. Thus, there appears to be source of PCE in the vicinity of BD-02. Degradation constants were as follows: 0.001/day for PCE, TCE, and VC and 0.0004/day for *cis*-1,2-DCE (reflecting the apparent "stalling" of the degradation process at *cis*-1,2-DCE; SAIC 2007). Figures 26 through 28 present model results for t = 3,000 days (~8 years); 9,000 days (~25 years); and 15,000 days (~41 years). Two observations can be made from Figs. 26 through 28: (1) sorption and degradation result in a significant attenuation in PCE levels such that concentrations rapidly drop by one or two orders of magnitude just a short distance from the source (i.e., BD-02), and (2) minimal change between the contour plots at t = 25 years and t = 41 years suggests that a steady-state configuration of the plume is possible if degradation occurs. The predicted plume also tends to be narrow and is directed toward Joachim Creek.

Figure 29 shows another simulation, using the same sorption parameters used in Figs. 26 through 28 but with a 100-mg/L PCE source placed in the northern part of the Burial Pits (see red square in Fig. 29). The degradation parameters were reduced by an order of magnitude to determine whether even at lower degradation rates (all set to 0.0001/day) steady-state conditions can be attained within approximately the same time frame as in the previous simulation. Figure 29 shows simulated PCE concentrations in Layer 5 (corresponding to the Jefferson City-Cotter HSU) at t = 15,000 (~41 years). The predicted PCE plume is approaching a near-steady-state at t = 15,000 days, as shown by a plot of simulated PCE and TCE concentrations versus time at the location corresponding to BR-04-JC (see insert in Fig. 29). The simulation also indicates an elongate PCE plume configuration that is directed towards BR-04, but also encompasses WS-30, WS-31, BR-09, and BR-08. Spreading along the lateral axis of the plume may partially be from the radial flow that is induced by groundwater mounding under the Hematite Site. Lateral spreading is also controlled by the horizontal dispersivity, which was set at 1/5th of the longitudinal dispersivity in the simulation. Figure 30 shows still another simulation where the source is located in the southern part of the Burial Pit area and consists of specified PCE and TCE concentrations of 50 mg/L. The same degradation and sorption parameters are used as in the simulation in Fig. 29, but the overall shape of the PCE and TCE plume in Fig. 29 is elongated toward the southeast in the direction of Joachim Creek. As in particle tracking simulations (Chap. 5), this suggests that contaminant pathways

vary depending on the location of the source, even in the relatively small area of the Burial Pits. This is another illustration of how mounding under the Hematite Site near the Burial Pits may have an impact on contaminant migration away from sources within the Hematite Facility. Figure 29 also illustrates the movement of TCE toward the PW-19 area under the influence of vertical borehole flow in the open boreholes. Note that the model shows contamination spreading to BR-07, which is not consistent with the packer testing and sampling from this well location, which showed minimal to no contamination (SAIC 2007). The transmissivity of the formation around BR-07 may be lower than PW-19, thus reflecting smaller-scale heterogeneities that cannot be captured in the model. Another explanation is related to the details of how the contaminant plume in the Jefferson City-Cotter HSU responded to the various open-hole wells in which vertical borehole flow was occurring. The approaching plume would tend to split apart with different segments migrating preferentially to those wells having more vertical borehole flow. In this way, it is possible that BR-07 may be located in a region bypassed by the different plume segments and not be subject to the influx of significant contamination.

The transport simulations indicate vertical spreading of the contamination (results not shown) in the bedrock even though the vertical dispersivity was only set to 1/5th of the longitudinal dispersivity. This is in contrast to the relatively narrow (20 to 30 ft) zones of contamination observed during packer testing of the newly drilled boreholes (SAIC 2007). This discrepancy may be due to use of a porous medium model to simulate a situation where transport is through discrete fractures. The porous medium model was useful in exploring hydraulic and contaminant transport mechanisms that would explain the observed distribution of contaminants in the overburden and bedrock. If more accurate resolution of these issues is required, the use of fracture flow and transport modeling should also be considered for future modeling efforts.

7. TRANSPORT MODELING OF RADIONUCLIDES

Radionuclide transport modeling was performed with sources of uranium (specified concentration of 0.2 mg/L) in the deep overburden HSU (Layer 2) at Deul's Mountain and the Burial Pits, corresponding to the locations where elevated uranium concentrations were measured in groundwater samples (SAIC 2007). A contour plot of uranium concentrations within the deep overburden HSU layer shows very limited movement of uranium from the sources (Fig. 31). Note that the partition coefficient (K_d) measured in the site-specific study (175 mL/g; SAIC 2003) was used for the transport model. The K_d factor for uranium is two orders of magnitude higher than the K_d factor for PCE (1.74 mL/g). Thus, it is not surprising that PCE and other chlorinated organics are much more widespread at the Hematite Site than uranium. Although technetium-99 (^{99}Tc) transport was not simulated, similar observations regarding limited mobility are expected since the site-specific K_d factor for ^{99}Tc (106 mL/g) is comparable to that measured for uranium. The site-specific K_d value for ^{99}Tc is higher than reported literature values. However, significant adsorption of ^{99}Tc on Hematite Facility sediments was confirmed by retrieval of sorbed ^{99}Tc from the sediments during the K_d measurements (SAIC 2003).

Time series plots of uranium in grid cells that are located in Layer 4 (corresponding to the Jefferson City-Cotter HSU) near the Deul's Mountain source and near the Burial Pit source are shown in Figs. 32 and 33, respectively. The locations of these grid cells are shown in Fig. 31 and correspond to breakthrough curves for a "resident-farmer" scenario in RESRAD modeling (Yu et al. 2001). Comparison of Figs. 32 and 33 shows much higher uranium concentrations moving into the bedrock near the Burial Pit source. As in the particle tracking and chlorinated organics transport simulations, the modeling suggests that mounding in the area around PZ-04 causes a larger downward component in flow and radionuclide transport in areas near this groundwater mound.

8. CONCLUSIONS

A steady-state groundwater MODFLOW model was developed for the Hematite Site. The model layers and hydraulic conductivities were based on the CSM that was developed from an integration of field data collected from previous studies and the recent RI (SAIC 2007). The model was calibrated against the average of historical water levels from wells in the deep overburden and the Jefferson City-Cotter HSU; only water levels from April through December 2004 in the Roubidoux wells were used in the calibration because prior to this period, these wells were undergoing a significant amount of rebound that was traced to the shut down of production wells in the city of Festus. Using the calibrated groundwater flow model, particle tracking using MODPATH and contaminant transport modeling using RT3D were performed. The transport modeling was aimed at exploring the general impact of flow patterns and attenuation mechanisms (i.e., sorption and degradation) on contaminant distribution, rather than matching modeled with measured concentrations. The primary findings of this modeling effort are:

- The shallow groundwater mound underlying the Hematite Facility plays a major role in flow/transport in both layers of the overburden, as well as in the Jefferson City-Cotter HSU.

- The assignment of reasonable downhole flow rates to the open boreholes in the vicinity of PW-19 is essential for creating the observed transport to the southeast in the Jefferson City-Cotter HSU and is supportive of the CSM developed as part of the RI (SAIC 2007).

- Particle tracking was used to identify potential source zones associated with observed contamination in bedrock wells. Backward particle tracking from contaminated bedrock wells (BR-08-JC, BR-09-JC, and BR-04-JC) suggests the Burial Pits to be the source of contamination in these wells. Particle travel times vary depending on the location of their release points within the Hematite Facility. Particles "released" within the southwestern part of the Hematite Facility (i.e., BD-02) tend to have longer travel times toward their discharge point (Joachim Creek) when compared to particles "released" within the northeastern part of the Hematite Facility (i.e., the Burial Pits). This suggests that migration from sources within the northeastern part of the Hematite Facility may be faster than migration from sources in the southwest part of the Hematite Facility. This is due to the mounding in the northeastern corner of the Hematite Facility that causes downward migration in this area to transmissive bedrock formations that are conductive and probably have lower porosities than the overburden.

- Contaminant transport modeling of PCE and TCE in groundwater indicates that sorption and degradation can significantly attenuate contaminant migration such that organic contaminant levels can decrease by one to two orders of magnitude within close proximity of the source areas. Consistent with the particle tracking results, the configuration of the simulated plumes varied depending on the location of the plume's source.

- Contaminant transport modeling of uranium in groundwater indicates very limited spreading of contamination from source areas, consistent with what was observed in groundwater sample data. The site-specific partition coefficient for uranium is two orders of magnitude higher than the sorption coefficient for organics, resulting in significantly less migration for uranium in groundwater at the Hematite Site when compared to PCE and TCE. Although a technetium transport simulation was not performed, limited mobility is also expected for this radionuclide because the site-specific partition coefficient measured during a previous study was comparable to that for uranium. Simulated breakthrough curves for RESRAD "resident farmers" in the immediate vicinity of sources in the Burial Pits and Deul's Mountain were generated from the transport simulations. As in the particle tracking and chlorinated organic transport simulations, the impact of the mound under PZ-04 was apparent from the breakthrough curves that show higher concentrations near the Burial Pits when

compared to Deul's Mountain. The simulation suggests mounding creates a downward flow component that carries contaminants deeper into the bedrock in the areas near the groundwater mound.

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FIGURES

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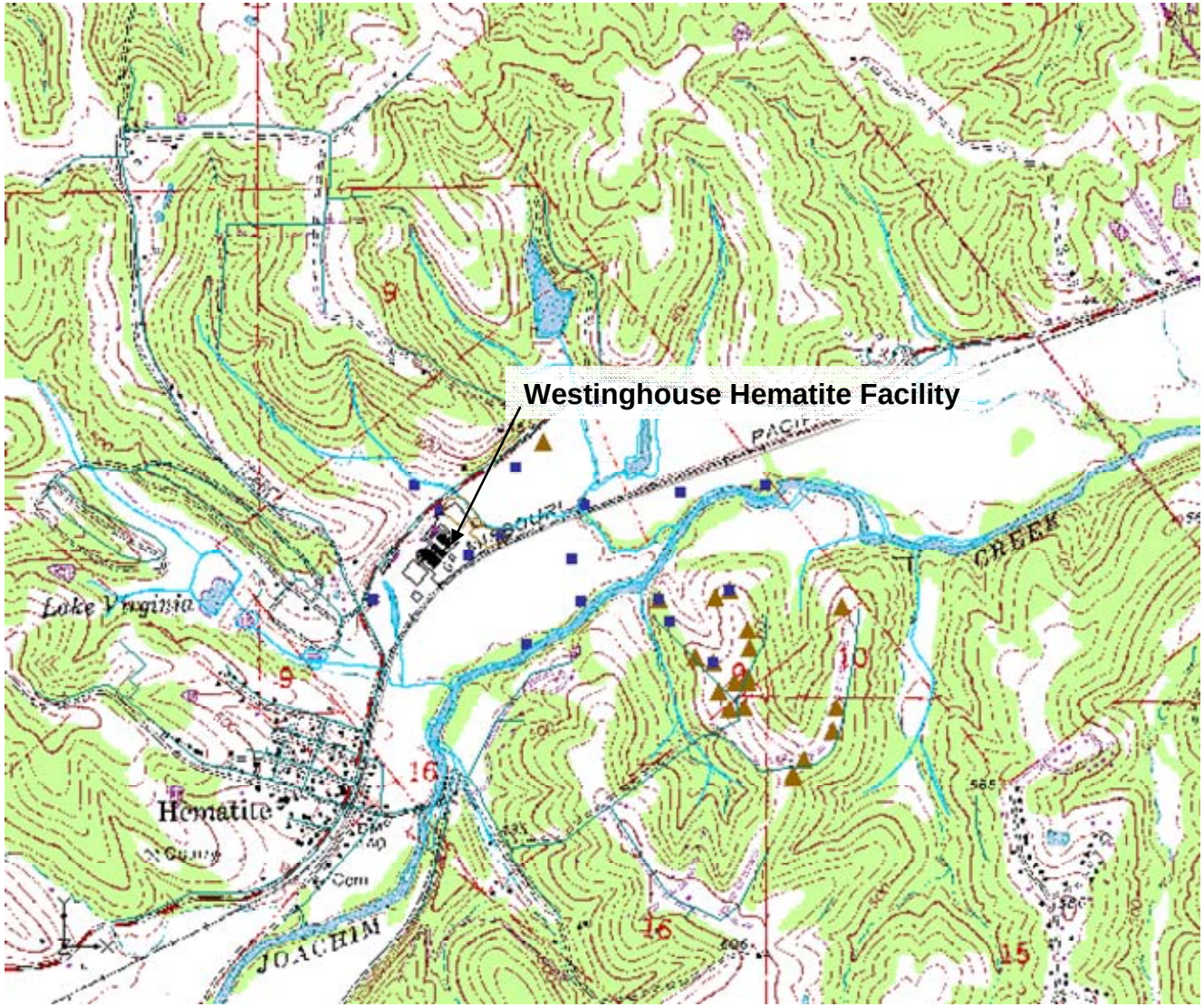

Fig. 1. Hematite Facility location shown on topographic map.

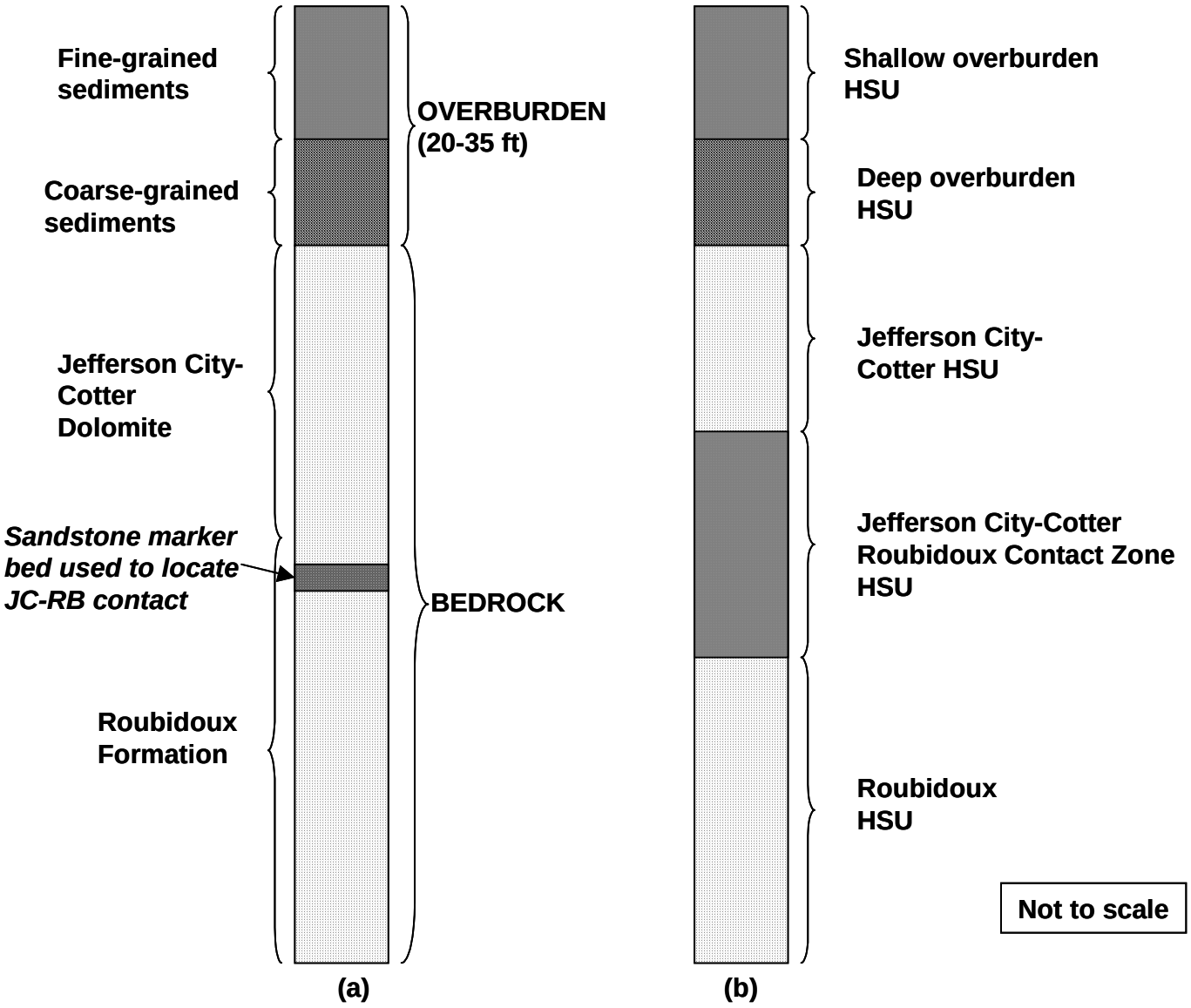

Fig. 2. Lithologies (a) and hydrostratigraphic units (HSU) (b) underlying the Hematite Site.

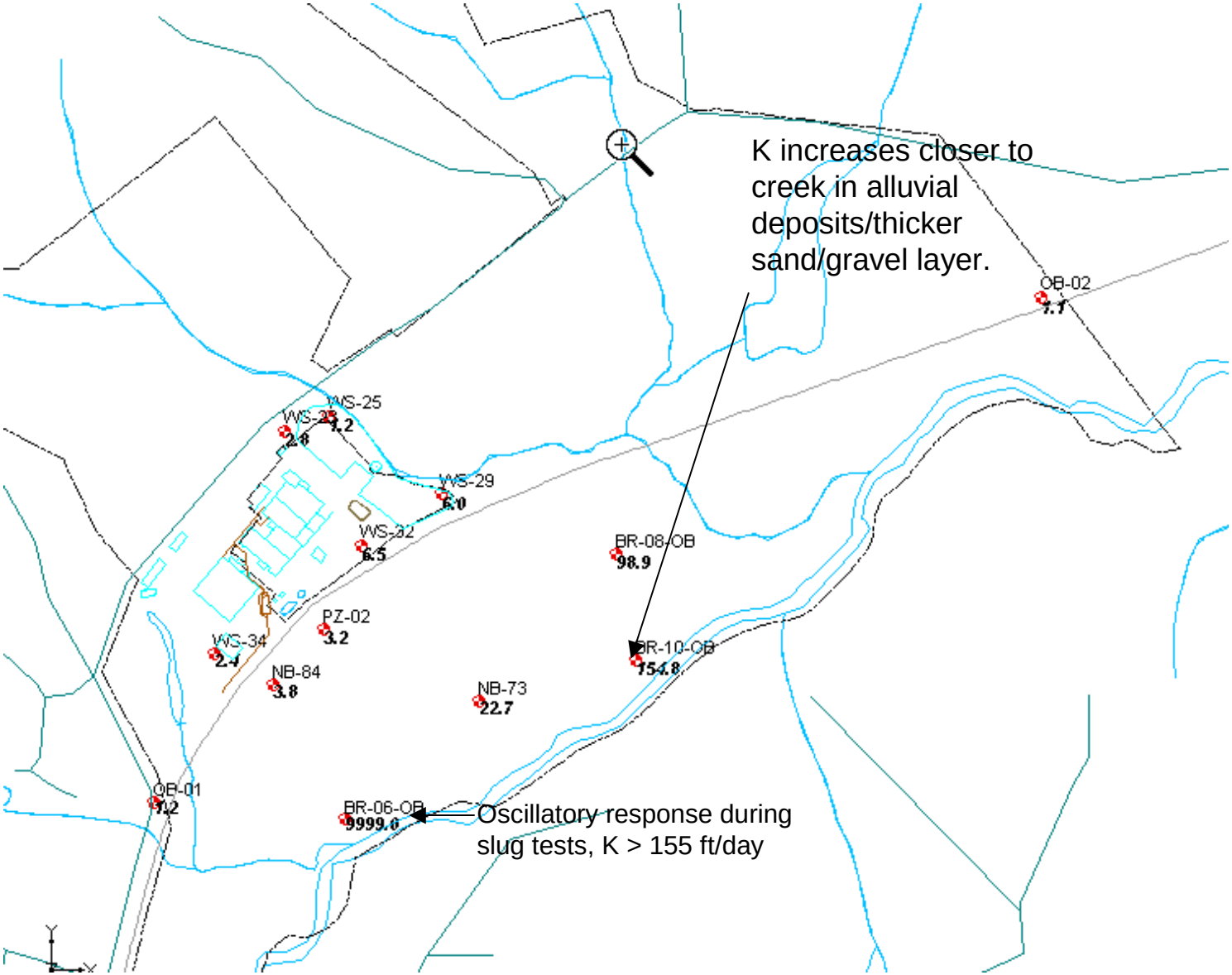

Fig. 3. Hydraulic conductivities (ft/day) measured from slug tests in overburden wells.

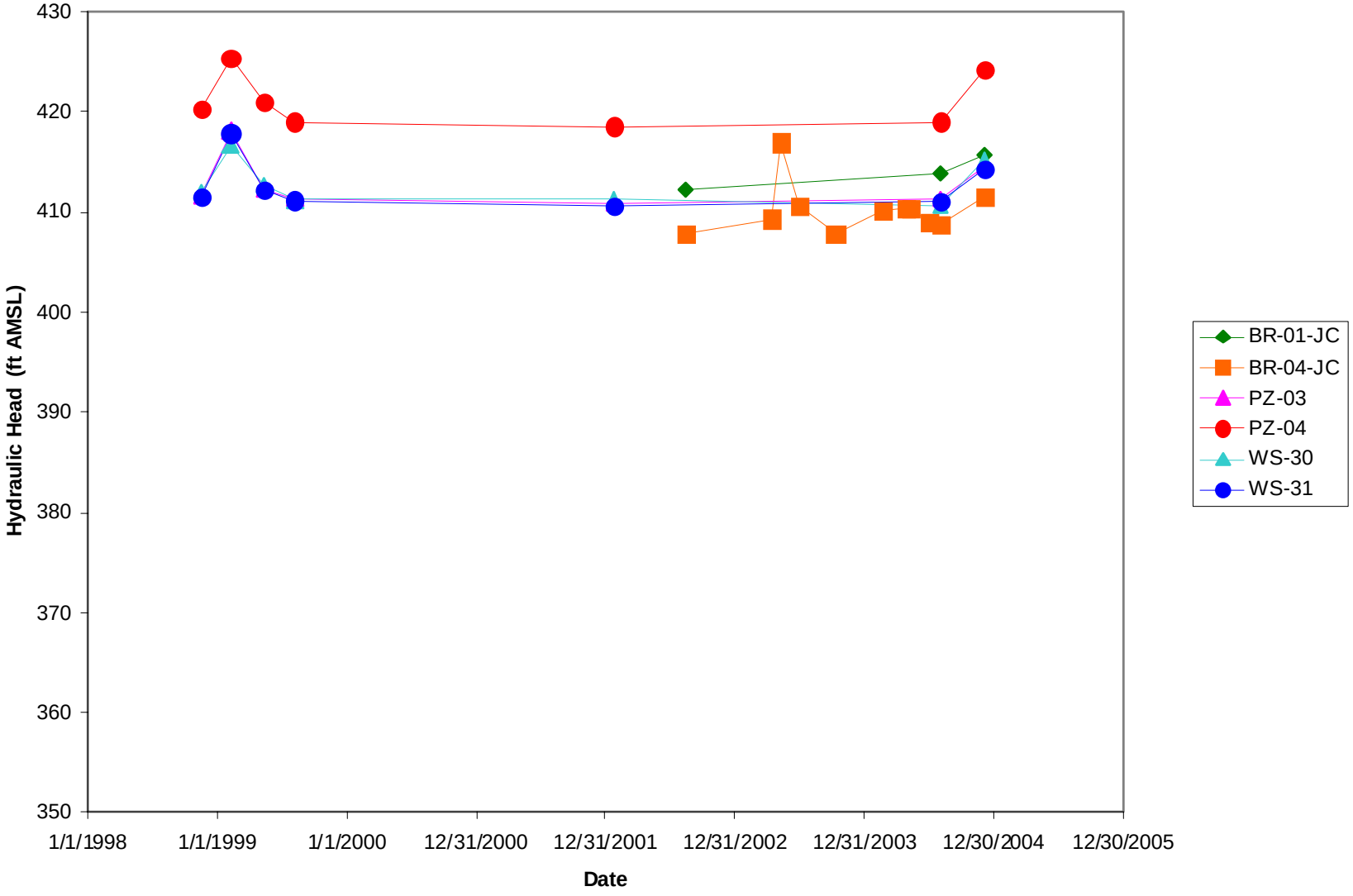

Fig. 4. Well hydrographs from the Jefferson-City Cotter Formation.

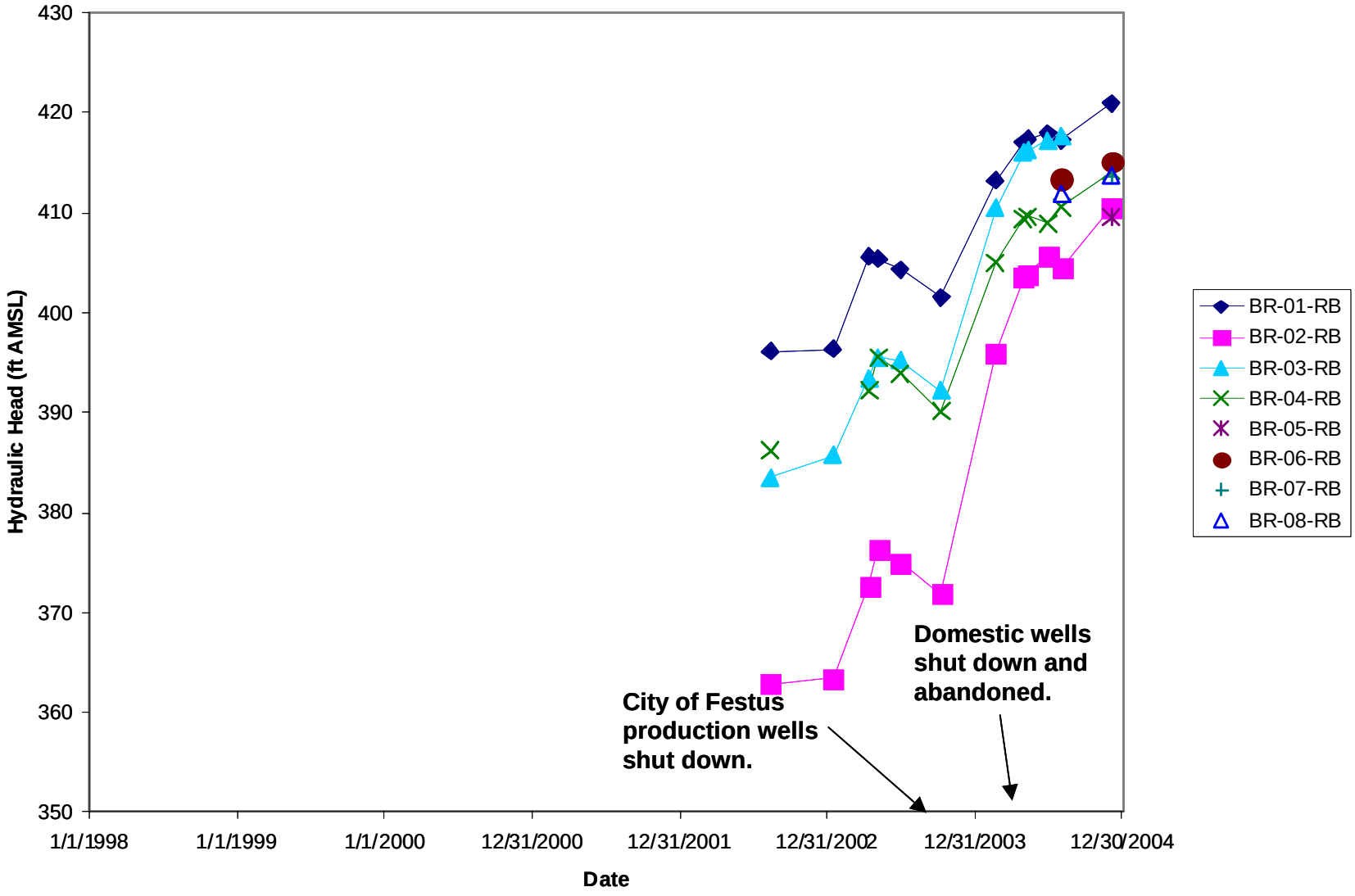

Fig. 5. Well hydrographs from the Roubidoux Formation.

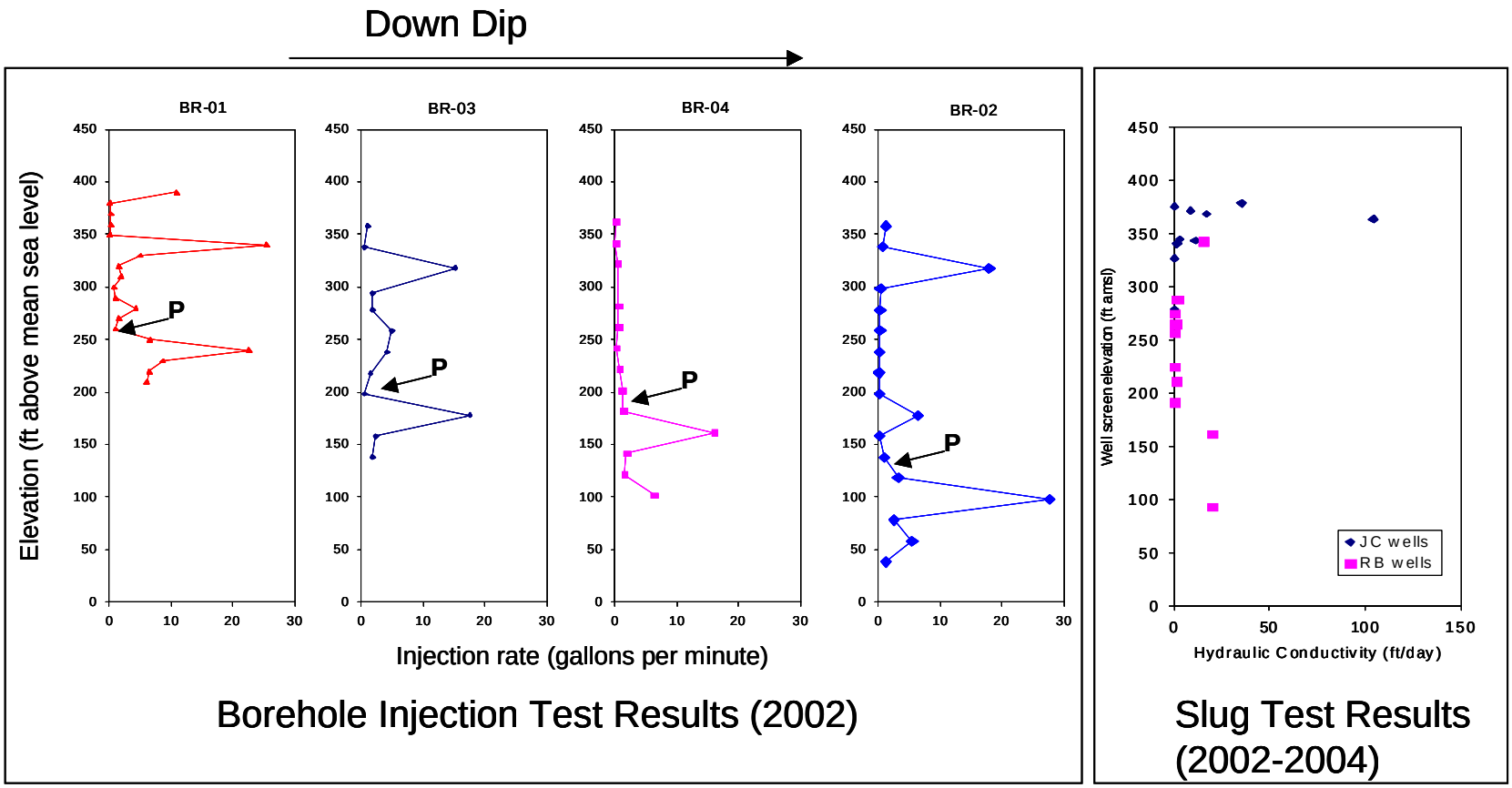

Fig. 6. Borehole injection test results (LBG 2002) and hydraulic conductivities from slug testing in bedrock wells (LBG 2002, SAIC 2007). (Plane fitted through points marked "P" was used to define the upper boundary of the Roubidoux HSU layer.)

Water Levels in Deep Overburden Wells Dec 2004

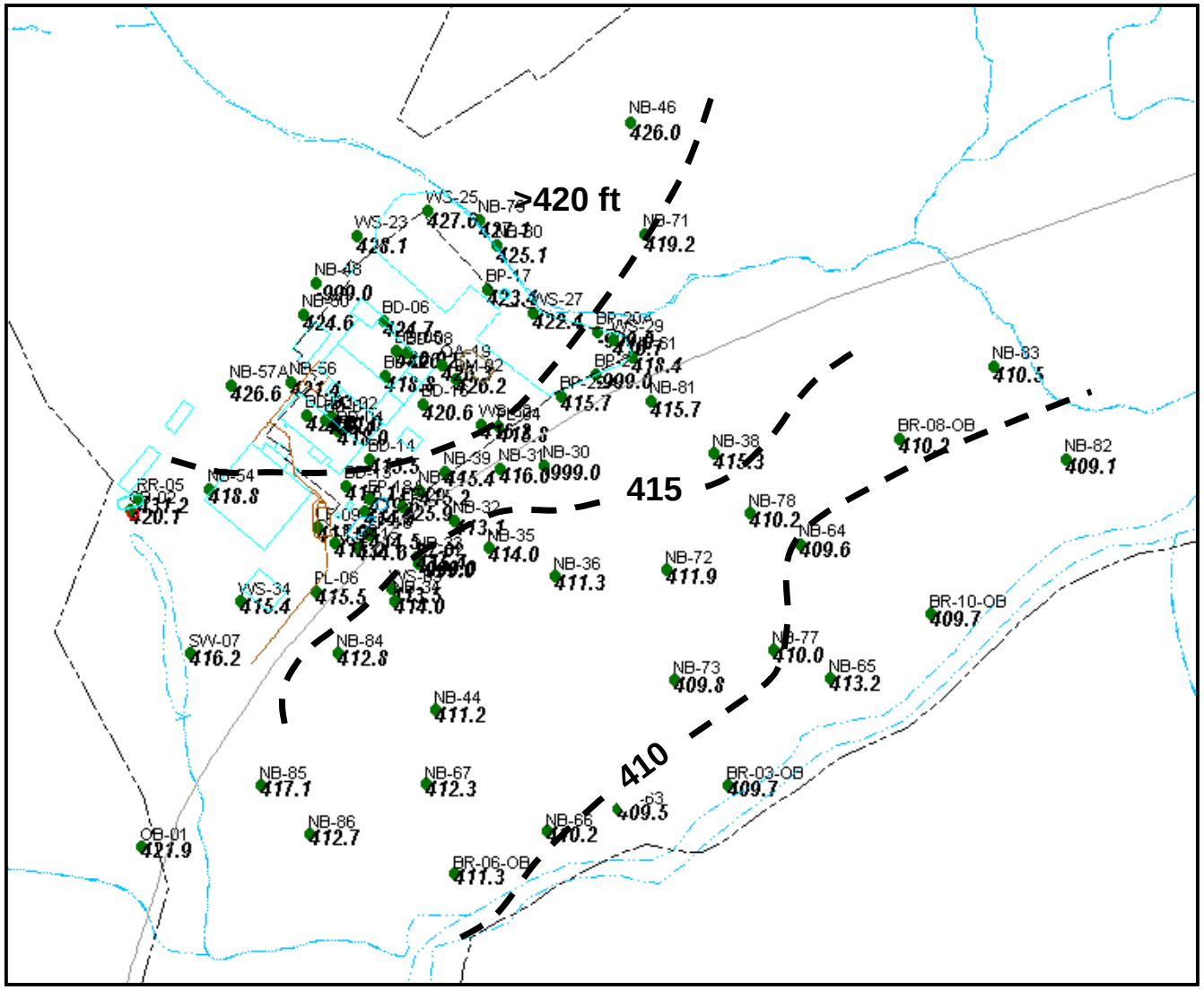

Fig. 7. Potentiometric surface (ft above mean sea level) in the deep overburden (coarse-grain) hydrostratigraphic unit, December 2004.

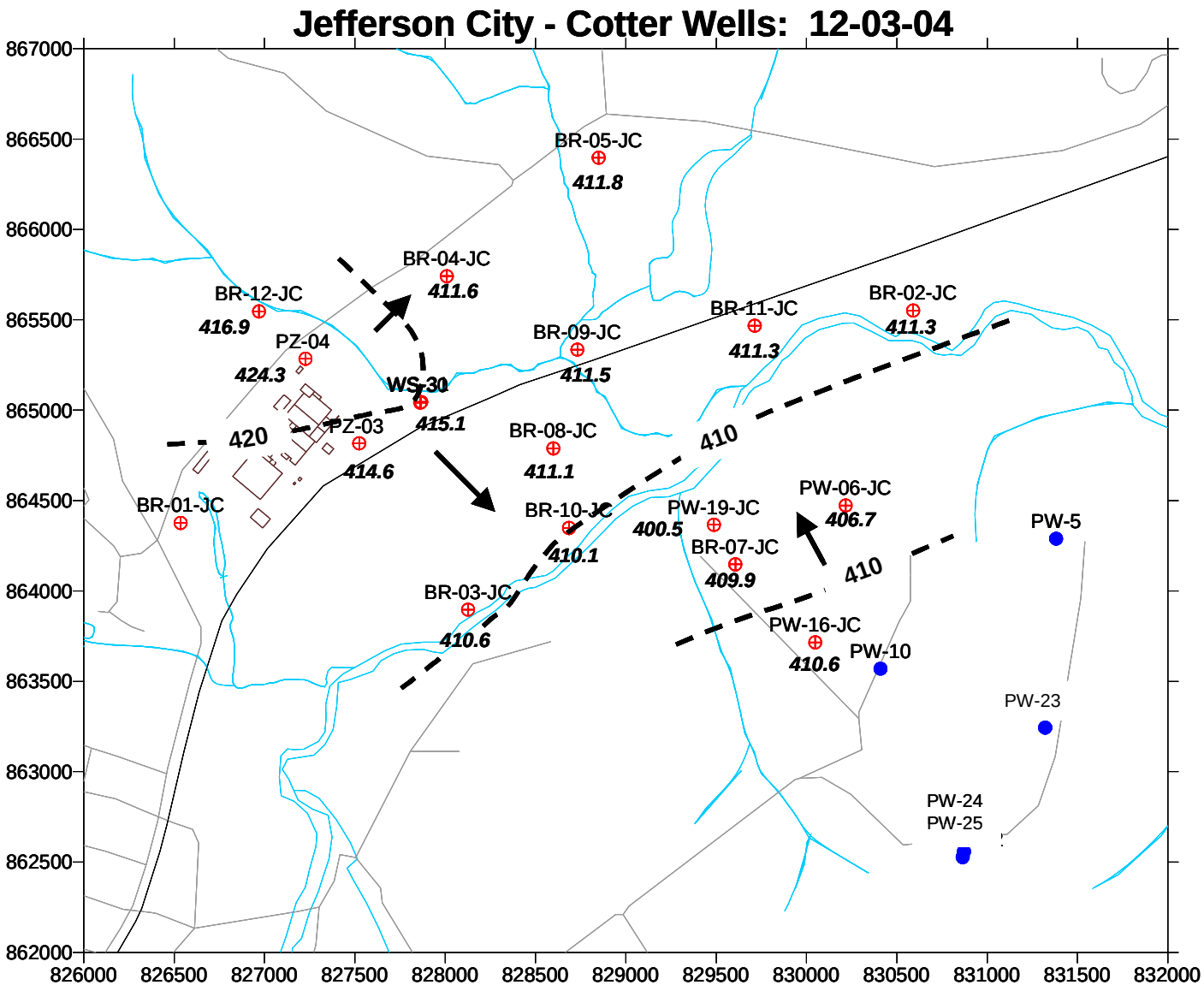

Fig. 8. Potentiometric surface (ft above mean sea level) in the Jefferson City-Cotter hydrostratigraphic unit, December 2004.

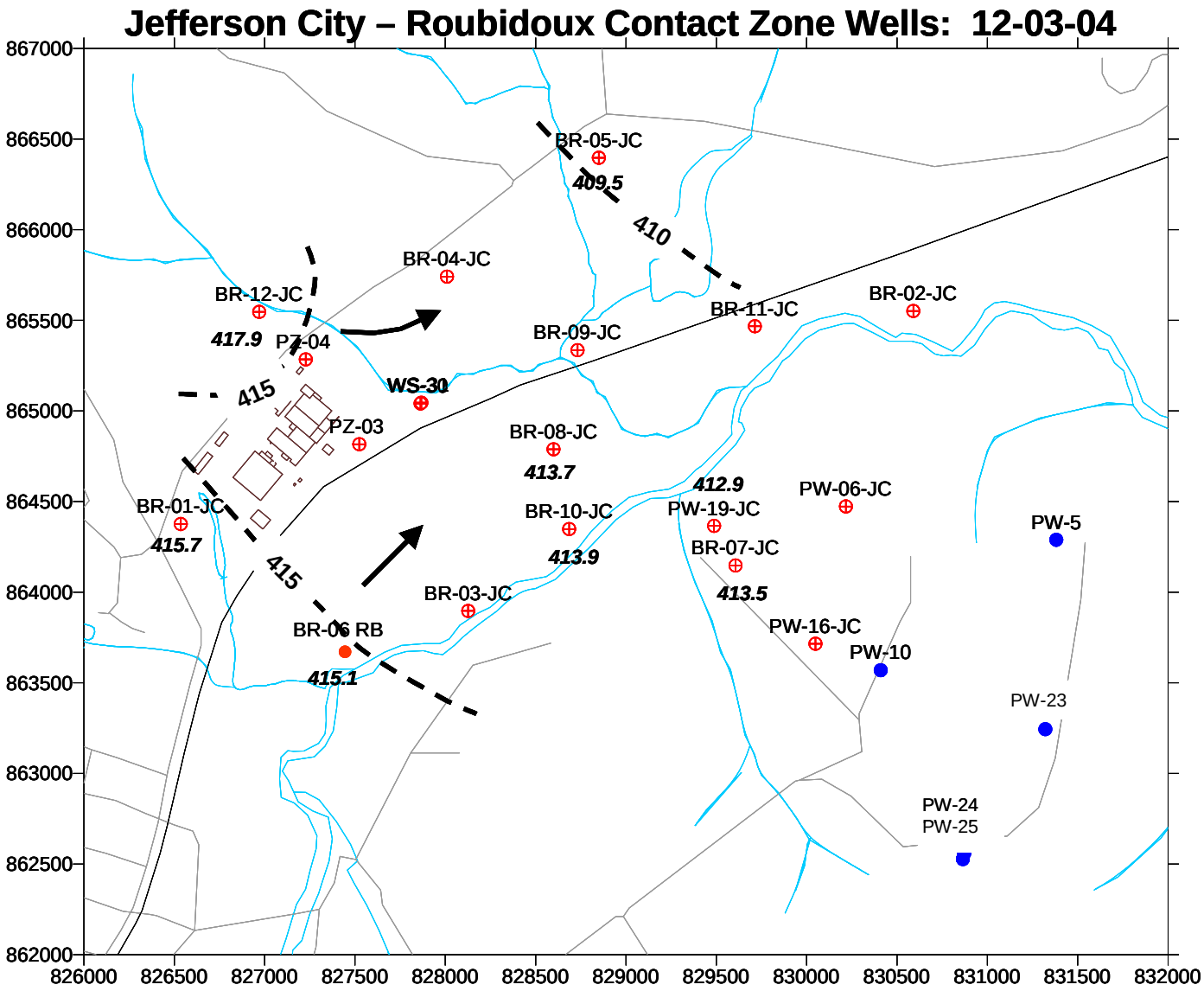

Fig. 9. Potentiometric surface (ft above mean sea level) in the Jefferson City-Cotter-Roubidoux contact zone hydrostratigraphic unit, December 2004.

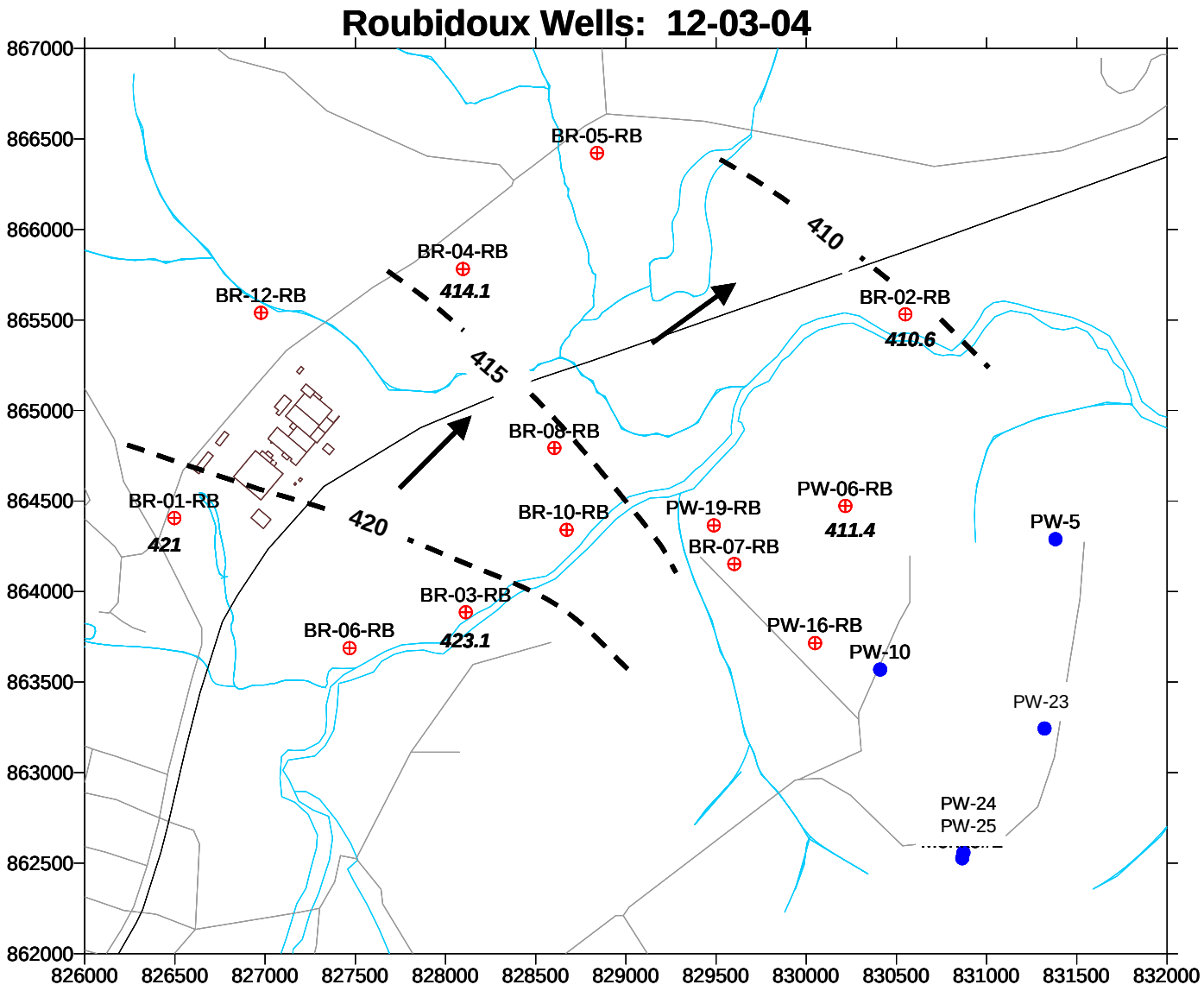

Fig. 10. Potentiometric surface (ft above mean sea level) in the Roubidoux hydrostratigraphic unit, December 2004.

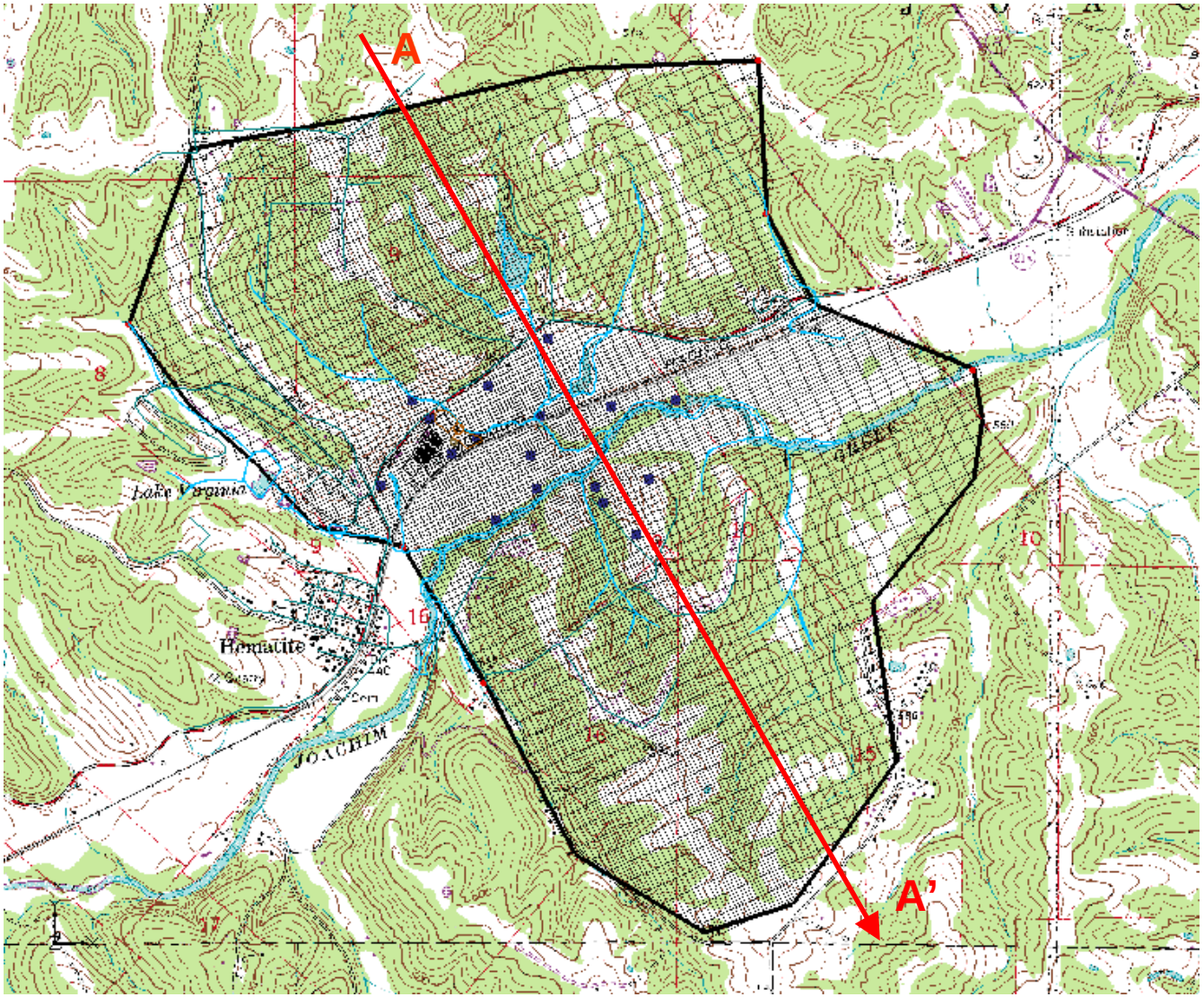

Fig. 11. Plan view of MODFLOW/RT3D model domain for the Hematite Site, bounded by solid black line. [Model grid also shown; blue dots correspond to bedrock well locations; Line A-A' corresponds to the cross-section shown in Fig. 14.)]

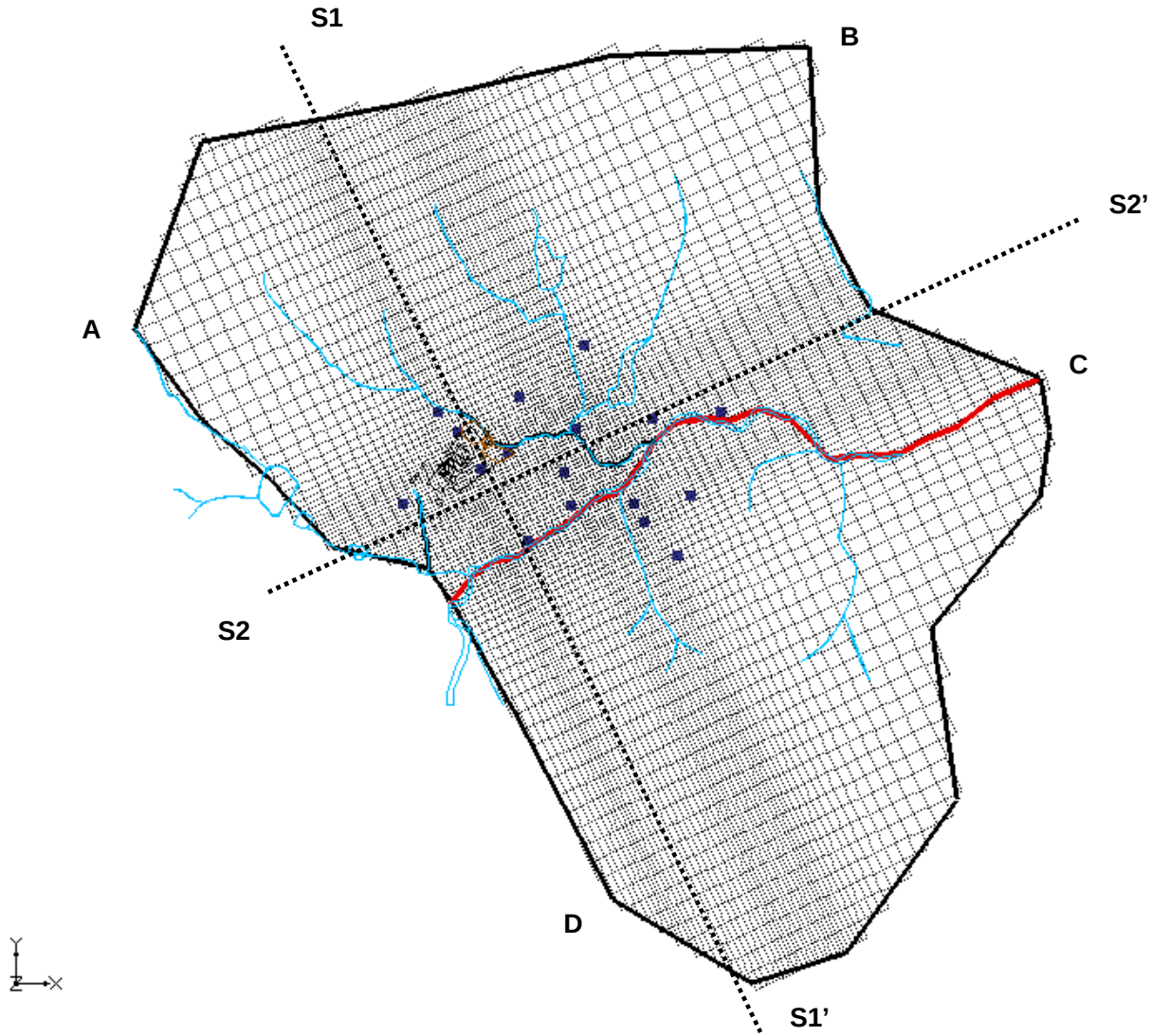

Fig. 12. Plan view of model grid. [The red line corresponds to Joachim Creek; grid cells in Layer 1 that lie along this line are specified head cells; arcs A-D and B-C are specified head arcs in Layers 8 and 9 (see text for more details); Lines S1-S1' and S2-S2' correspond to cross-sections of model grid shown in Figs. 13 and 14, respectively.)]

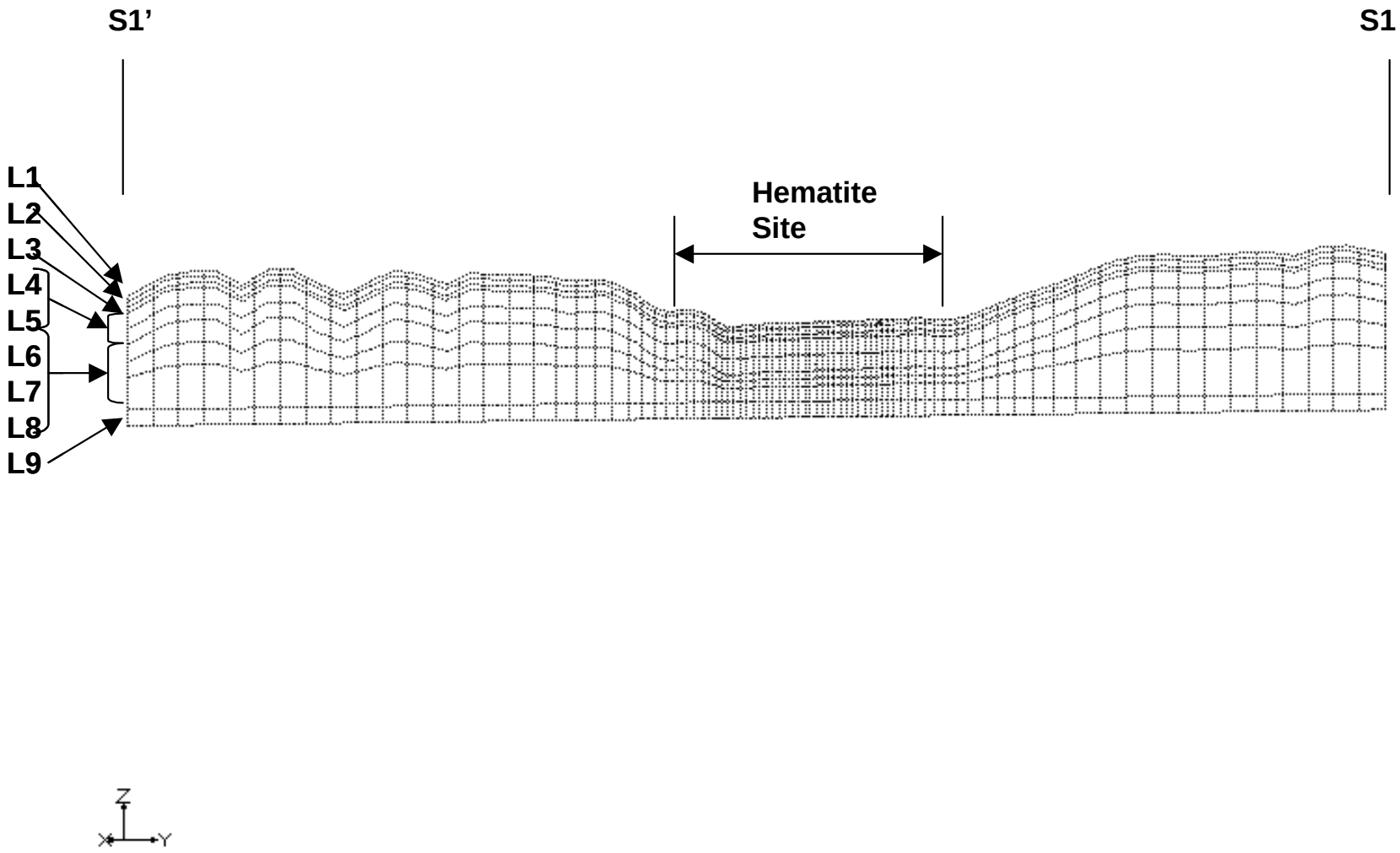

Fig. 13. Elevation view of model grids facing southwest. (Refer to Fig. 12 for orientation of cross-section.)

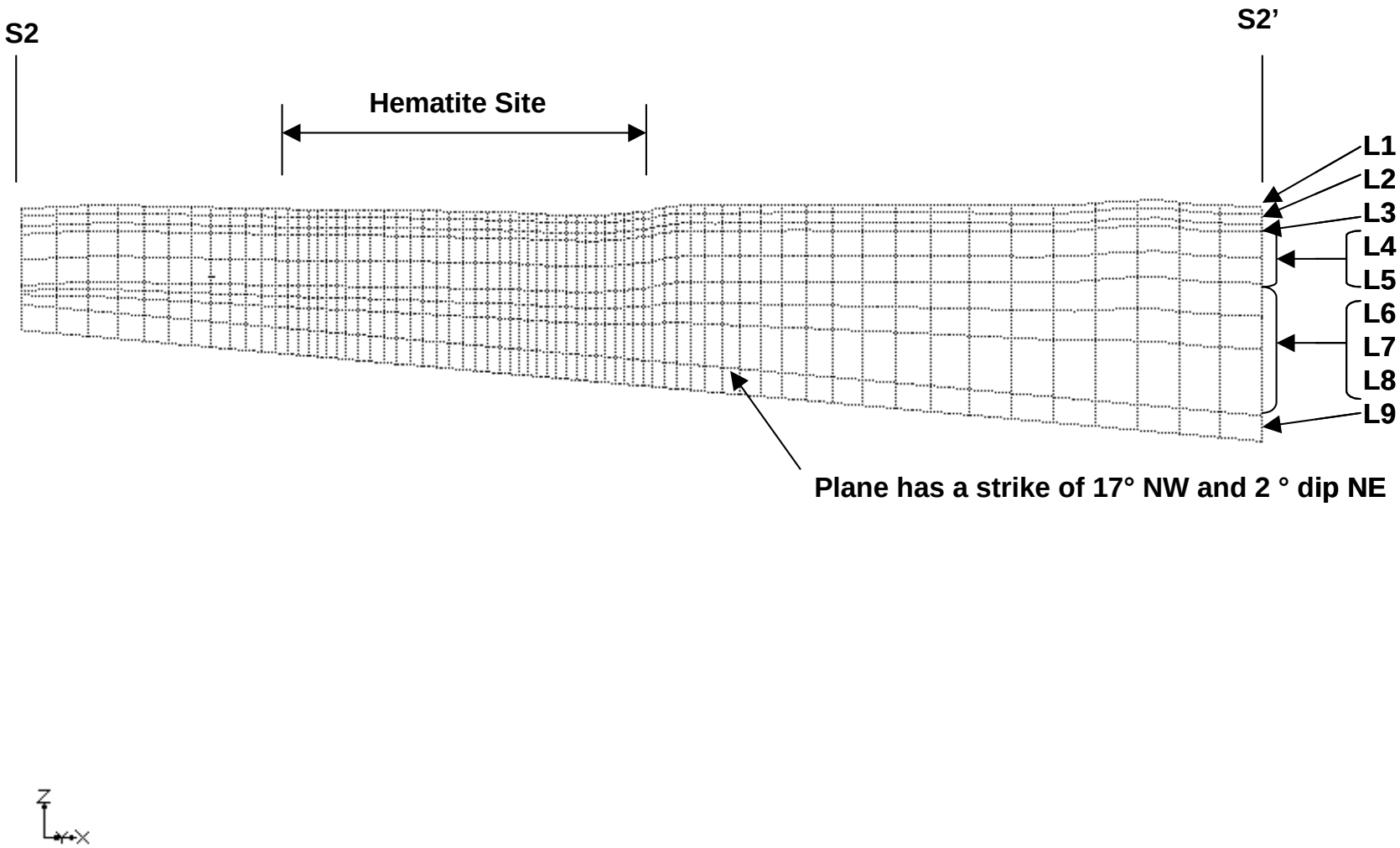

Fig. 14. Elevation view of model grid, looking northwest (Refer to Fig. 12 for orientation of cross-section.)

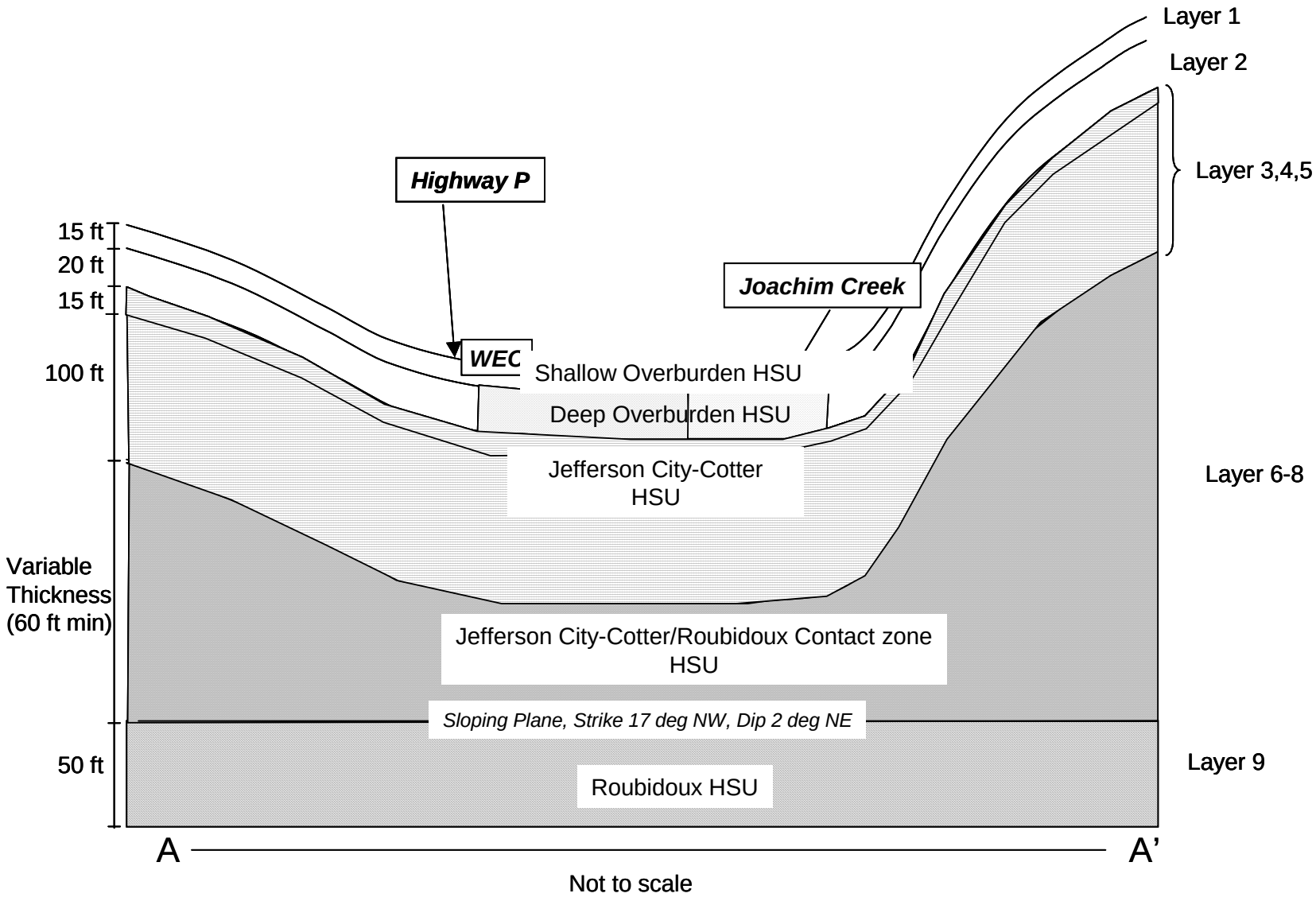

Fig. 15. Hydrostratigraphic units and corresponding layers represented in MODFLOW model. (Cross-section A-A' in Fig. 11, trending northwest-southeast.)

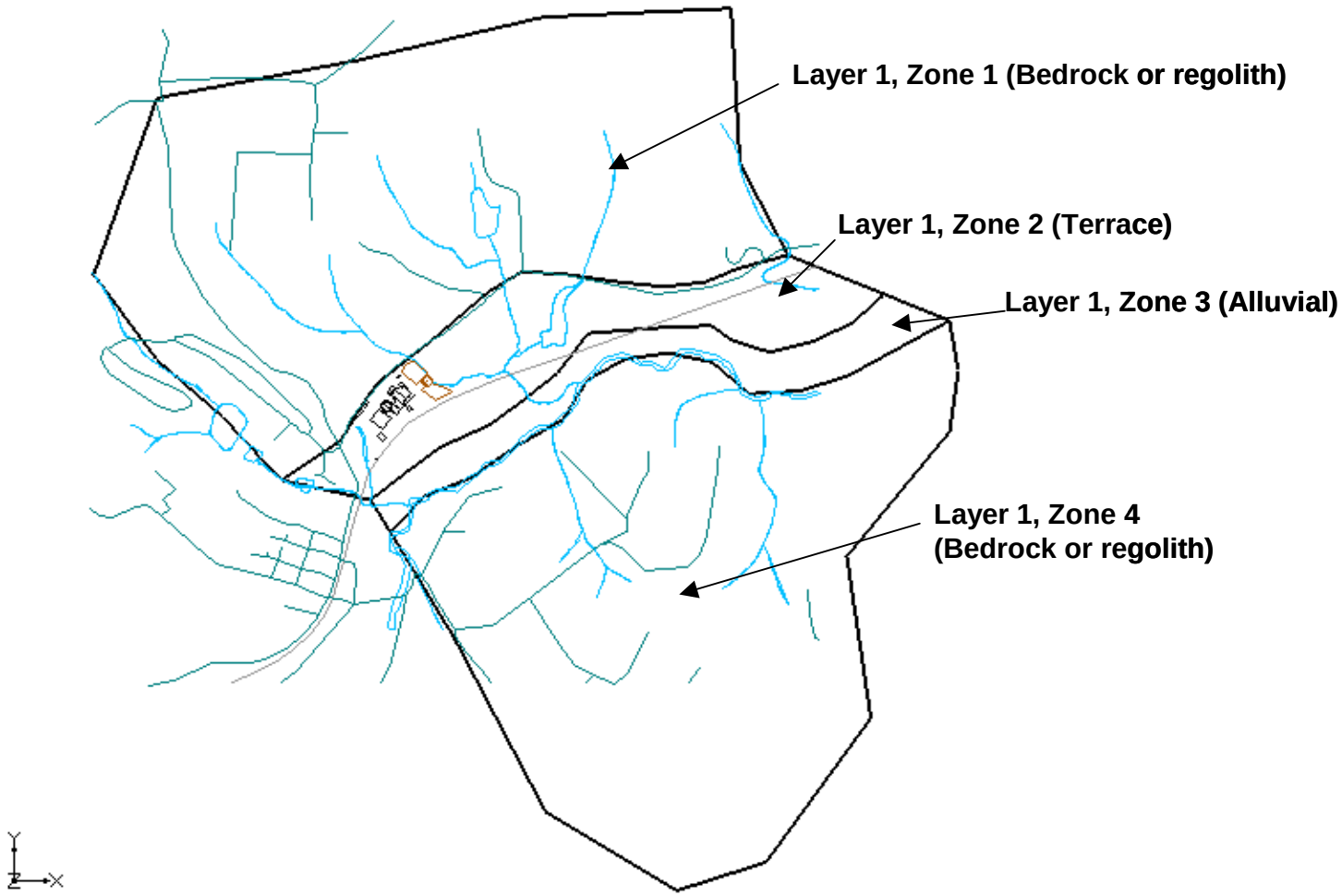

Fig. 16. Constant property zones within Layer 1. (Zone 1 and Zone 4 correspond to bedrock in the highlands on either side of Joachim Creek Valley; Zone 2 corresponds to the thick, fine-grained sediments in the terrace deposits; Zone 3 corresponds to the thinner, fine-grained deposits in the alluvial sediments.)

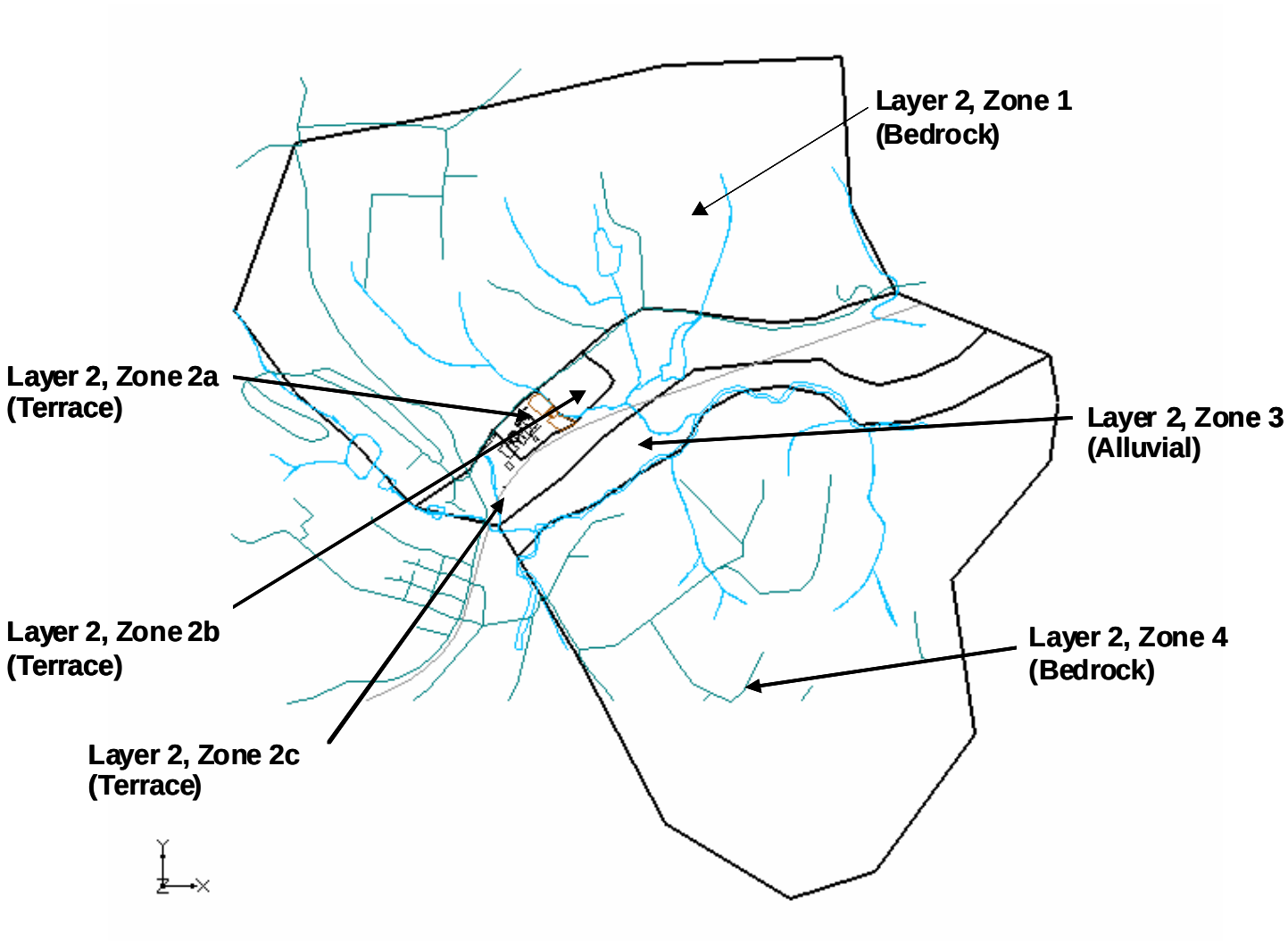

Fig. 17. Constant property zones within Layer 2. (Zone 1 and Zone 4 correspond to bedrock in the highlands on either side of Joachim Creek Valley; Zone 2 corresponds to the thicker, fine-grained sediments in the terrace deposits; Zone 3 corresponds to the thinner, fine-grained deposits in the alluvial sediments.; refer to the text for a description of Zones 2a, 2b and 2c.)

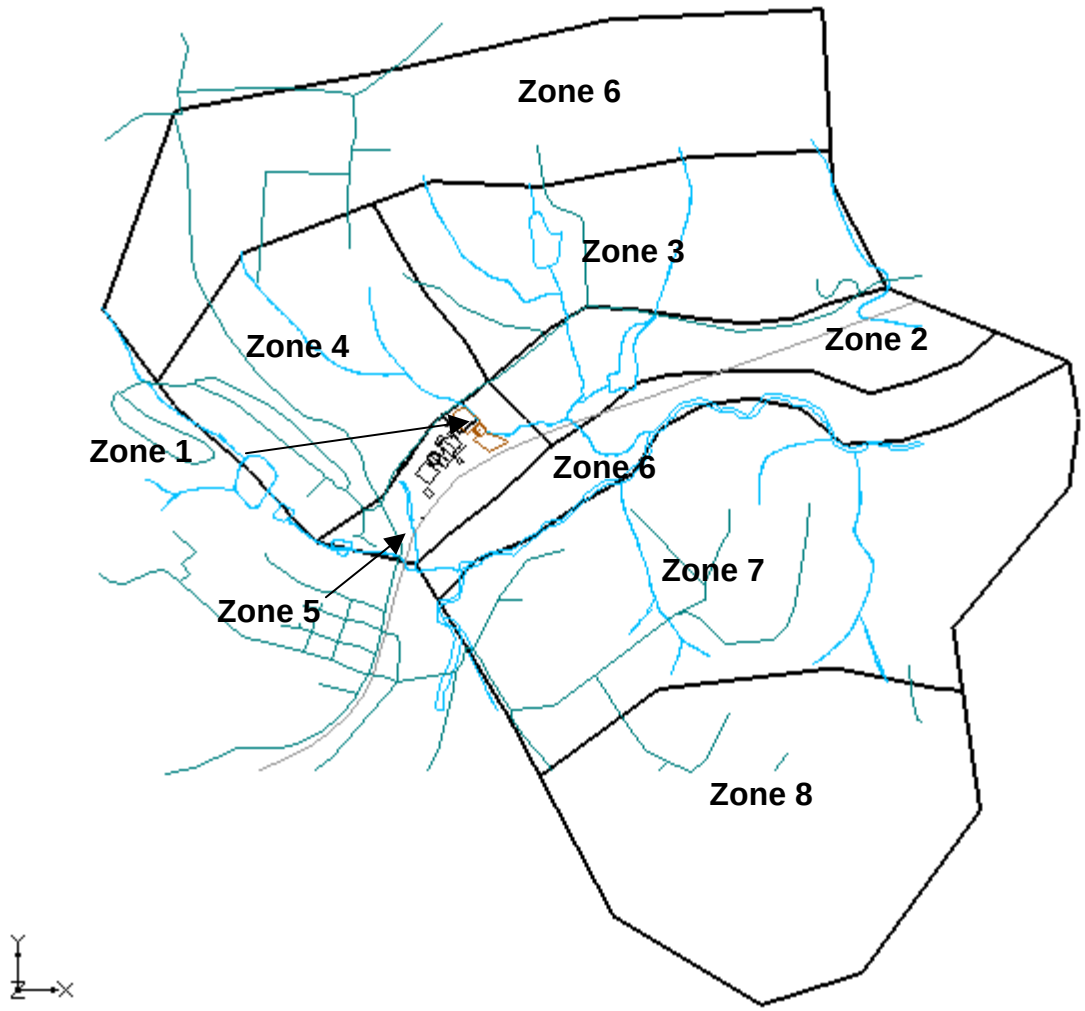

Fig. 18. Recharge zones for the Hematite Site MODFLOW mode.

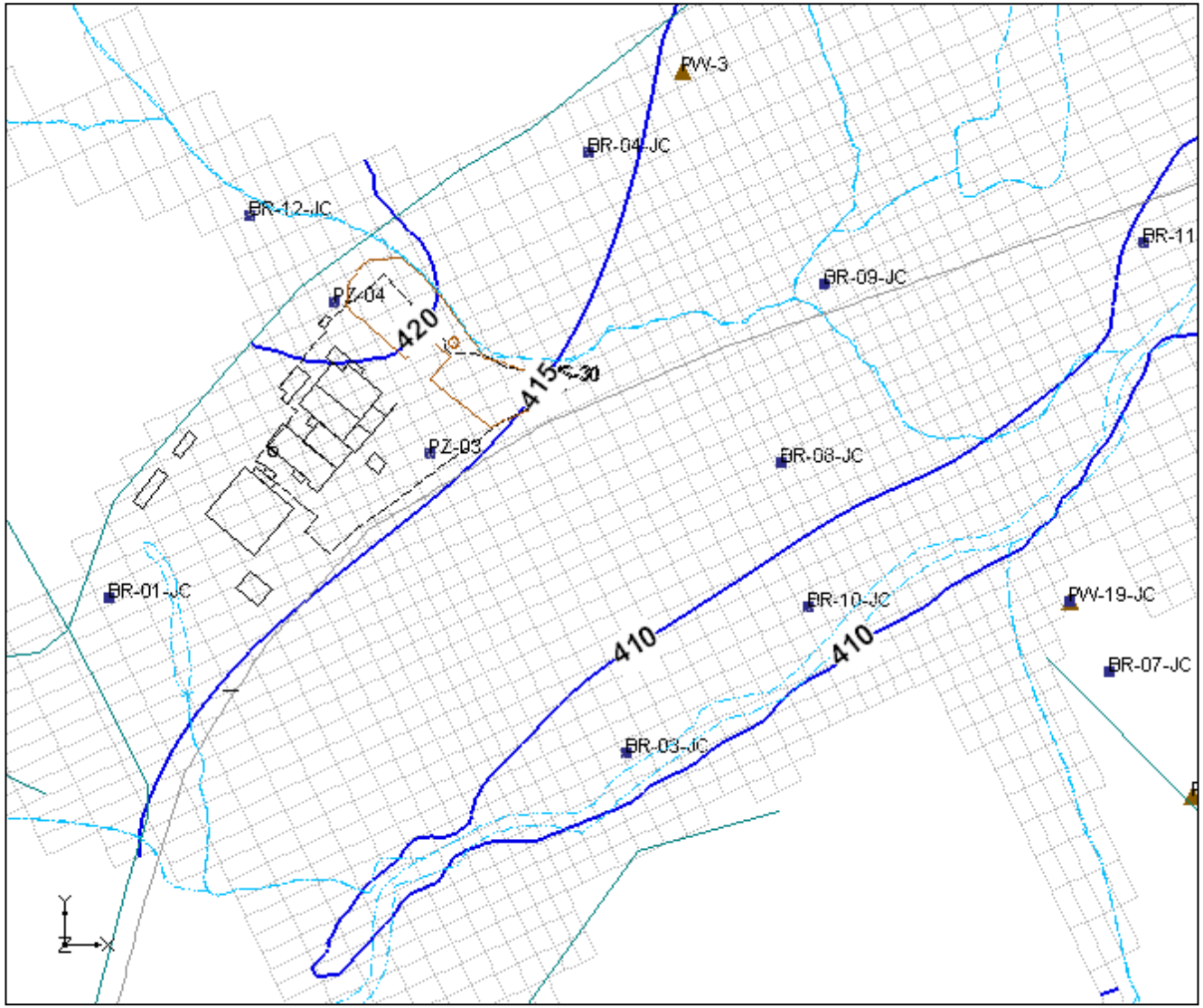

Fig. 19. Potentiometric surface (ft above mean sea level) in Layer 2 of calibrated steady-state MODFLOW model. (Layer 2 corresponds to the deep overburden HSU.)

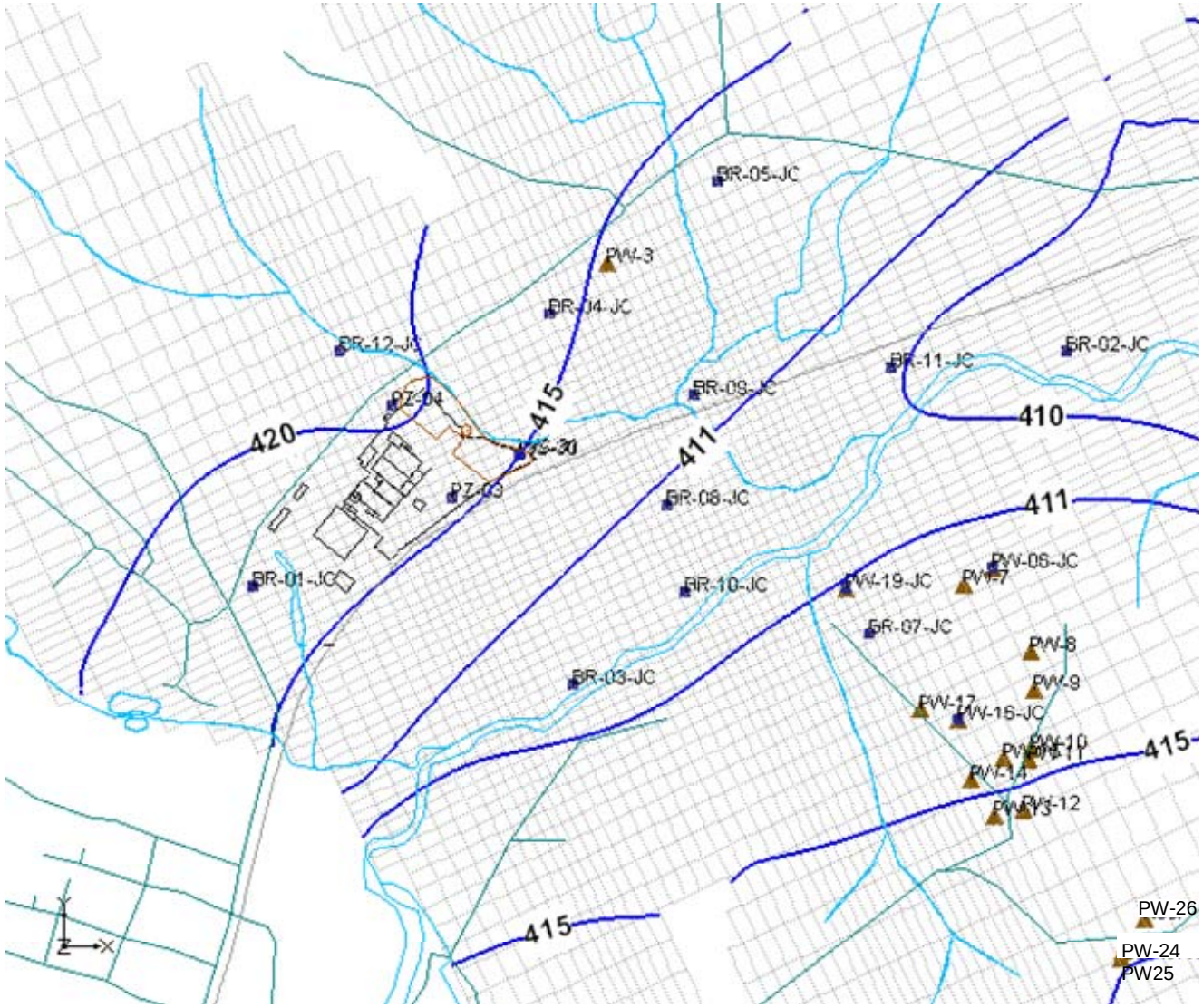

Fig. 20. Potentiometric surface (ft above mean sea level) in Layer 5 of calibrated steady-state MODFLOW model. (Layer 5 corresponds to the Jefferson-City Cotter HSU.)

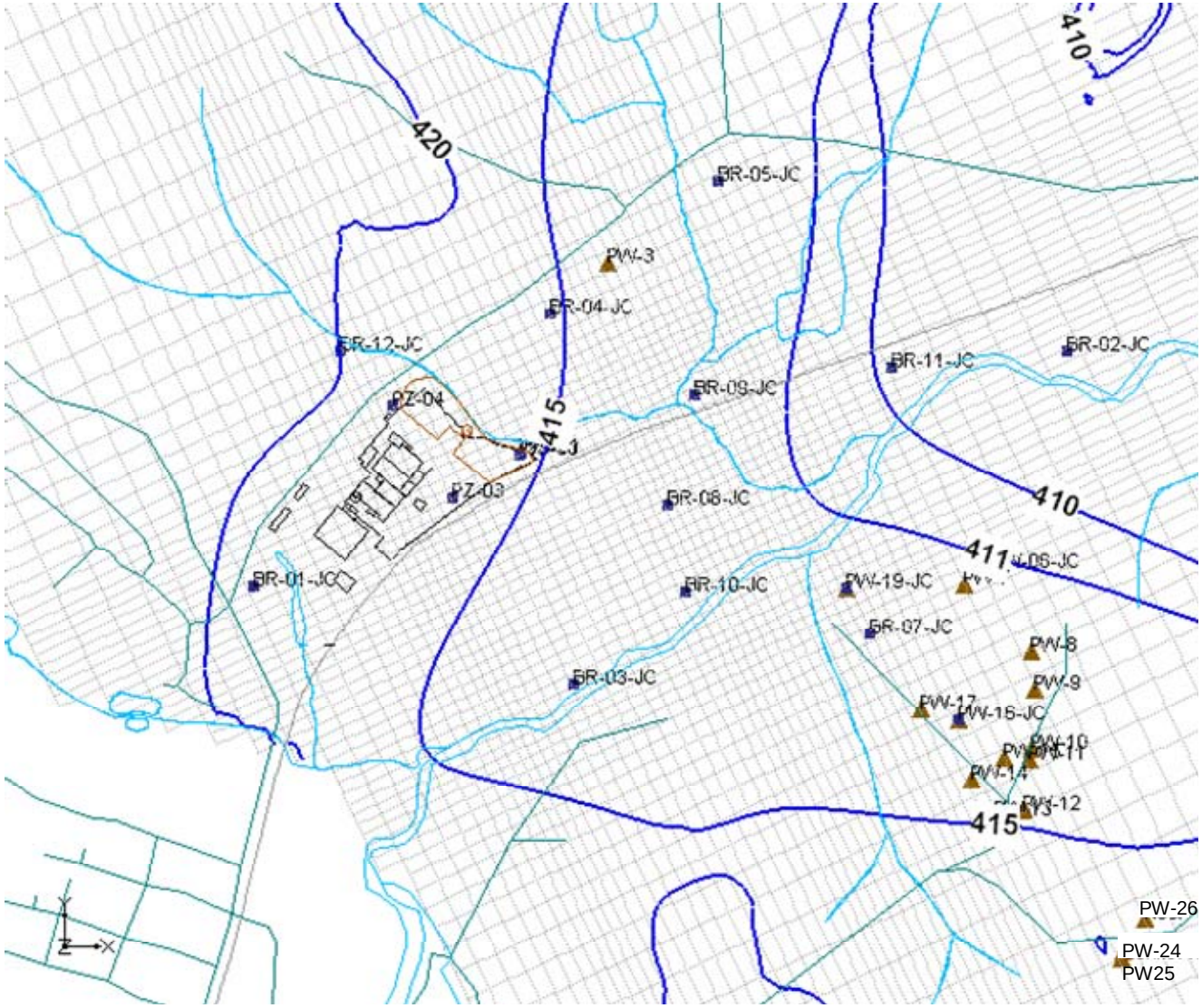

Fig. 21. Potentiometric surface (ft above mean sea level) in Layer 8 of calibrated steady-state MODFLOW model. (Layer 8 corresponds to the Jefferson-City Cotter/Roubidoux contact zone HSU.)

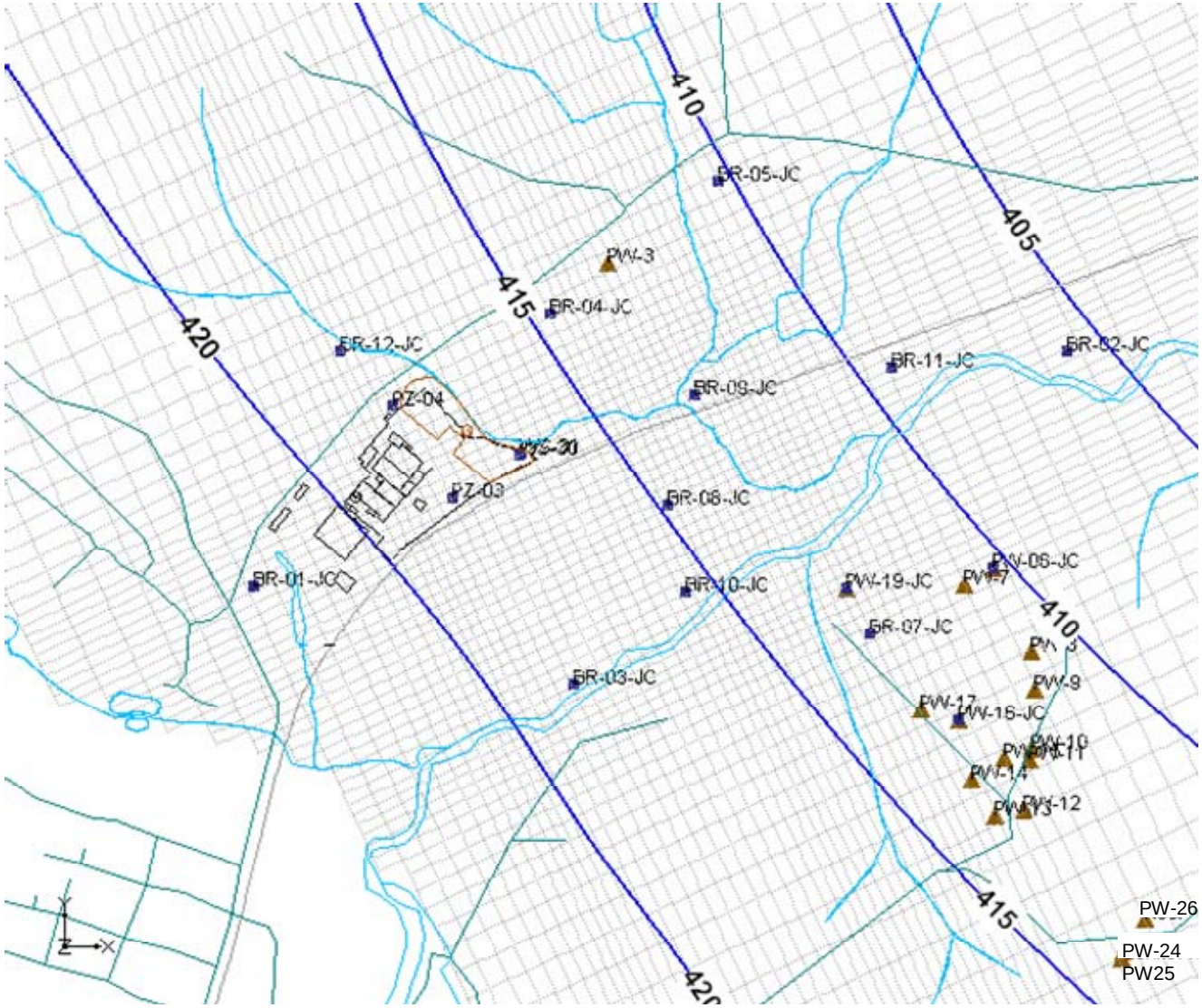

Fig. 22. Potentiometric surface (ft above mean sea level) in Layer 9 of calibrated steady-state MODFLOW model. (Layer 9 corresponds to the Jefferson-City Cotter/Roubidoux contact zone HSU.)

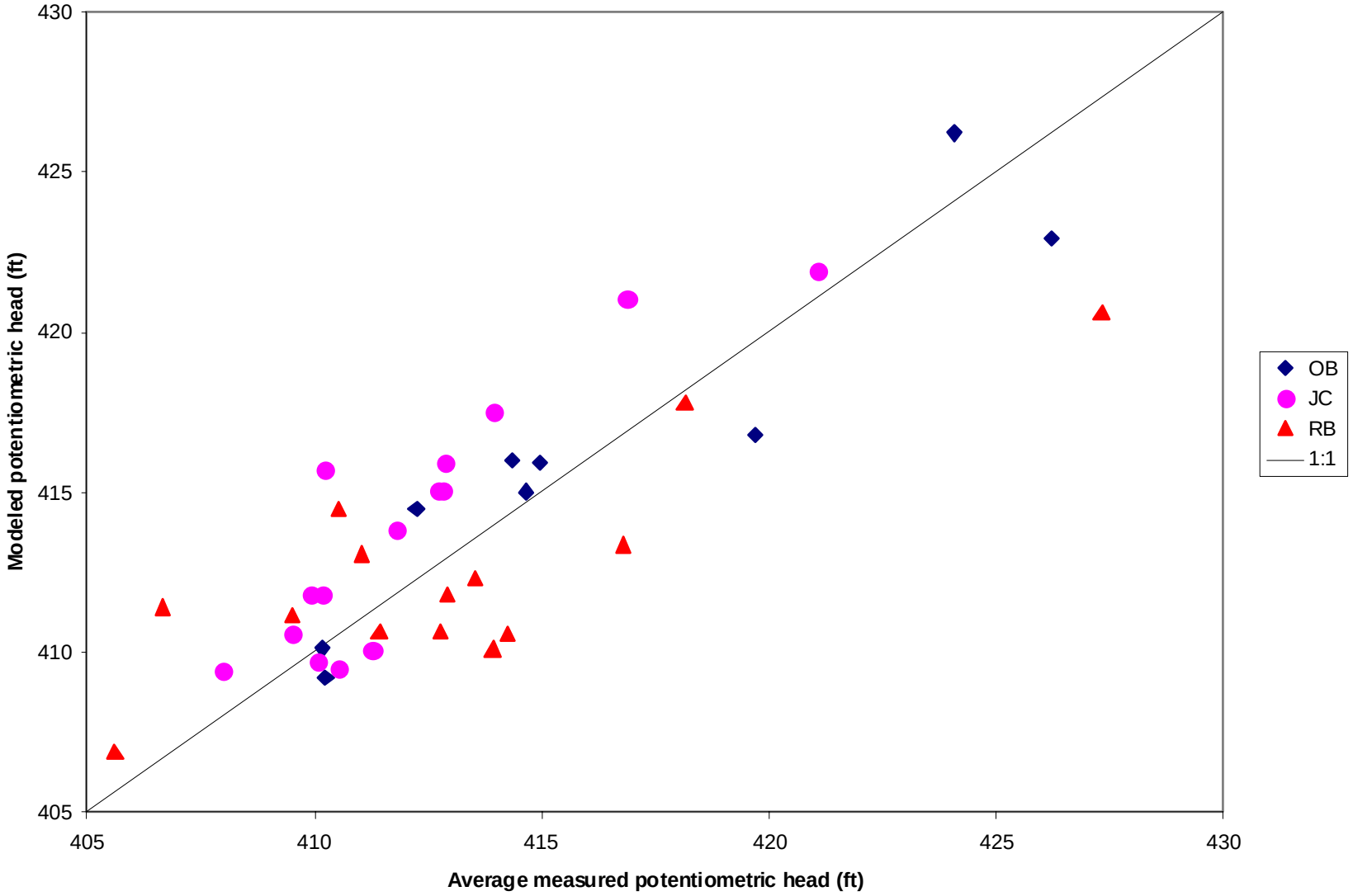

Fig. 23. Comparison between modeled and average measured water levels in wells at the Hematite Site. (Deep overburden (OB), Jefferson City-Cotter (JC), and Roubidoux (RB) wells; see the text for a residual summary.)

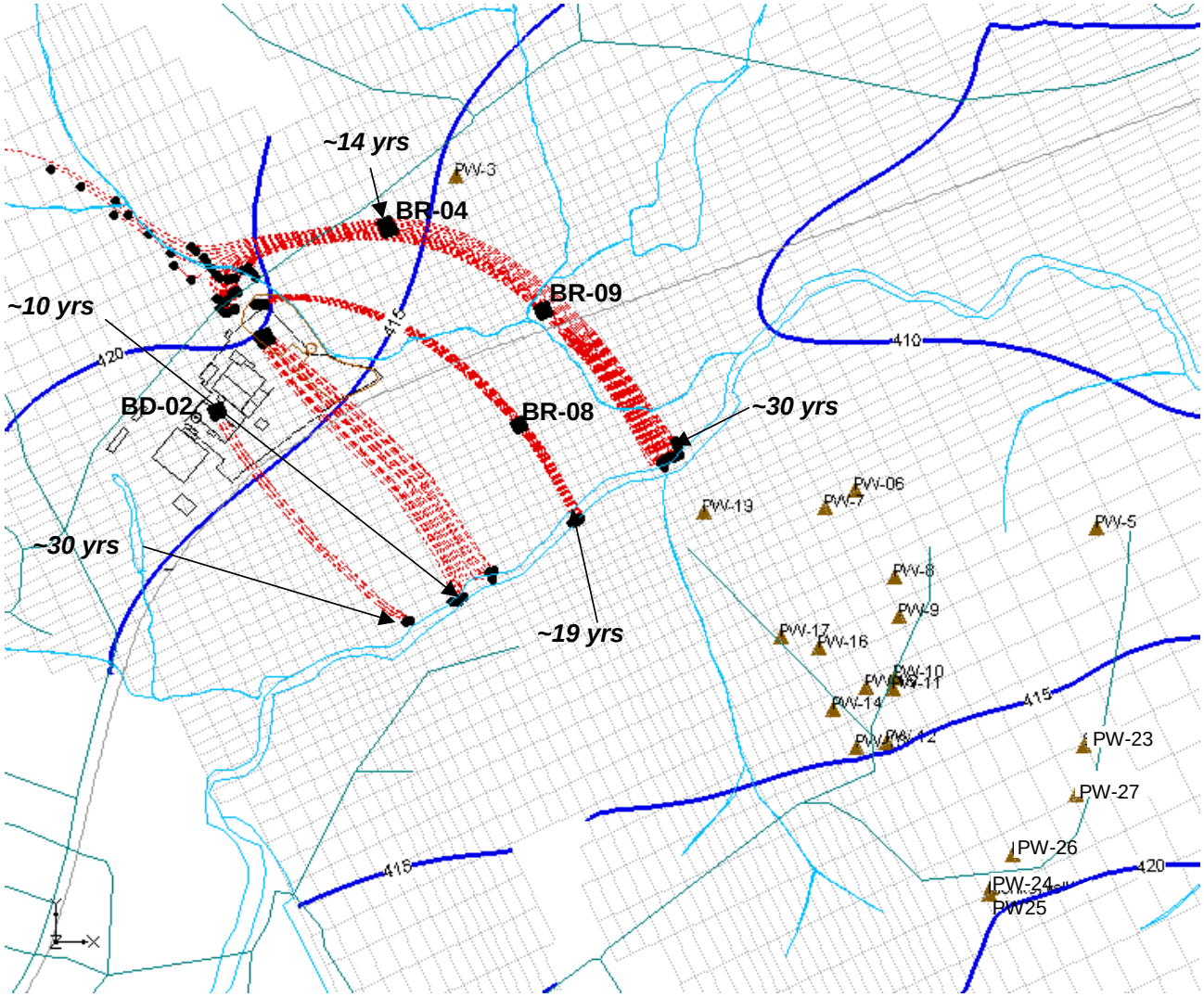

Fig. 24. MODPATH-simulated (forward and backward) particle pathways and travel times. [Blue lines are potentiometric contour lines for layer corresponding to transmissive Jefferson City-Cotter HSU; pumping in private wells at household rates (35 ft^3/day).]. ***Note that particle pathways indicate groundwater flowlines and are not necessarily contaminant pathways.***

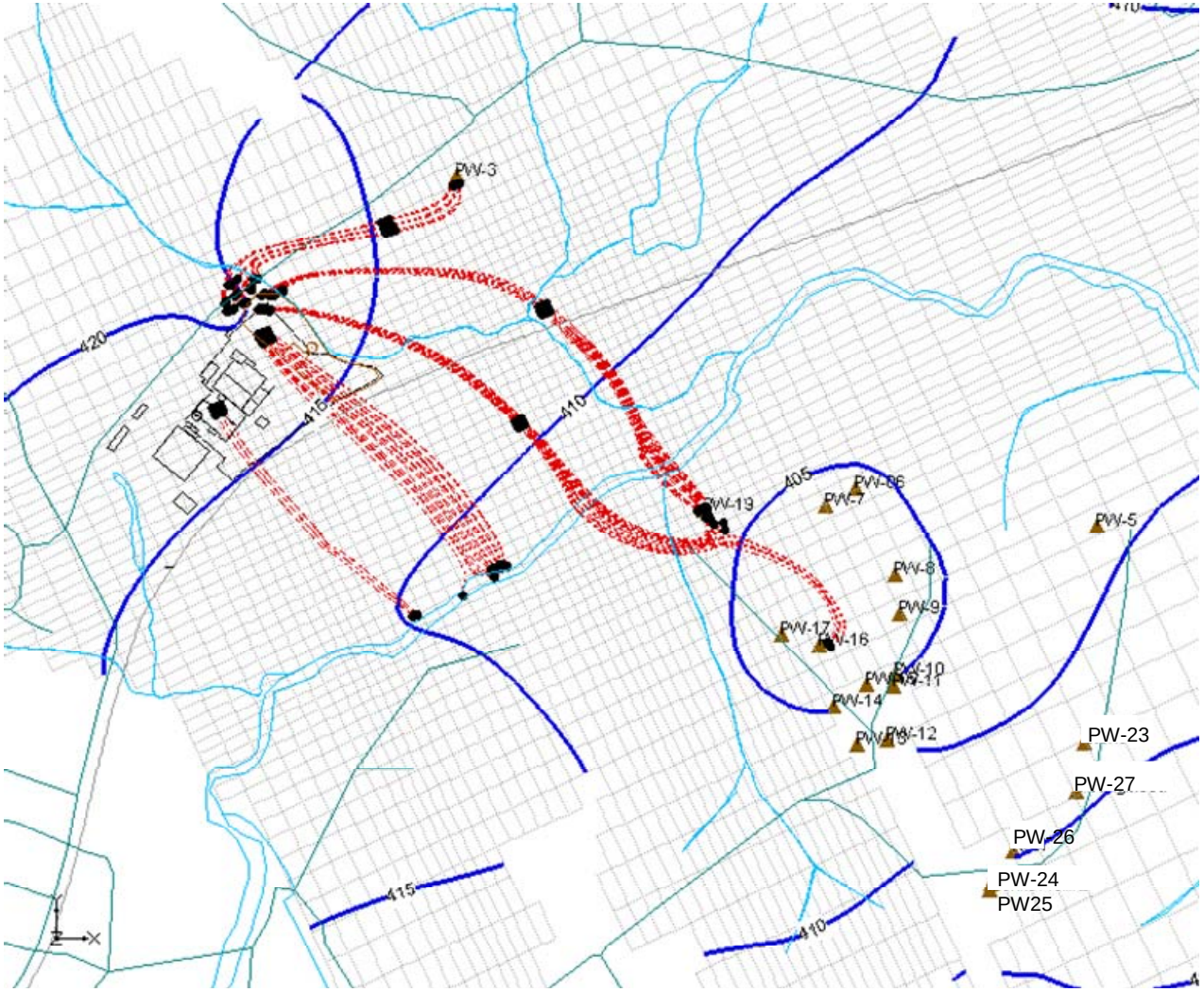

Fig. 25. MODPATH-simulated (forward and backward) particle pathways and travel times. [Blue lines are potentiometric contour lines for layer corresponding to Jefferson City-Cotter HSU; specified extraction flow rate in private wells at 2000 ft^3/day (~10.4 gpm) drawn from Jefferson City-Cotter HSU layer to simulate vertical borehole flow.) ***Note that particle pathways indicate groundwater flowlines and are not necessarily contaminant pathways.***

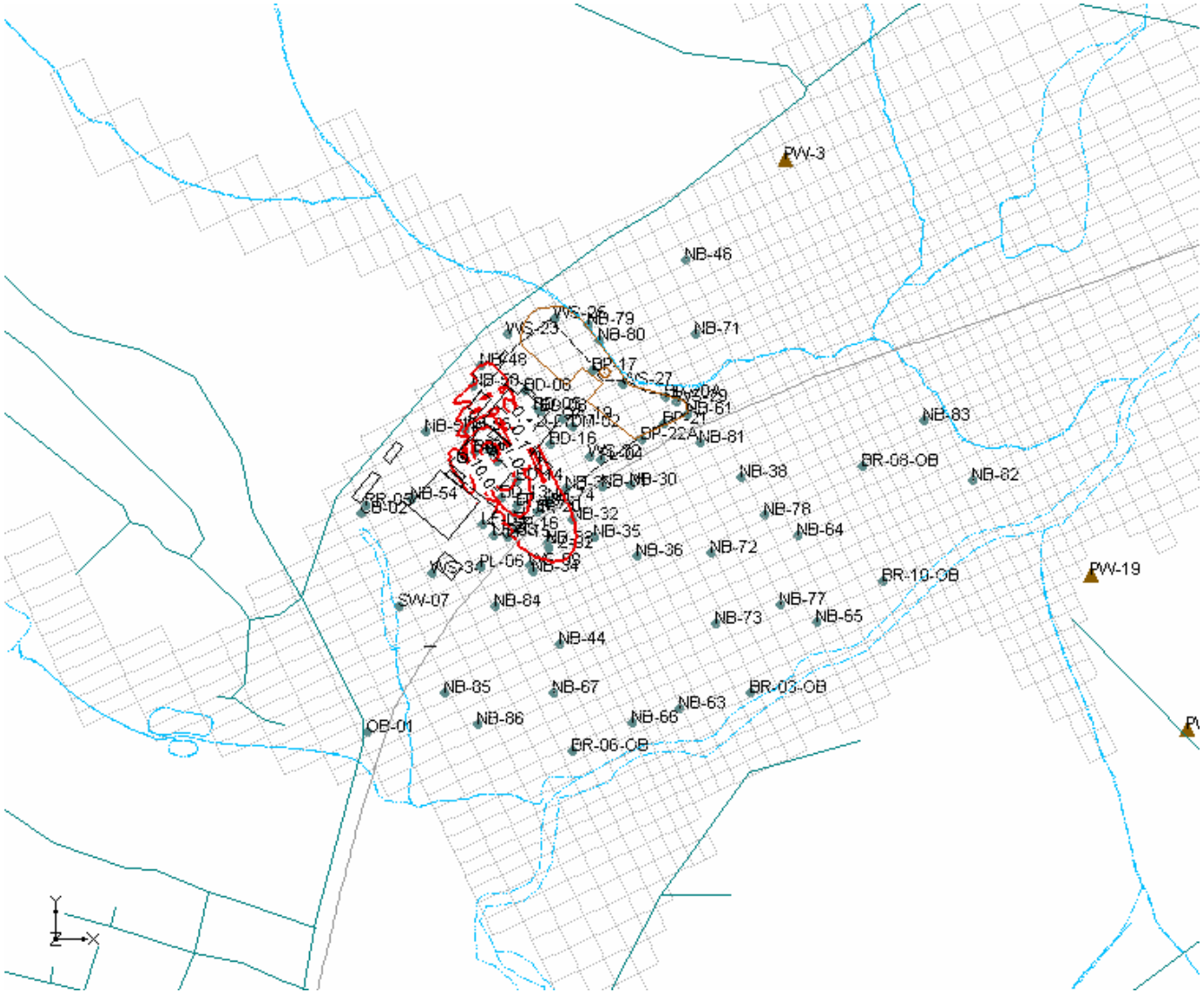

Fig. 26. Simulated PCE concentration contours (mg/L) in layer corresponding to terrace/alluvial deposits at t = 3000 days (~8 years). (Constant concentration source of 200 mg/L PCE placed in cell corresponding to BD-02; simulated using MODFLOW model with vertical borehole flow and RT3D Sequential Decay chemical reaction package.)

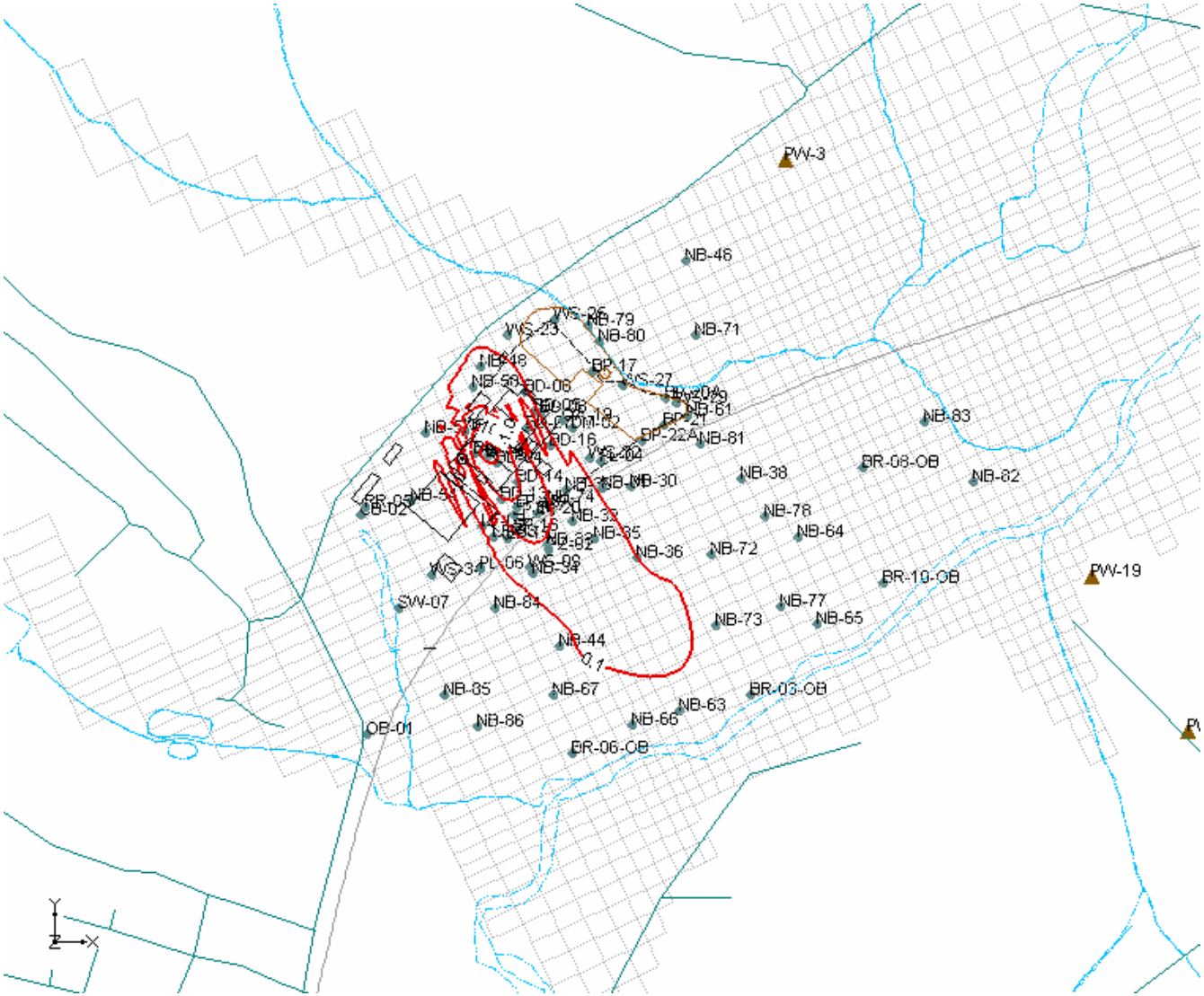

Fig. 27. Simulated PCE concentration contours (mg/L) in layer corresponding to terrace/alluvial deposits at t = 9000 days (~25 years). (Constant concentration source of 200 mg/L PCE placed in cell corresponding to BD-02; simulated using MODFLOW model with vertical borehole flow and RT3D Sequential Decay chemical reaction package.)

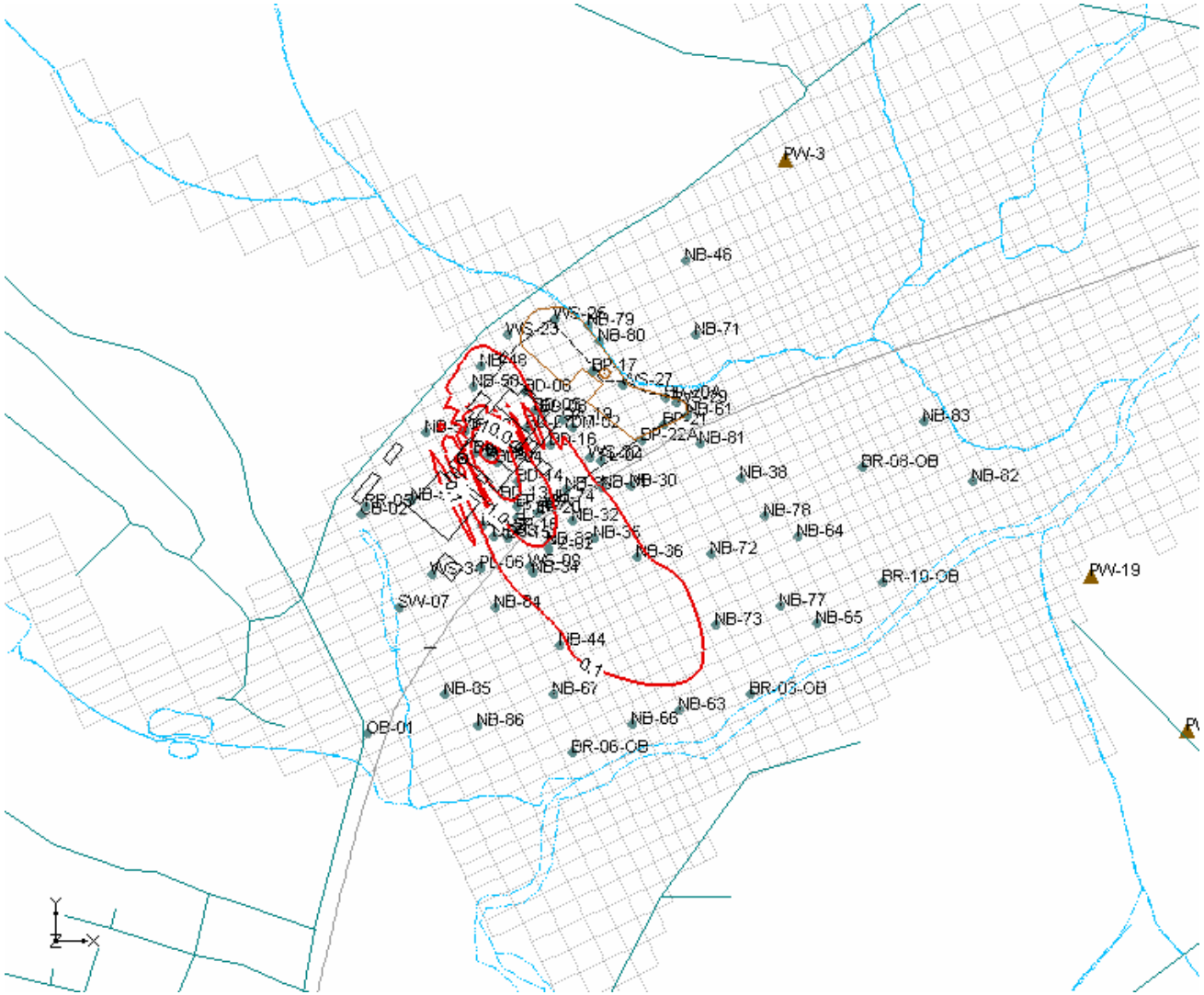

Fig. 28. Simulated PCE concentration contours (mg/L) in layer corresponding to terrace/alluvial deposits at t = 15,000 days (~41 years). [Constant concentration source of 200 mg/L PCE placed in cell corresponding to BD-02; simulated using MODFLOW model with vertical borehole flow and RT3D Sequential Decay chemical reaction package; note that there is not much difference when compared to t = 9000 days (Fig. 28); suggests steady-state conditions in contaminant distribution.]

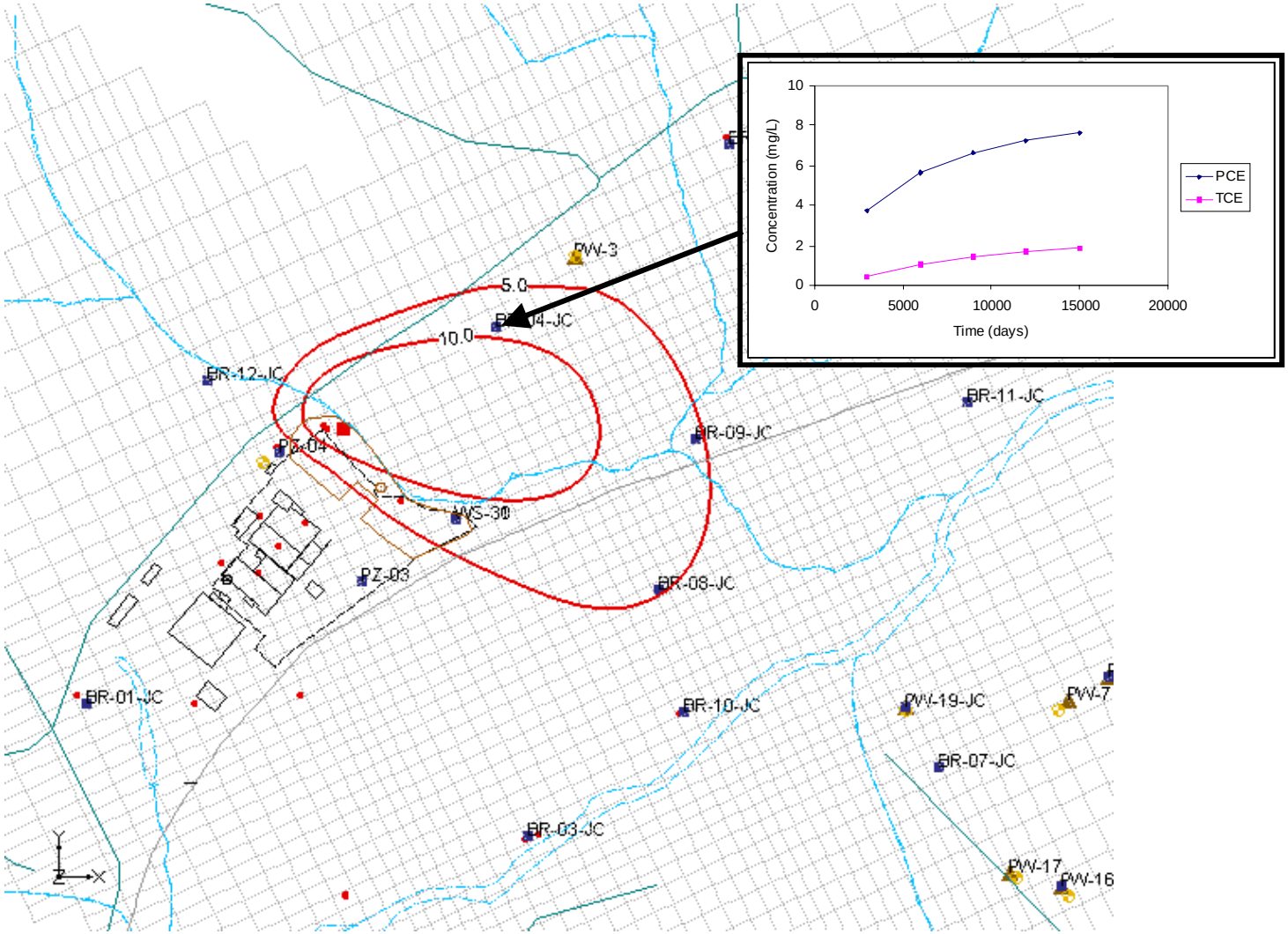

Fig. 29. Simulated PCE concentration contours (mg/L) in layer corresponding to transmissive Jefferson City-Cotter Formation at t = 15,000 days (~41 years). [Constant concentration source of 100 mg/L PCE placed in Burial Pits (red square); simulated using MODFLOW model with vertical borehole flow and RT3D sequential decay chemical reaction package (PCE > TCE > *cis*-1,2-DCE > vinyl chloride > ethene); inset graph shows PCE and TCE concentrations versus time at location corresponding to BR-04-JC.]

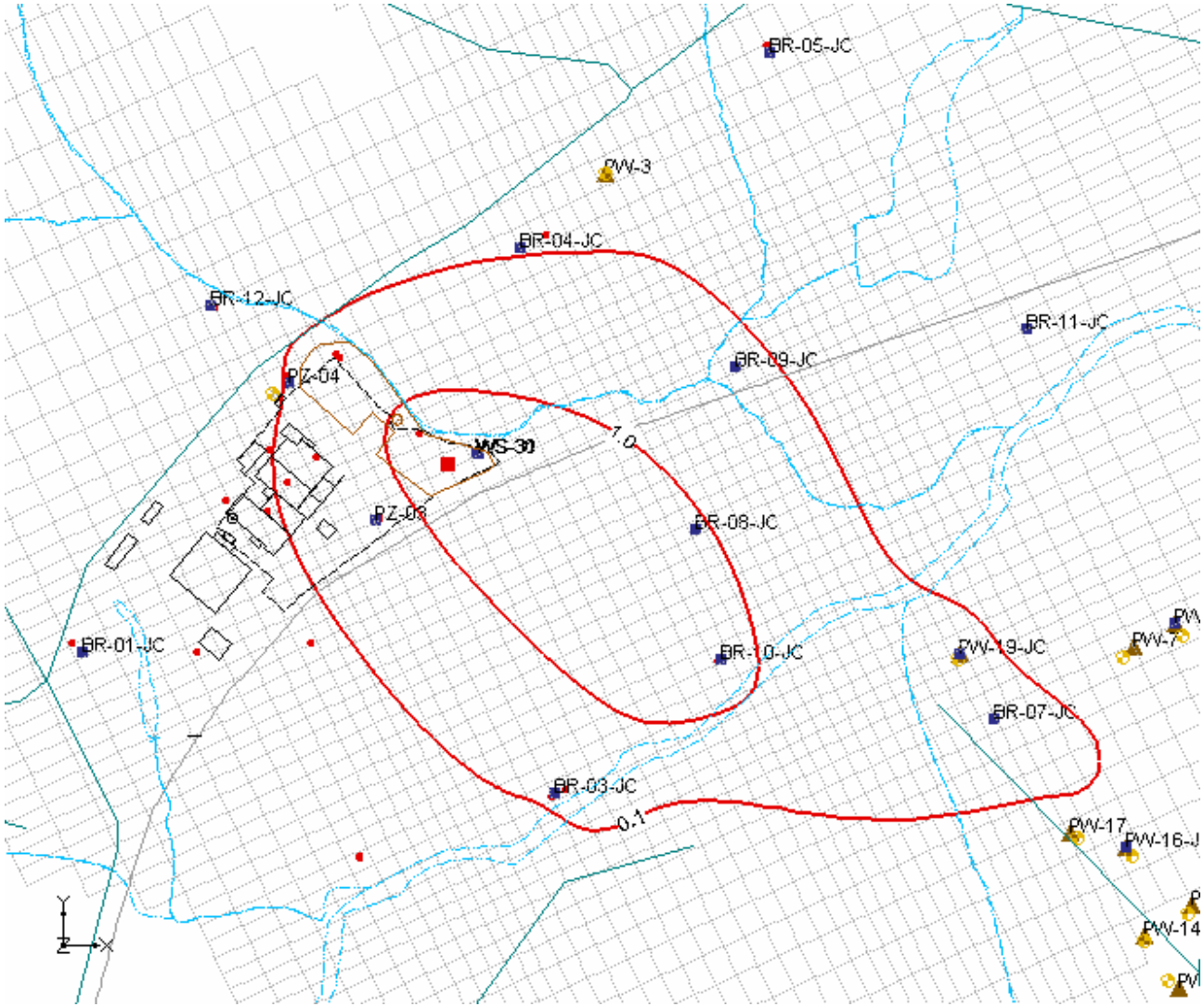

Fig. 30. Simulated TCE concentration contours (mg/L) in layer corresponding to transmissive Jefferson City-Cotter Formation at t = 15,000 days (~41 years). [Constant concentration source of 50 mg/L PCE and 50 mg/L TCE placed in vicinity of Burial Pits (red square); simulated using MODFLOW model with vertical borehole flow and RT3D sequential decay chemical reaction package (PCE > TCE > *cis*-1,2-DCE > vinyl chloride > ethene); note that TCE shown in figure is from degradation of PCE in source.]

Fig. 31. Simulated uranium concentration contours (mg/L) in layer corresponding to deep overburden at t = 74,000 days (~200 years). [Constant concentration source of 0.2 mg/L uranium placed in Burial Pits and Deul's Mountain (red squares); simulated using MODFLOW model with vertical borehole flow and RT3D Tracer Transport package (includes partition coefficient measured in site-specific study (SAIC 2003).]

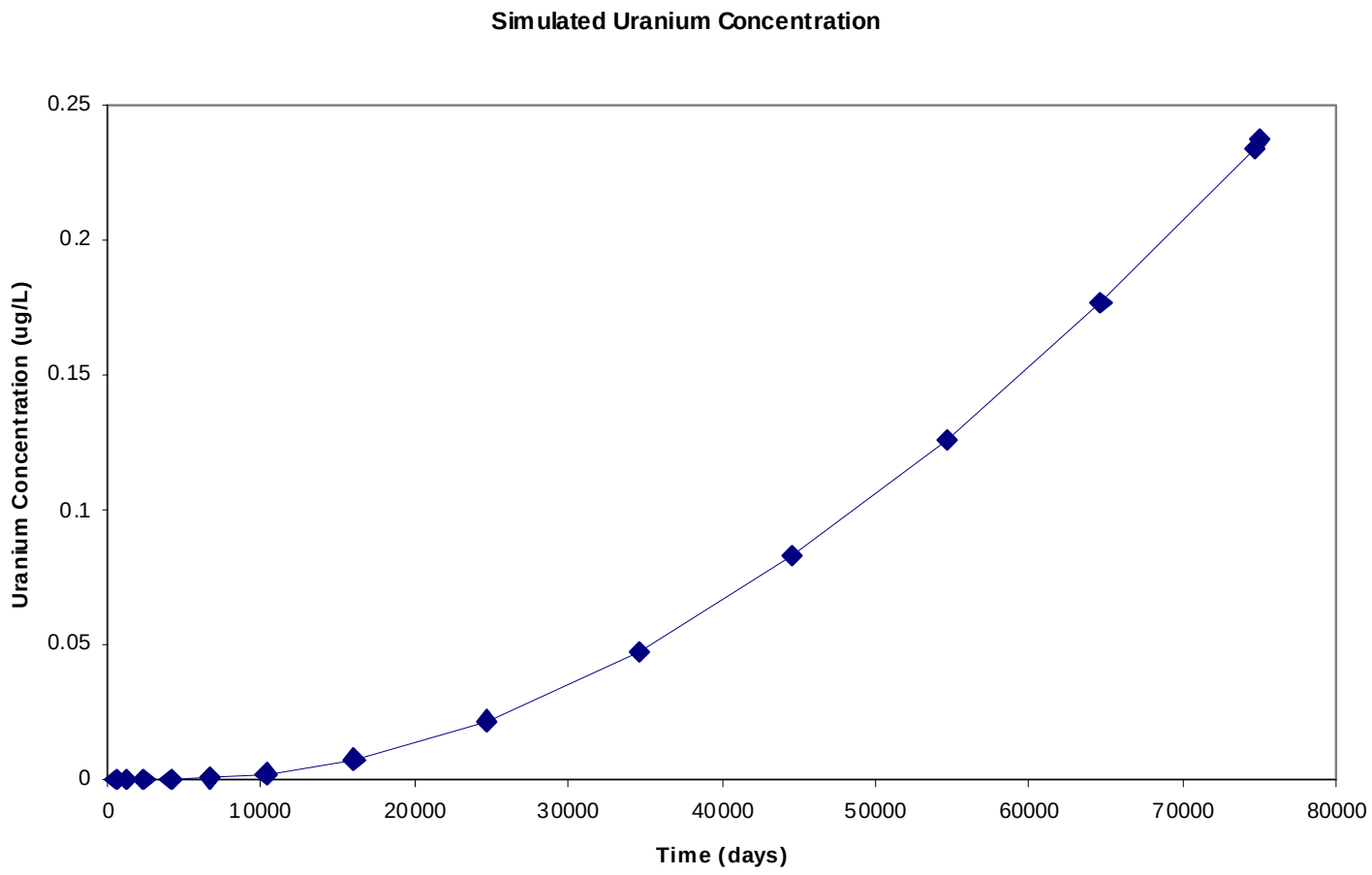

Fig. 32. Uranium versus time at grid cell in Layer 4 (Jefferson City-Cotter HSU) near Deul's Mountain Source. (See "resident farmer" location in Fig. 31.)

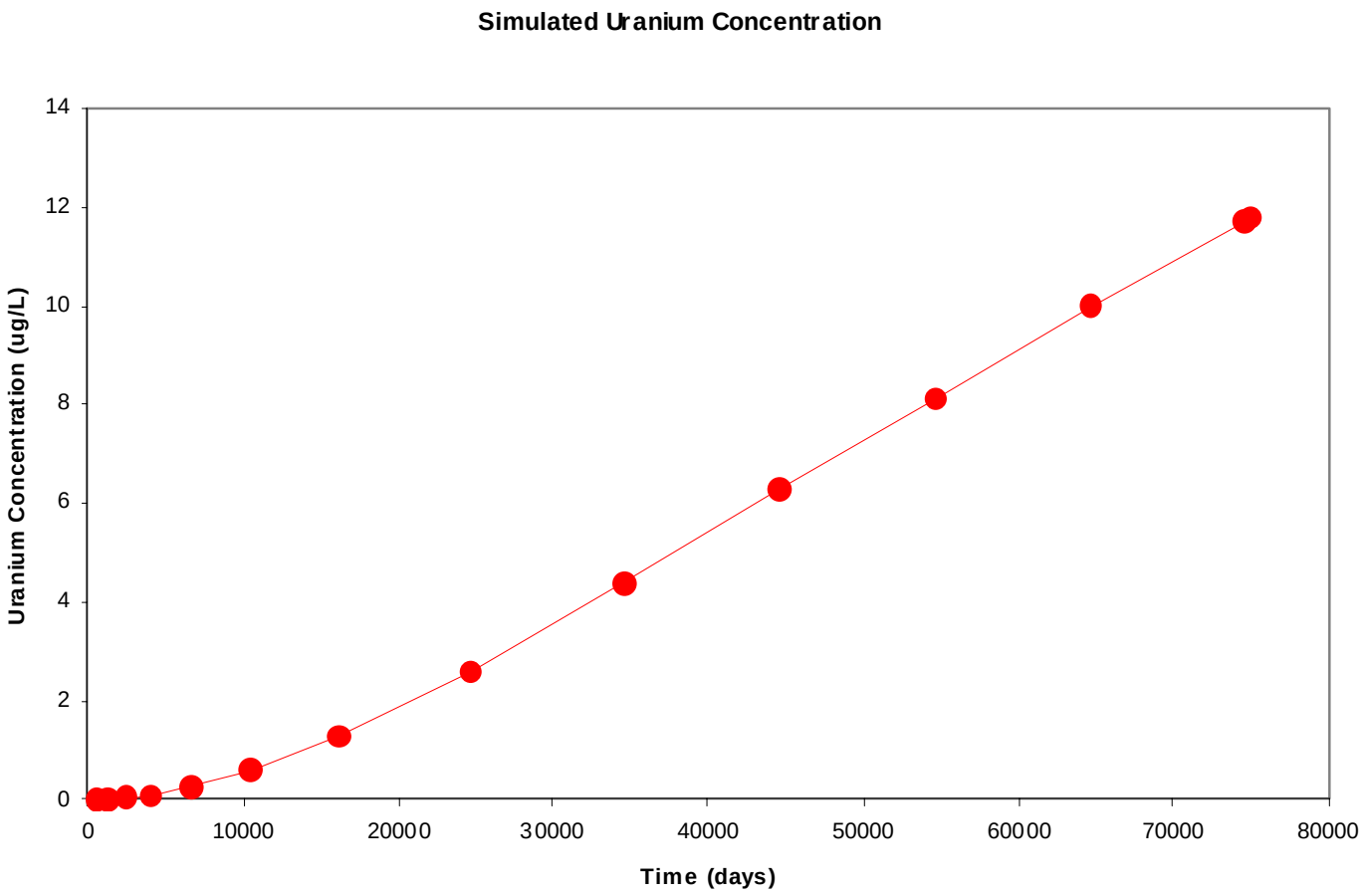

Fig. 33. Uranium versus time at grid cell in Layer 4 (Jefferson City-Cotter HSU) near Burial Pits source. (See "resident farmer" location in Fig. 31.)

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TABLES

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Table 1. Correspondence between hydrostratigraphic units and layers in the MODFLOW Model, including hydraulic conductivities assigned to layers and zones

HSU	Layer	Zone	Horizontal hydraulic conductivity (K_h) (ft/day)	Vertical anisotropy (K_h/K_v)
Shallow overburden	1	1	0.3	1
		2	0.3	1
		3	50	1
		4	0.3	1
Deep overburden	2	1	0.5	1
		2	3	1
		3	93	1
		4	0.5	1
Jefferson-City Cotter	3	-	0.5	1
	4	-	5	5
	5	-	5	5
Jefferson-City Cotter/Roubidoux Contact Zone	6		0.002	1
	7		0.002	1
	8		0.002	1
Roubidoux	9		20	5

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APPENDIX B
MIP CHARTS AND VIDEO LOGGING OF PRIVATE WELLS

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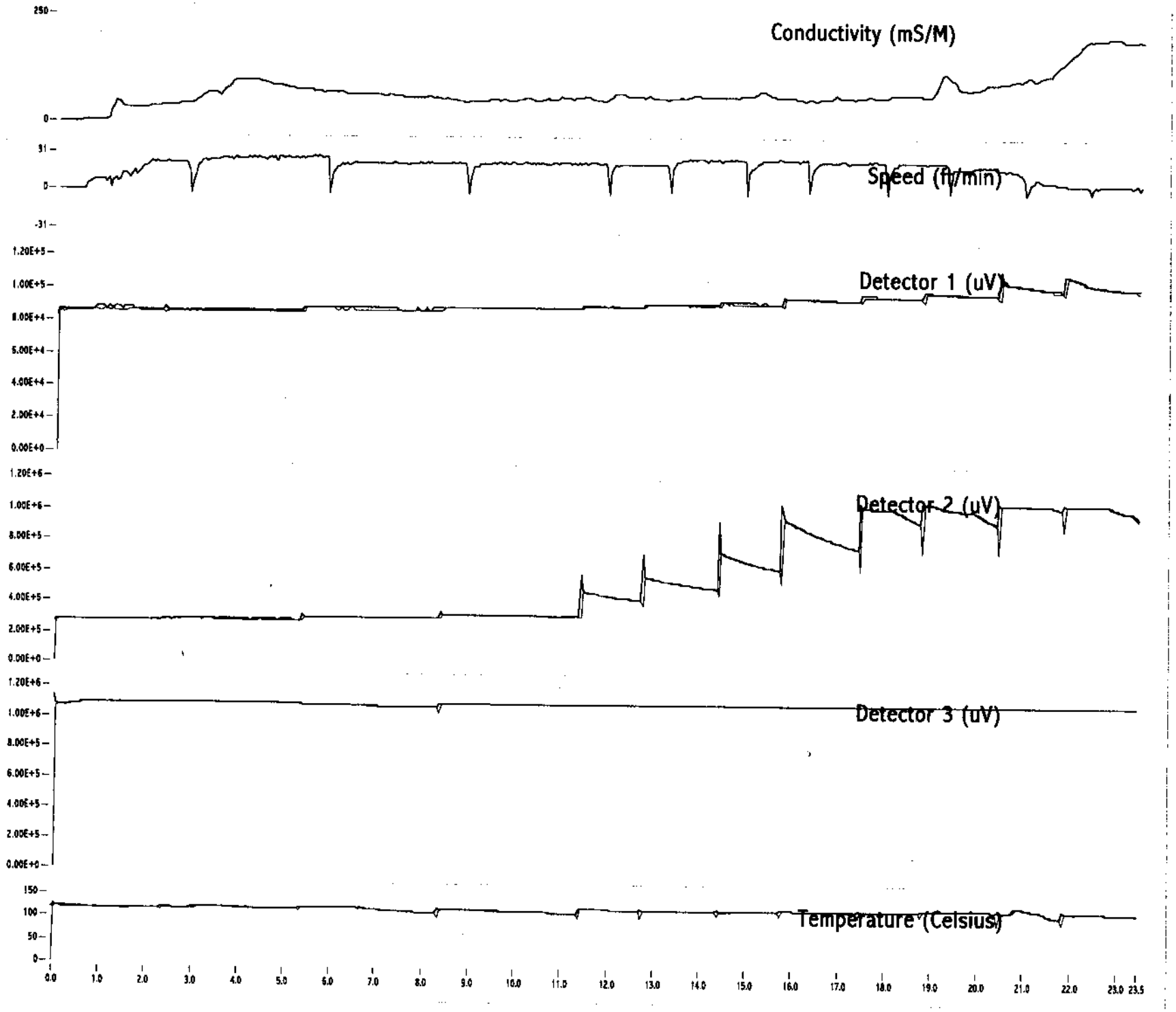
Log: C:\dirim95\LOGFILES\Bd-13a.dat



BD-13A.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/29/04
START TIME: 1:21 PM
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PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
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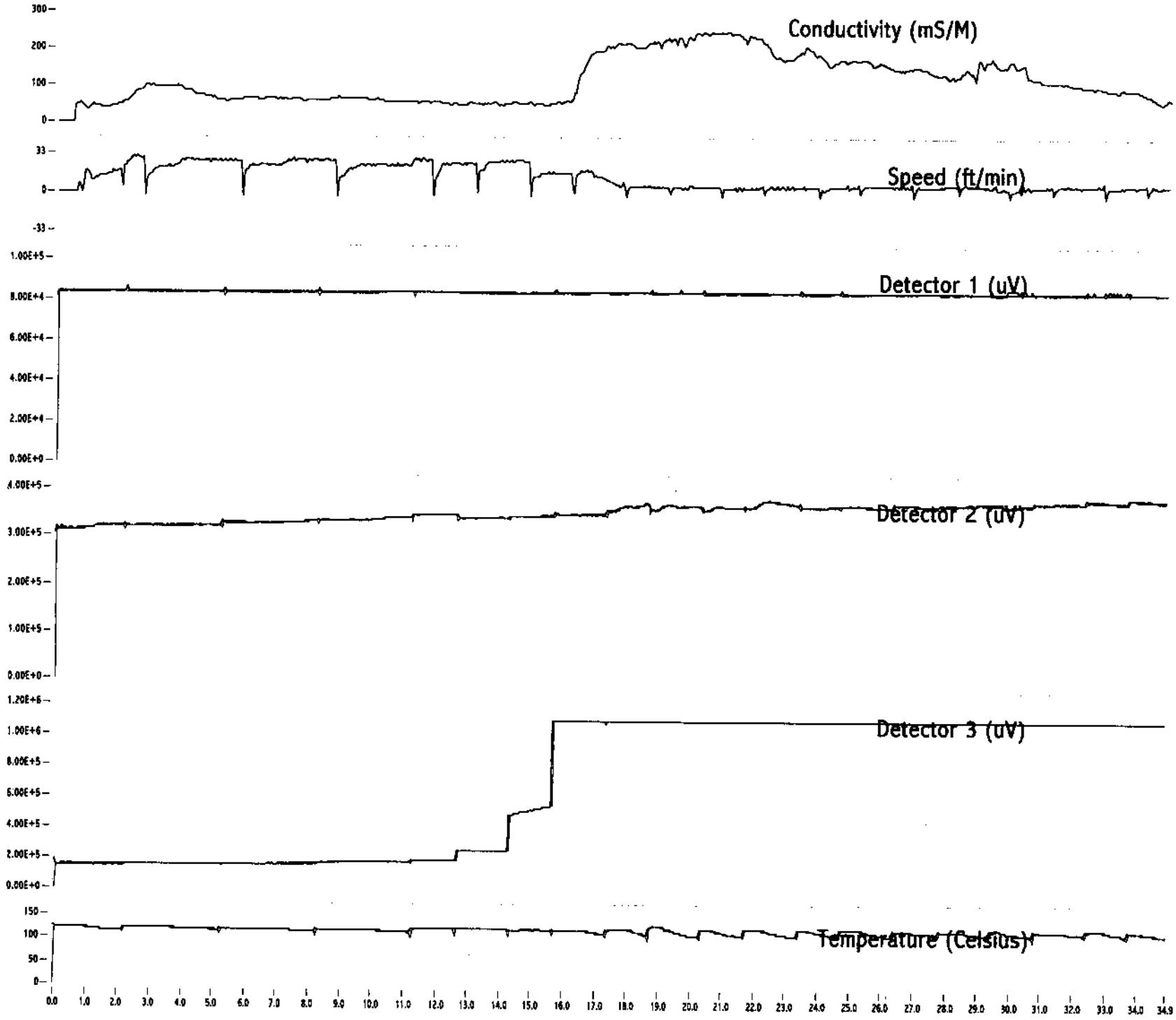
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 7 =	21 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.33)
USER-CALCULATED DEPTH:	=	23.88
STRINGPOT-MEASURED DEPTH:		23.47
DIFFERENCE:		1.7 %

END TIME: 1:46 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Bd-16a.dat



BD-16A.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/29/04
START TIME: 11:24 AM
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PROBE NUMBER:

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DEPTH CALCULATION:

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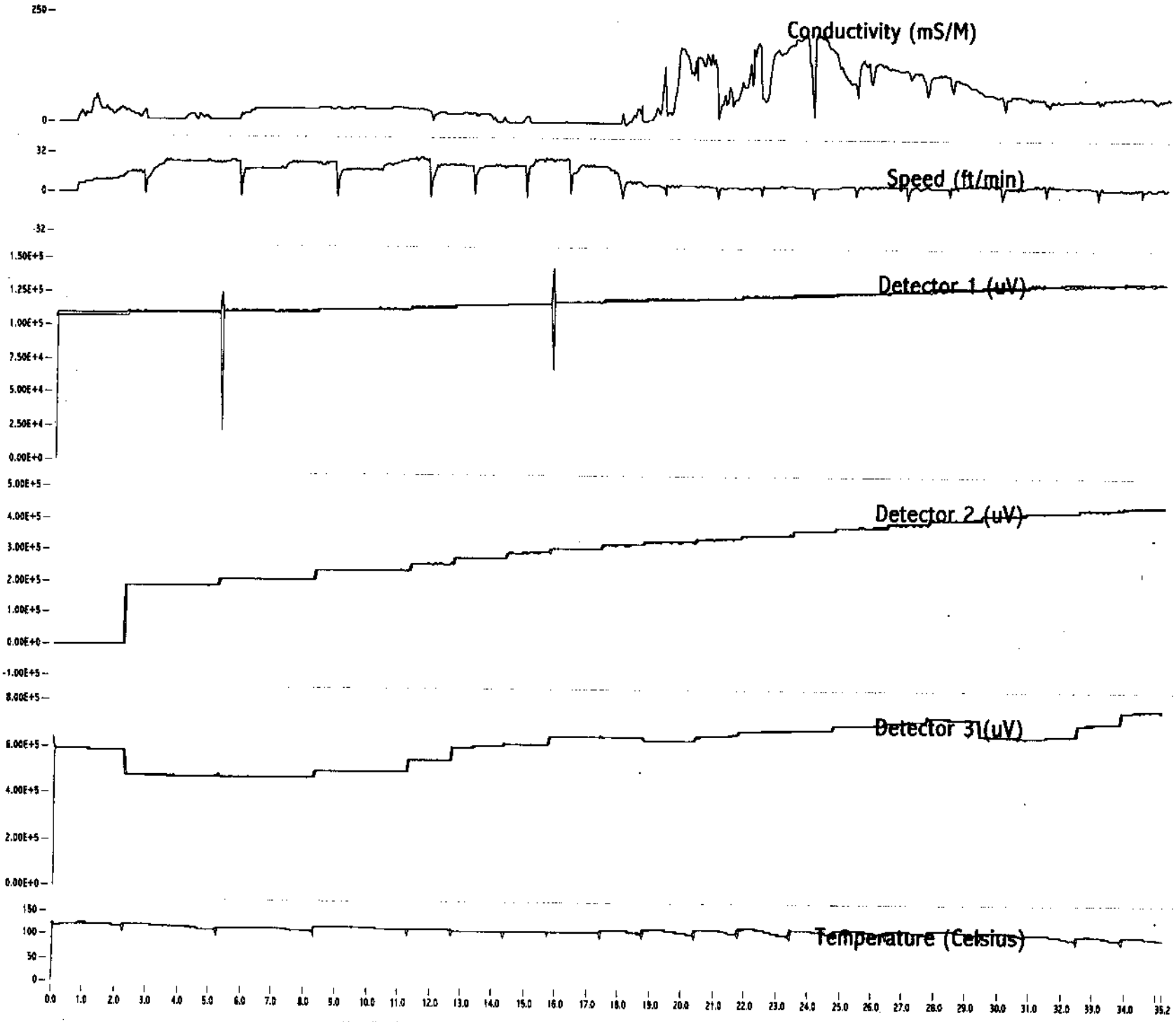
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.67)
USER-CALCULATED DEPTH:	=	35.54
STRINGPOT-MEASURED DEPTH:		34.94
DIFFERENCE:		1.7 %

END TIME: 11:50 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Bp-13.dat



BP-13.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/9/04
START TIME: 7:44 AM
DATA FILE NAME: c:\dirim95\logfiles\bp-13.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
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DEPTH CALCULATION:

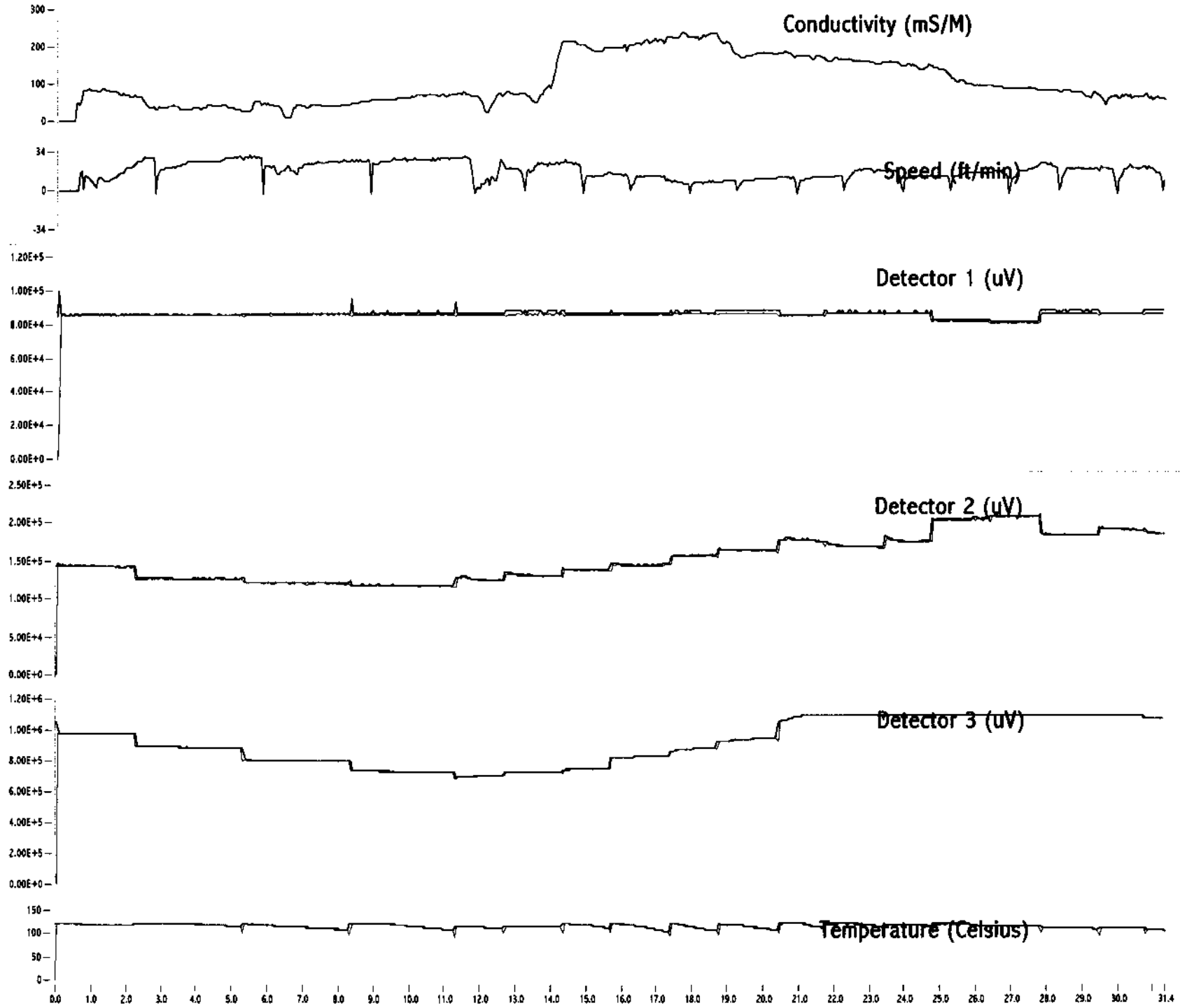
ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 = 33	ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.33)
USER-CALCULATED DEPTH:	=	35.88
STRINGPOT-MEASURED DEPTH:		35.23
DIFFERENCE:		1.8 %

END TIME: 8:10 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Page 1

Log: C:\dirim95\LOGFILES\Bp-17.dat



BP-17.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

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DATA FILE NAME: c:\dirim95\logfiles\bp-17.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

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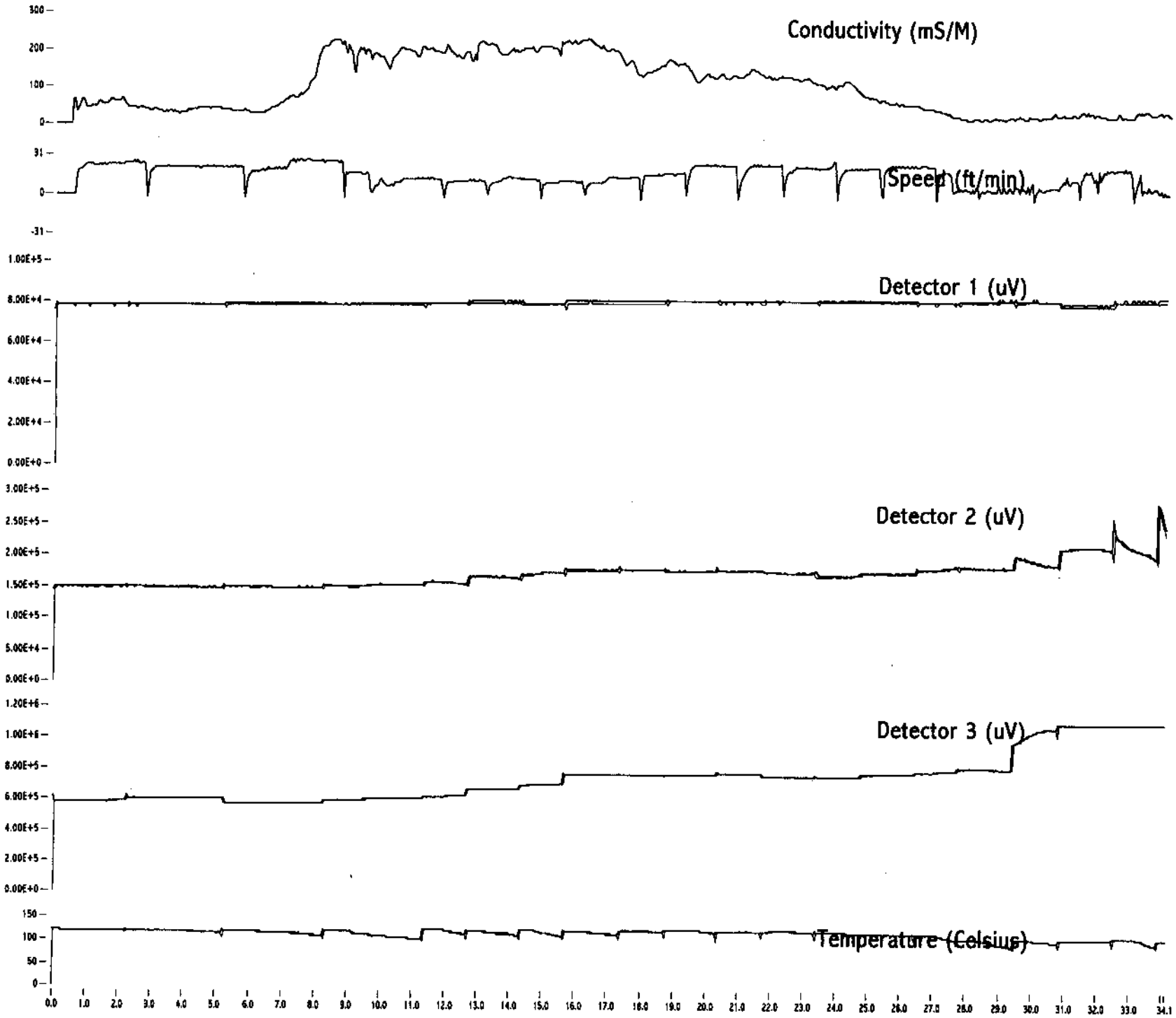
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 =	30 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.08)
USER-CALCULATED DEPTH:	=	32.13
STRINGPOT-MEASURED DEPTH:		31.38
DIFFERENCE:		2.4 %

END TIME: 11:40 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Bp-18.dat



BP-18.INF
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PROBE NUMBER:

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DEPTH CALCULATION:

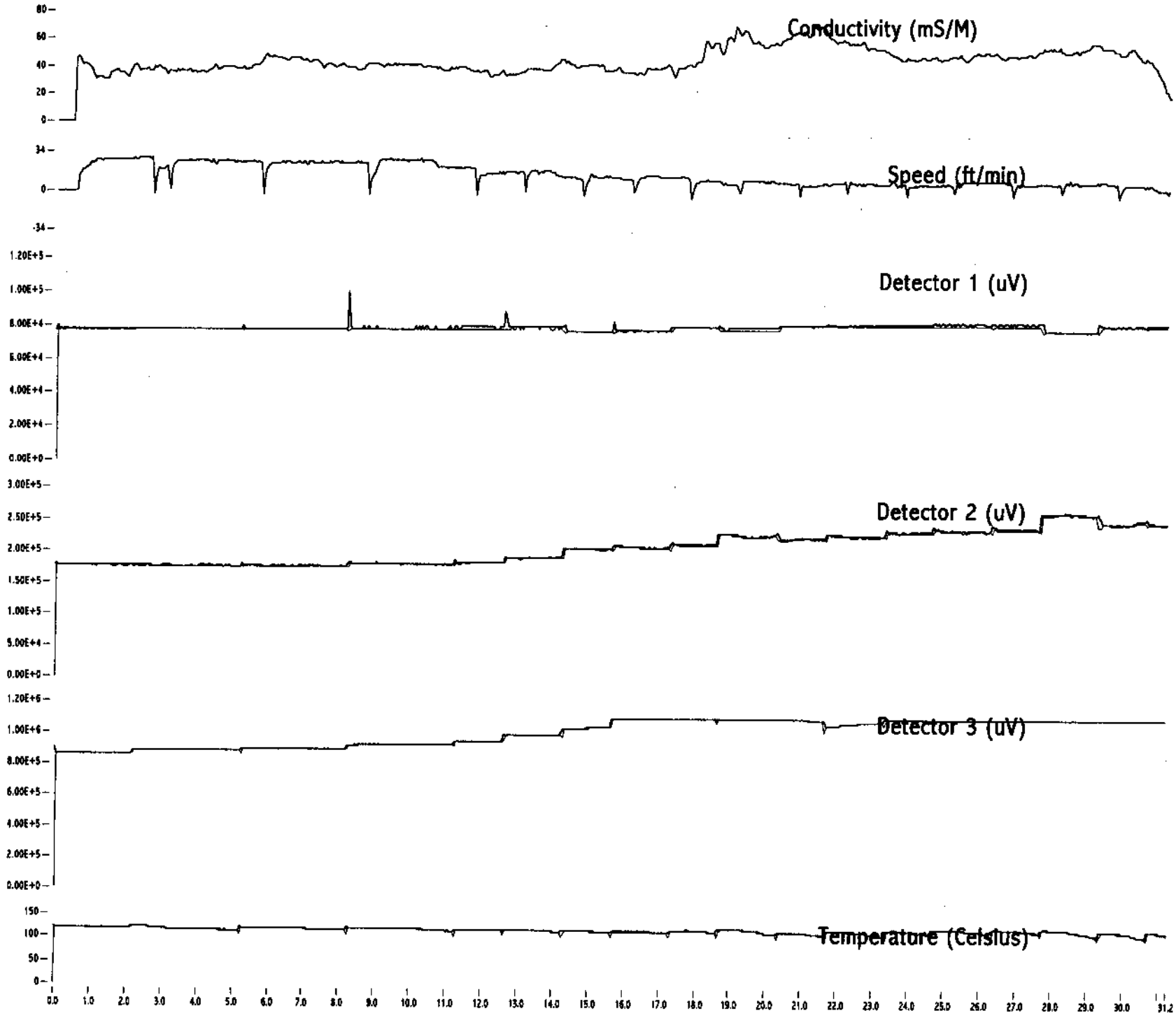
ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 = 33	ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.08)
USER-CALCULATED DEPTH:	=	35.13
STRINGPOT-MEASURED DEPTH:		34.15
DIFFERENCE:		2.8 %

END TIME: 1:37 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Page 1

Log: C:\dirim95\LOGFILES\Bp-19.dat



BP-19.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

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START TIME: 2:14 PM
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PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

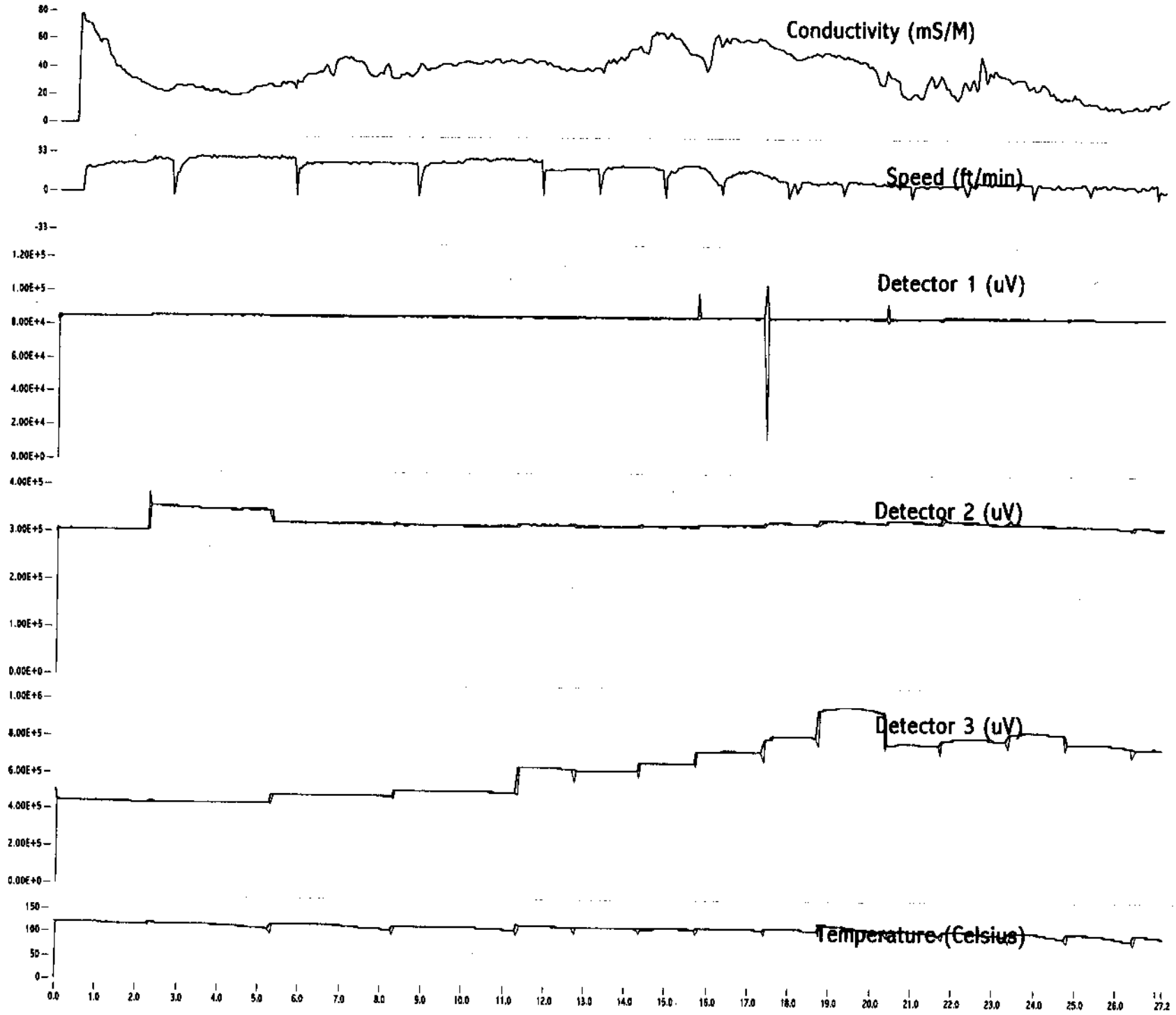
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 =	30 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.00)
USER-CALCULATED DEPTH:	=	32.21
STRINGPOT-MEASURED DEPTH:		31.30
DIFFERENCE:		2.9 %

END TIME: 2:36 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Bp-20.dat



BP-20.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/25/04
START TIME: 1:34 PM
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PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

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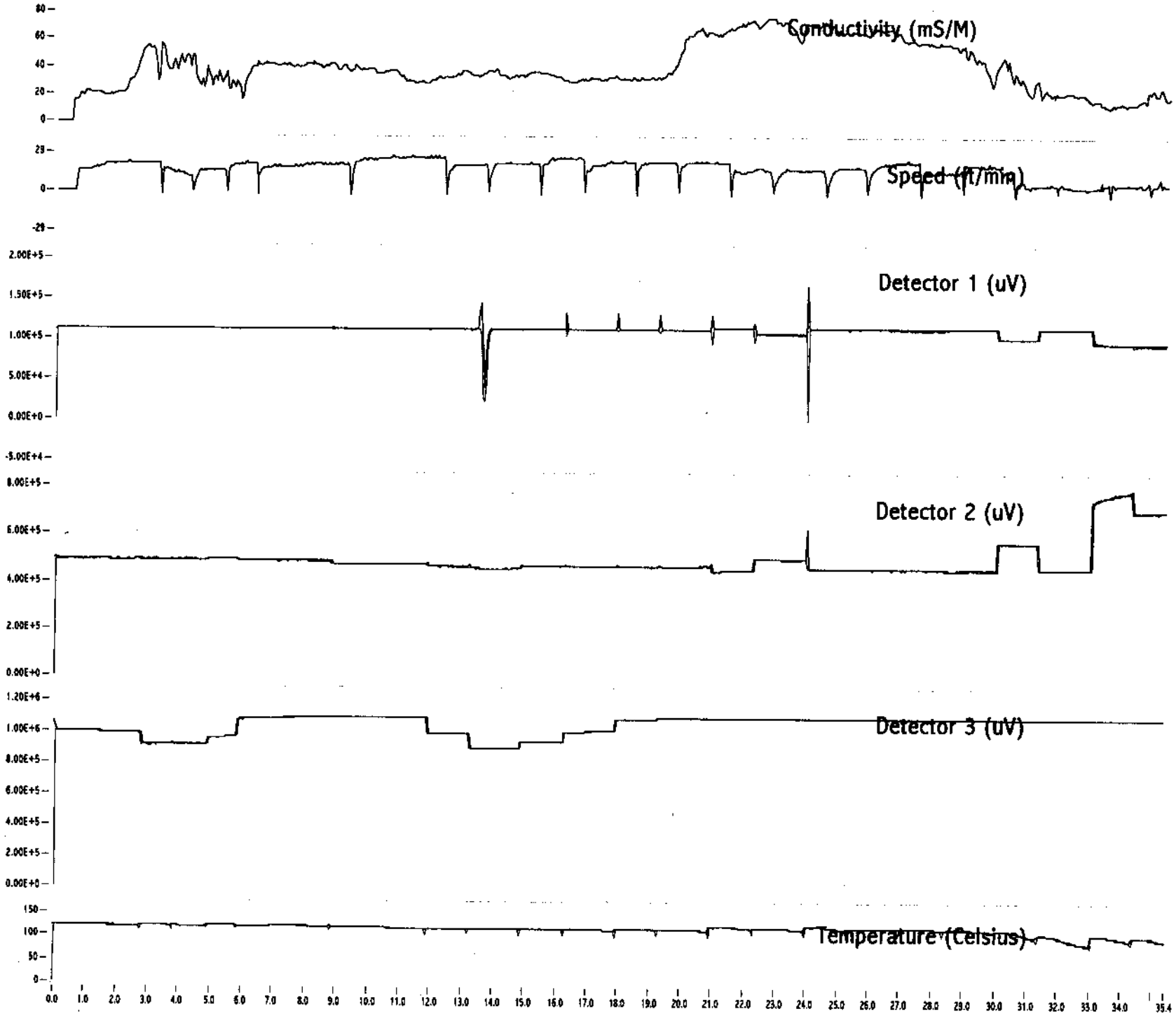
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 9 =	27 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.17)
USER-CALCULATED DEPTH:	=	28.04
STRINGPOT-MEASURED DEPTH:		27.16
DIFFERENCE:		3.2 %

END TIME: 1:54 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Bp-21a.dat



BP-21A.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

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PROBE NUMBER:

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DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
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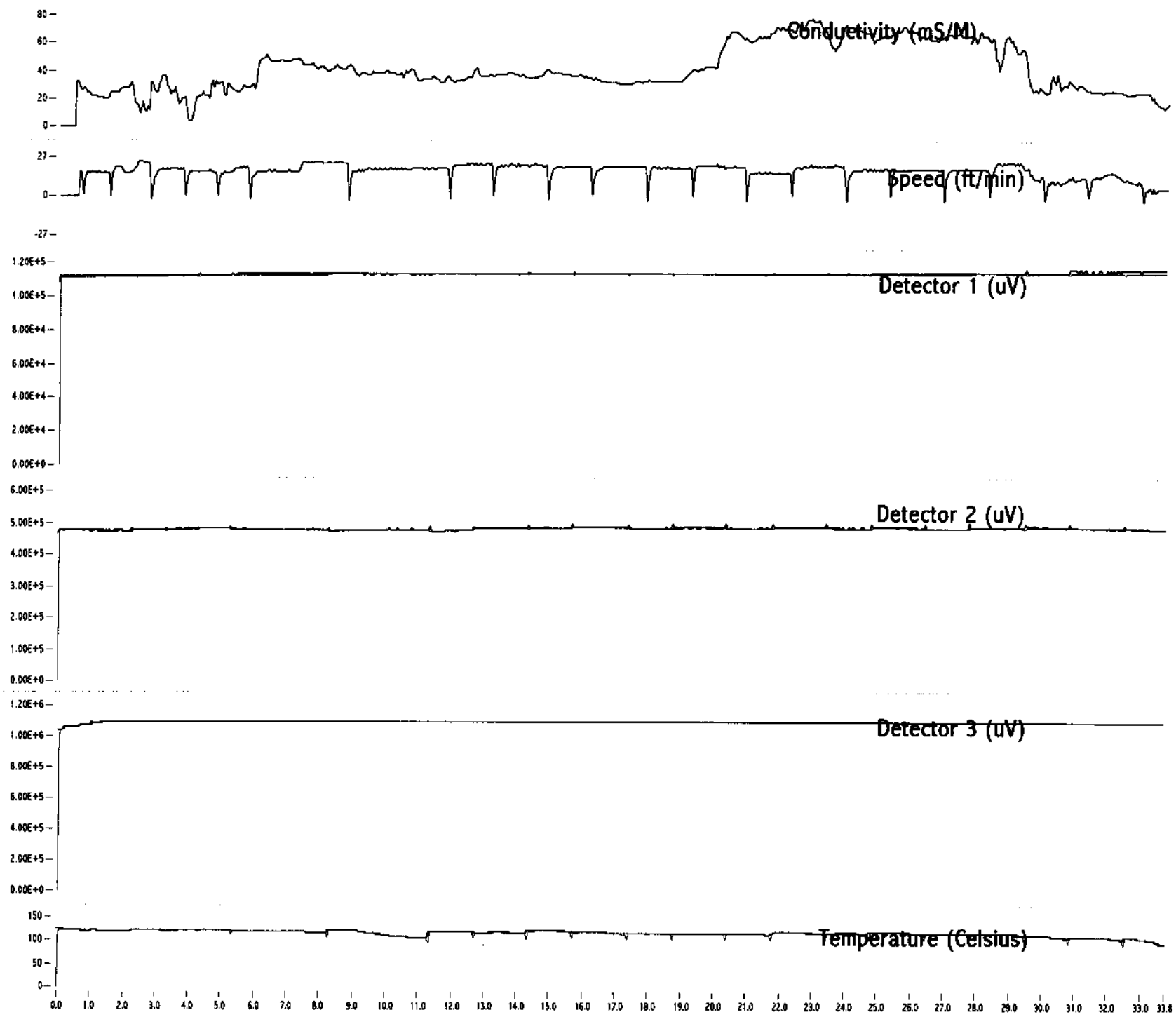
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 = 33	ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.83)
USER-CALCULATED DEPTH:	=	35.38
STRINGPOT-MEASURED DEPTH:		35.41
DIFFERENCE:		0.1 %

END TIME: 9:35 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Bp-22.dat



BP-22.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/25/04
START TIME: 10:09 AM
DATA FILE NAME: c:\dirim95\logfiles\bp-22.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
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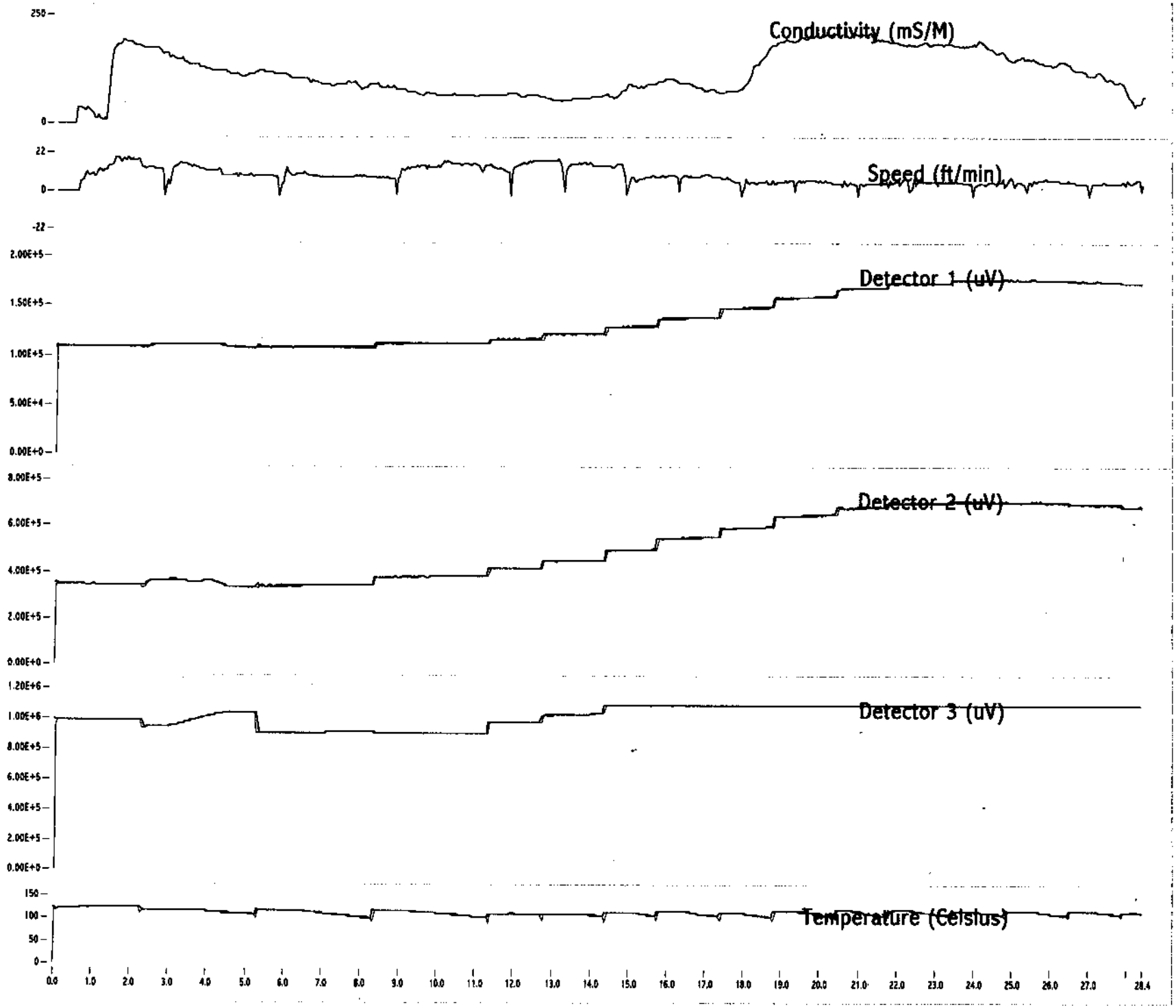
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.50)
USER-CALCULATED DEPTH:	=	34.71
STRINGPOT-MEASURED DEPTH:		33.78
DIFFERENCE:		2.7 %

END TIME: 10:35 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Cb-02.dat



CB-02.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/8/04
START TIME: 9:03 AM
DATA FILE NAME: c:\dirim95\logfiles\cb-02.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
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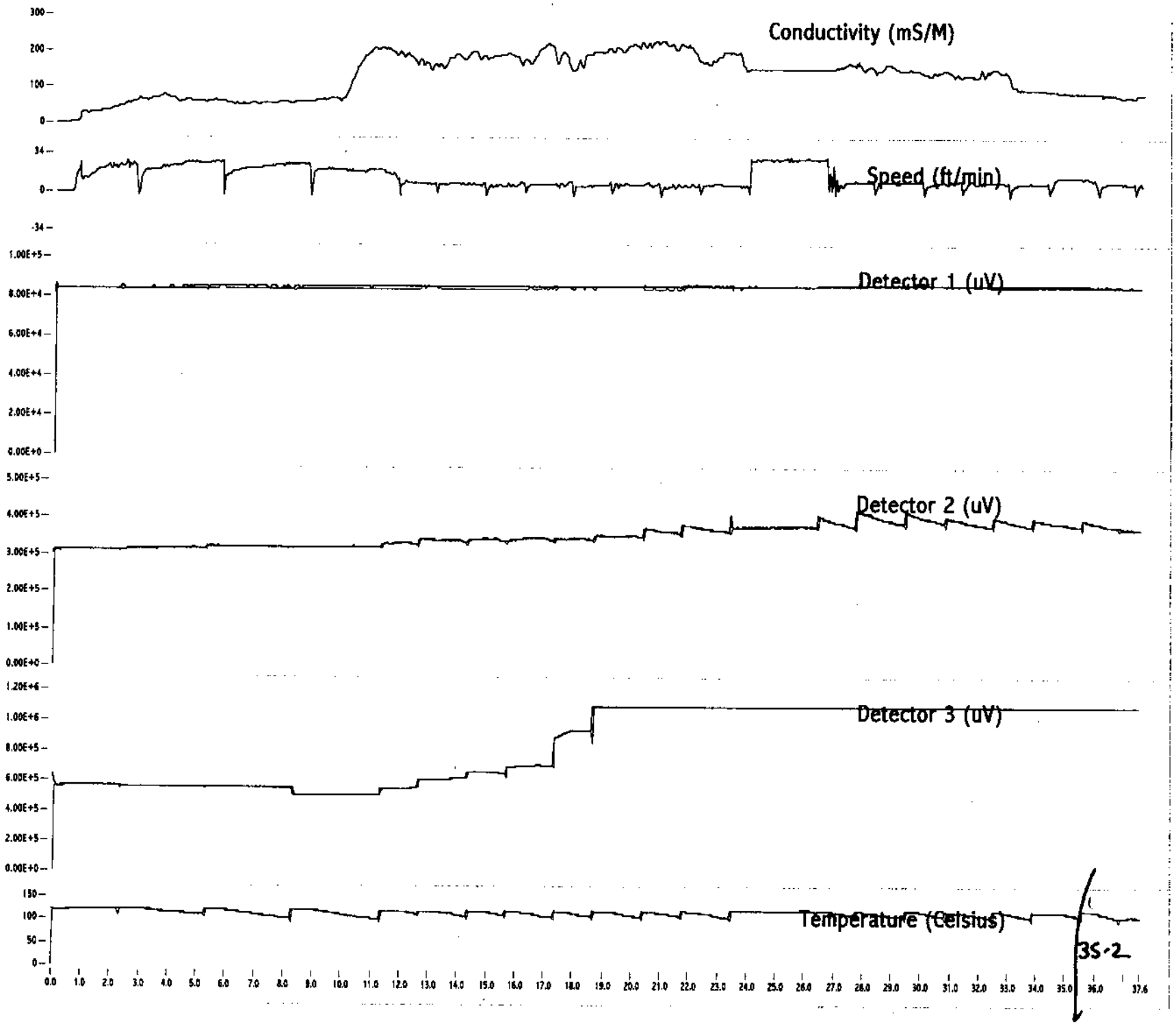
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 9 =	27 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.00)
USER-CALCULATED DEPTH:	=	29.21
STRINGPOT-MEASURED DEPTH:		28.44
DIFFERENCE:		2.7 %

END TIME: 9:27 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Dm-02b.dat



DM-02B.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/28/04
START TIME: 1:42 PM
DATA FILE NAME: c:\dirim95\logfiles\dm-02b.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

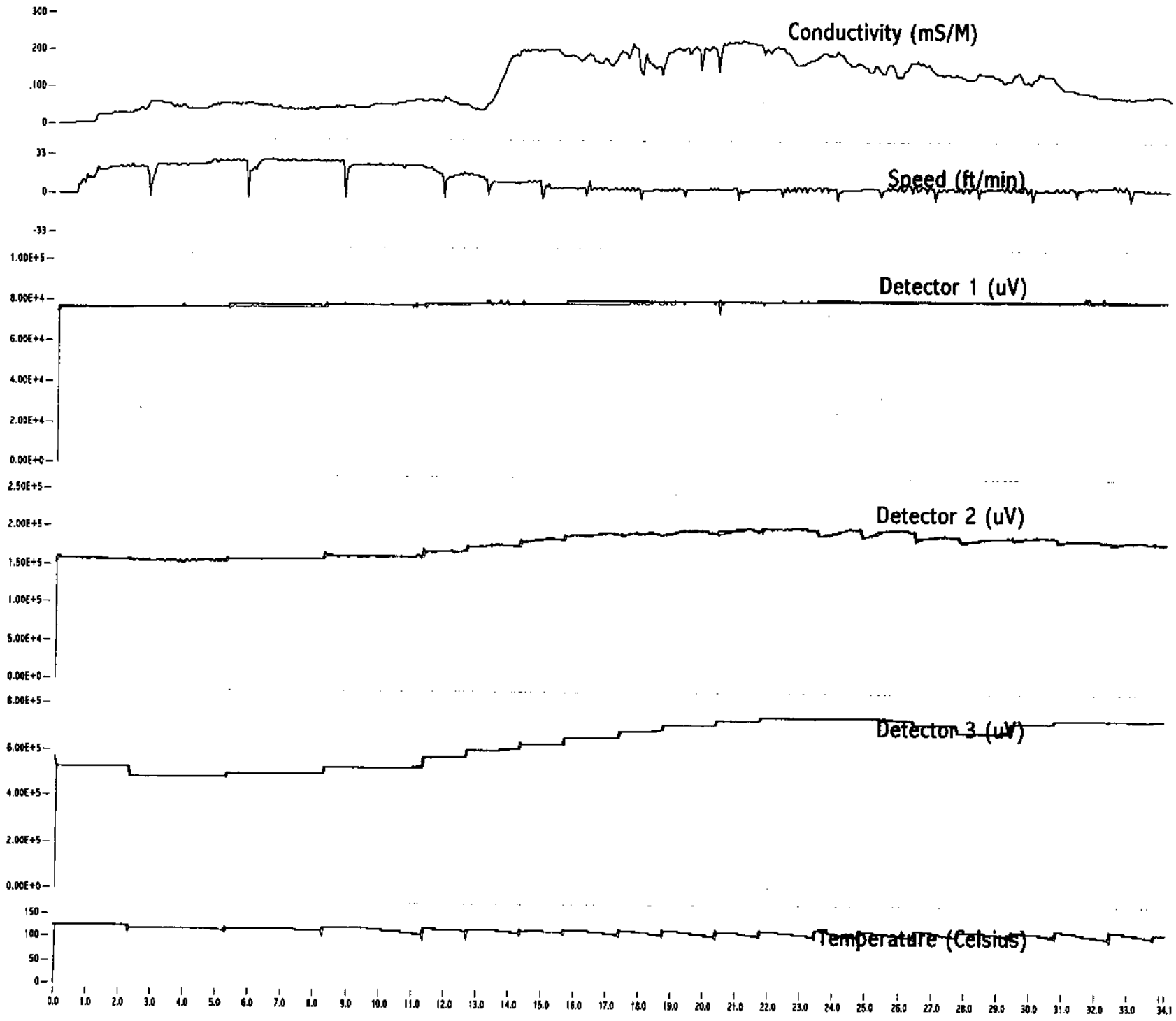
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.00)
USER-CALCULATED DEPTH:	=	35.21
STRINGPOT-MEASURED DEPTH:		37.57
DIFFERENCE:		6.5 %

END TIME: 2:18 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Dm-05.dat



DM-05.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/1/04
START TIME: 1:32 PM
DATA FILE NAME: c:\dirim95\logfiles\dm-05.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

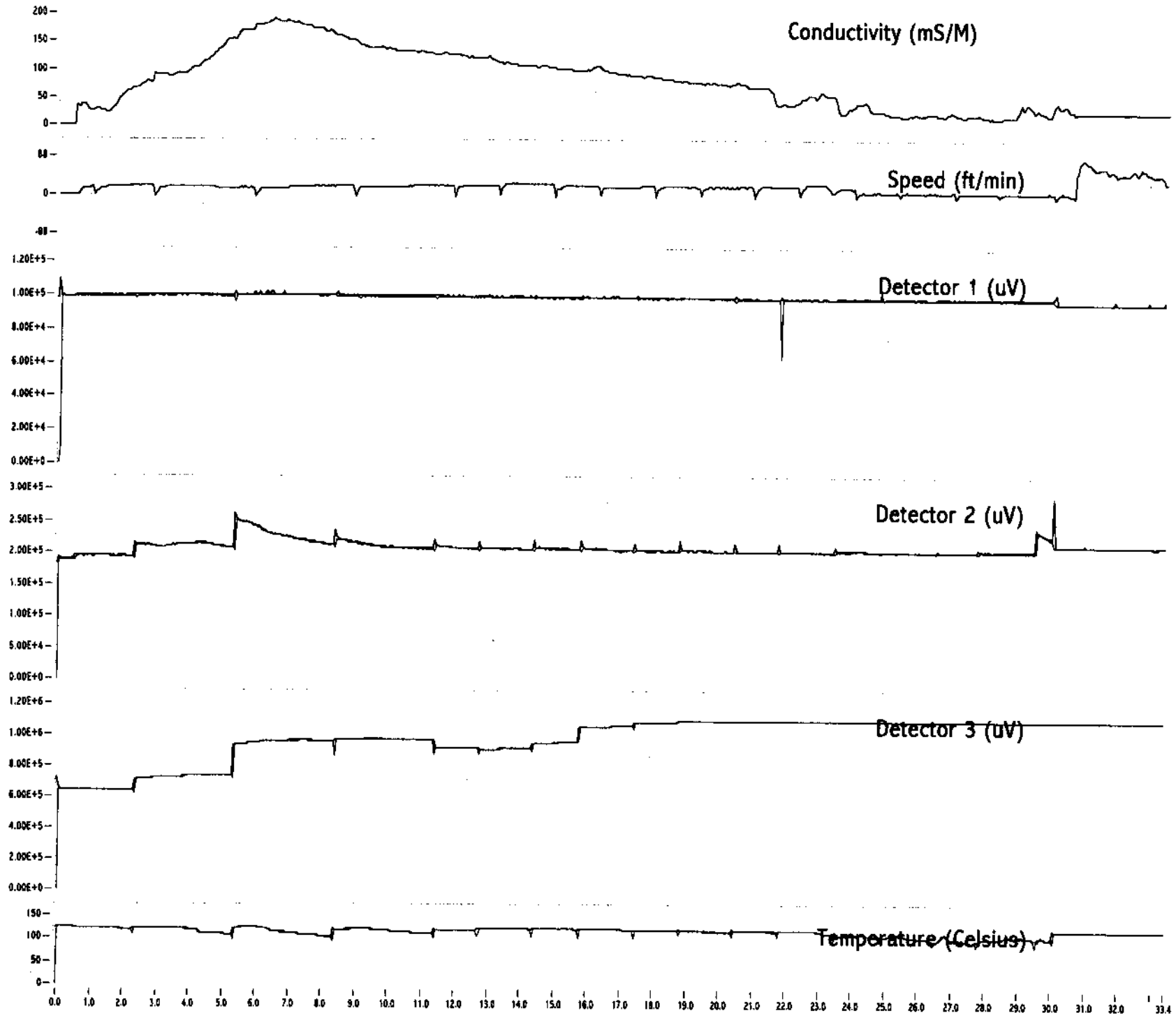
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.00)
USER-CALCULATED DEPTH:	=	35.21
STRINGPOT-MEASURED DEPTH:		34.18
DIFFERENCE:		3.0 %

END TIME: 1:57 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Ep-13.dat



EP-13.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/30/04
START TIME: 8:17 AM
DATA FILE NAME: c:\dirim95\logfiles\ep-13.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

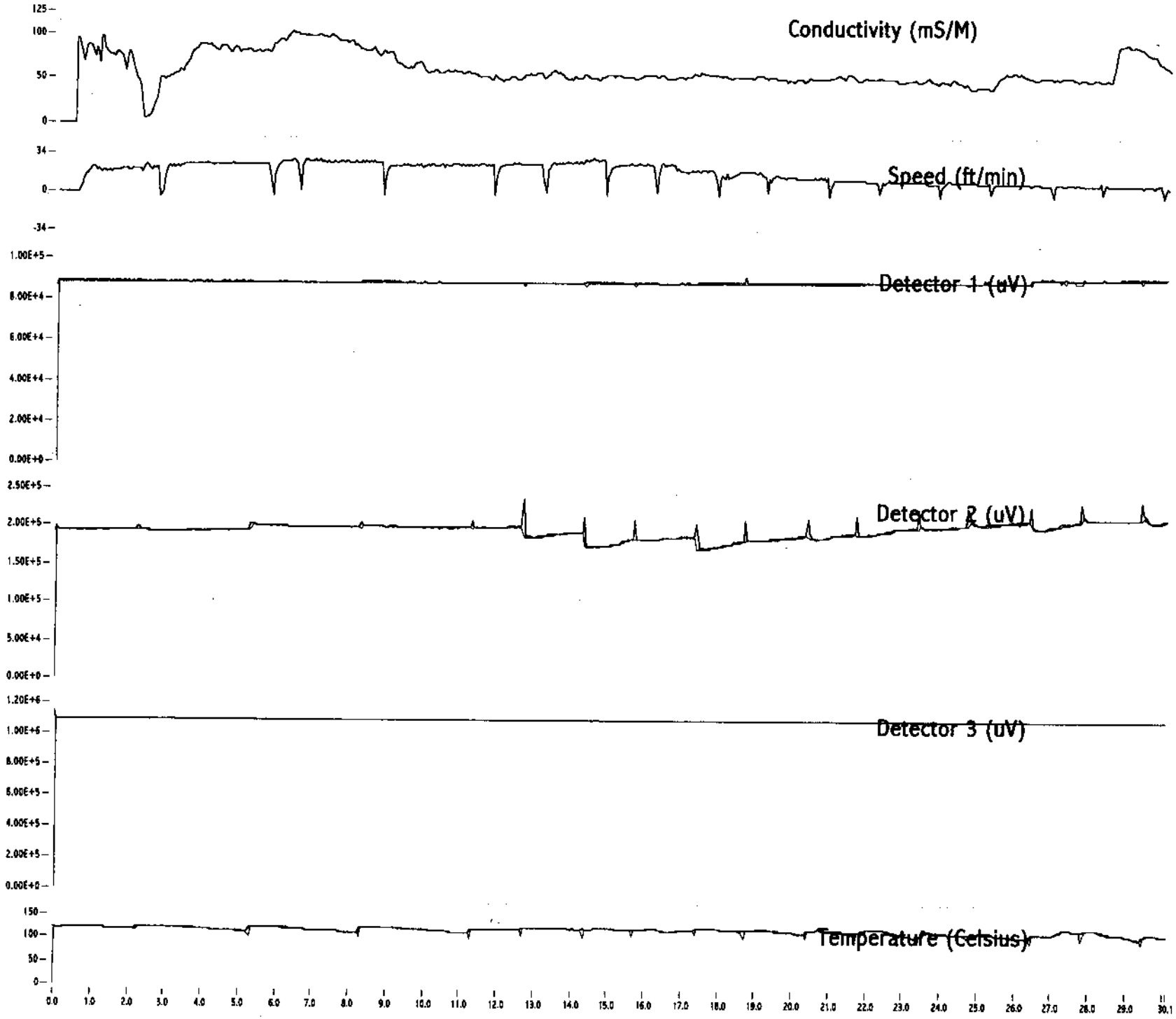
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 = 30	ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.00)
USER-CALCULATED DEPTH:	=	31.21
STRINGPOT-MEASURED DEPTH:		33.40
DIFFERENCE:		6.8 %

END TIME: 8:42 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Ep-14.dat



EP-14.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/30/04
START TIME: 10:47 AM
DATA FILE NAME: c:\dirim95\logfiles\ep-14.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

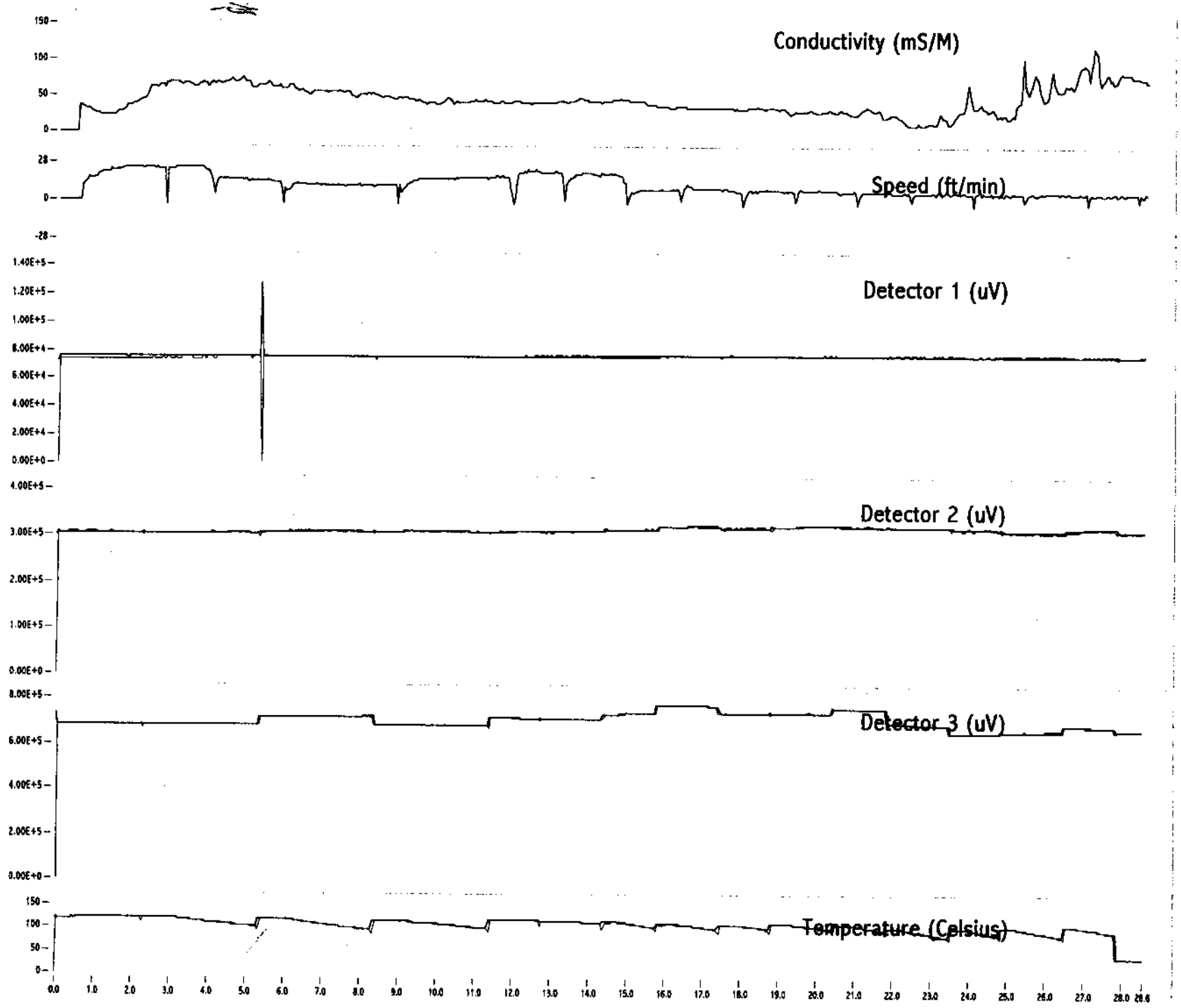
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 =	30 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.25)
USER-CALCULATED DEPTH:	=	30.96
STRINGPOT-MEASURED DEPTH:		30.12
DIFFERENCE:		2.8 %

END TIME: 11:08 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Ep-15.dat



EP-15.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/11/04
START TIME: 10:30 AM
DATA FILE NAME: c:\dirim95\logfiles\ep-15.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

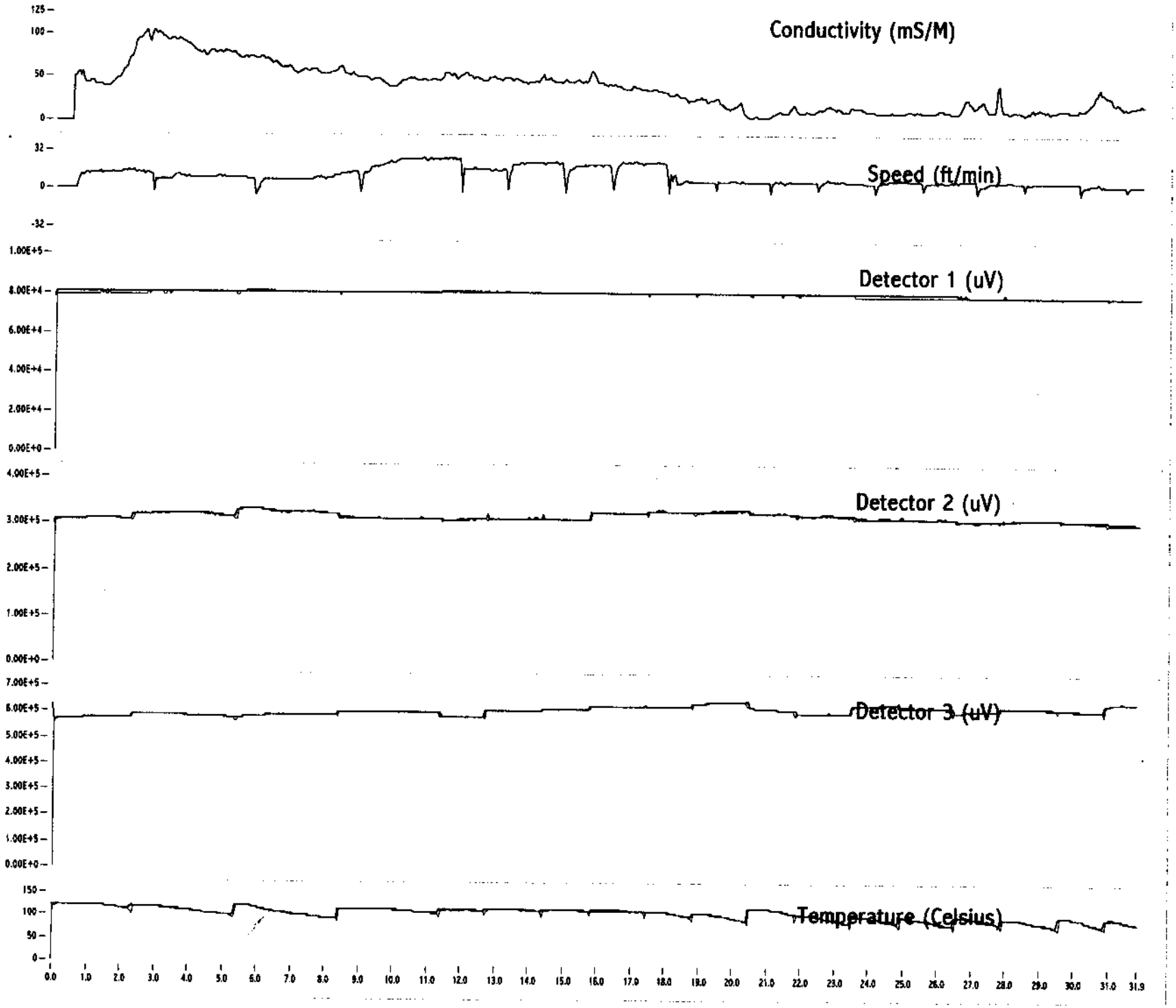
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 9 =	27 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.00)
USER-CALCULATED DEPTH:	=	29.21
STRINGPOT-MEASURED DEPTH:		28.60
DIFFERENCE:		2.1 %

END TIME: 10:51 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Ep-16.dat



EP-16.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/11/04
START TIME: 9:21 AM
DATA FILE NAME: c:\dirim95\logfiles\ep-16.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

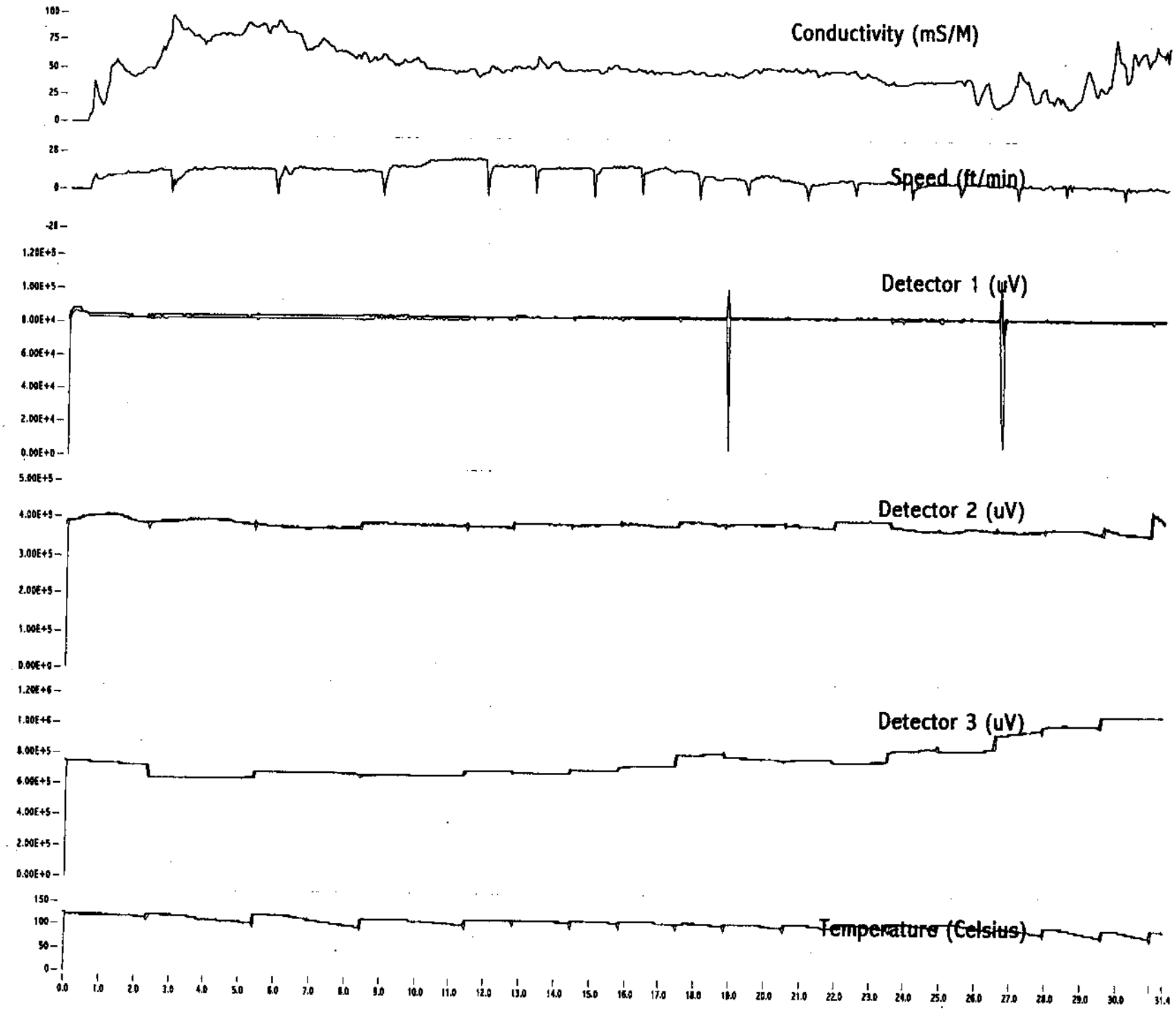
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 = 30 ft.	
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.50)
USER-CALCULATED DEPTH:	=	32.71
STRINGPOT-MEASURED DEPTH:		31.85
DIFFERENCE:		2.7 %

END TIME: 9:45 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dlnm95\LOGFILES\Ep-17.dat



EP-17.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/11/04
START TIME: 8:23 AM
DATA FILE NAME: c:\dirim95\logfiles\ep-17.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

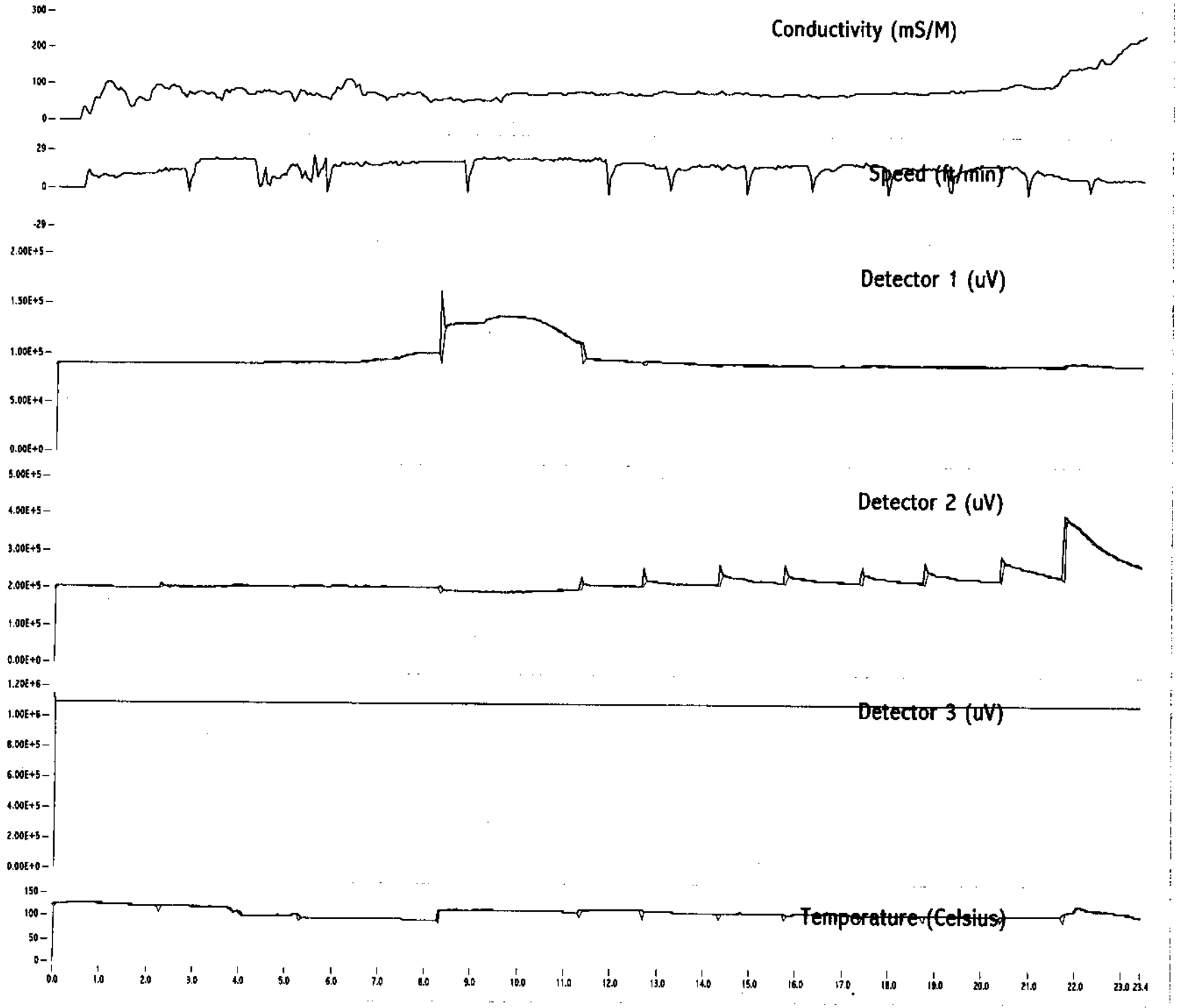
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 = 30 ft.	
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.17)
USER-CALCULATED DEPTH:	=	32.04
STRINGPOT-MEASURED DEPTH:		31.35
DIFFERENCE:		2.2 %

END TIME: 8:46 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Ep-18.dat



EP-18.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/30/04
START TIME: 10:06 AM
DATA FILE NAME: c:\dirim95\logfiles\ep-18.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

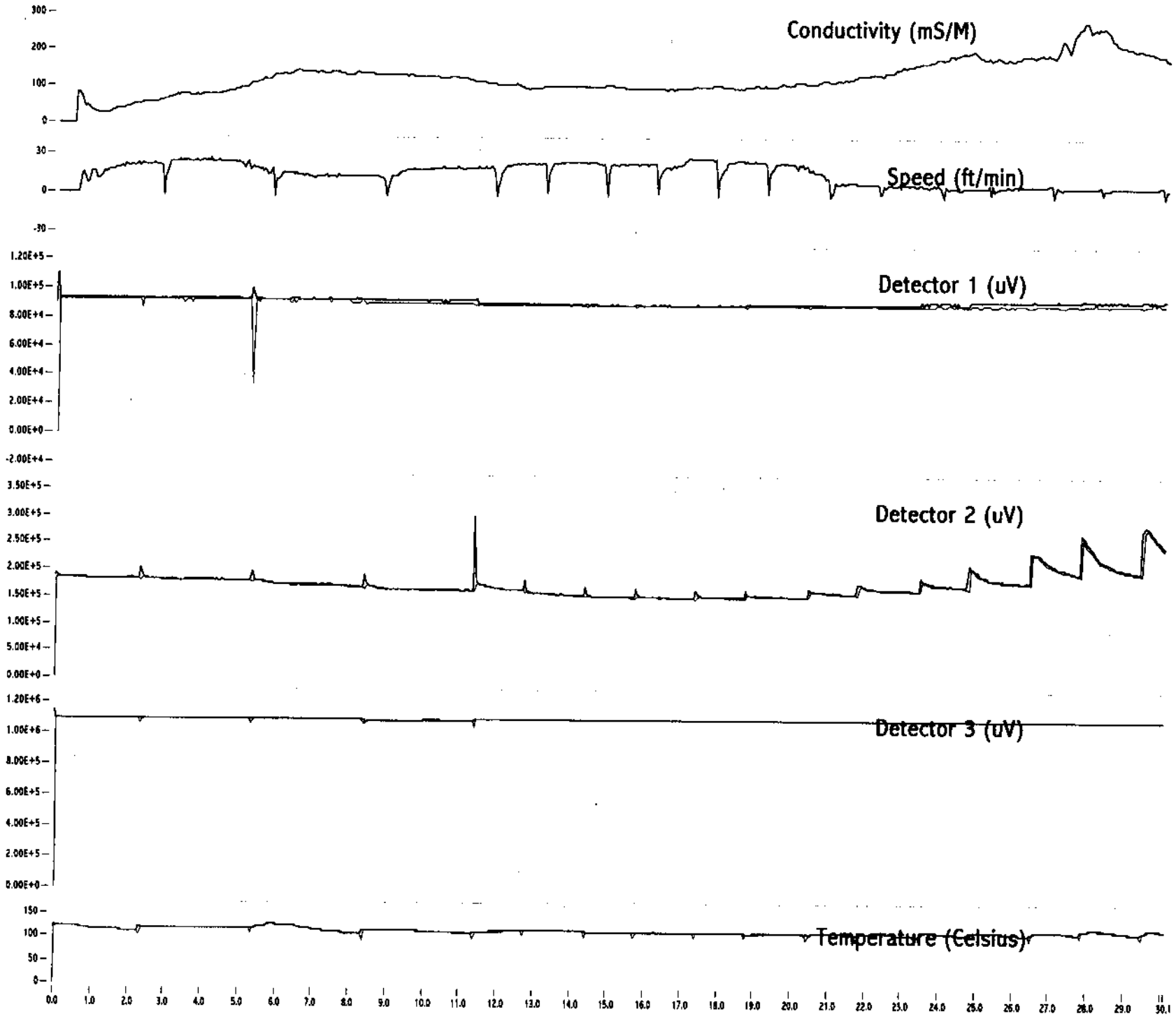
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 7 =	21 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.33)
USER-CALCULATED DEPTH:	=	23.88
STRINGPOT-MEASURED DEPTH:		23.42
DIFFERENCE:		1.9 %

END TIME: 10:24 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Ep-19.dat



EP-19.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/30/04
START TIME: 9:17 AM
DATA FILE NAME: c:\dirim95\logfiles\ep-19.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

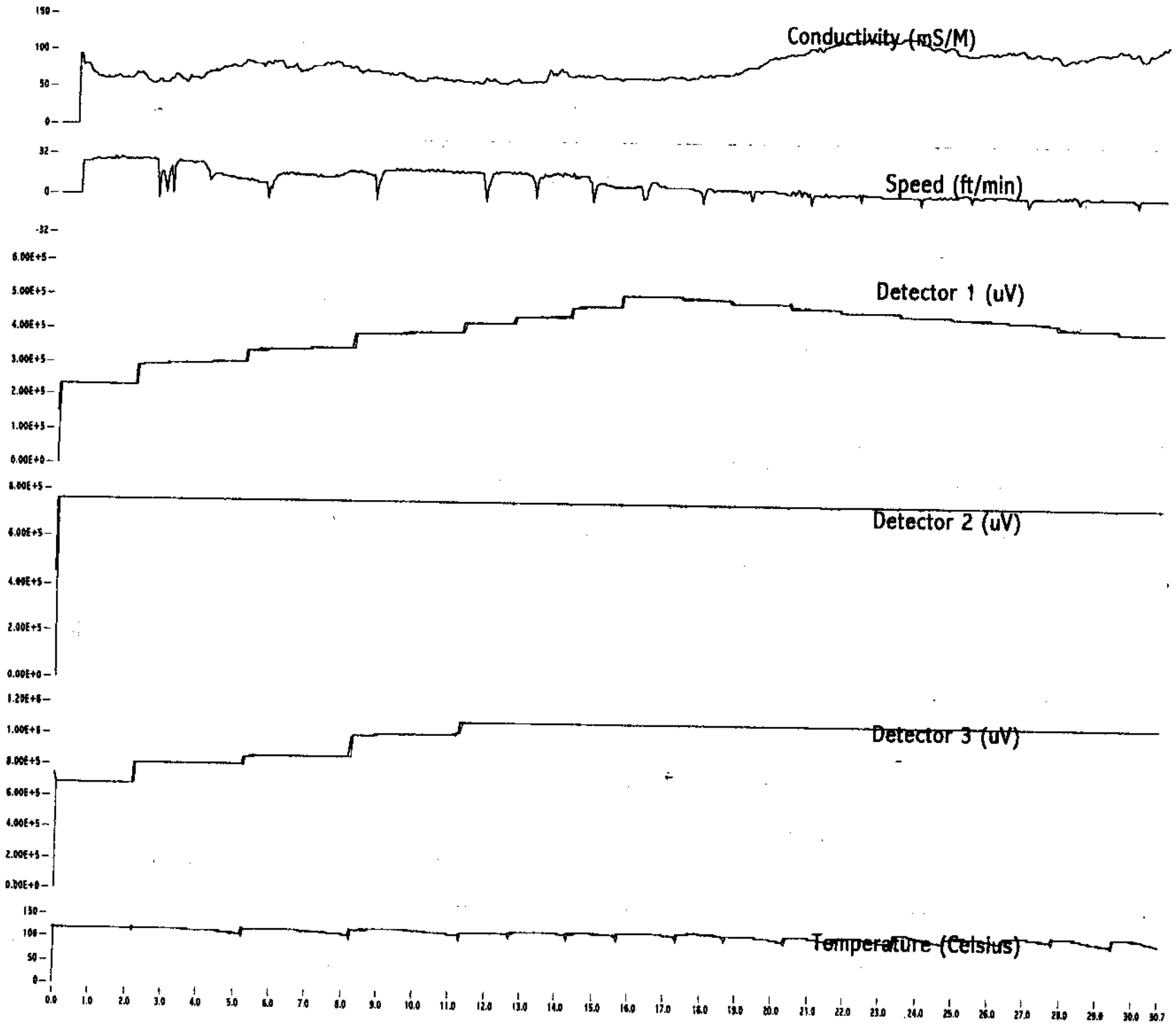
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 =	30 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.25)
USER-CALCULATED DEPTH:	=	30.96
STRINGPOT-MEASURED DEPTH:		30.11
DIFFERENCE:		2.8 %

END TIME: 9:40 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\airm95\LOGFILES\Ep-20.dat



EP-20.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

```
                    DATE: 6/4/04
              START TIME: 2:16 PM
           DATA FILE NAME: c:\dirim95\logfiles\ep-20.dat
             PROBE NUMBER: 0



            DETECTOR ATTENUATION CHANGES:
  DEPTH          DET 1 ATT FACTOR          DET 2 ATT FACTOR
  0.00               1.00                      1.00

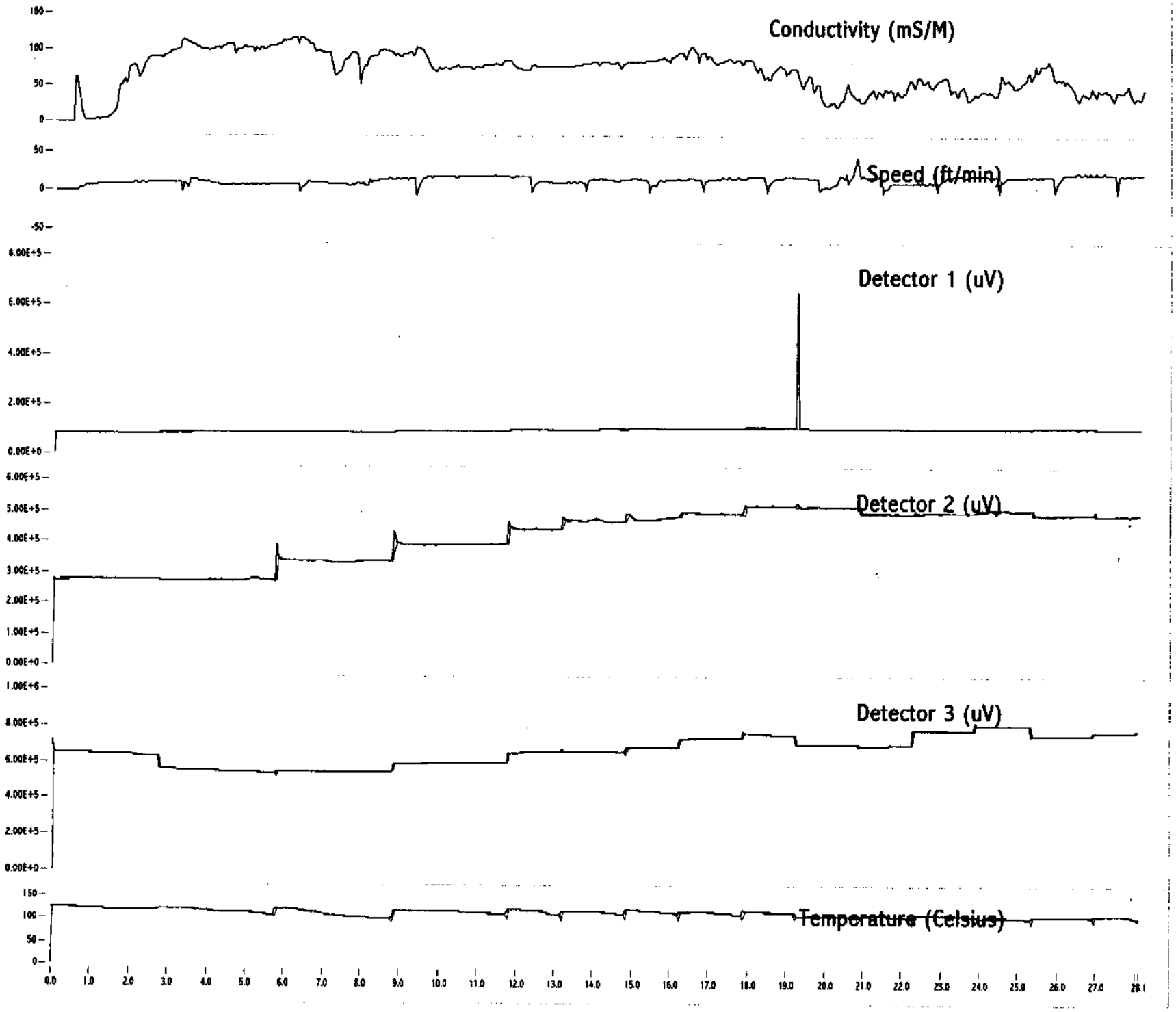
              DEPTH CALCULATION:

              ROD LENGTH: 3.00  feet
       NUMBER OF RODS USED:  x 10 = 30   ft.
LENGTH OF PROBE AND ATTACHED ROD:  +      3.21
 HEIGHT OF LAST ROD ABOVE GROUND:  -     (1.50)
                                        ------
     USER-CALCULATED DEPTH:  =          31.71
  STRINGPOT-MEASURED DEPTH:             30.73
              DIFFERENCE:                3.2  %

                END TIME: 2:39 PM

NOTE:  LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
       FOR GEOPROBE "C" SERIES MIP PROBES
```

Log: C:\dirim95\LOGFILES\Gs-6a.dat



GS-6A.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/10/04
START TIME: 12:59 PM
DATA FILE NAME: c:\dirim95\logfiles\gs-6a.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

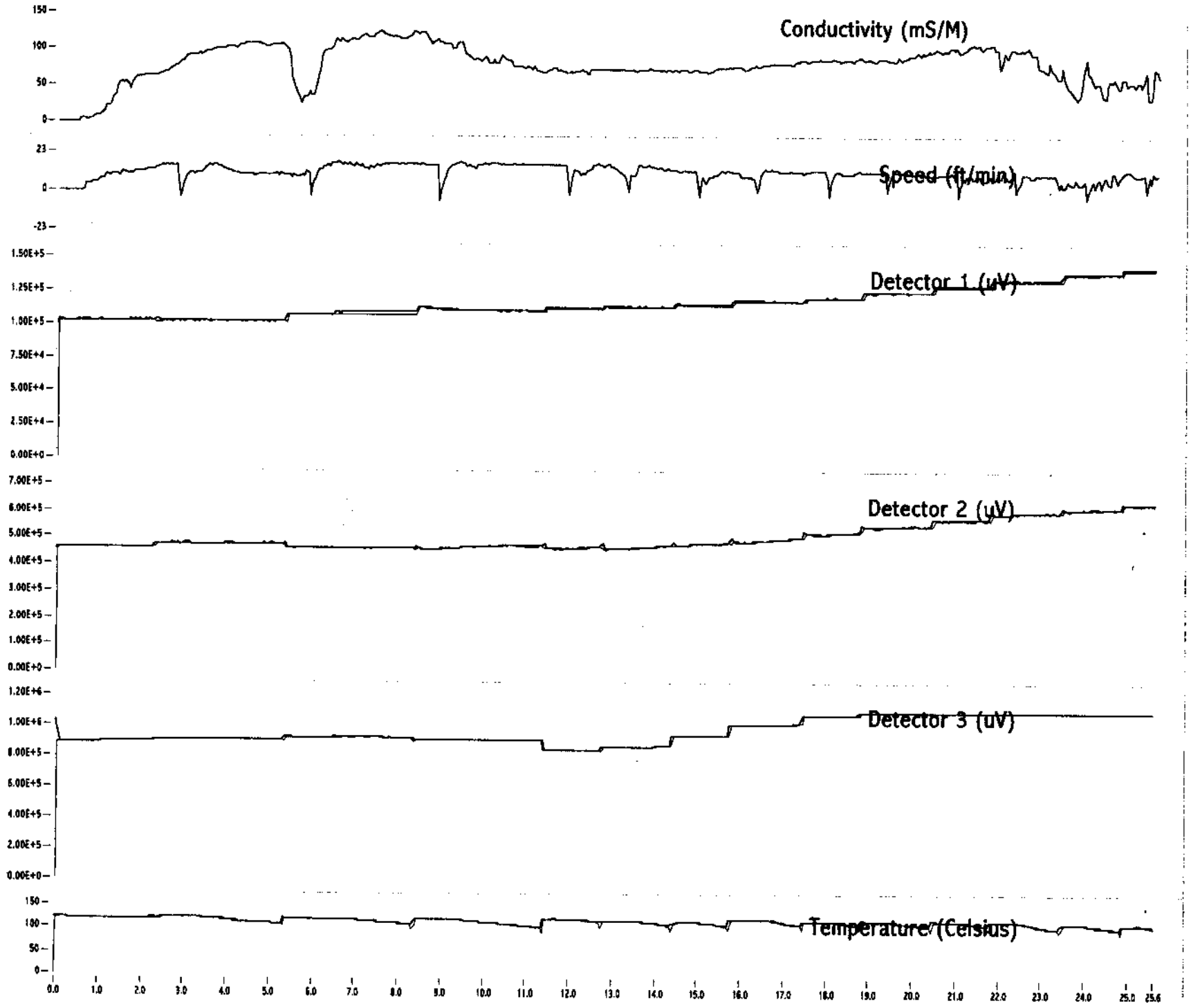
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 9 =	27 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.75)
USER-CALCULATED DEPTH:	=	28.46
STRINGPOT-MEASURED DEPTH:		28.15
DIFFERENCE:		1.1 %

END TIME: 1:18 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Gs-7a.dat



GS-7A.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/10/04
START TIME: 1:41 PM
DATA FILE NAME: c:\dirim95\logfiles\gs-7a.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

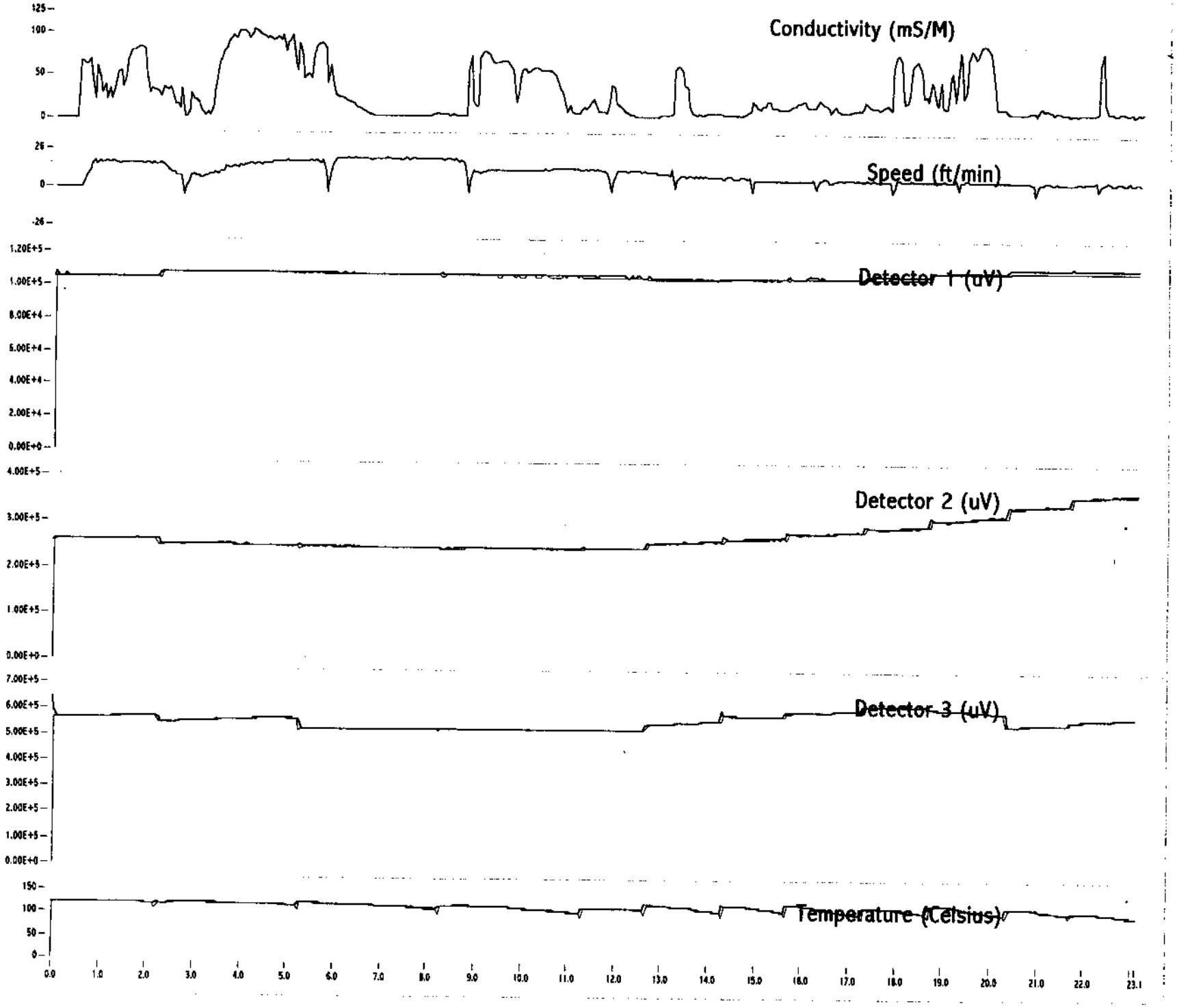
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 8 =	24 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.00)
USER-CALCULATED DEPTH:	=	26.21
STRINGPOT-MEASURED DEPTH:		25.61
DIFFERENCE:		2.3 %

END TIME: 2:00 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Gs-09.dat



GS-09.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/9/04
START TIME: 10:24 AM
DATA FILE NAME: c:\dirim95\logfiles\gs-09.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

DEPTH CALCULATION:

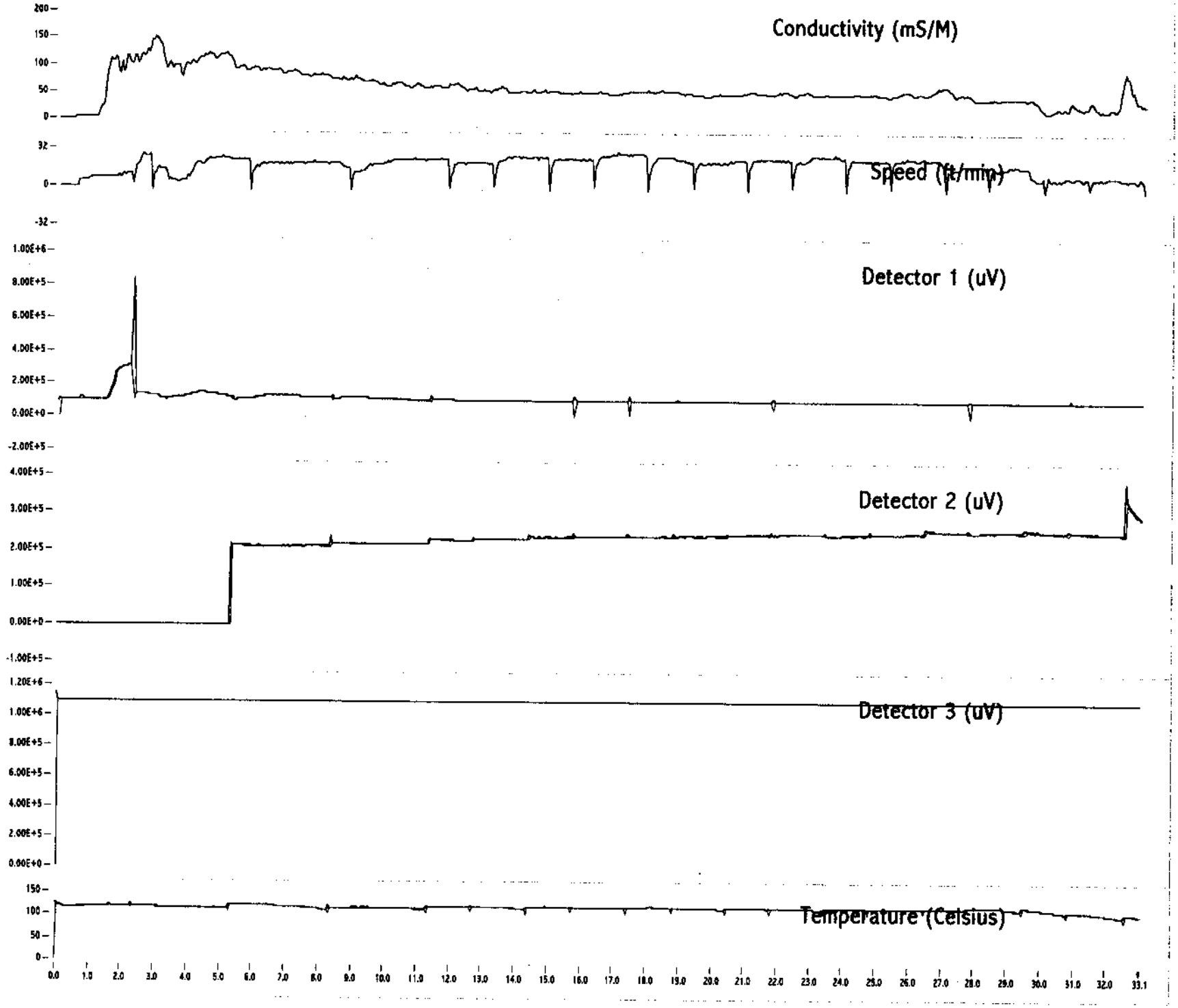
ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 7 =	21 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.25)
USER-CALCULATED DEPTH:	=	23.96
STRINGPOT-MEASURED DEPTH:		23.11
DIFFERENCE:		3.6 %

END TIME: 10:42 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Lf-06.dat

Check on RL For LF06



LF-06.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/1/04
START TIME: 8:37 AM
DATA FILE NAME: c:\dirim95\logfiles\lf-06.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

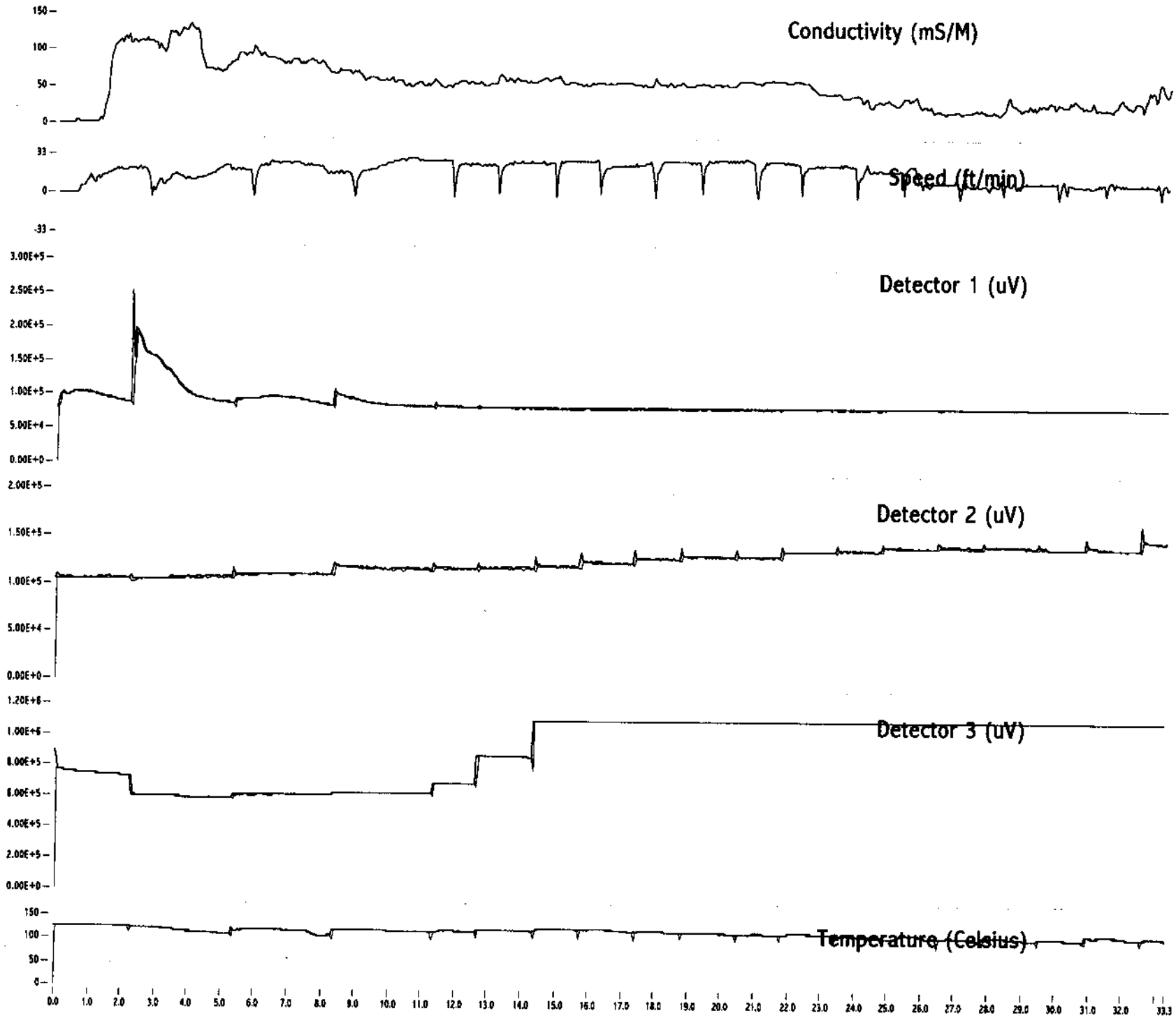
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.25)
USER-CALCULATED DEPTH:	=	33.96
STRINGPOT-MEASURED DEPTH:		33.07
DIFFERENCE:		2.7 %

END TIME: 9:01 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Lf-07.dat



LF-07.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/30/04
START TIME: 2:17 PM
DATA FILE NAME: c:\dirim95\logfiles\lf-07.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

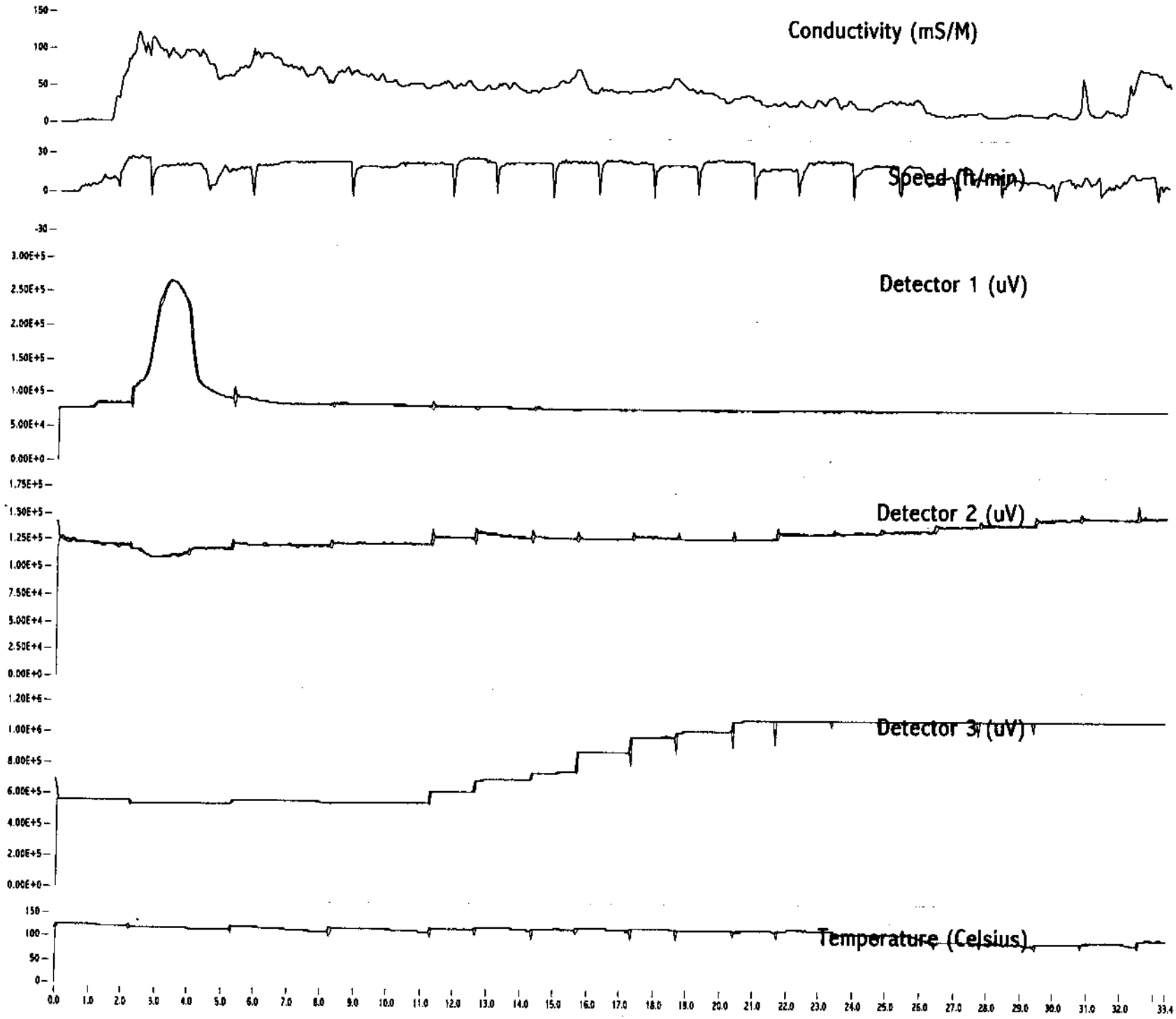
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 = 33 ft.	
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.25)
USER-CALCULATED DEPTH:	=	33.96
STRINGPOT-MEASURED DEPTH:		33.30
DIFFERENCE:		2.0 %

END TIME: 2:42 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Lf-08.dat



LF-08.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/30/04
START TIME: 1:22 PM
DATA FILE NAME: c:\dirim95\logfiles\lf-08.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

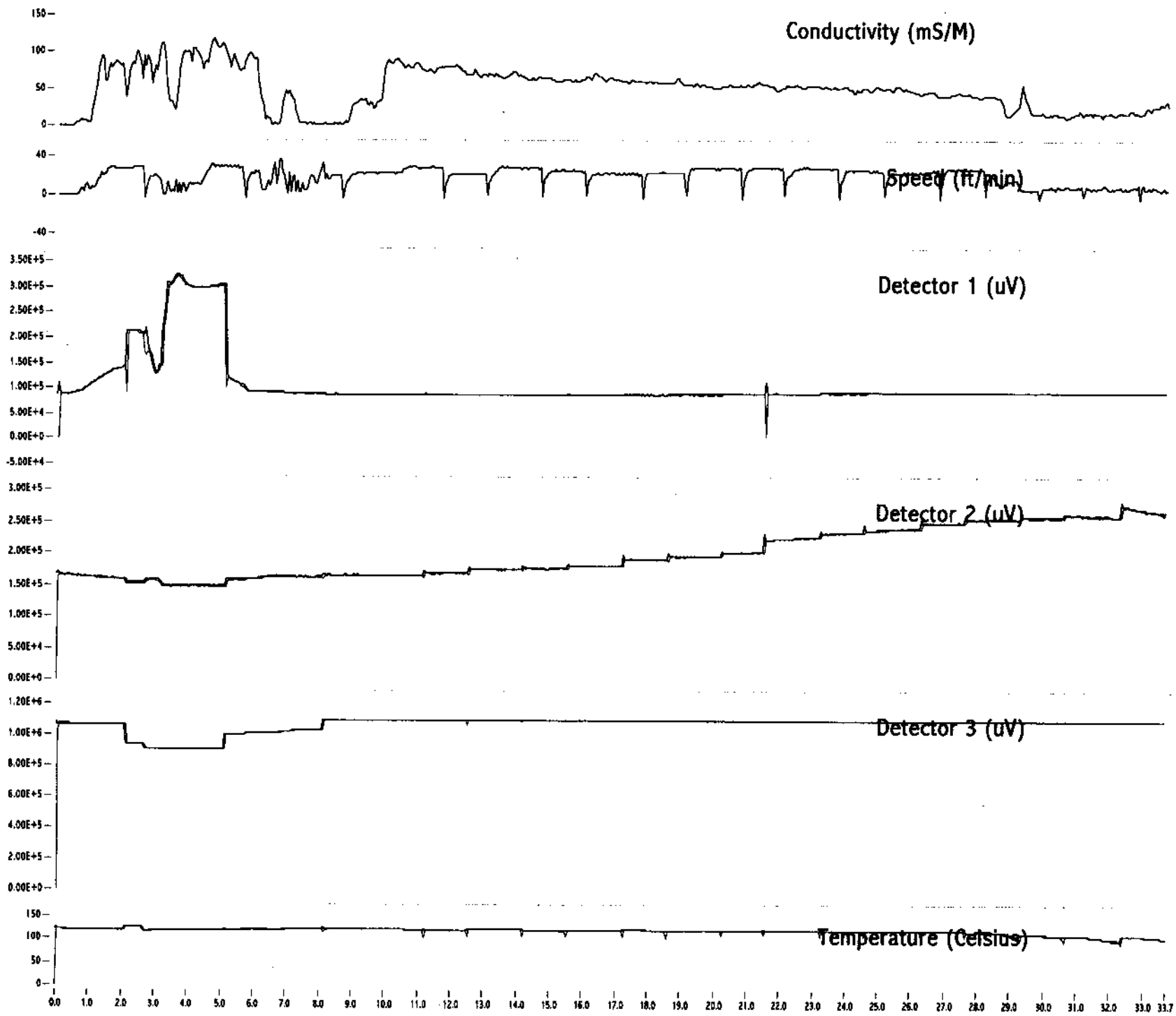
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.00)
USER-CALCULATED DEPTH:	=	34.21
STRINGPOT-MEASURED DEPTH:		33.39
DIFFERENCE:		2.4 %

END TIME: 1:45 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Lf-09.dat



LF-09.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/1/04
START TIME: 9:33 AM
DATA FILE NAME: c:\dirim95\logfiles\lf-09.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

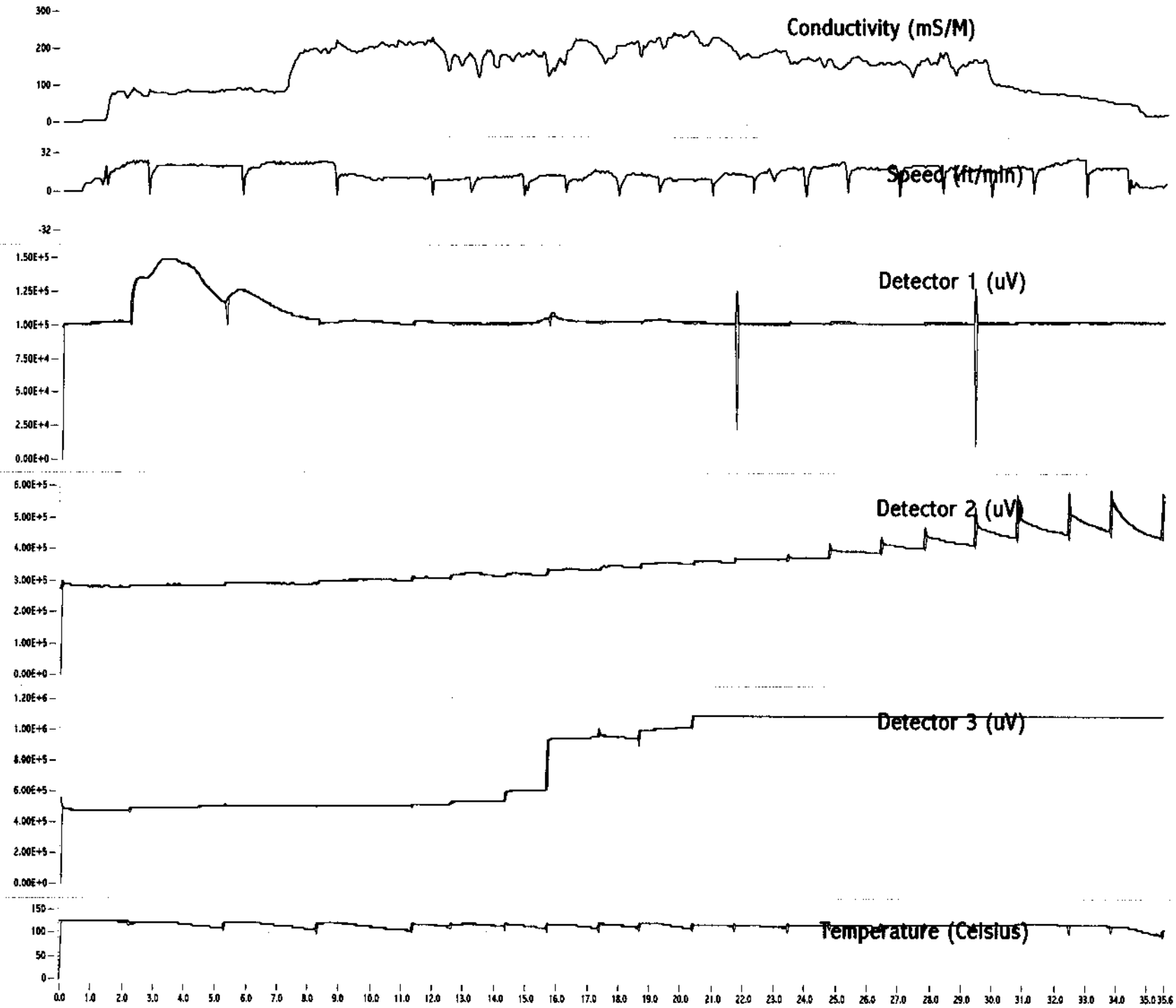
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.50)
USER-CALCULATED DEPTH:	=	34.71
STRINGPOT-MEASURED DEPTH:		33.73
DIFFERENCE:		2.9 %

END TIME: 9:57 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Oa-18.dat



OA-18.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/28/04
START TIME: 9:43 AM
DATA FILE NAME: c:\dirim95\logfiles\oa-18.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

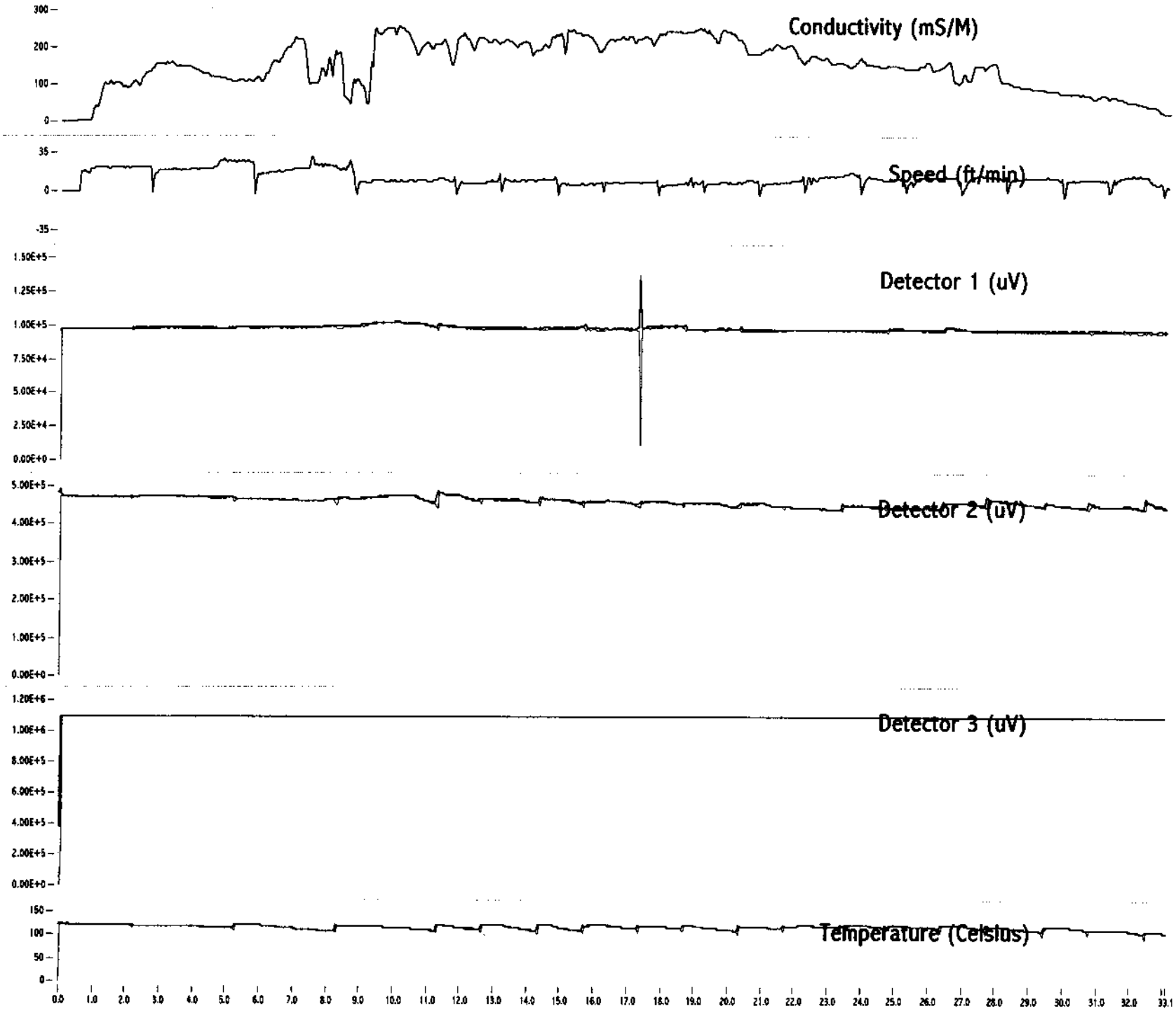
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.25)
USER-CALCULATED DEPTH:	=	35.96
STRINGPOT-MEASURED DEPTH:		35.59
DIFFERENCE:		1.0 %

END TIME: 10:12 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Oa-19a.dat



OA-19A.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/28/04
START TIME: 10:58 AM
DATA FILE NAME: c:\dirim95\logfiles\oa-19a.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

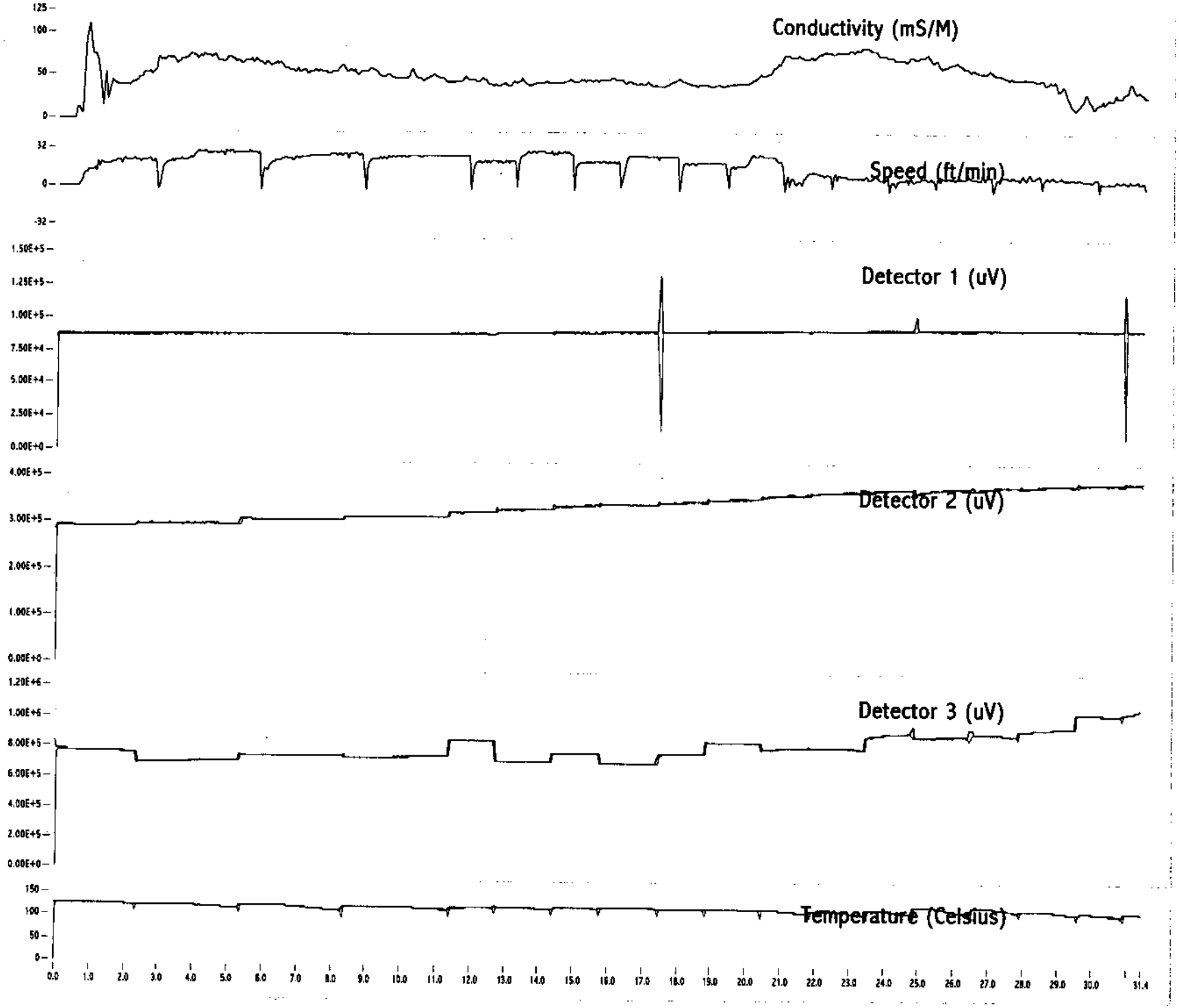
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.92)
USER-CALCULATED DEPTH:	=	34.29
STRINGPOT-MEASURED DEPTH:		33.15
DIFFERENCE:		3.4 %

END TIME: 11:26 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-1.dat



P2-1.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/2/04
START TIME: 9:29 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-1.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

DEPTH CALCULATION:

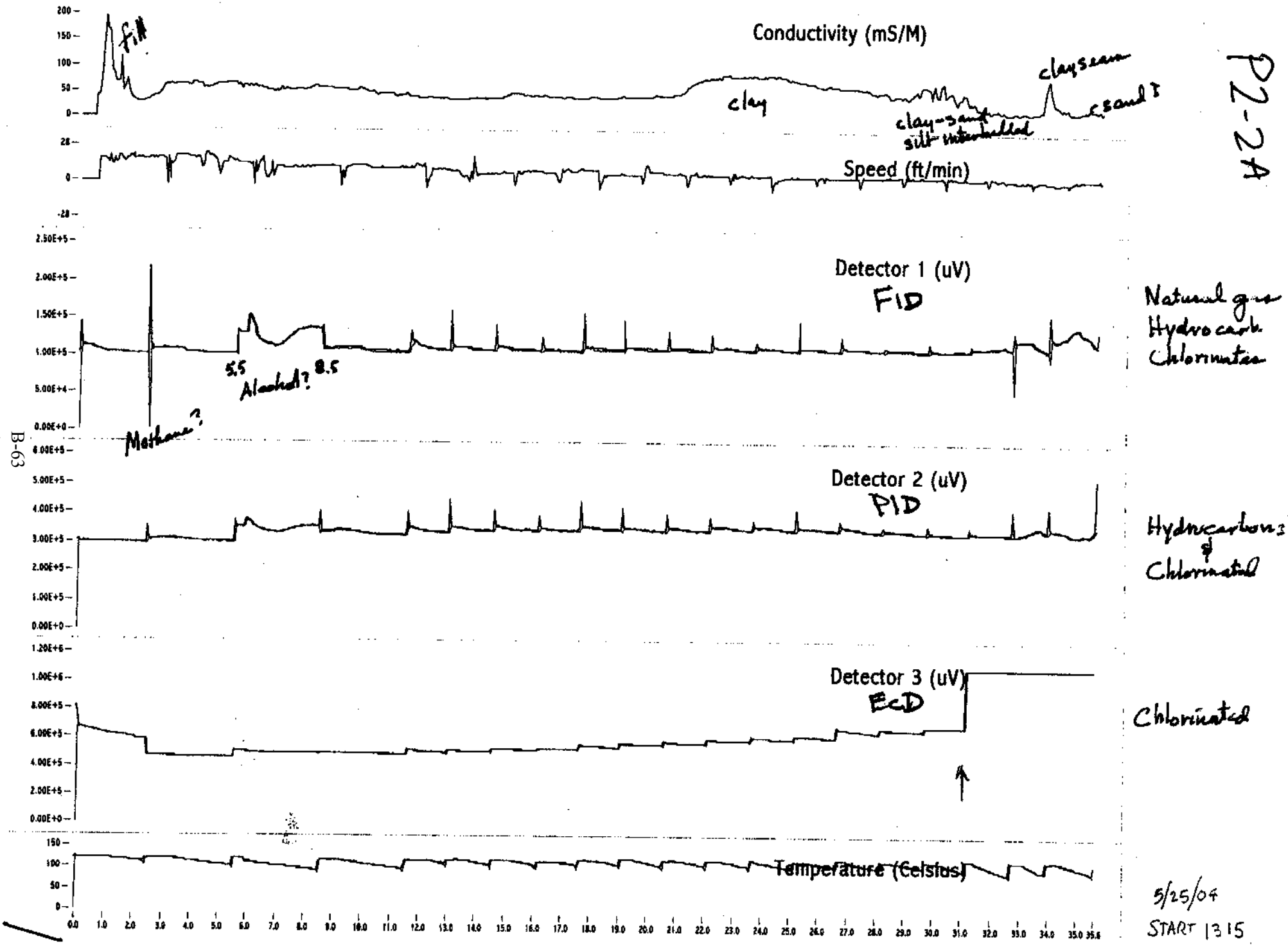
ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 = 30 ft.	
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.00)
USER-CALCULATED DEPTH:	=	32.21
STRINGPOT-MEASURED DEPTH:		31.41
DIFFERENCE:		2.5 %

END TIME: 9:53 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

P2-2A

Log: C:\dirim95\LOGFILES\P2-2a.dat



P2-2A.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 5/25/04
START TIME: 1:43 PM
DATA FILE NAME: c:\dirim95\logfiles\P2-2A.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

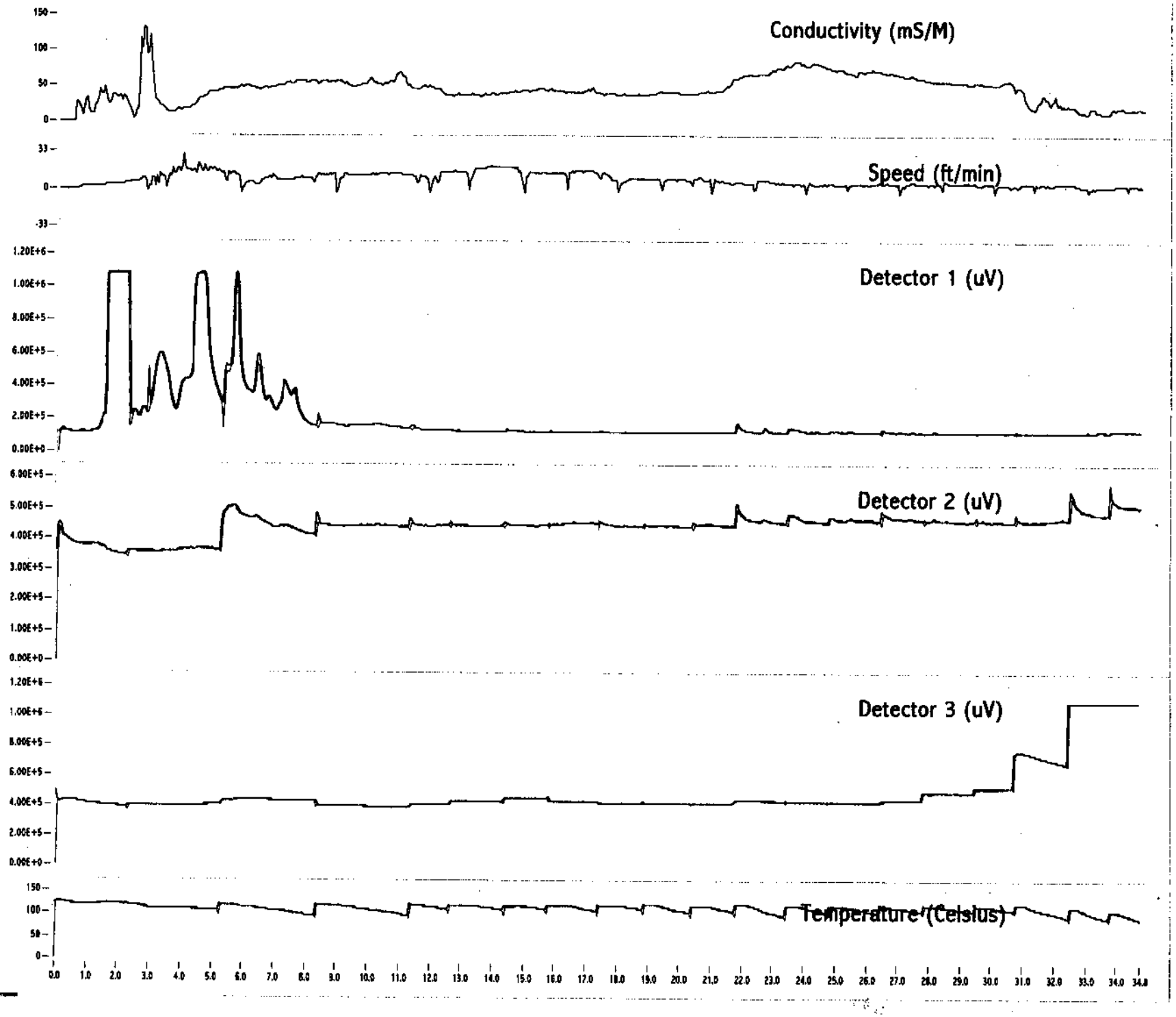
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.33)
USER-CALCULATED DEPTH:	=	35.88
STRINGPOT-MEASURED DEPTH:		35.63
DIFFERENCE:		0.7 %

END TIME: 2:18 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-3a.dat



P2-3A.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 5/27/04
START TIME: 8:13 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-3a.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

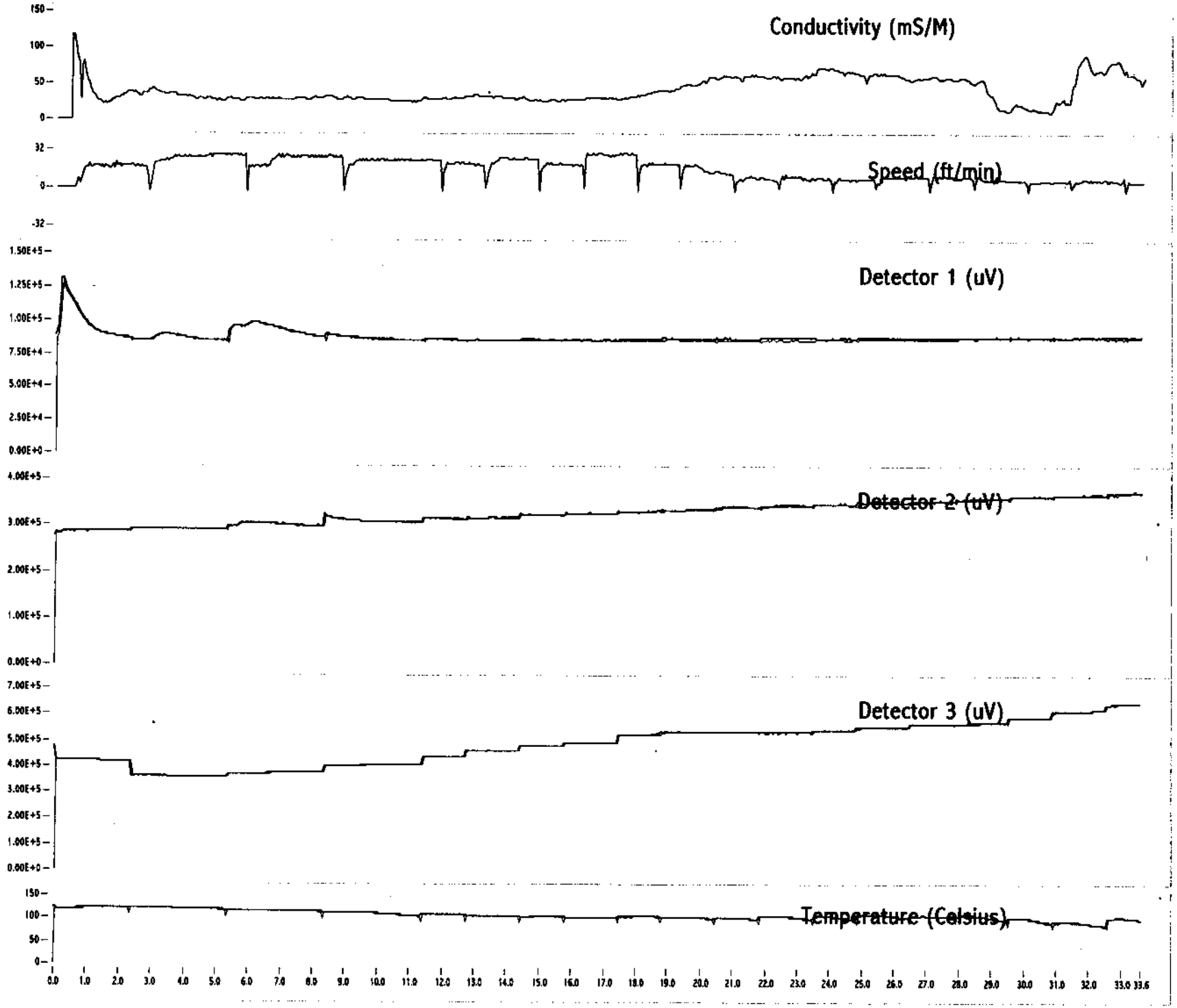
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 = 33	ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.00)
USER-CALCULATED DEPTH:	=	35.21
STRINGPOT-MEASURED DEPTH:		34.77
DIFFERENCE:		1.2 %

END TIME: 8:47 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-4.dat



P2-4.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/15/04
START TIME: 7:54 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-4.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

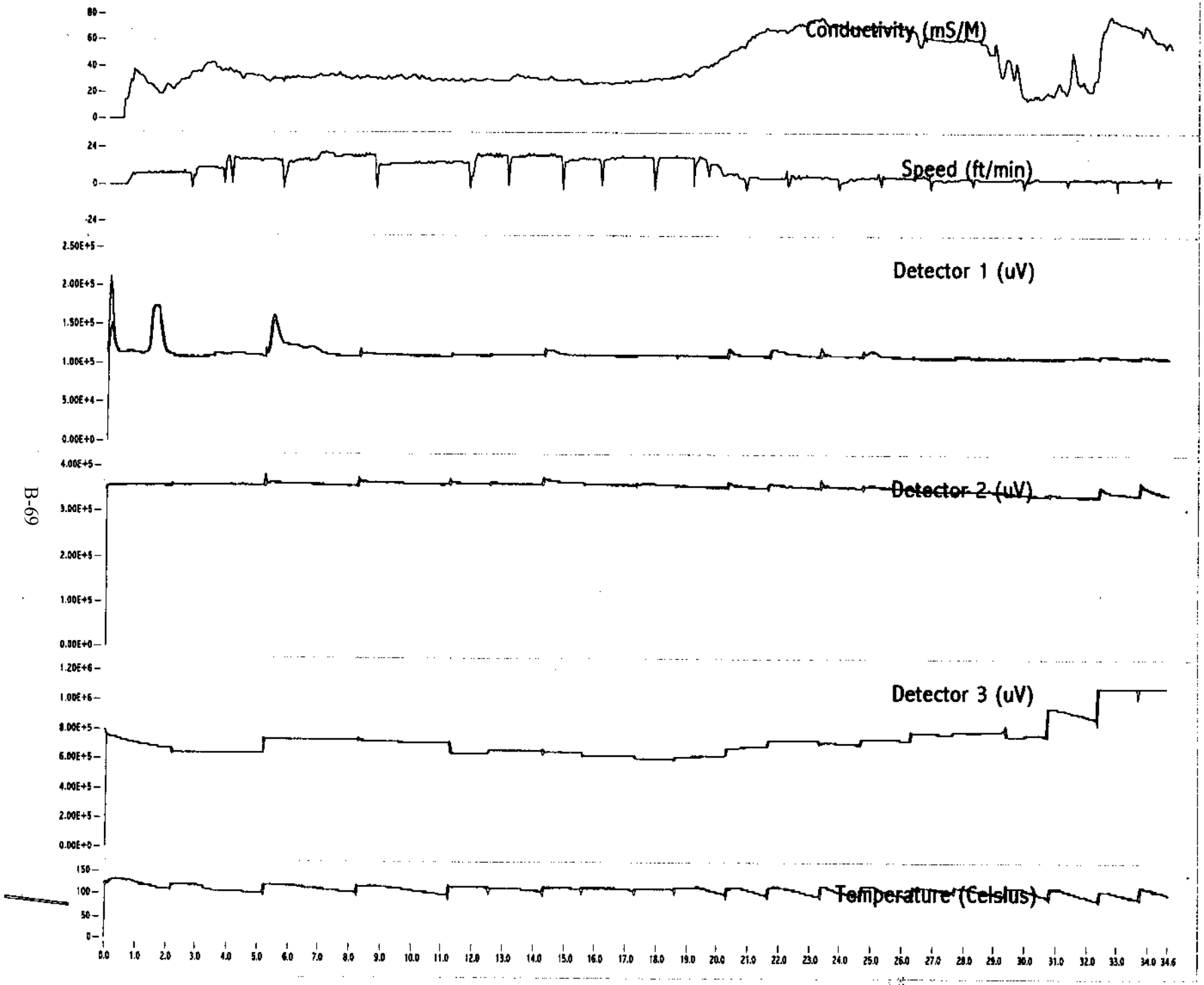
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 =	30 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.83)
USER-CALCULATED DEPTH:	=	31.38
STRINGPOT-MEASURED DEPTH:		33.63
DIFFERENCE:		6.9 %

END TIME: 8:19 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-5.dat



P2-5.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 5/27/04
START TIME: 9:39 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-5.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

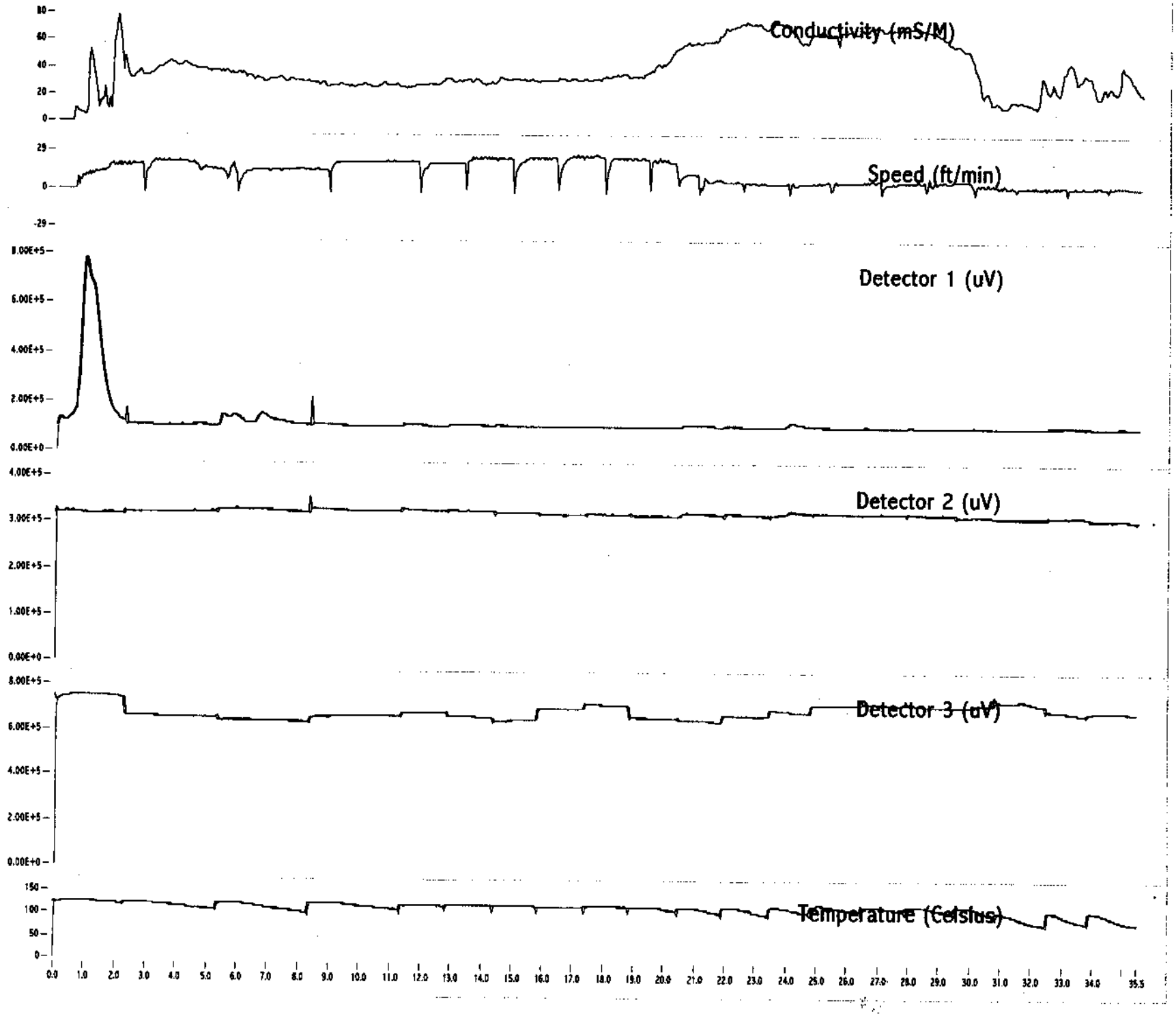
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 = 33	ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.83)
USER-CALCULATED DEPTH:	=	35.38
STRINGPOT-MEASURED DEPTH:		34.69
DIFFERENCE:		2.0 %

END TIME: 10:12 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-6.dat



P2-6.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 5/27/04
START TIME: 10:54 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-6.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

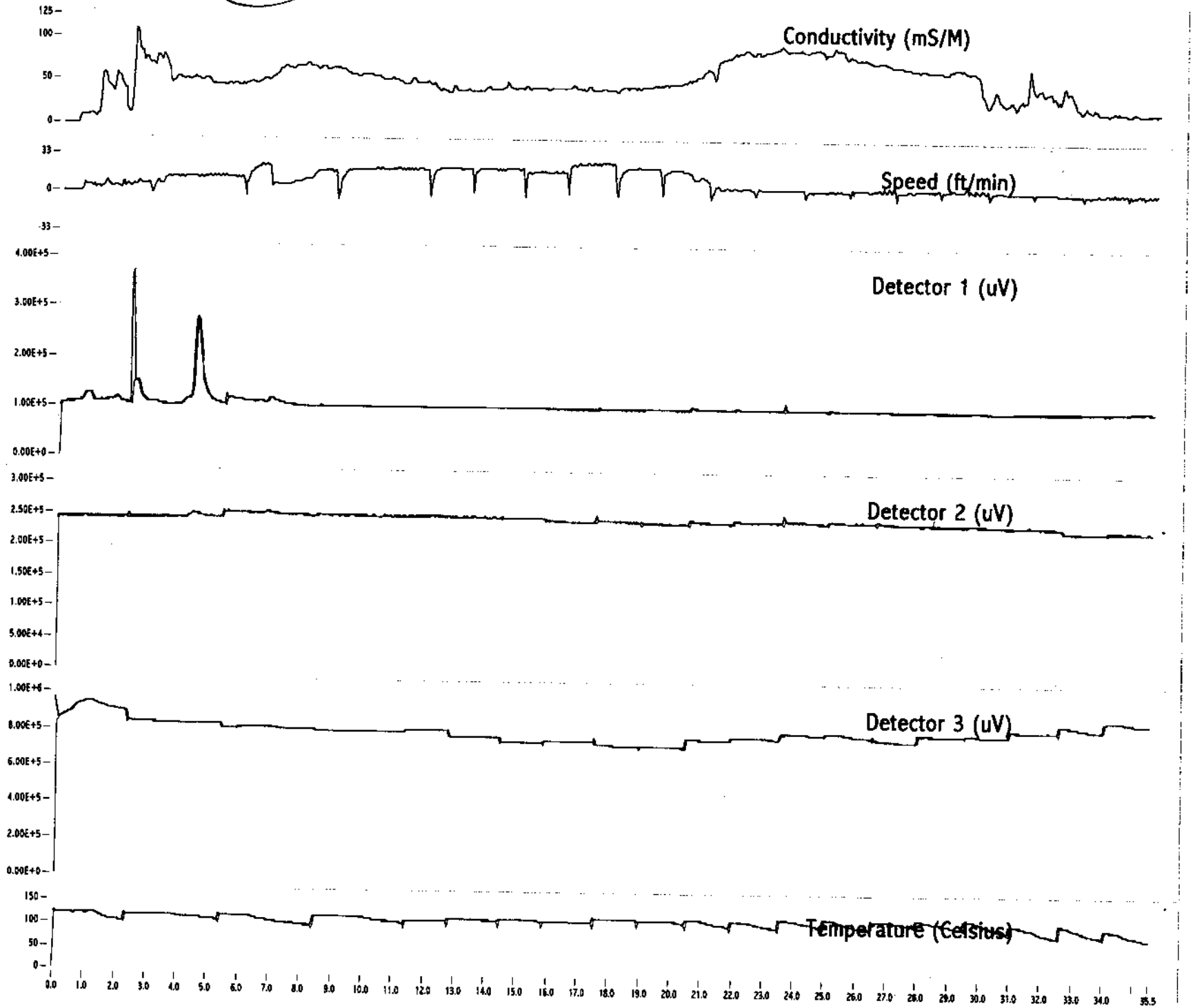
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.33)
USER-CALCULATED DEPTH:	=	35.88
STRINGPOT-MEASURED DEPTH:		35.49
DIFFERENCE:		1.1 %

END TIME: 11:23 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-8.dat



P2-8.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 5/27/04
START TIME: 2:14 PM
DATA FILE NAME: c:\dirim95\logfiles\p2-8.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

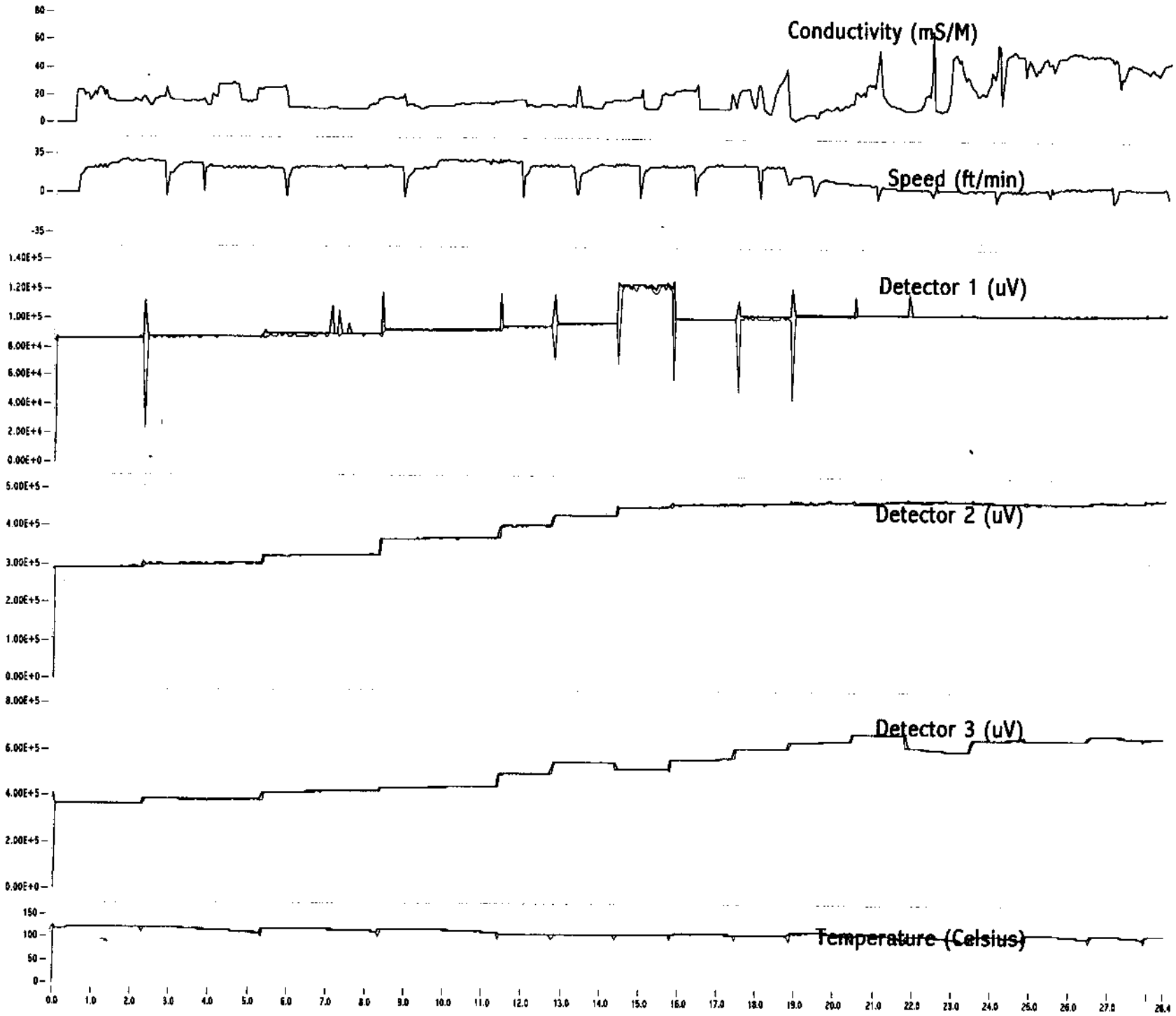
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 = 33 ft.	
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.25)
USER-CALCULATED DEPTH:	=	35.96
STRINGPOT-MEASURED DEPTH:		35.53
DIFFERENCE:		1.2 %

END TIME: 2:45 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-9.dat



P2-9.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/8/04
START TIME: 1:34 PM
DATA FILE NAME: c:\dirim95\logfiles\p2-9.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

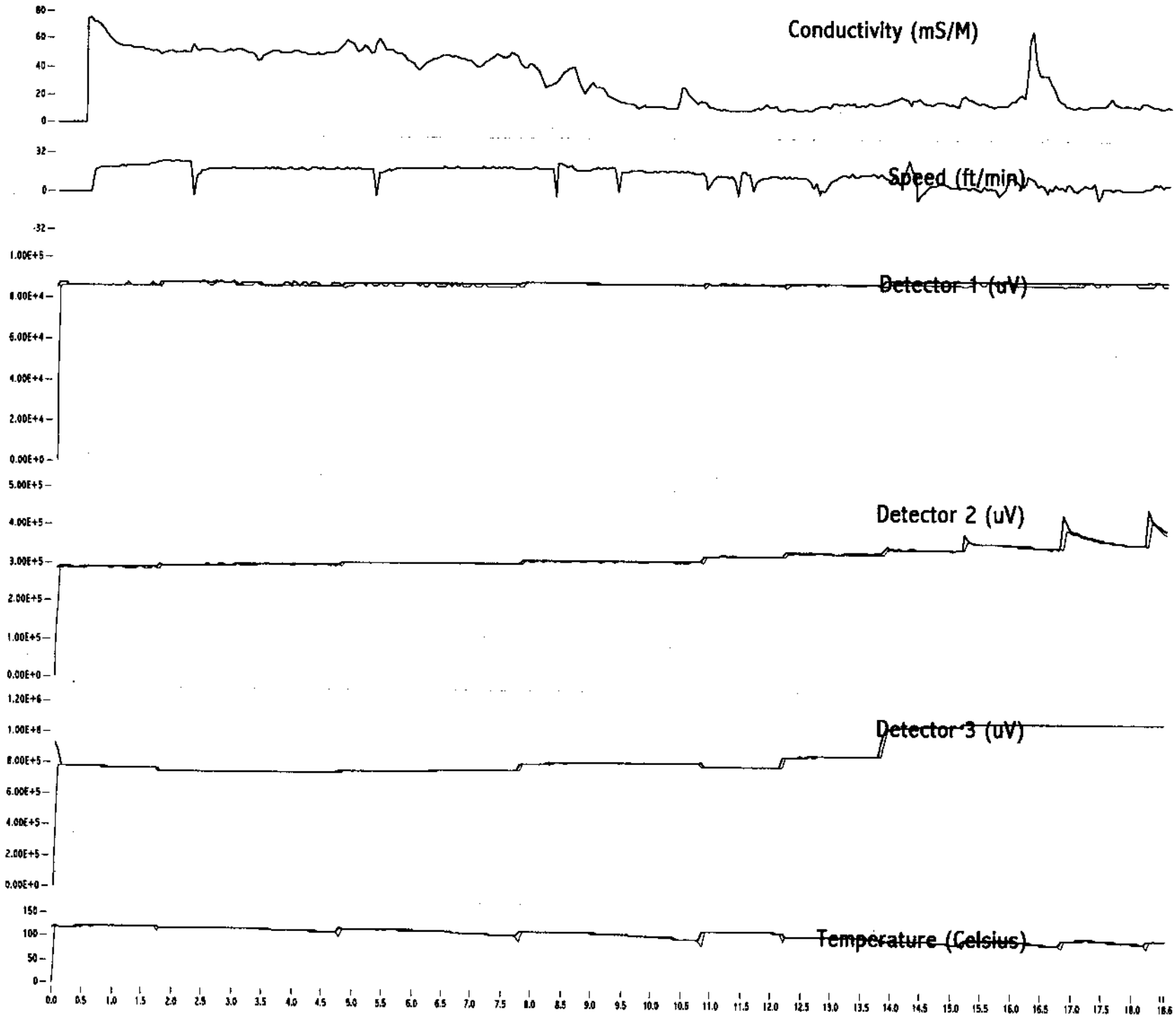
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 9 =	27 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.00)
USER-CALCULATED DEPTH:	=	29.21
STRINGPOT-MEASURED DEPTH:		28.45
DIFFERENCE:		2.6 %

END TIME: 1:54 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-10.dat



P2-10.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/6/04
START TIME: 9:34 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-10.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

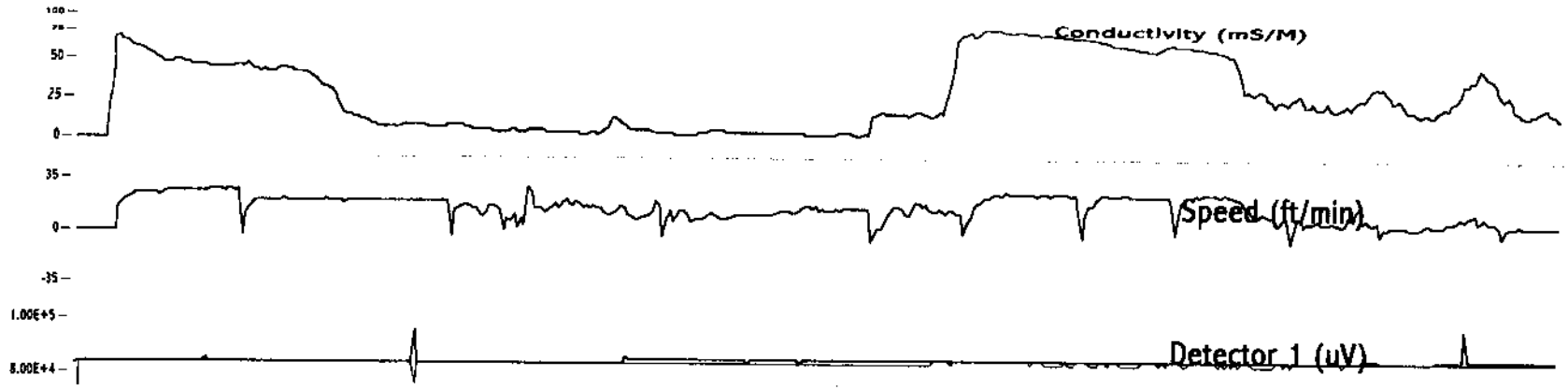
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 6 =	18 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.17)
USER-CALCULATED DEPTH:	=	20.04
STRINGPOT-MEASURED DEPTH:		18.55
DIFFERENCE:		7.7 %

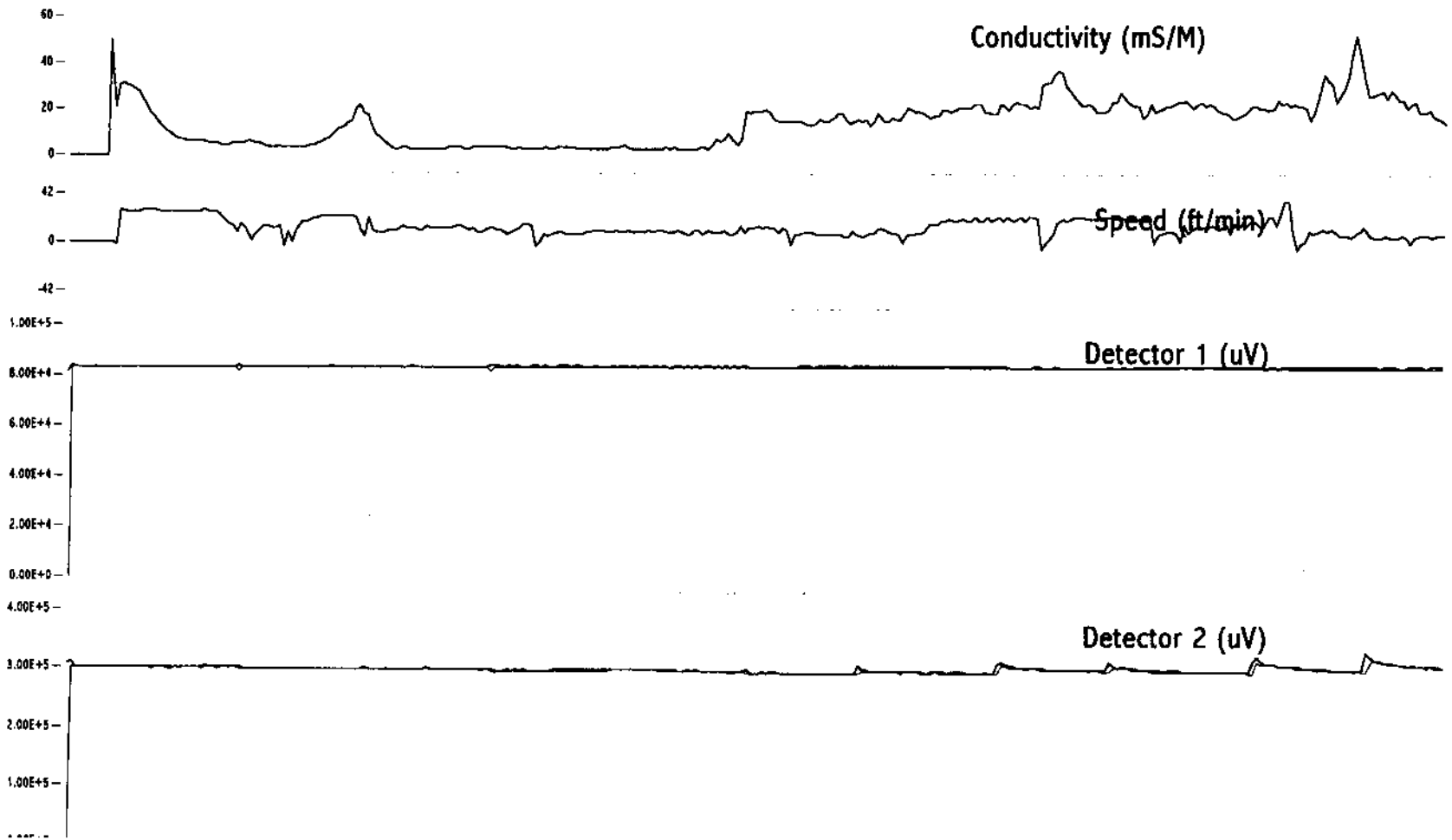
END TIME: 9:49 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-11.dat



Log: C:\dirim95\LOGFILES\P2-12a.dat



P2-11.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/6/04
START TIME: 10:26 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-11.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

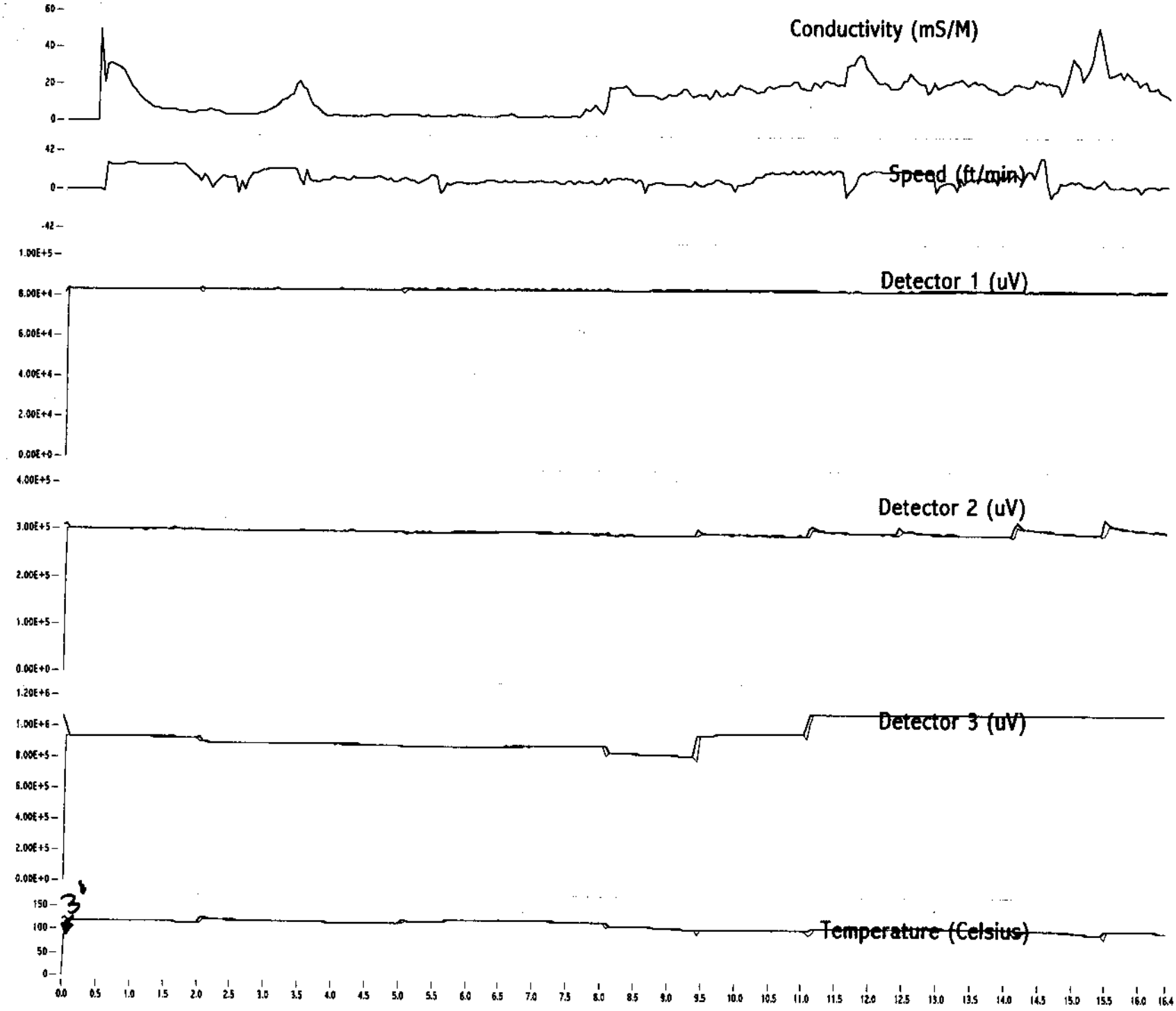
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 7 =	21 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.50)
USER-CALCULATED DEPTH:	=	22.71
STRINGPOT-MEASURED DEPTH:		21.36
DIFFERENCE:		6.1 %

END TIME: 10:41 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-12a.dat



19.4

P2-12A.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/6/04
START TIME: 11:20 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-12a.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

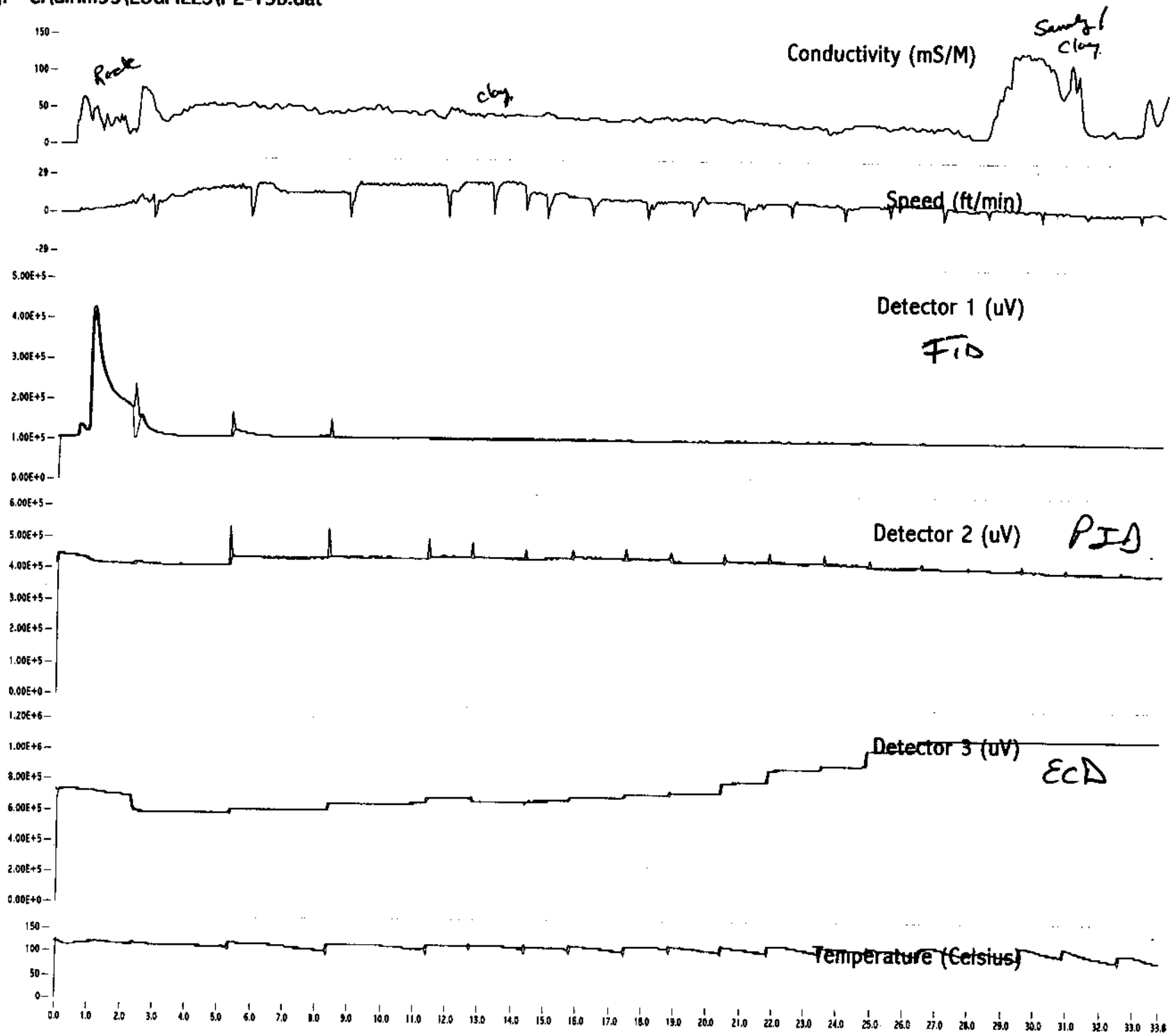
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet		
NUMBER OF RODS USED:	x 6 =	18	ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21	
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.67)	
USER-CALCULATED DEPTH:	=	20.54	
STRINGPOT-MEASURED DEPTH:		16.42	
DIFFERENCE:		22.3	%

END TIME: 11:33 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-13b.dat



P2-13B.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/1/04
START TIME: 1:11 PM
DATA FILE NAME: c:\dirim95\logfiles\p2-13b.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

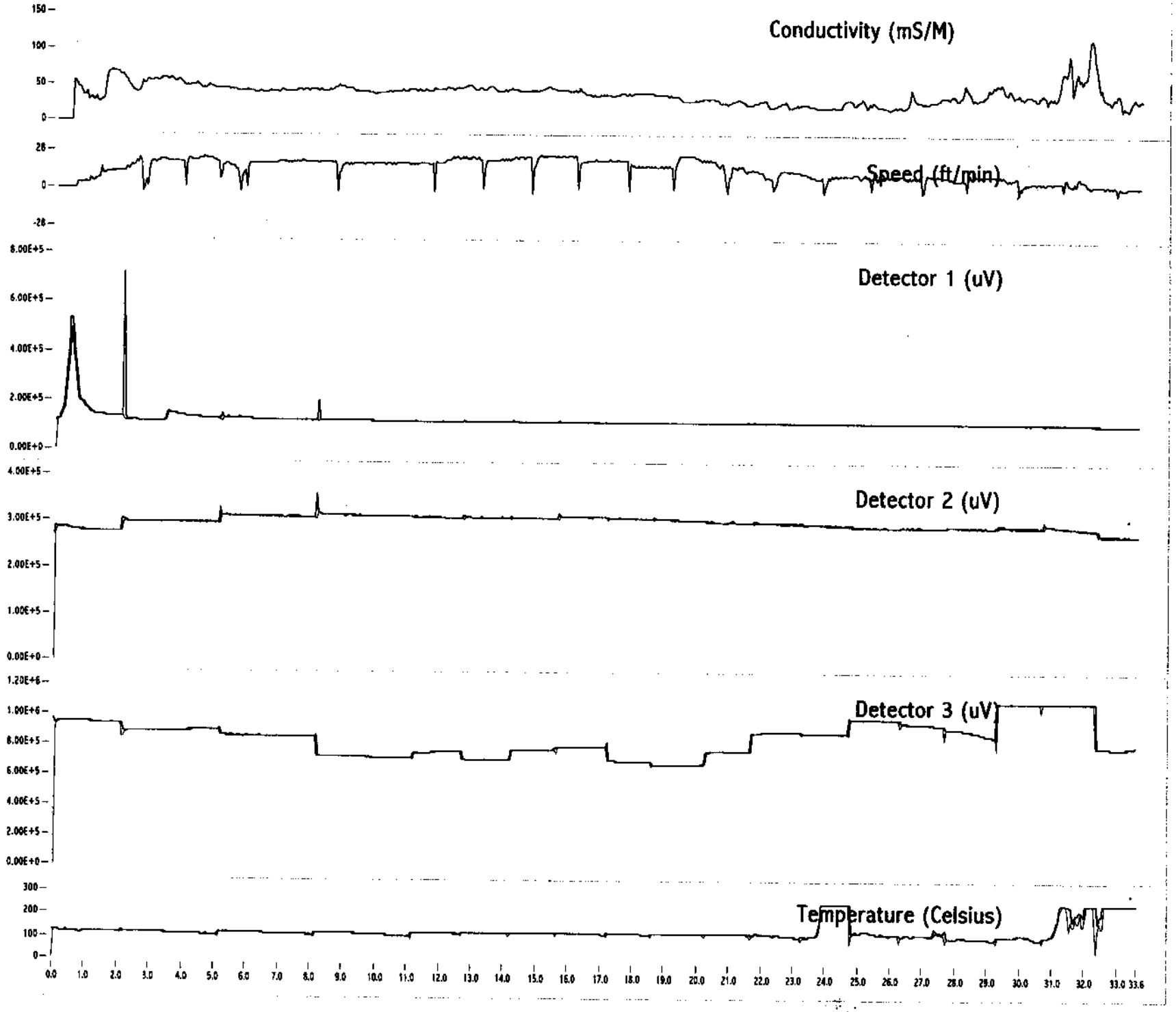
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.58)
USER-CALCULATED DEPTH:	=	34.63
STRINGPOT-MEASURED DEPTH:		33.83
DIFFERENCE:		2.3 %

END TIME: 1:38 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-14a.dat



P2-14A.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/1/04
START TIME: 9:05 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-14a.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

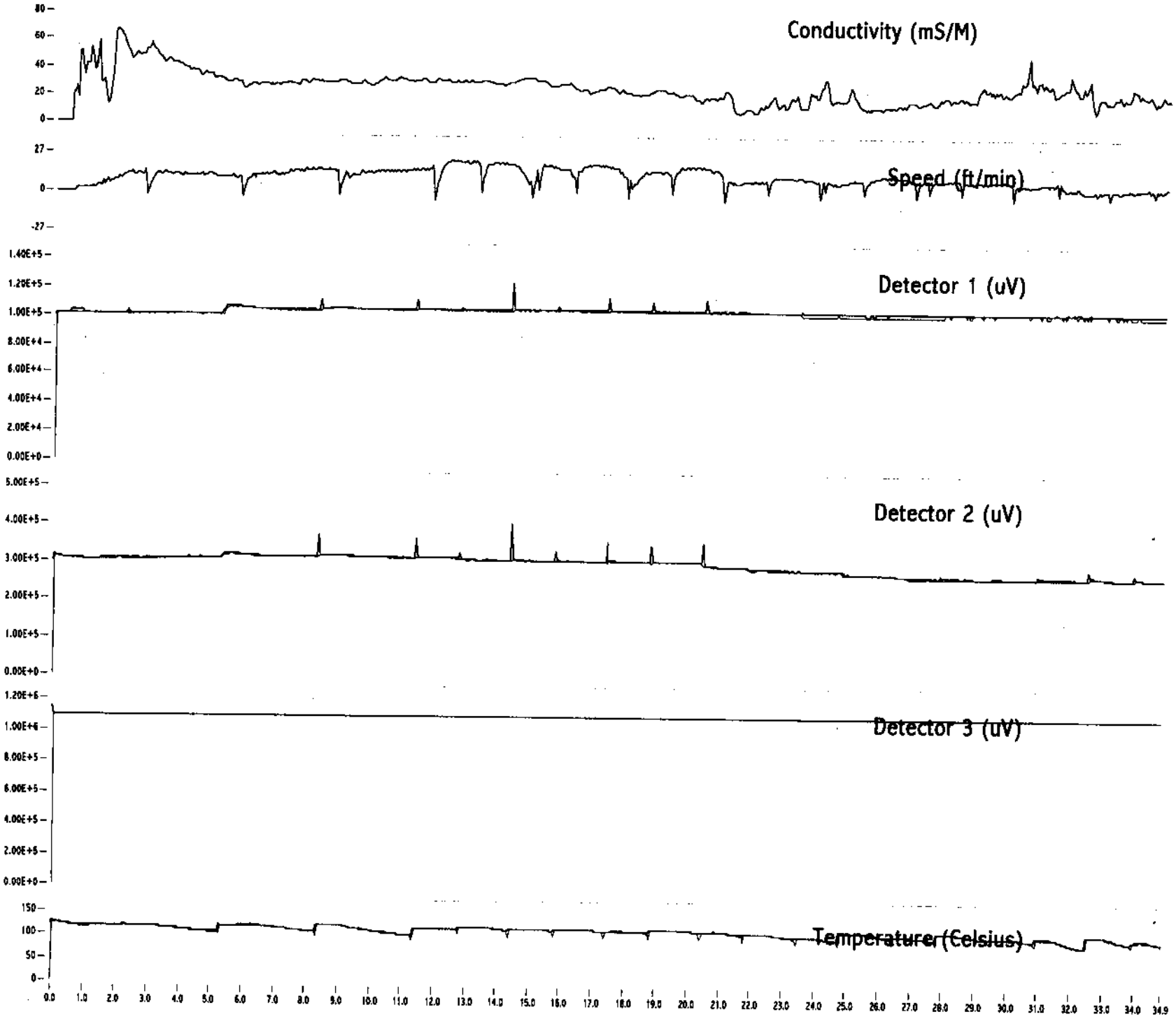
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.50)
USER-CALCULATED DEPTH:	=	34.71
STRINGPOT-MEASURED DEPTH:		33.64
DIFFERENCE:		3.1 %

END TIME: 9:36 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-15.dat



P2-15.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/1/04
START TIME: 2:17 PM
DATA FILE NAME: c:\dirim95\logfiles\p2-15.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

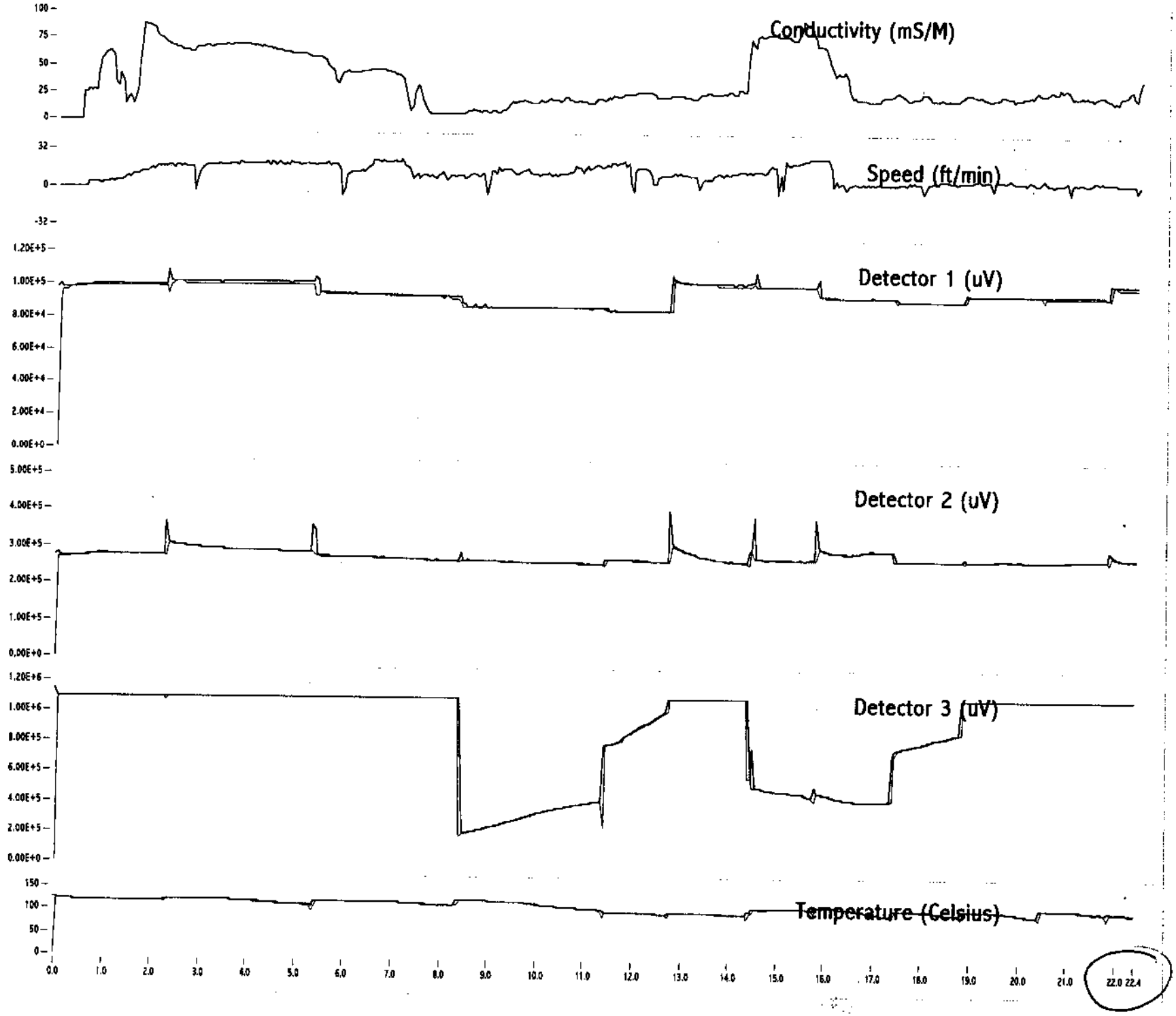
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.83)
USER-CALCULATED DEPTH:	=	35.38
STRINGPOT-MEASURED DEPTH:		34.86
DIFFERENCE:		1.5 %

END TIME: 2:45 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-16.dat



P2-16.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

```
                    DATE: 6/1/04
              START TIME: 3:33 PM
          DATA FILE NAME: c:\dirim95\logfiles\p2-16.dat
            PROBE NUMBER: 0


            DETECTOR ATTENUATION CHANGES:
 DEPTH          DET 1 ATT FACTOR          DET 2 ATT FACTOR
 0.00              1.00                      1.00

              DEPTH CALCULATION:

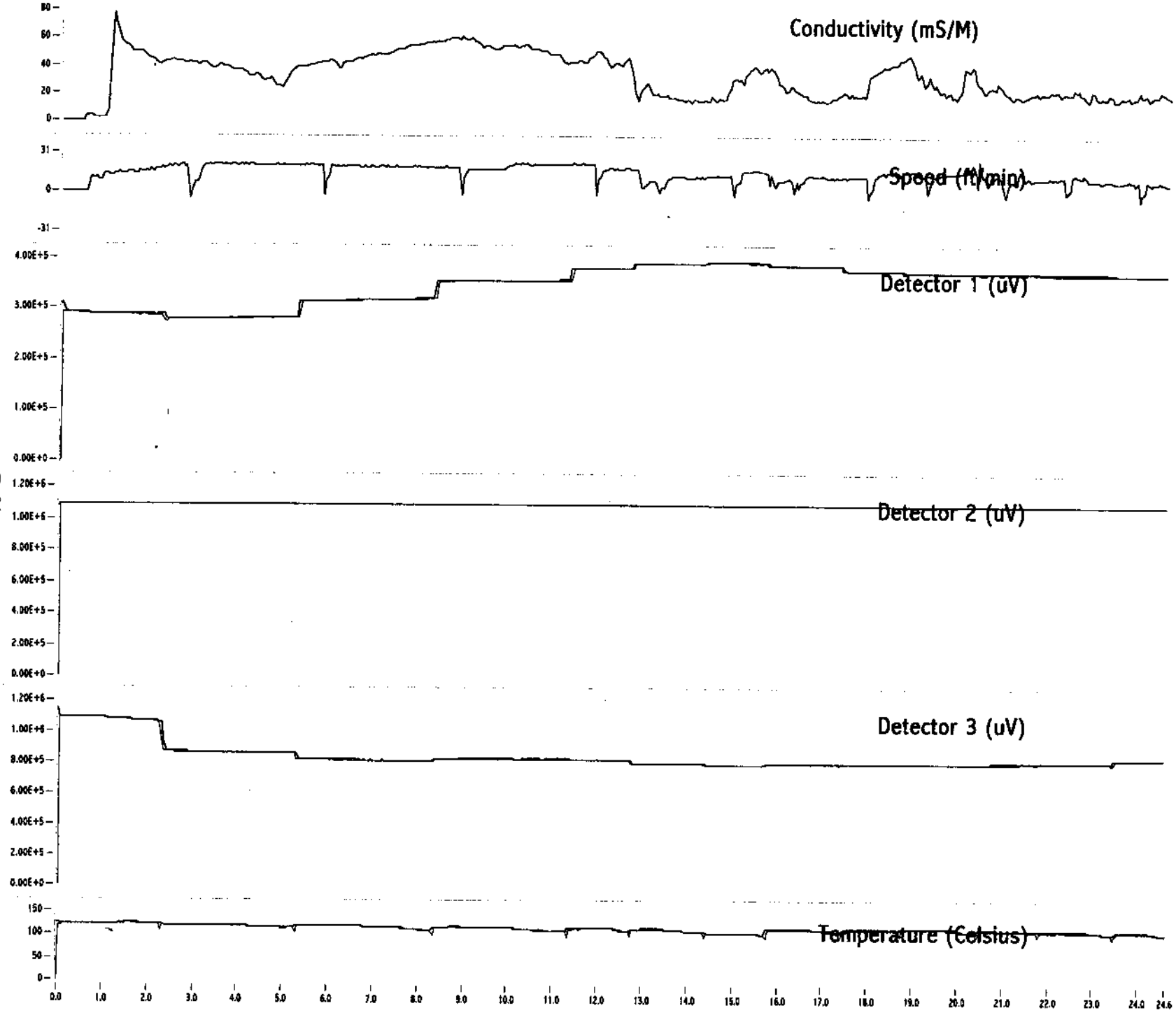
              ROD LENGTH: 3.00  feet
       NUMBER OF RODS USED:  x 7 =  21   ft.
LENGTH OF PROBE AND ATTACHED ROD:  +     3.21
 HEIGHT OF LAST ROD ABOVE GROUND:  -    (1.00)
                                      ________
     USER-CALCULATED DEPTH:  =        23.21
  STRINGPOT-MEASURED DEPTH:           22.43
              DIFFERENCE:              3.4  %

                END TIME: 3:49 PM

NOTE:  LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
       FOR GEOPROBE "C" SERIES MIP PROBES
```

Page 1

Log: C:\dirim95\LOGFILES\P2-17c.dat



P2-17C.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/4/04
START TIME: 8:10 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-17c.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

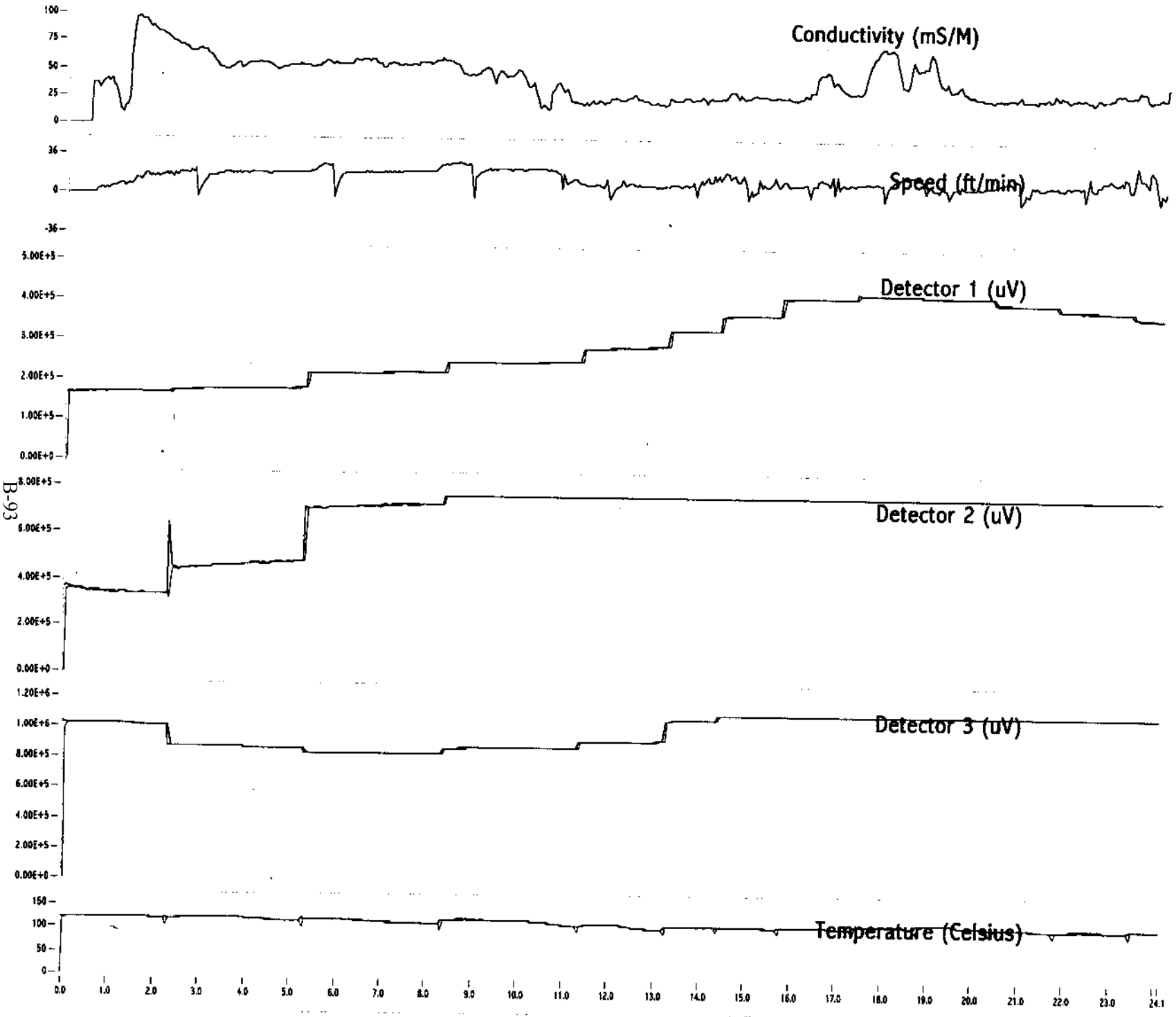
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 8 =	24 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.50)
USER-CALCULATED DEPTH:	=	25.71
STRINGPOT-MEASURED DEPTH:		24.65
DIFFERENCE:		4.2 %

END TIME: 8:27 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-18.dat



P2-18.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/4/04
START TIME: 10:48 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-18.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

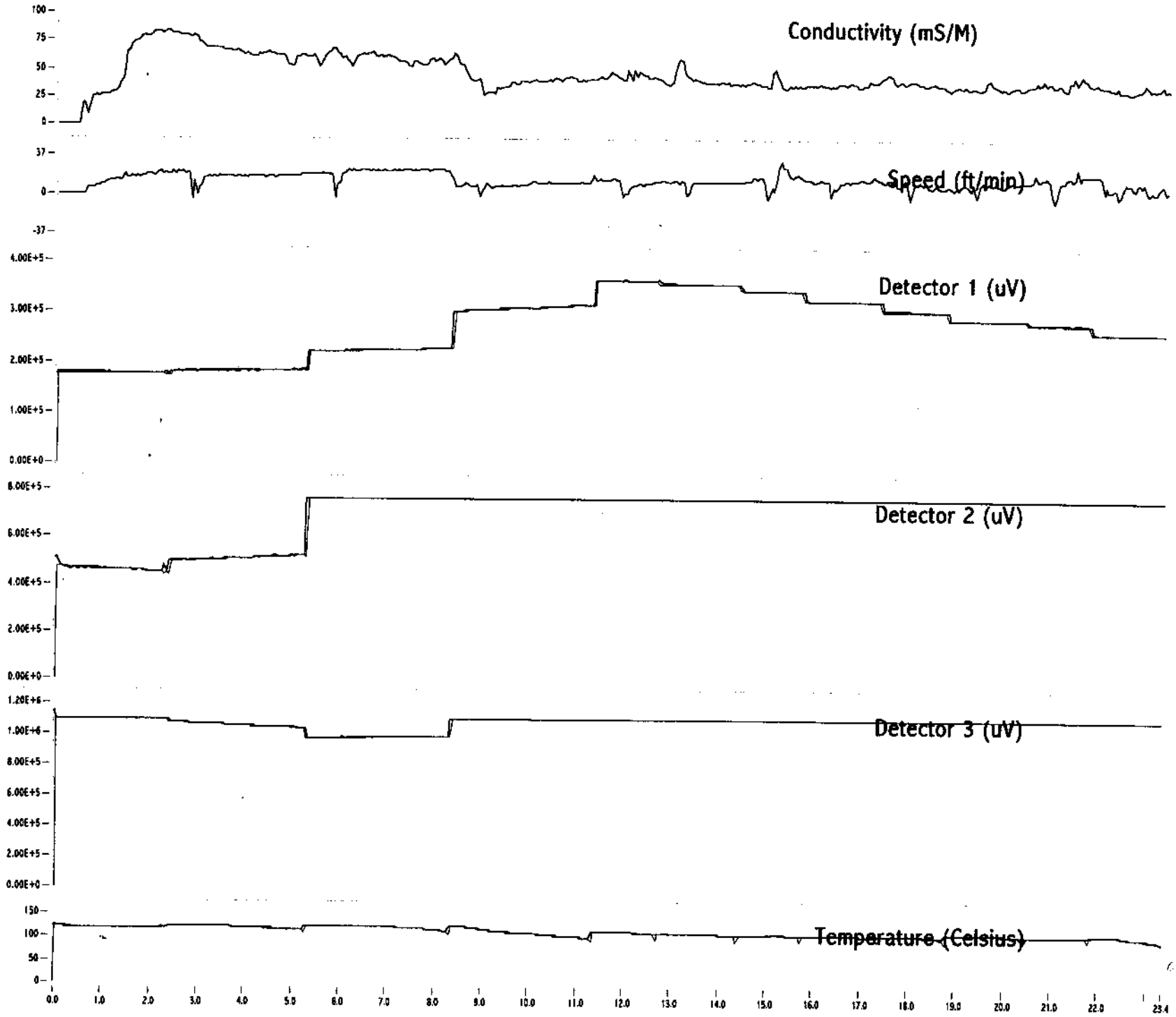
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 8 =	24 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.50)
USER-CALCULATED DEPTH:	=	24.71
STRINGPOT-MEASURED DEPTH:		24.14
DIFFERENCE:		2.4 %

END TIME: 11:05 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-19.dat



P2-19.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/4/04
START TIME: 11:27 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-19.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

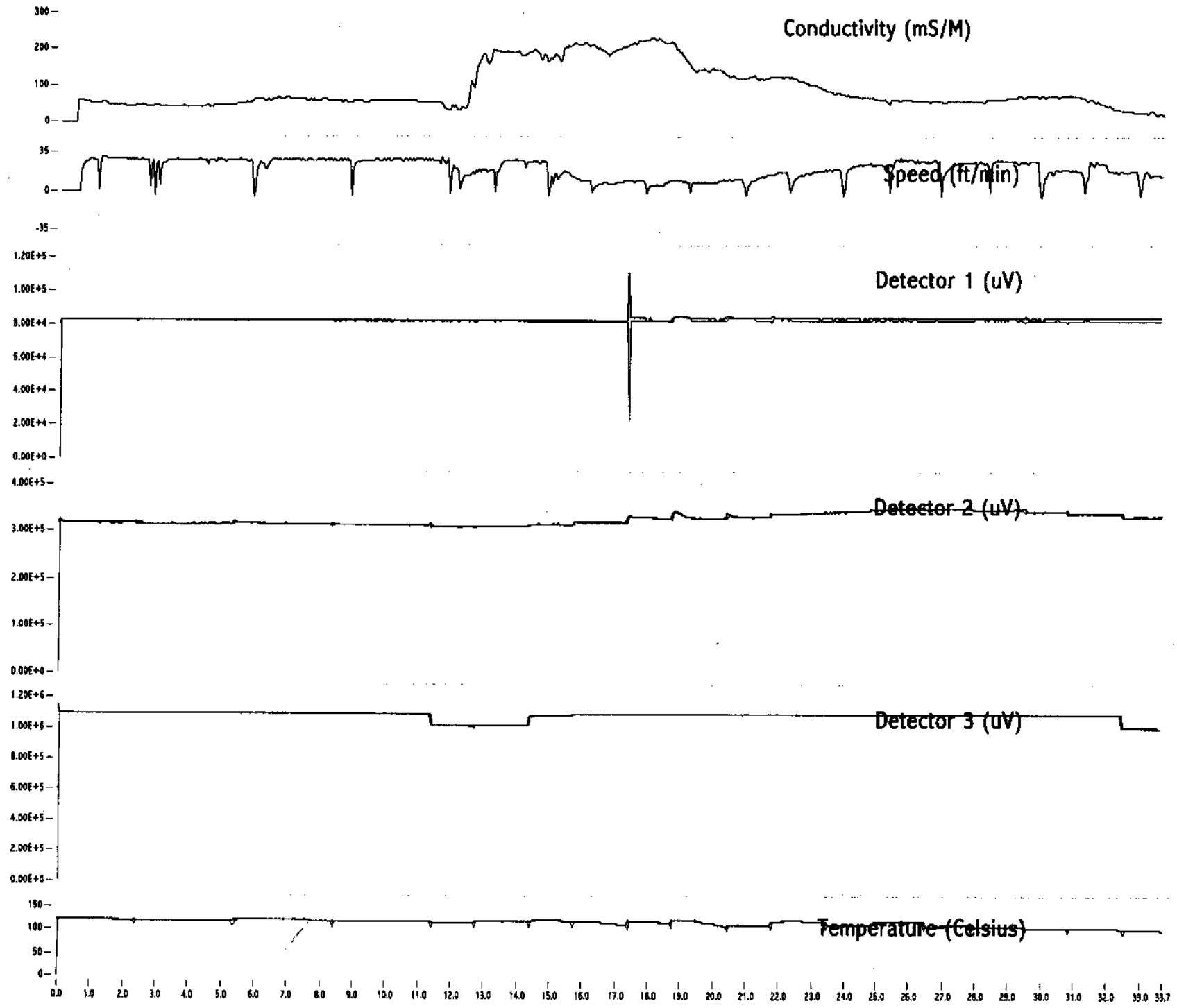
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 7 =	21 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.25)
USER-CALCULATED DEPTH:	=	23.96
STRINGPOT-MEASURED DEPTH:		23.39
DIFFERENCE:		2.4 %

END TIME: 11:44 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-20.dat



P2-20.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/9/04
START TIME: 10:30 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-20.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

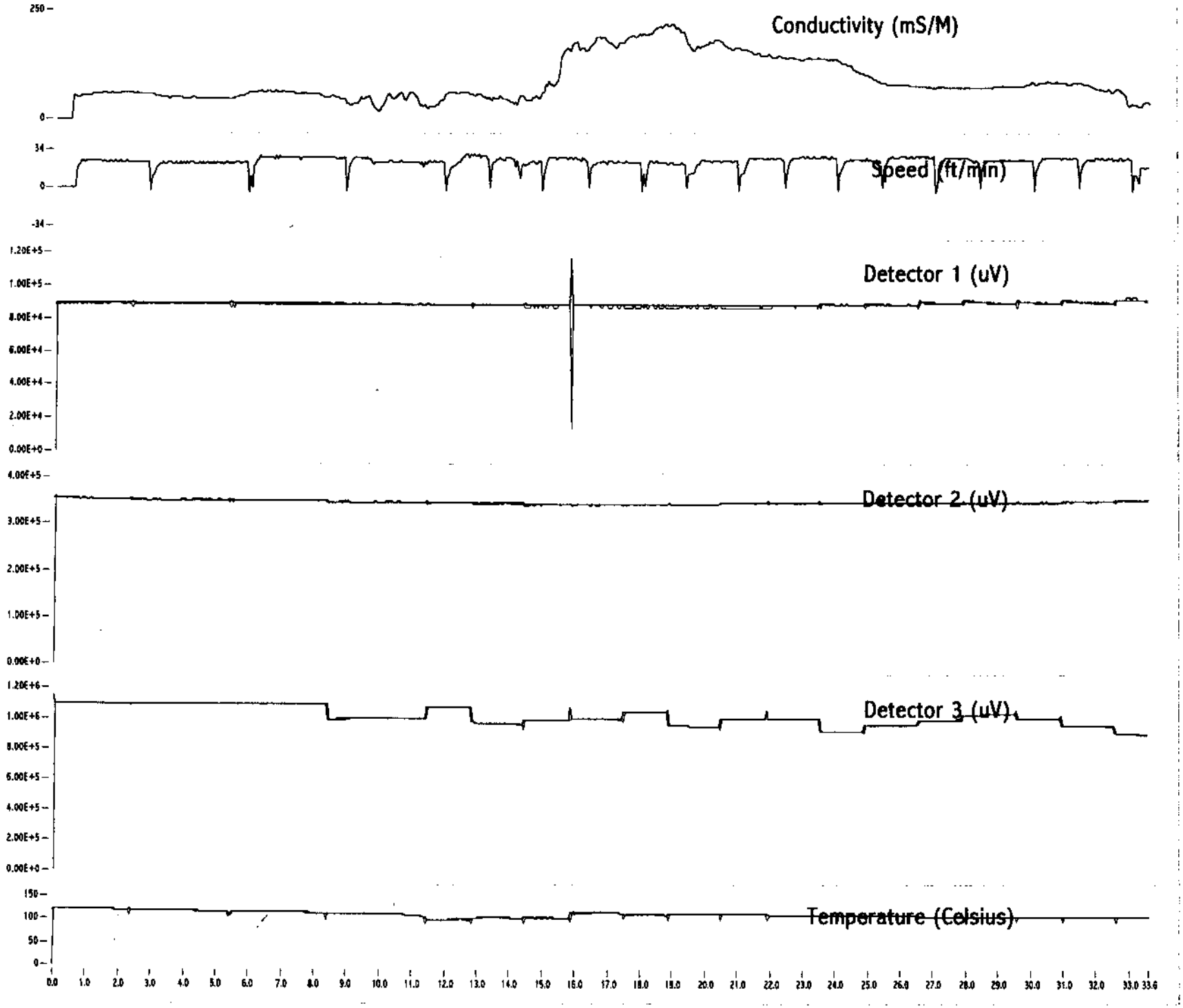
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.58)
USER-CALCULATED DEPTH:	=	34.63
STRINGPOT-MEASURED DEPTH:		33.73
DIFFERENCE:		2.6 %

END TIME: 10:55 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-21.dat



P2-21.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/9/04
START TIME: 9:37 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-21.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

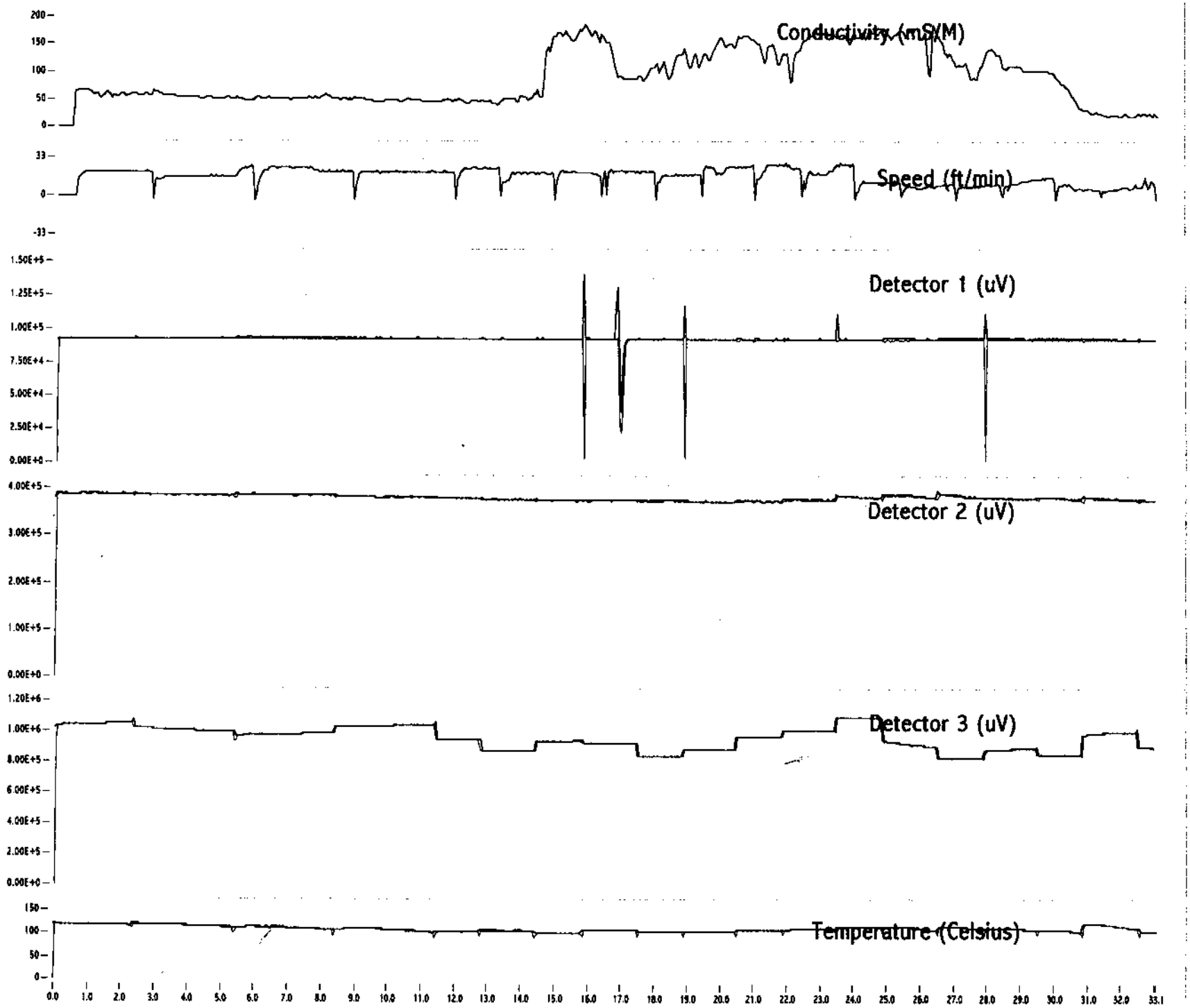
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 = 33	ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.08)
USER-CALCULATED DEPTH:	=	34.13
STRINGPOT-MEASURED DEPTH:		33.64
DIFFERENCE:		1.4 %

END TIME: 9:59 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-22.dat



P2-22.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/9/04
START TIME: 8:36 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-22.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

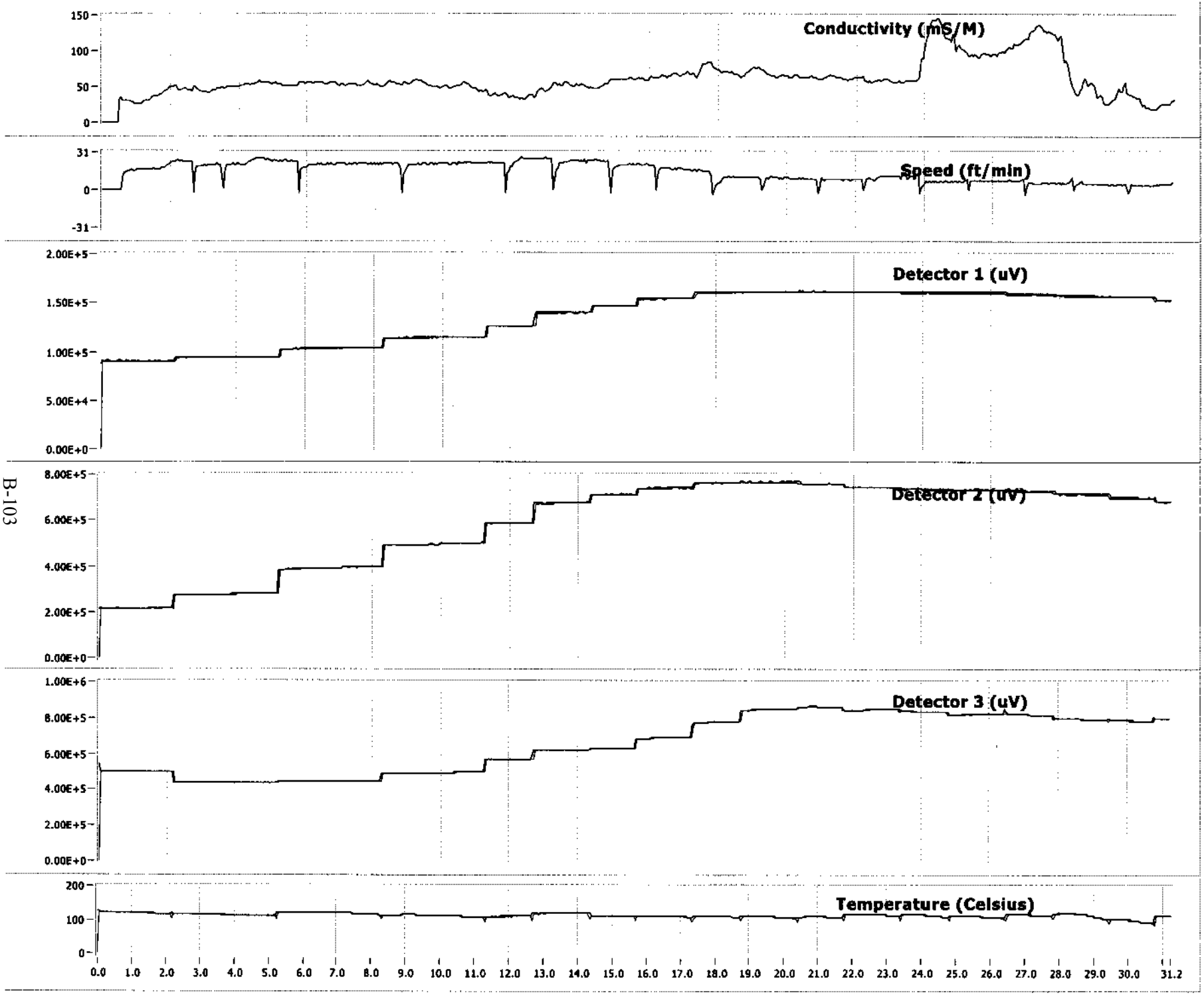
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 =	33 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.25)
USER-CALCULATED DEPTH:	=	33.96
STRINGPOT-MEASURED DEPTH:		33.10
DIFFERENCE:		2.6 %

END TIME: 9:01 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\Documents and Settings\kinsallb\ P2-23



P2-23.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/7/04
START TIME: 1:41 PM
DATA FILE NAME: c:\dirim95\logfiles\p2-23.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

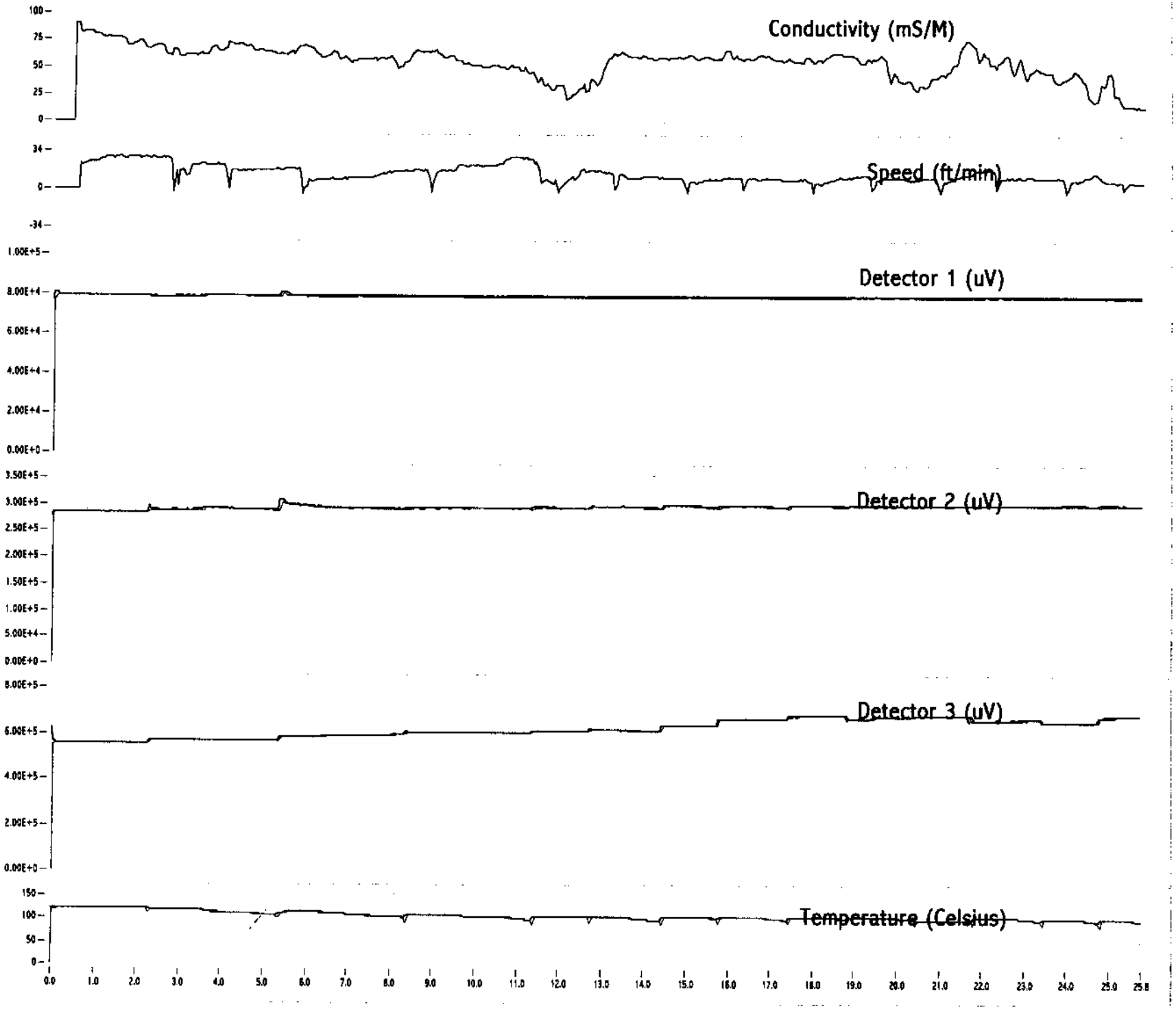
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 =	30 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.00)
USER-CALCULATED DEPTH:	=	32.21
STRINGPOT-MEASURED DEPTH:		31.26
DIFFERENCE:		3.0 %

END TIME: 2:04 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-24.dat



P2-24.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/9/04
START TIME: 11:35 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-24.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

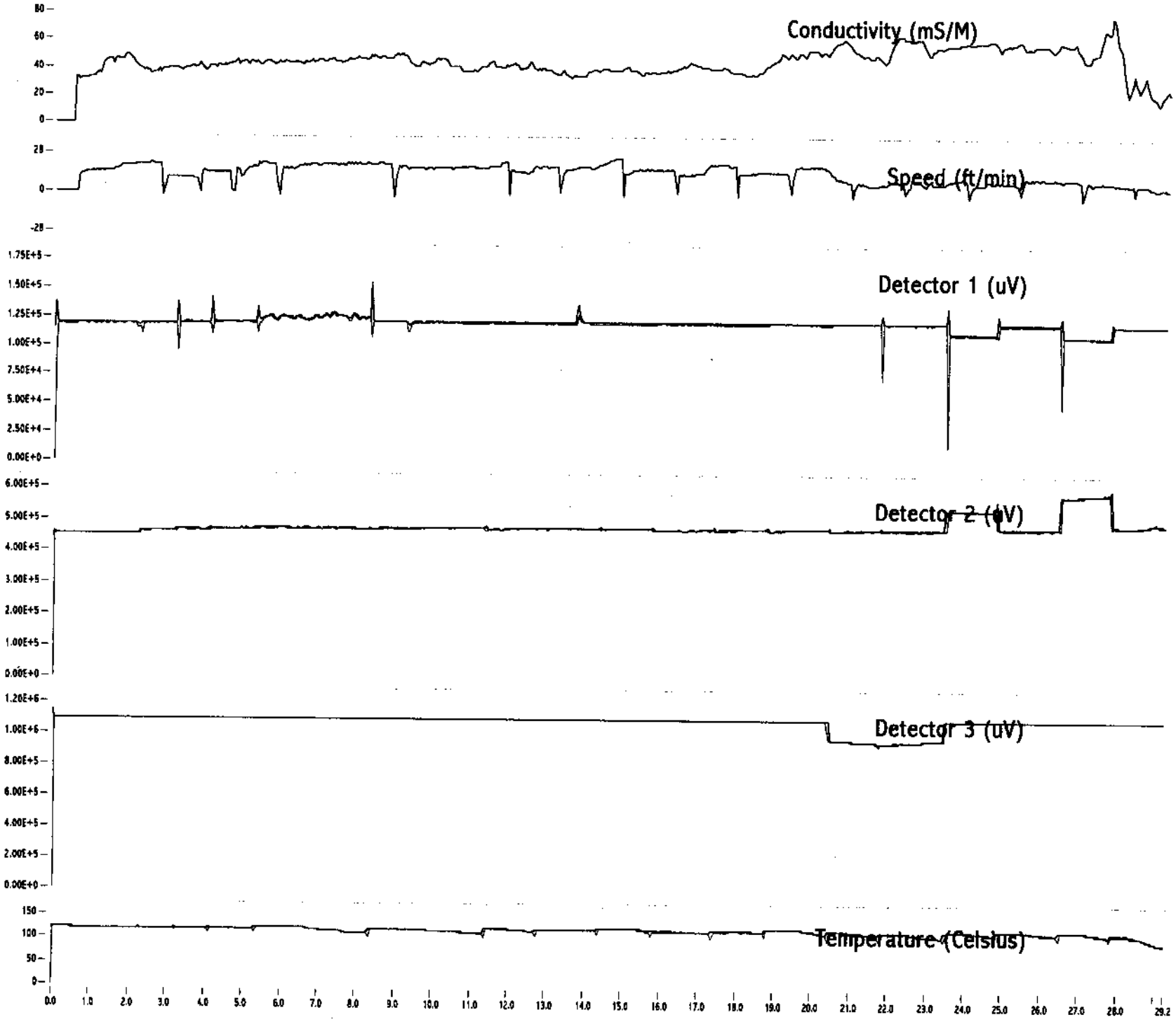
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 8 =	24 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.17)
USER-CALCULATED DEPTH:	=	26.04
STRINGPOT-MEASURED DEPTH:		25.77
DIFFERENCE:		1.0 %

END TIME: 11:53 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-25.dat



P2-25.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/25/04
START TIME: 8:03 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-25.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

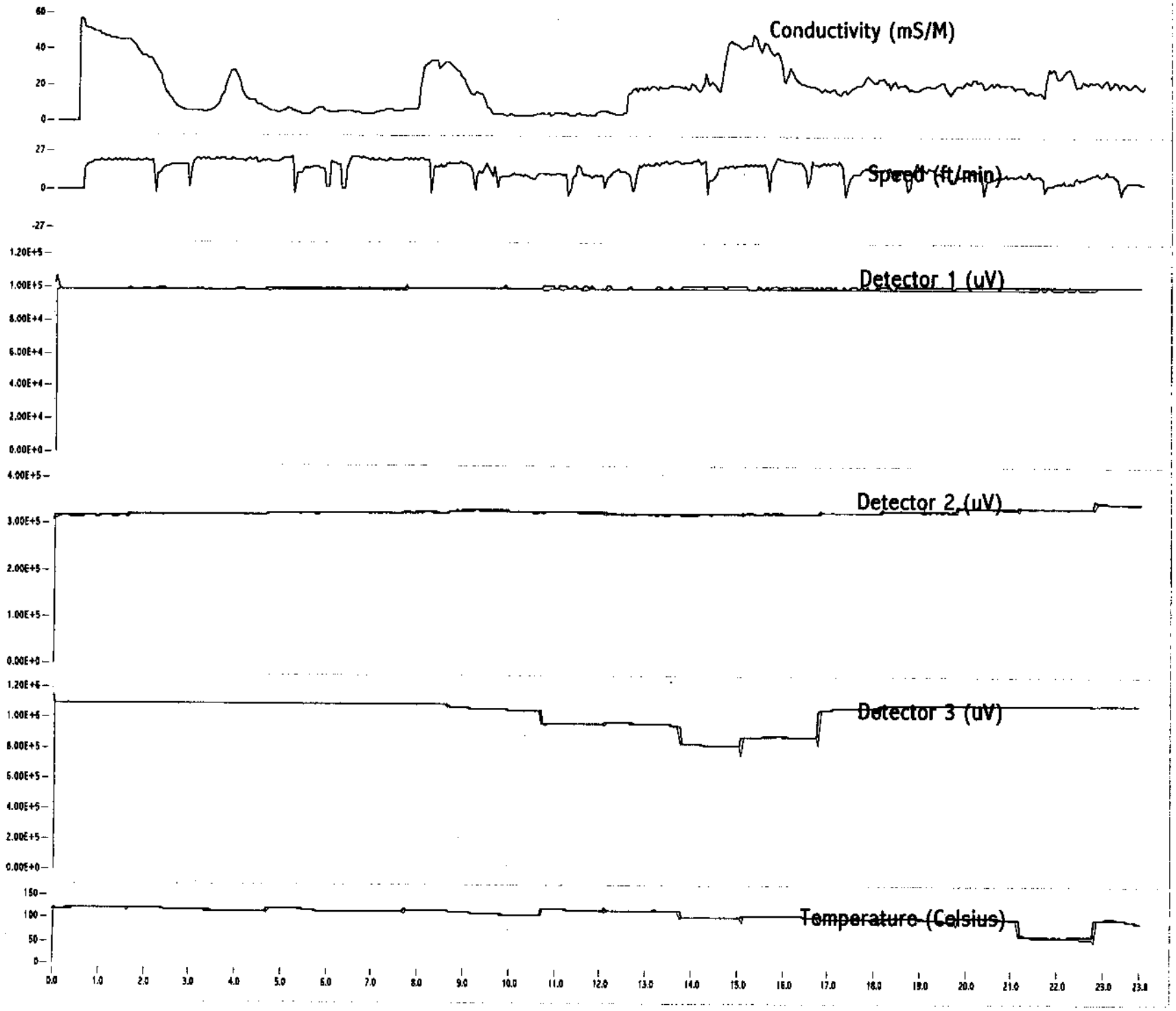
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 9 =	27 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.25)
USER-CALCULATED DEPTH:	=	29.96
STRINGPOT-MEASURED DEPTH:		29.27
DIFFERENCE:		2.3 %

END TIME: 8:26 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-27.dat



P2-27.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/7/04
START TIME: 8:39 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-27.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

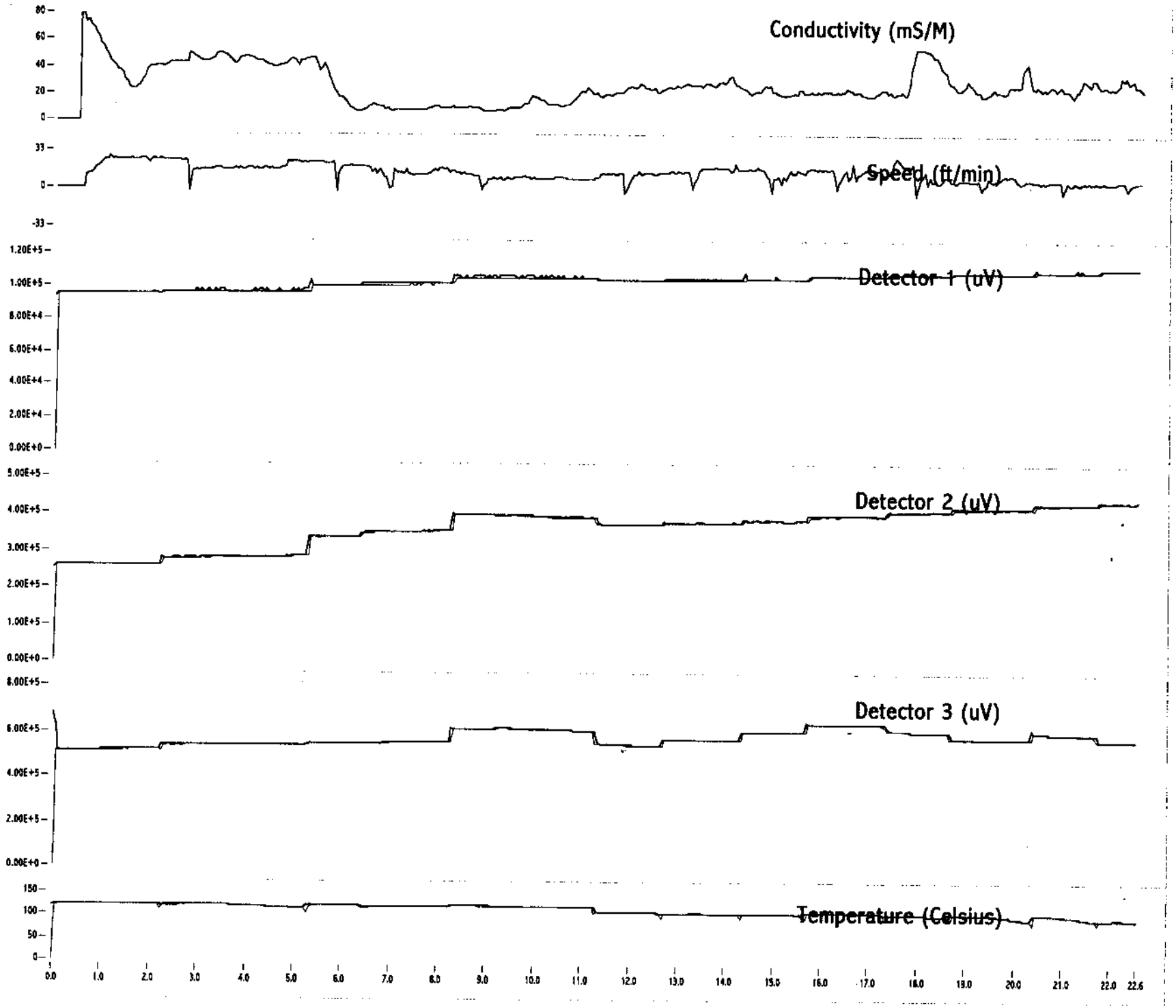
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 8 =	24 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.83)
USER-CALCULATED DEPTH:	=	25.38
STRINGPOT-MEASURED DEPTH:		23.83
DIFFERENCE:		6.3 %

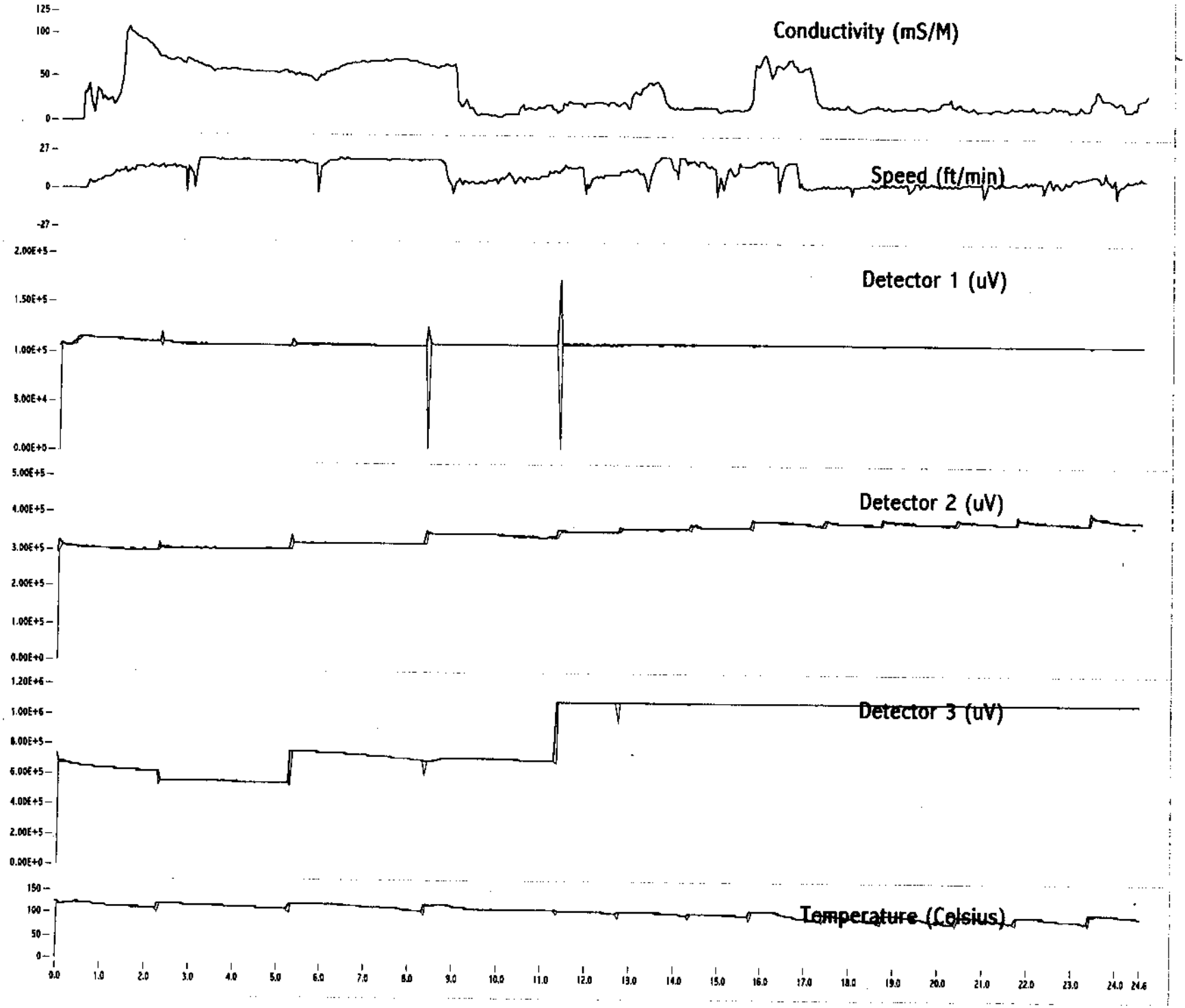
END TIME: 8:57 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-37a.dat



Log: C:\dirim95\LOGFILES\P2-15-1.dat



P2-51

P2-15-1.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/10/04
START TIME: 8:01 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-15-1.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

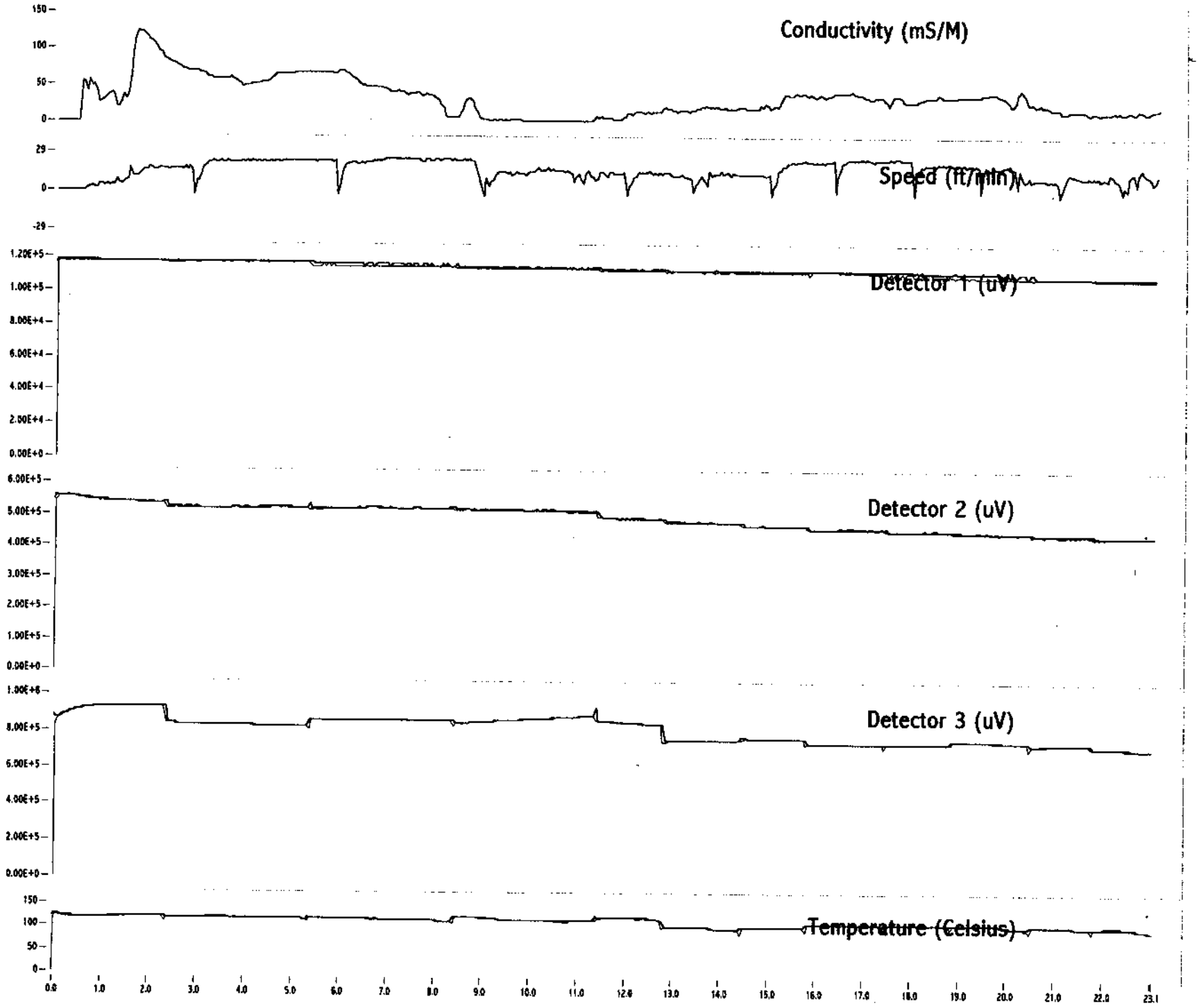
DEPTH CALCULATION:

ROD LENGTH:		3.00 feet
NUMBER OF RODS USED:	x 8 =	24 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.67)
USER-CALCULATED DEPTH:	=	25.54
STRINGPOT-MEASURED DEPTH:		24.56
DIFFERENCE:		3.9 %

END TIME: 8:19 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-1~~6~~57.dat



P2-52

P2-16-1.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/10/04
START TIME: 8:48 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-16-1.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

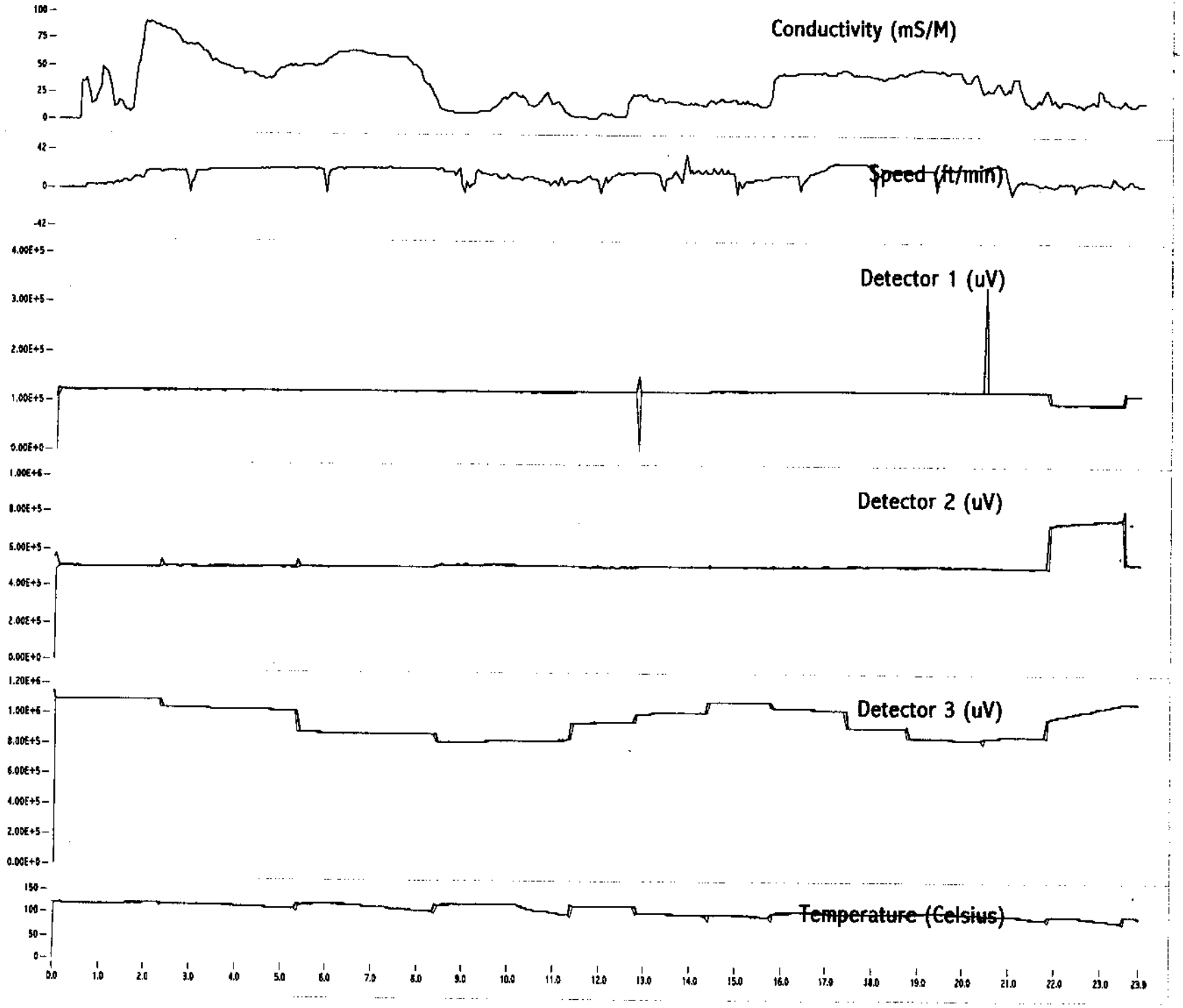
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 7 =	21 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.50)
USER-CALCULATED DEPTH:	=	23.71
STRINGPOT-MEASURED DEPTH:		23.05
DIFFERENCE:		2.8 %

END TIME: 9:03 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-1~~7~~32-1.dat



P2-53

P2-17-1.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/10/04
START TIME: 9:26 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-17-1.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

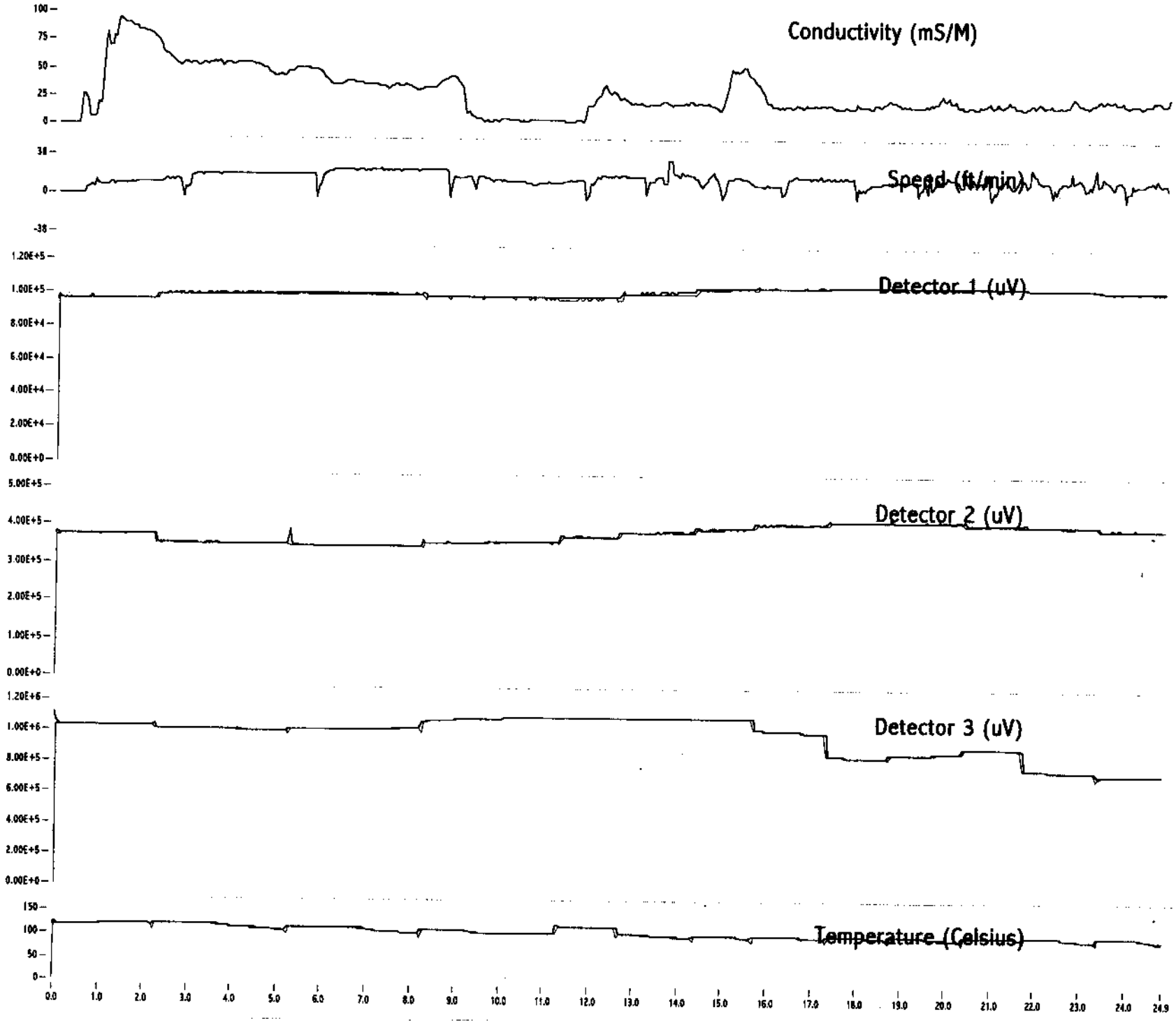
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 8 =	24 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.92)
USER-CALCULATED DEPTH:	=	24.29
STRINGPOT-MEASURED DEPTH:		23.90
DIFFERENCE:		1.6 %

END TIME: 9:43 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-~~18~~ 27-1.dat



P2-54

P2-18-1.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/10/04
START TIME: 10:07 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-18-1.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

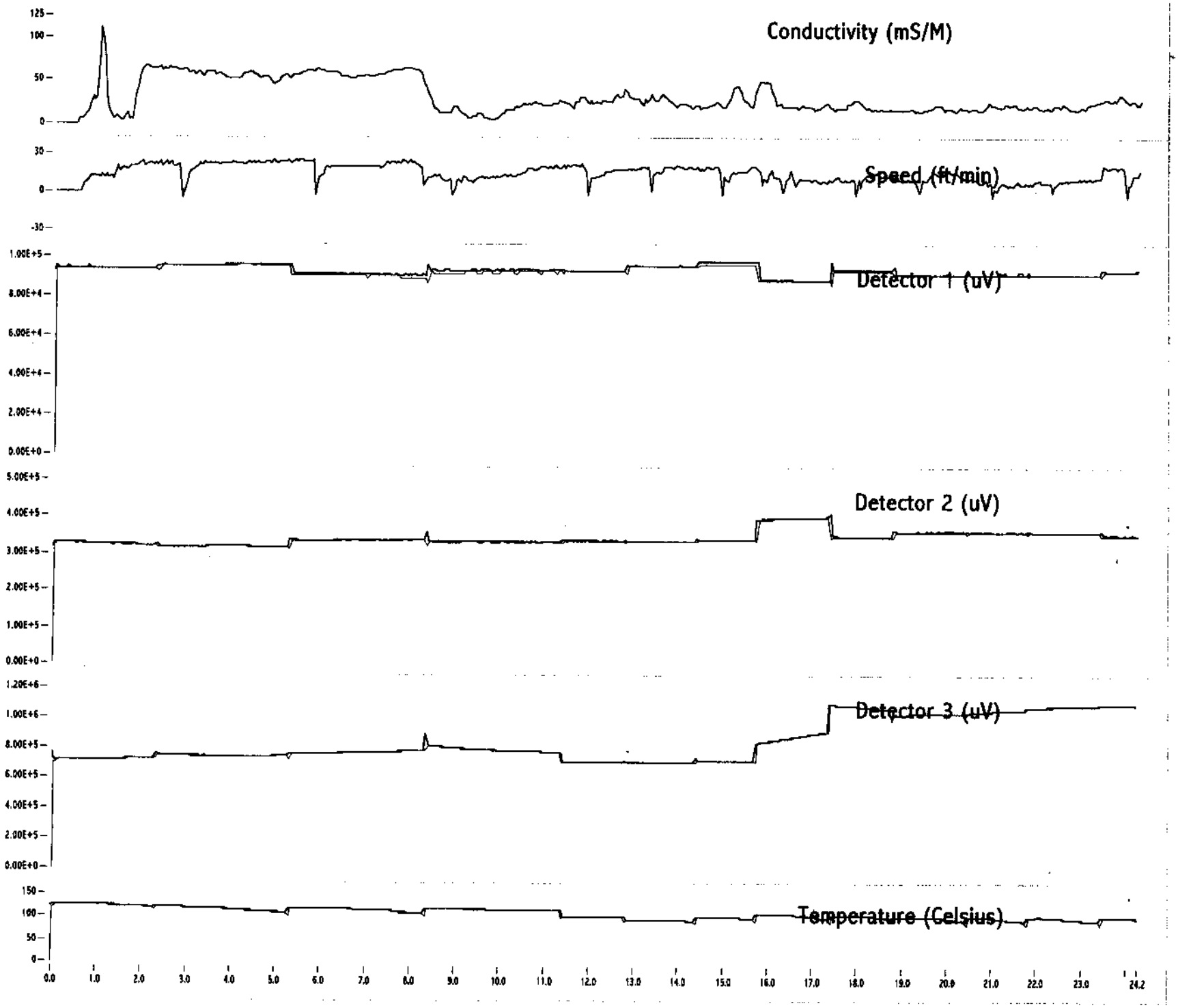
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 8 =	24 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.50)
USER-CALCULATED DEPTH:	=	25.71
STRINGPOT-MEASURED DEPTH:		24.87
DIFFERENCE:		3.3 %

END TIME: 10:24 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-~~19-1~~ 22.dat



P2-55

P2-19-1.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/10/04
START TIME: 10:48 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-19-1.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

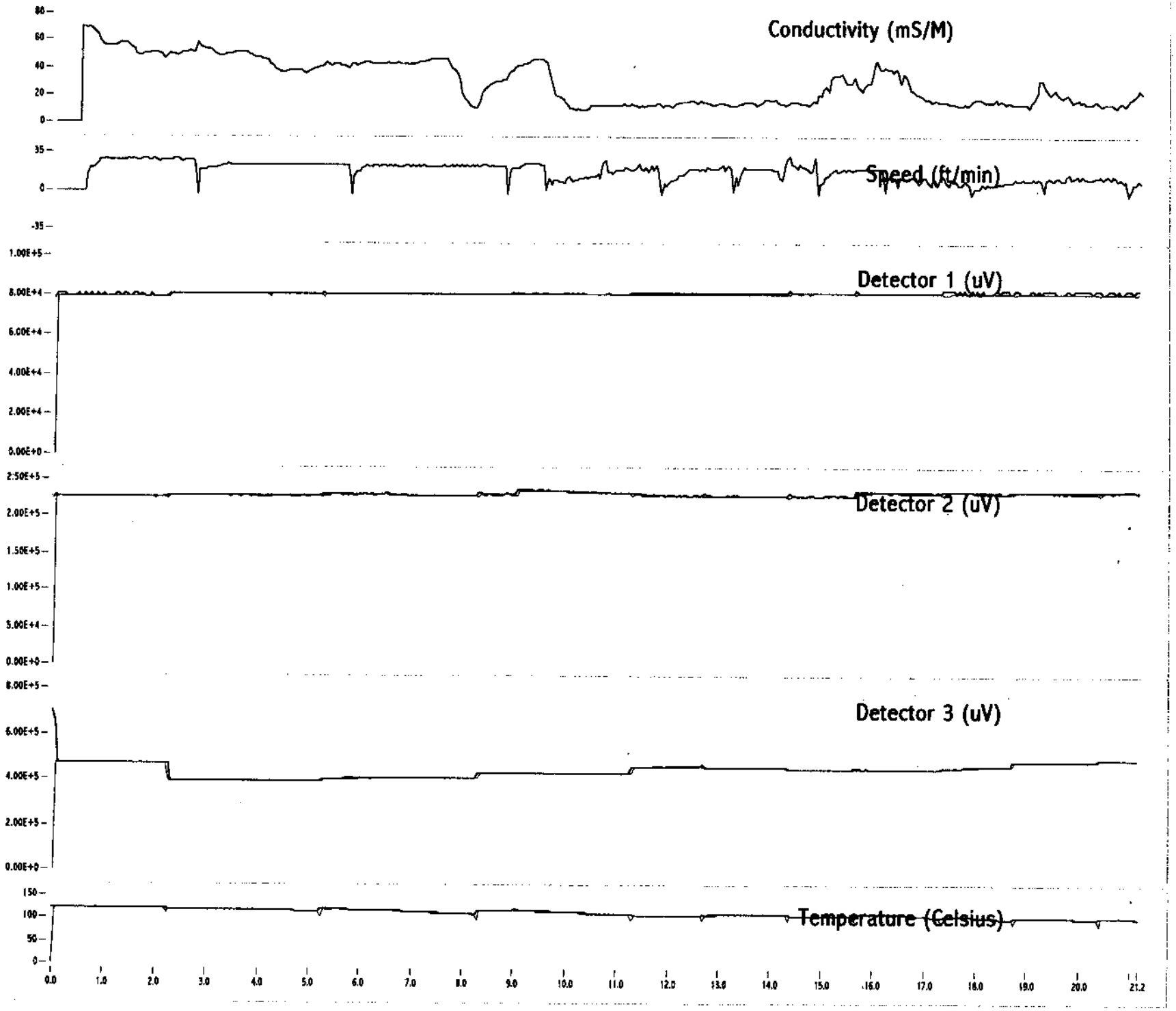
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 8 =	24 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.00)
USER-CALCULATED DEPTH:	=	25.21
STRINGPOT-MEASURED DEPTH:		24.28
DIFFERENCE:		3.7 %

END TIME: 11:04 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-56.dat



P2-56.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/14/04
START TIME: 9:03 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-56.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

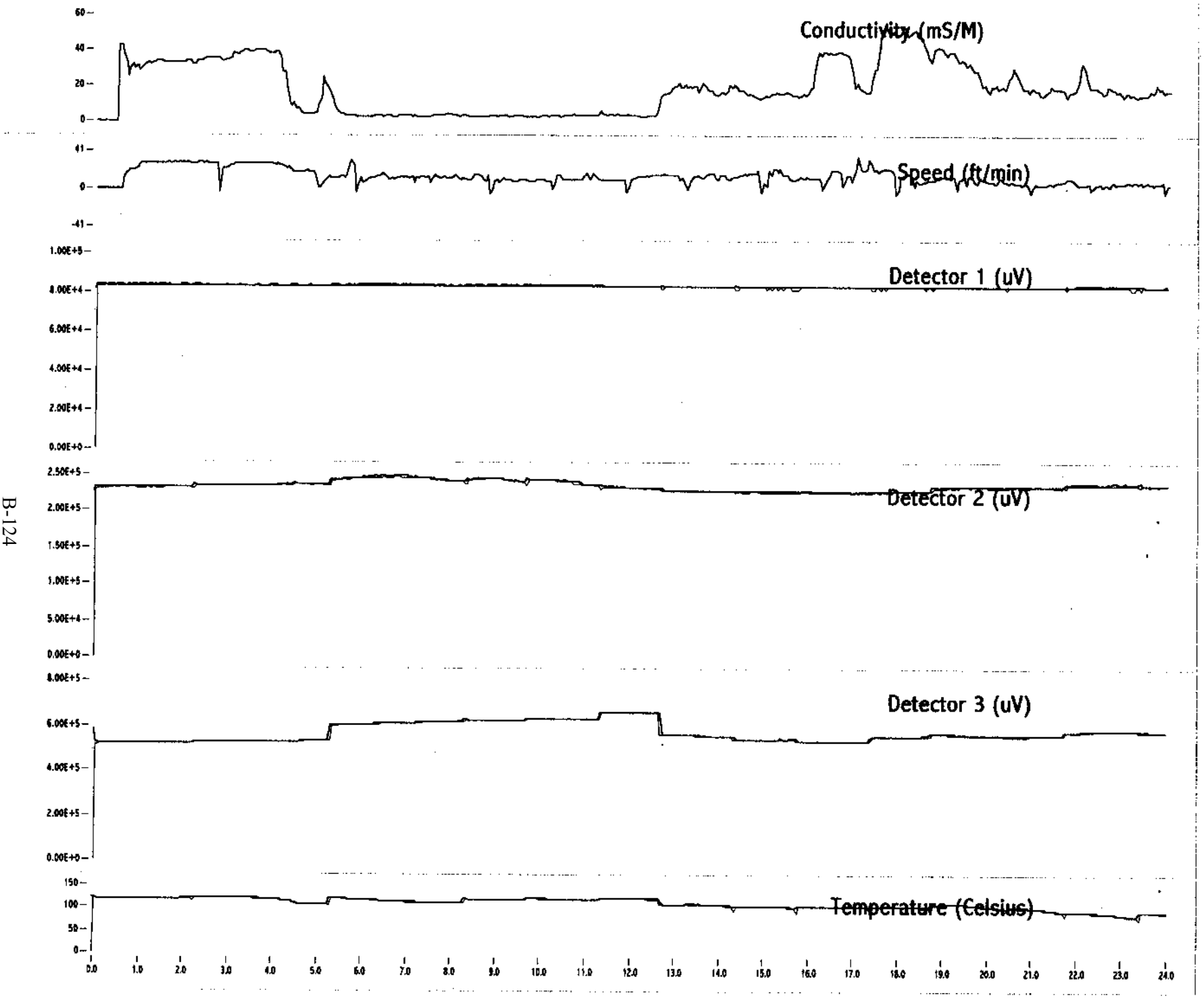
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet		
NUMBER OF RODS USED:	x 7 =	21	ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21	
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.00)	
USER-CALCULATED DEPTH:	=	22.21	
STRINGPOT-MEASURED DEPTH:		21.18	
DIFFERENCE:		4.8	%

END TIME: 9:17 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-57.dat



P2-57.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/14/04
START TIME: 9:48 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-57.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

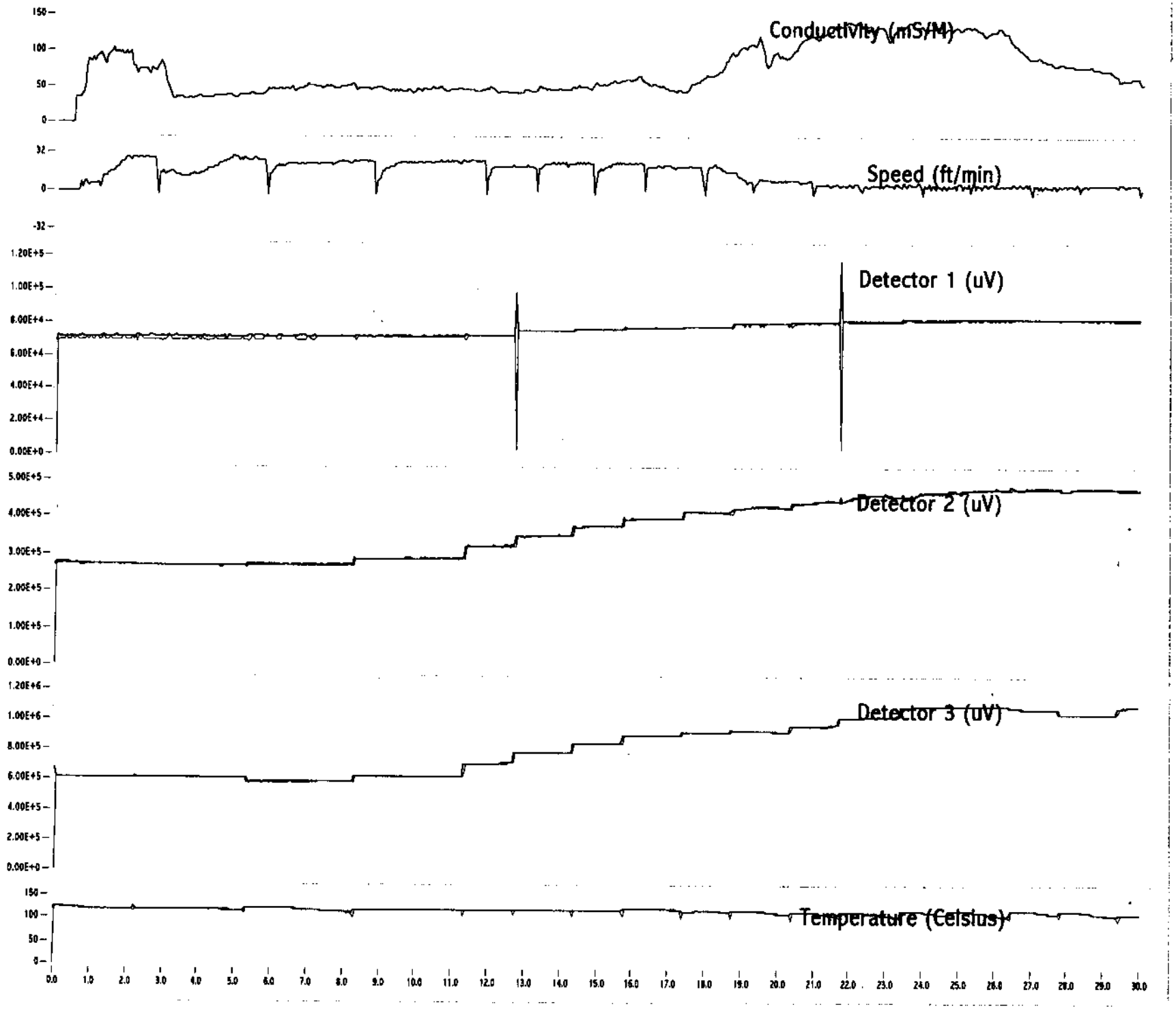
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 8 =	24 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.00)
USER-CALCULATED DEPTH:	=	25.21
STRINGPOT-MEASURED DEPTH:		24.03
DIFFERENCE:		4.8 %

END TIME: 10:05 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-58.dat



P2-58.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/14/04
START TIME: 12:43 PM
DATA FILE NAME: c:\dirim95\logfiles\p2-58.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

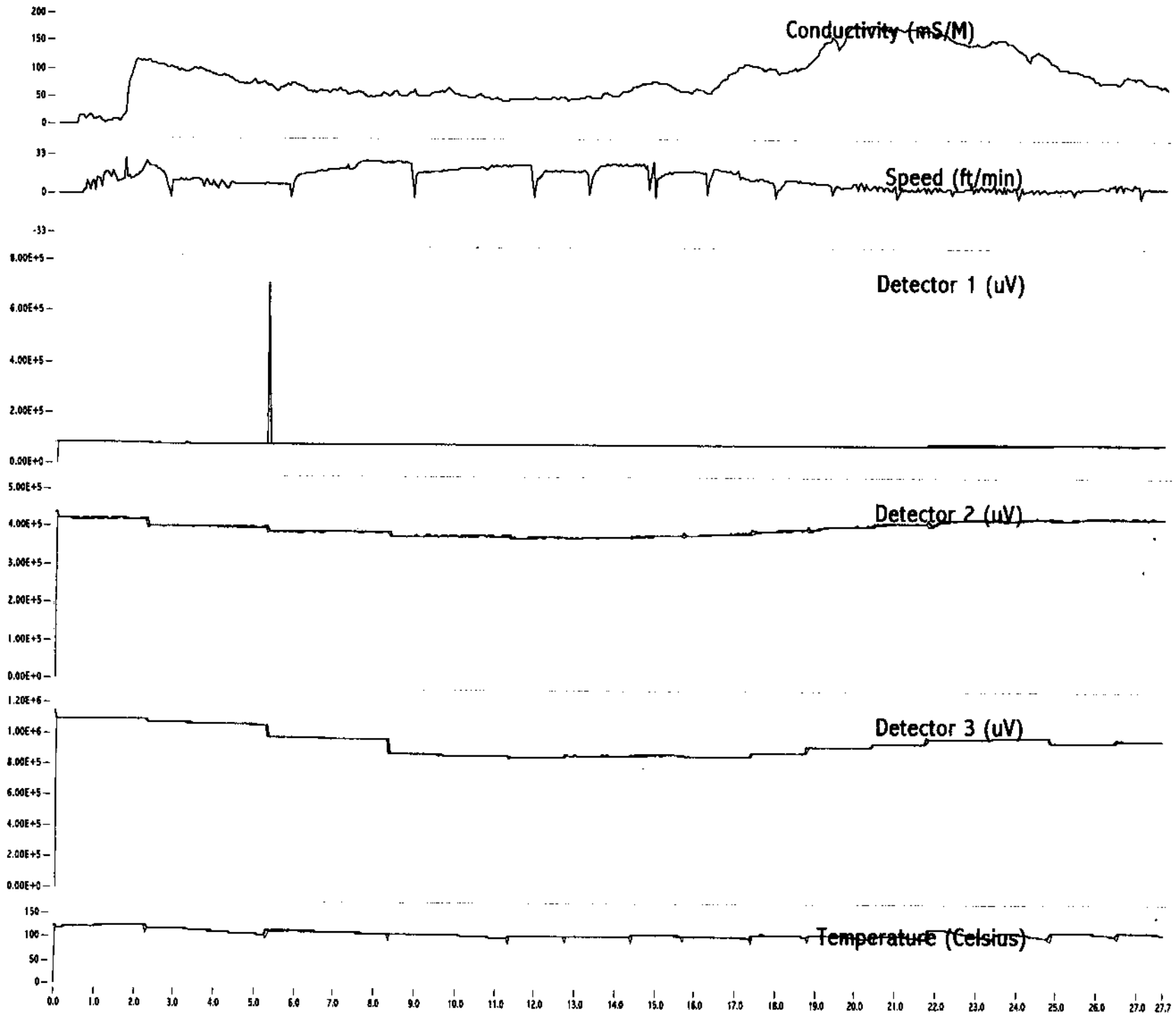
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 = 30 ft.	
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.92)
USER-CALCULATED DEPTH:	=	31.29
STRINGPOT-MEASURED DEPTH:		30.04
DIFFERENCE:		4.1 %

END TIME: 1:05 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-59.dat



P2-59.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/14/04
START TIME: 1:41 PM
DATA FILE NAME: c:\dirim95\logfiles\p2-59.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

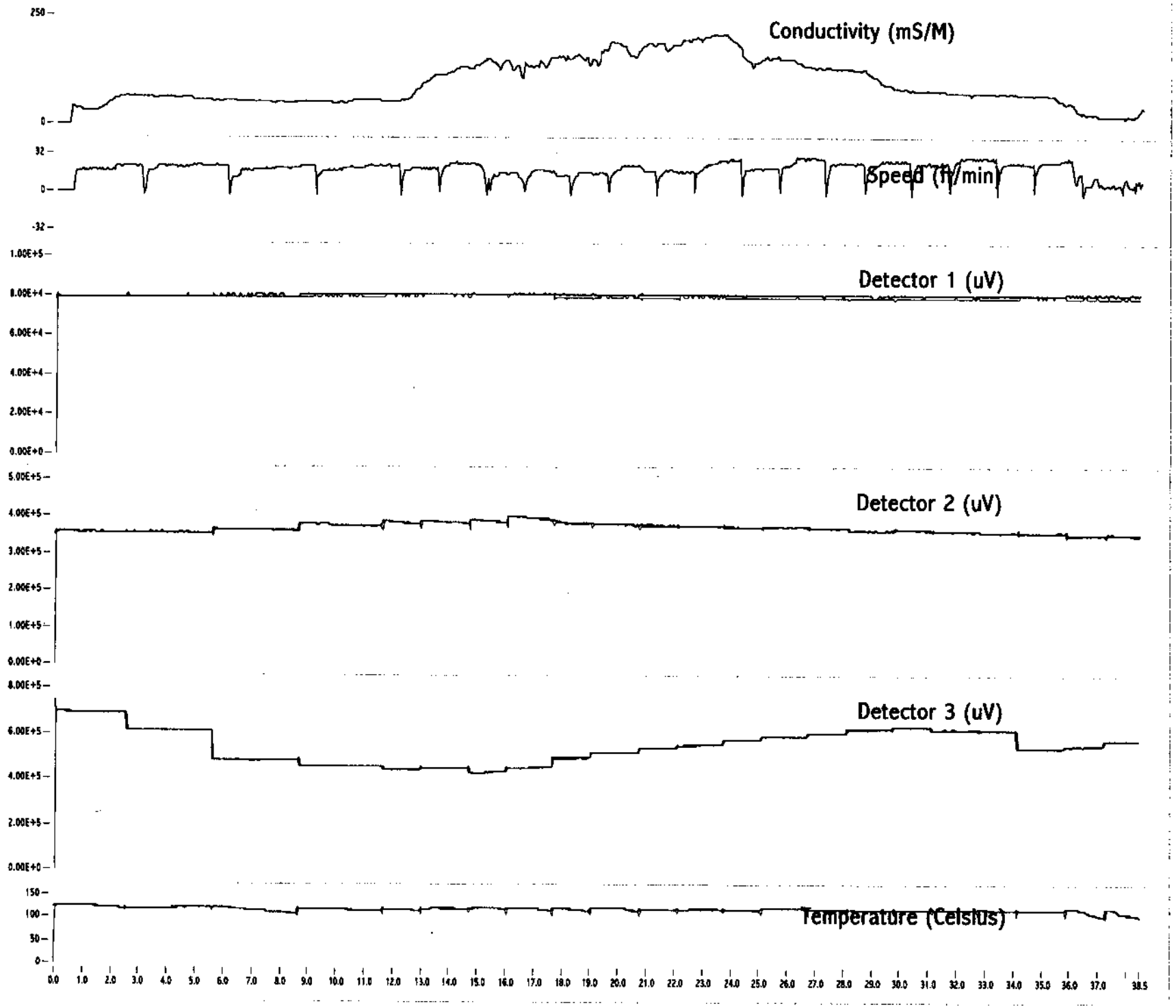
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 9 =	27 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.67)
USER-CALCULATED DEPTH:	=	28.54
STRINGPOT-MEASURED DEPTH:		27.68
DIFFERENCE:		3.1 %

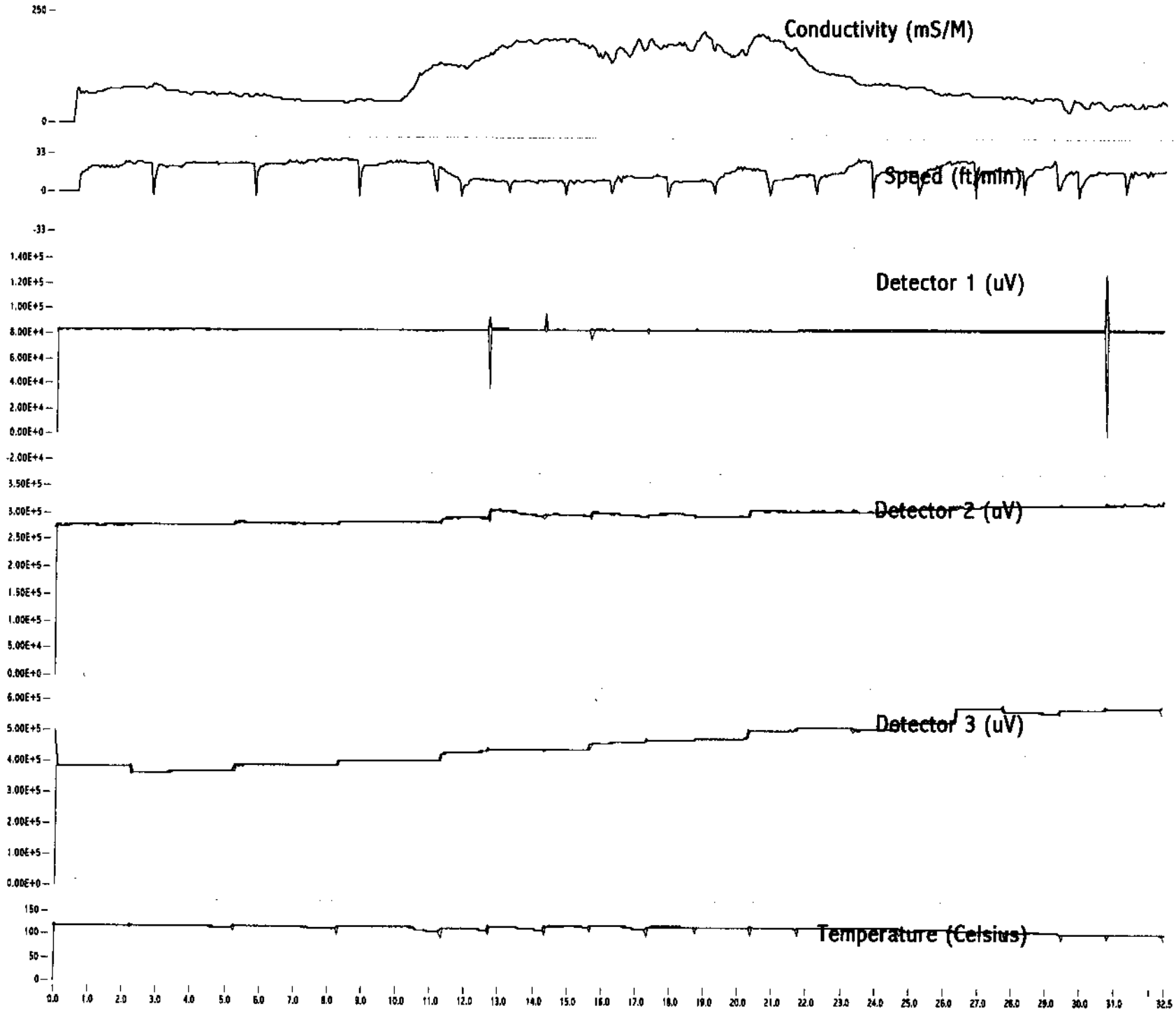
END TIME: 2:02 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-60a.dat



Log: C:\dirim95\LOGFILES\P2-61.dat



P2-61.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/21/04
START TIME: 9:49 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-61.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

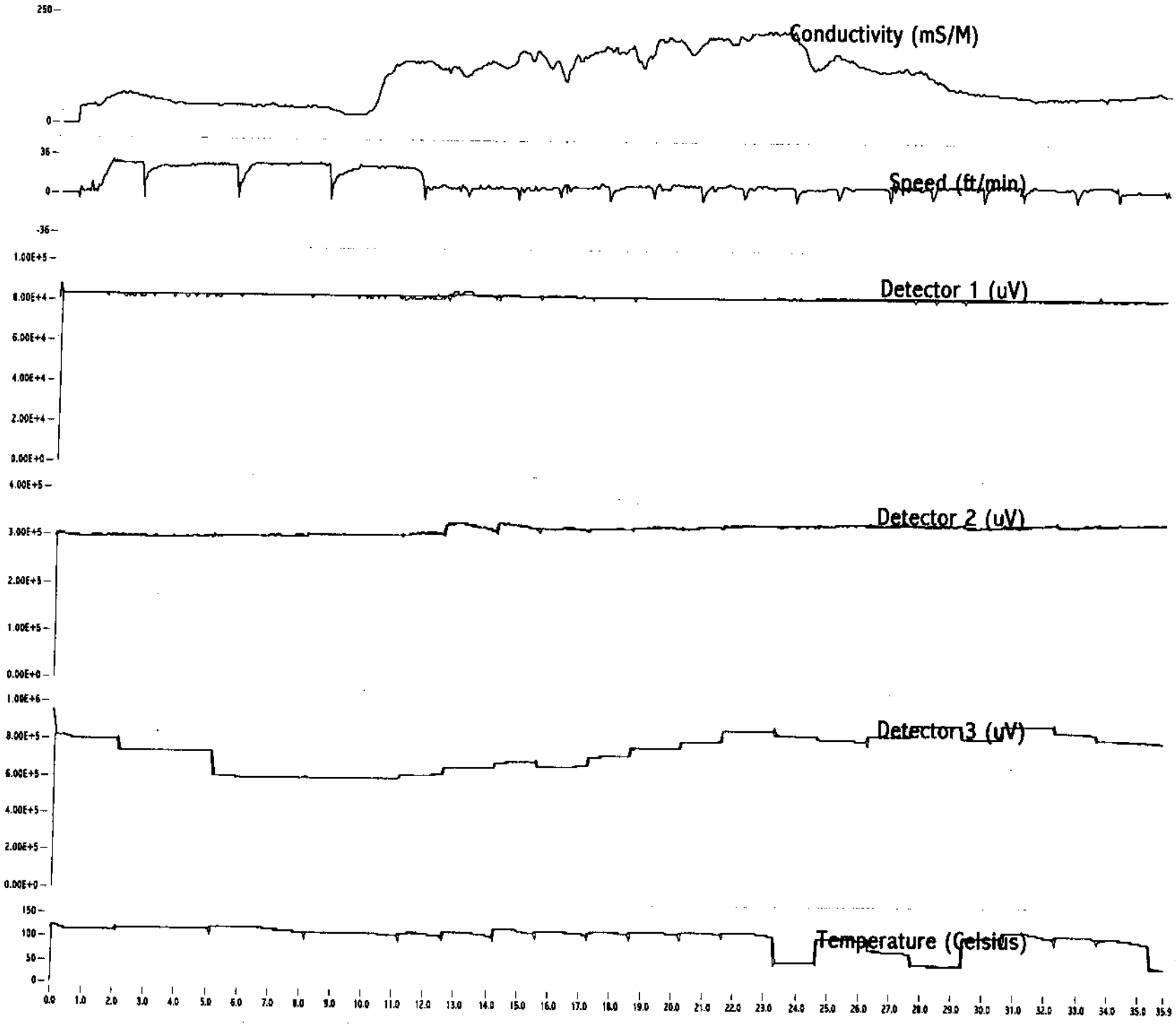
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 =	30 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.25)
USER-CALCULATED DEPTH:	=	32.96
STRINGPOT-MEASURED DEPTH:		32.48
DIFFERENCE:		1.5 %

END TIME: 10:14 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-62.dat



P2-62.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/21/04
START TIME: 10:57 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-62.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

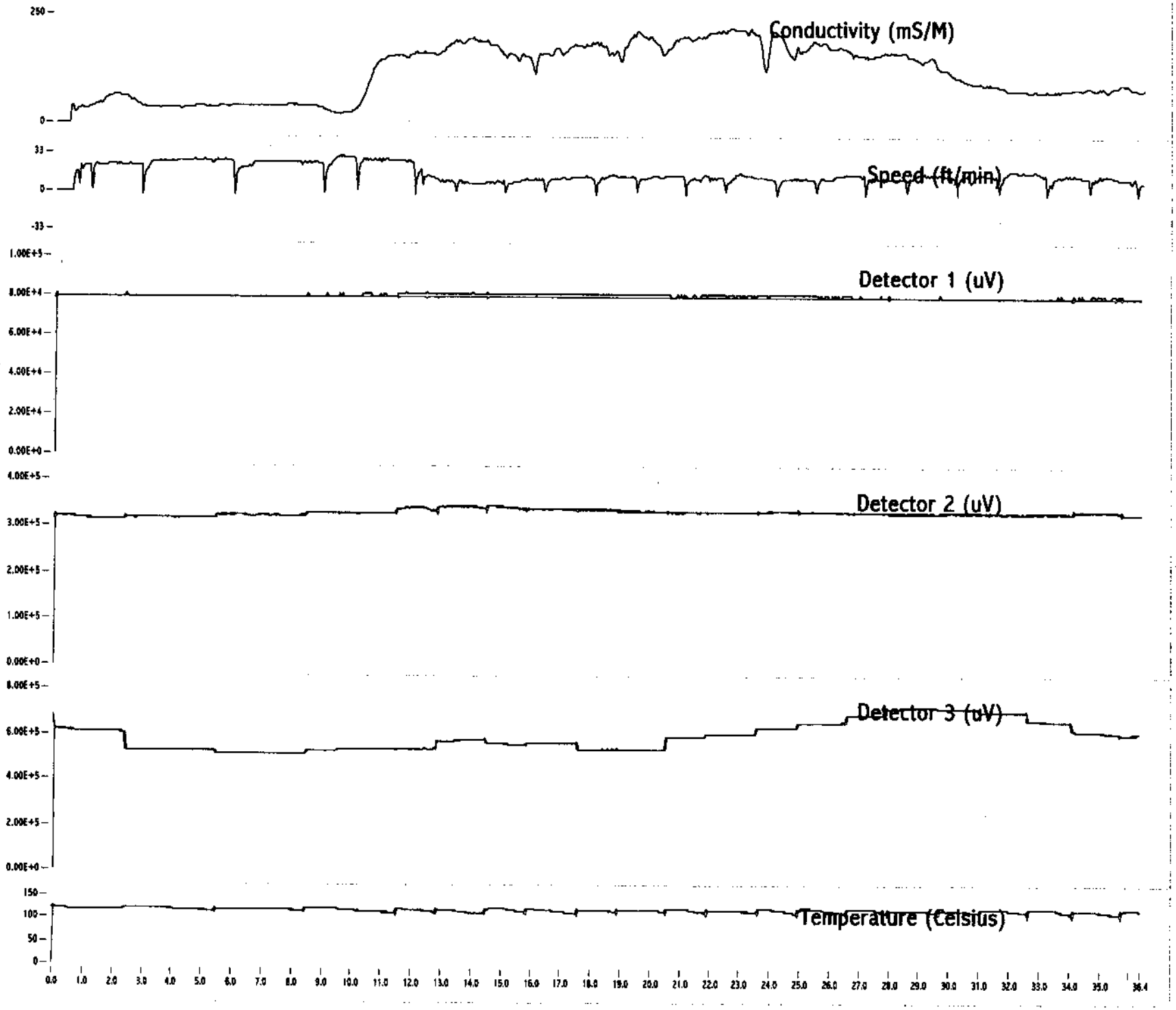
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 12 =	36 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.75)
USER-CALCULATED DEPTH:	=	36.46
STRINGPOT-MEASURED DEPTH:		35.86
DIFFERENCE:		1.7 %

END TIME: 11:26 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-63.dat



P2-63.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/22/04
START TIME: 10:02 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-63.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

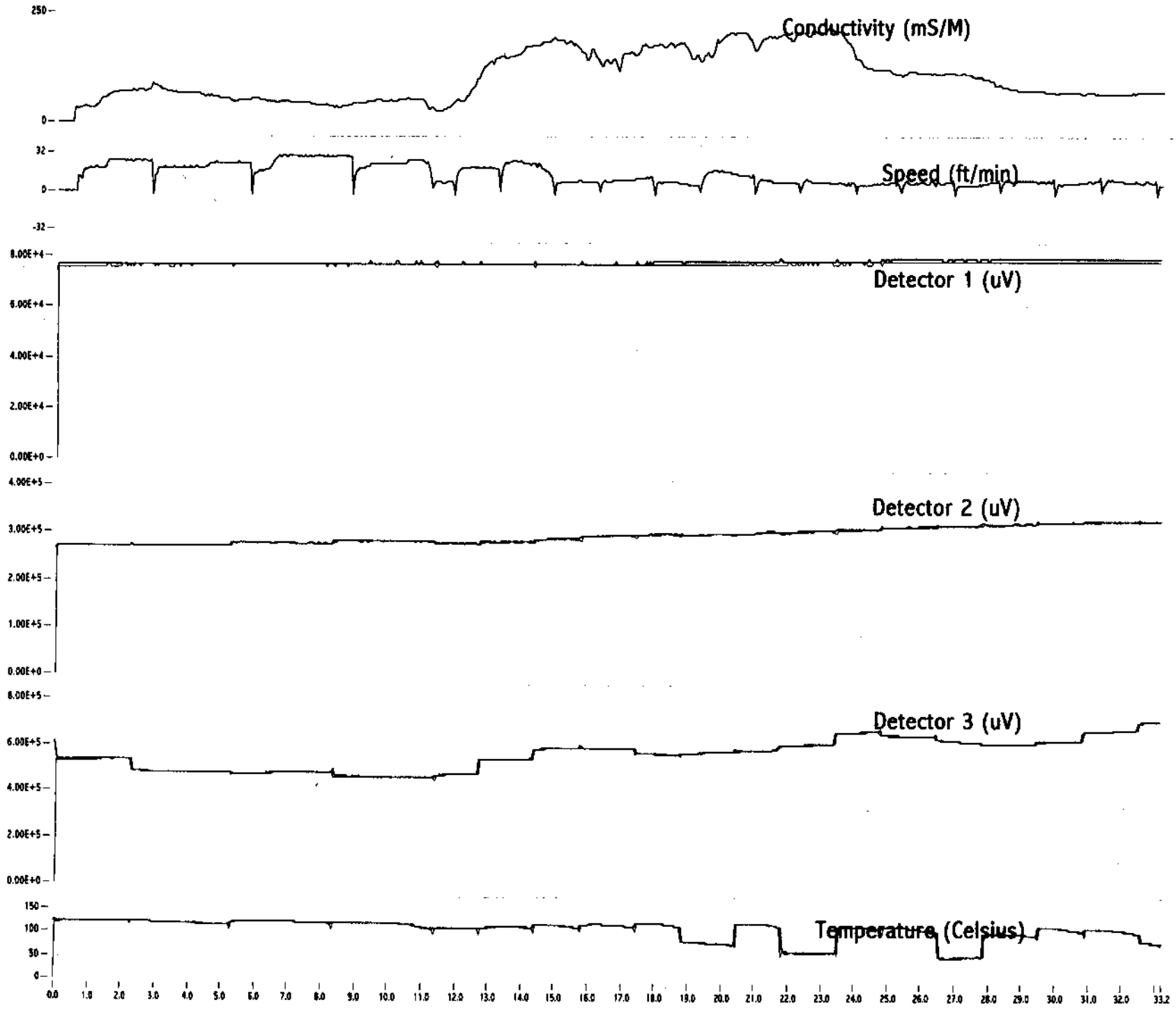
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 12 =	36 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.83)
USER-CALCULATED DEPTH:	=	37.38
STRINGPOT-MEASURED DEPTH:		36.36
DIFFERENCE:		2.8 %

END TIME: 10:29 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-65.dat



P2-65.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/21/04
START TIME: 1:28 PM
DATA FILE NAME: c:\dirim95\logfiles\p2-65.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

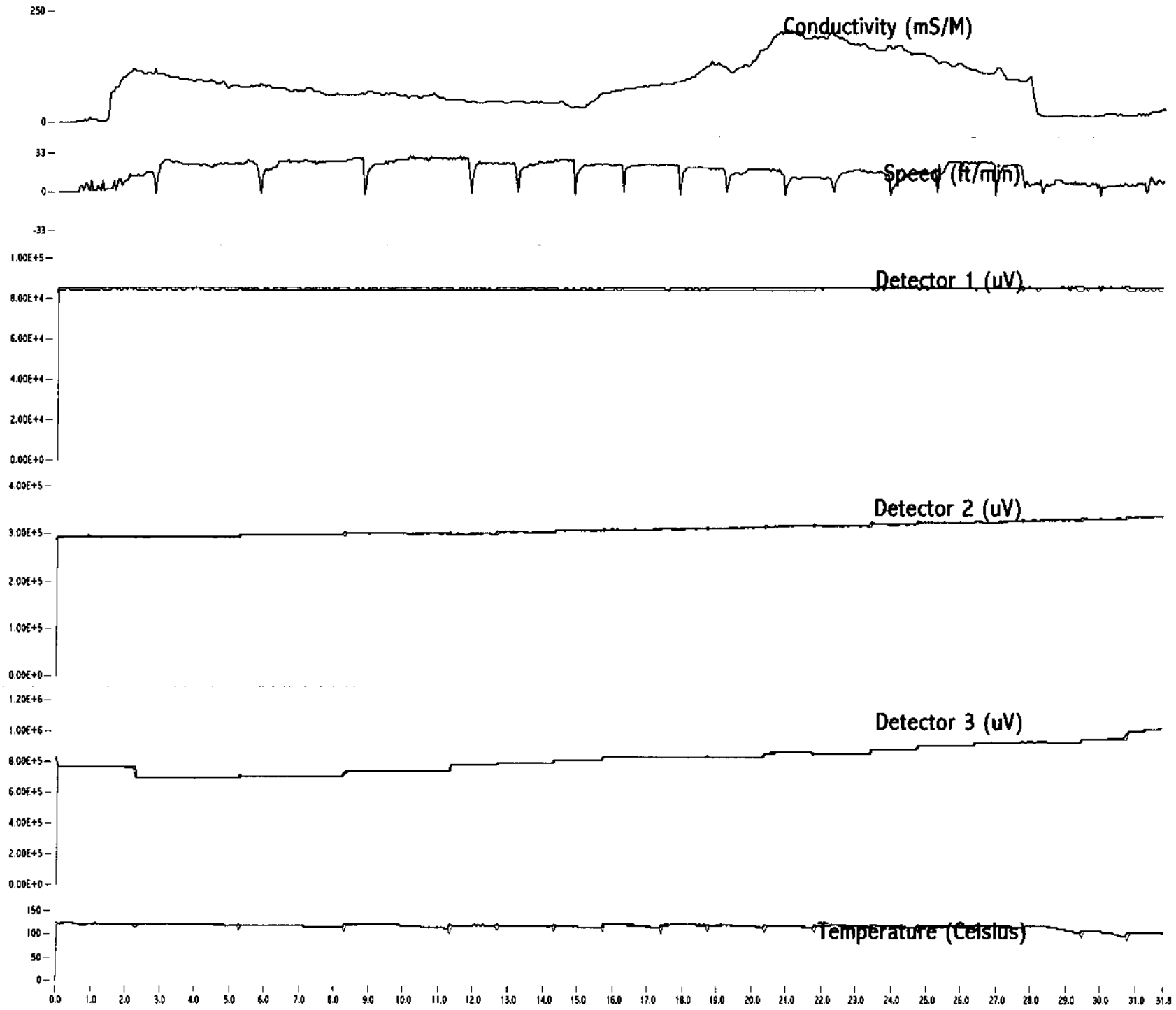
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 = 33 ft.	
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.00)
USER-CALCULATED DEPTH:	=	34.21
STRINGPOT-MEASURED DEPTH:		33.23
DIFFERENCE:		2.9 %

END TIME: 1:53 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-66.dat



P2-66.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/23/04
START TIME: 1:52 PM
DATA FILE NAME: c:\dirim95\logfiles\p2-66.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

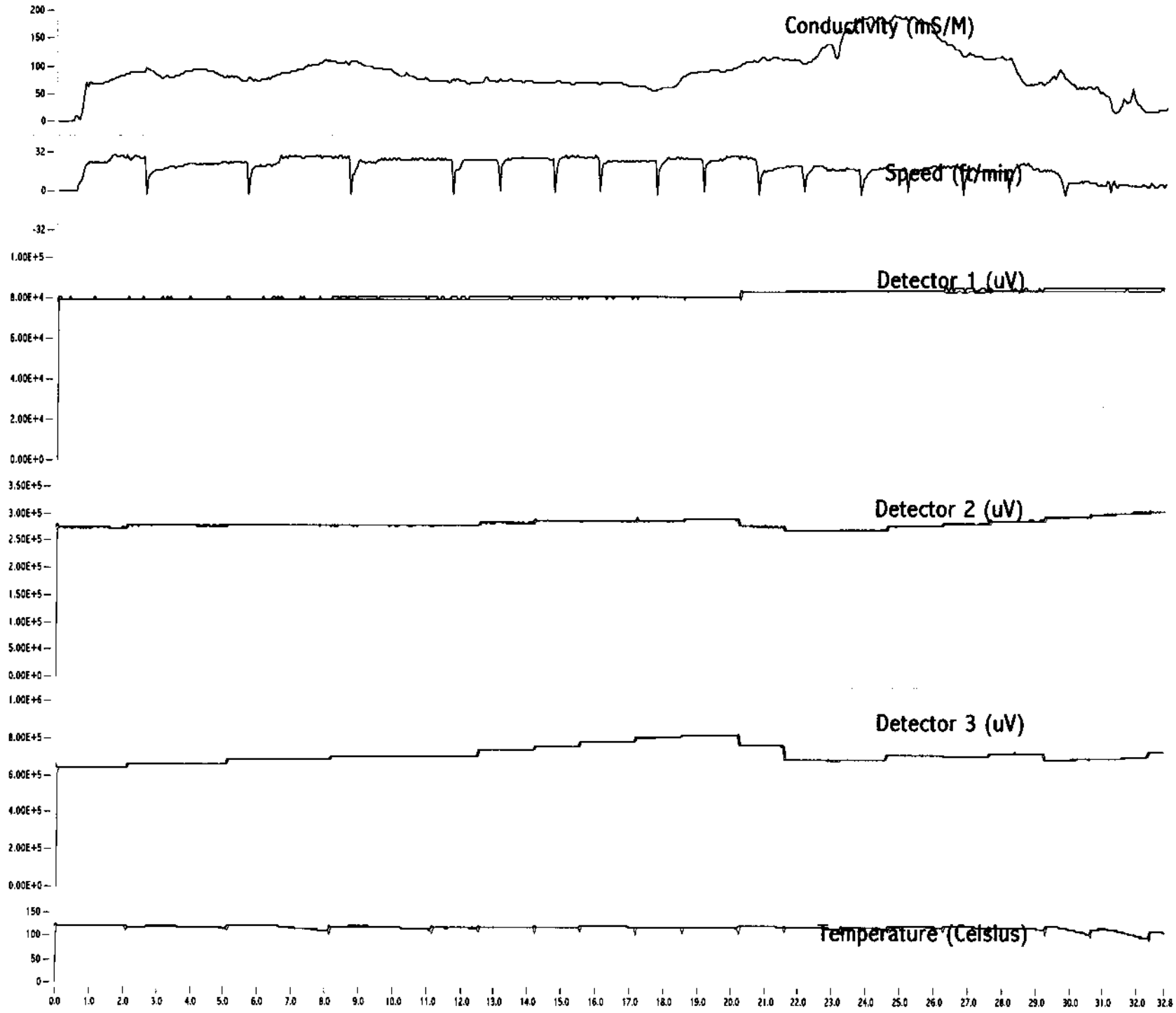
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 = 30	ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.67)
USER-CALCULATED DEPTH:	=	32.54
STRINGPOT-MEASURED DEPTH:		31.81
DIFFERENCE:		2.3 %

END TIME: 2:17 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-67.dat



P2-67.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

```
                    DATE: 6/23/04
              START TIME: 12:52 PM
           DATA FILE NAME: c:\dirim95\logfiles\p2-67.dat
             PROBE NUMBER:


           DETECTOR ATTENUATION CHANGES:
  DEPTH          DET 1 ATT FACTOR          DET 2 ATT FACTOR
  0.00               1.00                      1.00

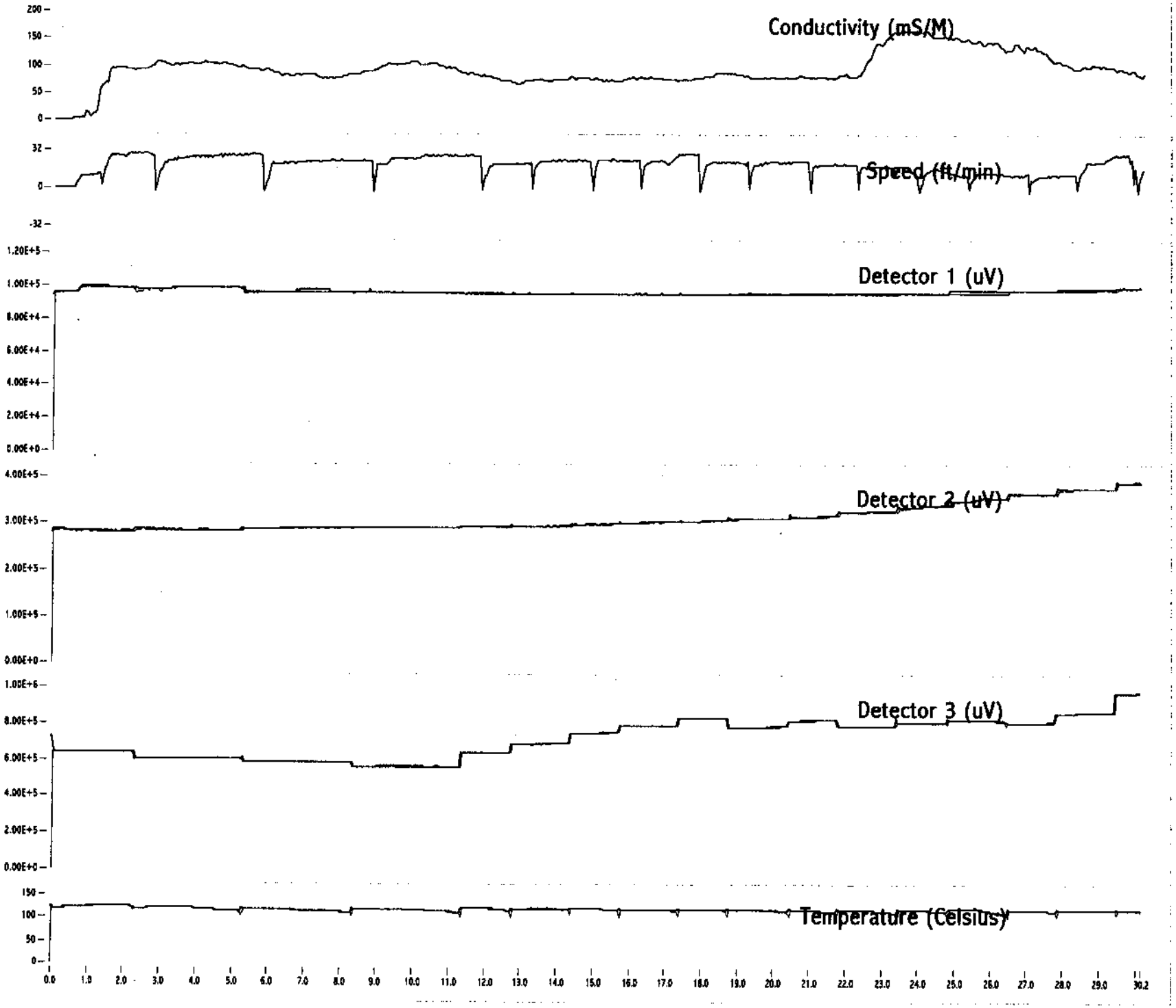
             DEPTH CALCULATION:

             ROD LENGTH: 3.00  feet
      NUMBER OF RODS USED:  x 11 = 33   ft.
LENGTH OF PROBE AND ATTACHED ROD:  +      3.21
 HEIGHT OF LAST ROD ABOVE GROUND:  -     (2.17)
                                        ------
   USER-CALCULATED DEPTH:  =     34.04
 STRINGPOT-MEASURED DEPTH:       32.84
             DIFFERENCE:          3.6  %

               END TIME: 1:16 PM

NOTE:  LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
       FOR GEOPROBE "C" SERIES MIP PROBES
```

Log: C:\dirim95\LOGFILES\P2-69.dat



P2-69.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/23/04
START TIME: 9:52 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-69.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

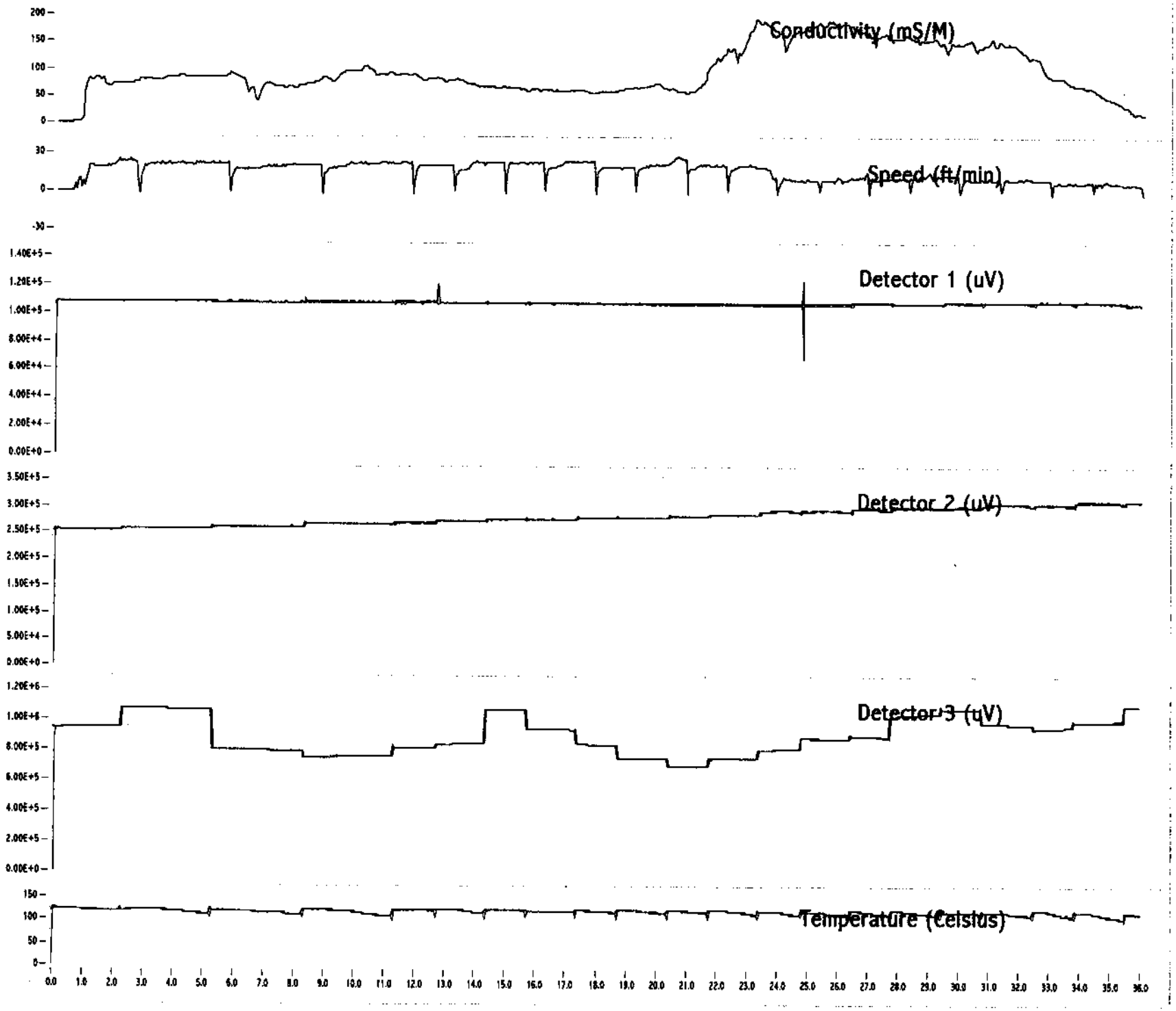
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 = 30 ft.	
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.92)
USER-CALCULATED DEPTH:	=	31.29
STRINGPOT-MEASURED DEPTH:		30.18
DIFFERENCE:		3.6 %

END TIME: 10:15 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-71.dat



P2-71.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/23/04
START TIME: 8:44 AM
DATA FILE NAME: c:\dirim95\logfiles\p2-71.dat
PROBE NUMBER:
DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

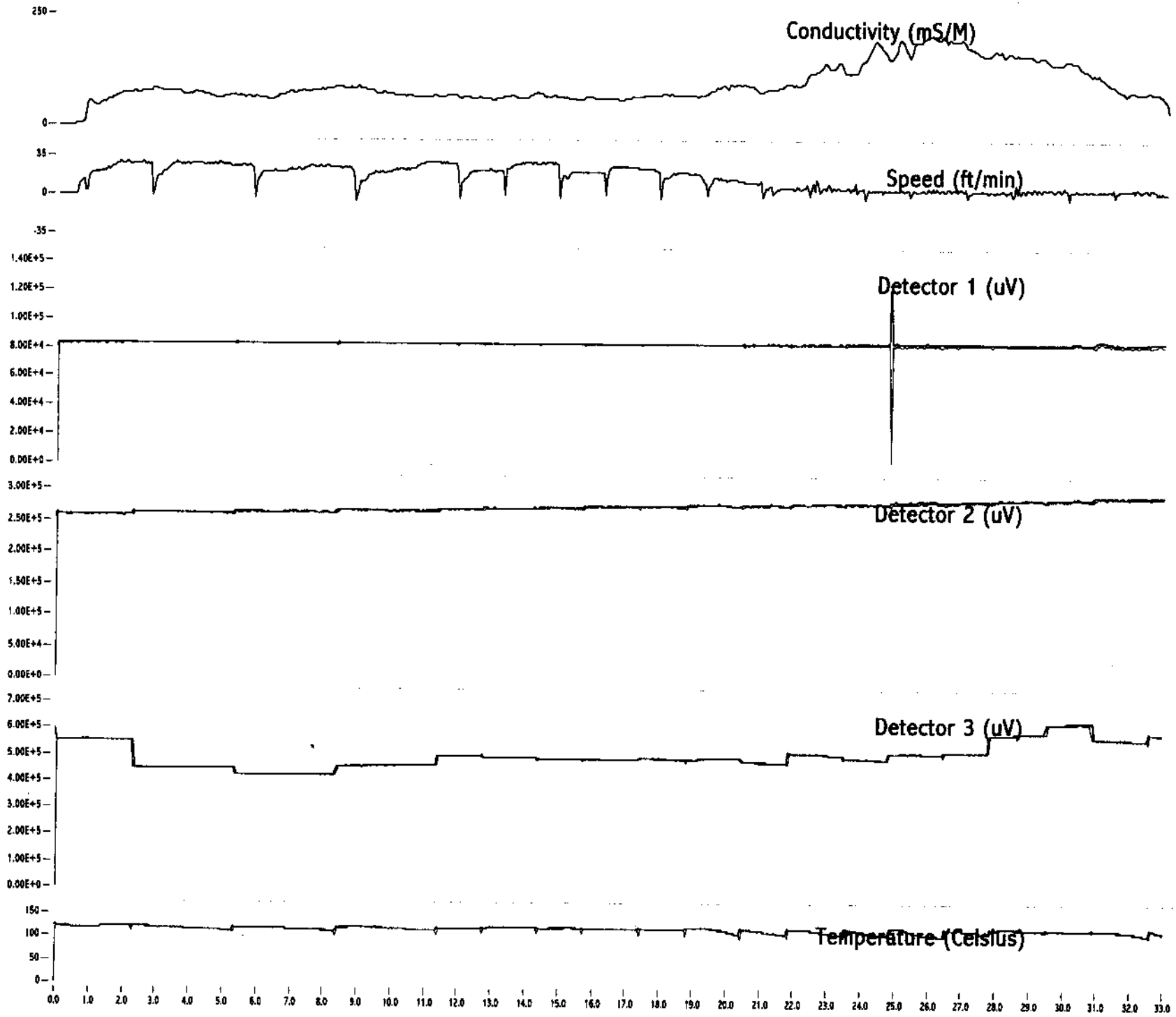
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 12 = 36 ft.	
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.00)
USER-CALCULATED DEPTH:	=	37.21
STRINGPOT-MEASURED DEPTH:		36.02
DIFFERENCE:		3.3 %

END TIME: 9:14 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-72.dat



P2-72.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/22/04
START TIME: 2:19 PM
DATA FILE NAME: c:\dirim95\logfiles\p2-72.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

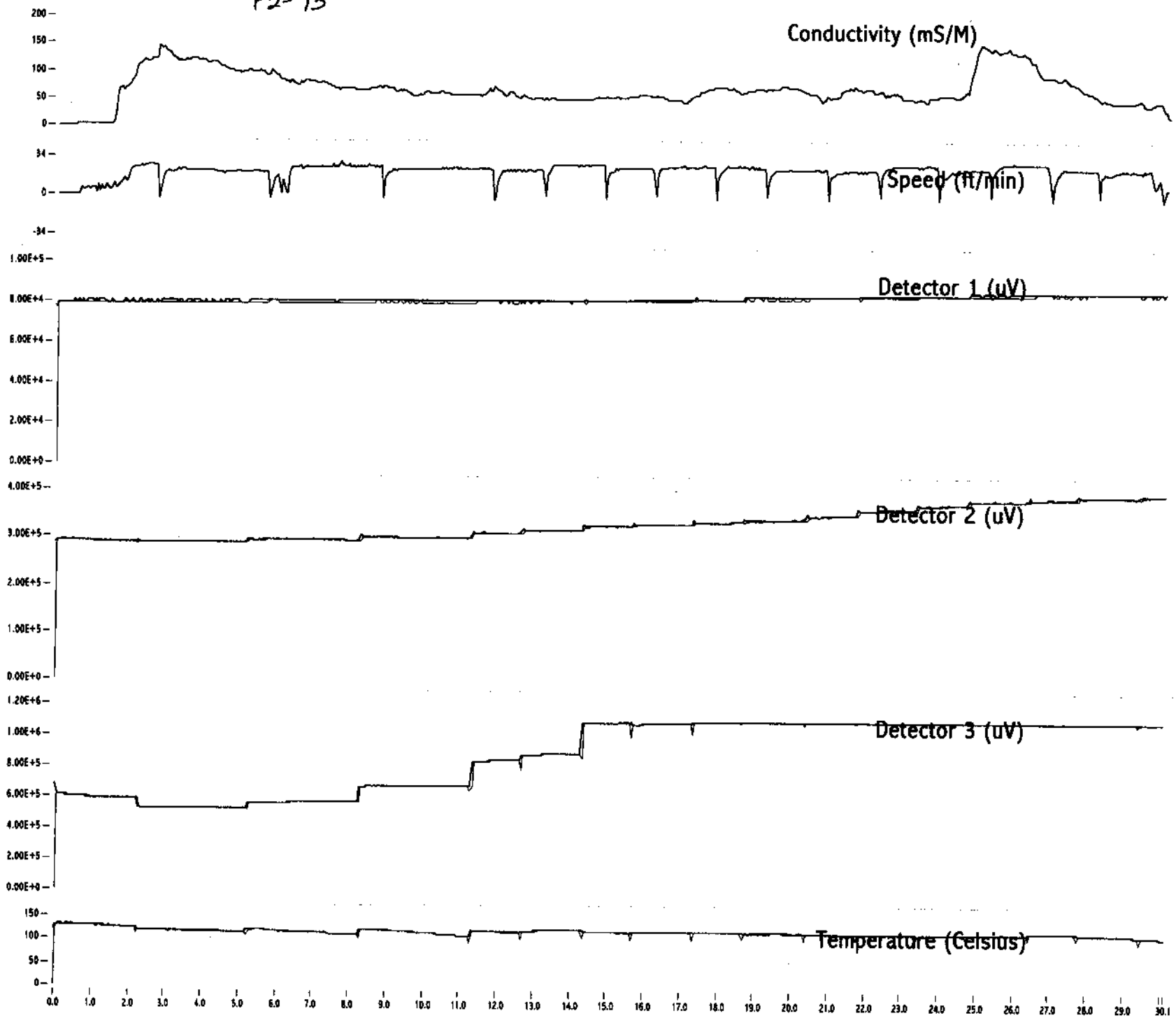
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 11 = 33 ft.	
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.17)
USER-CALCULATED DEPTH:	=	34.04
STRINGPOT-MEASURED DEPTH:		32.99
DIFFERENCE:		3.2 %

END TIME: 2:46 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\~~Nb-60~~.dat
P2-73



P2-73

~~NB-60~~.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/2/04
START TIME: 11:03 AM
DATA FILE NAME: c:\dirim95\logfiles\nb-60.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

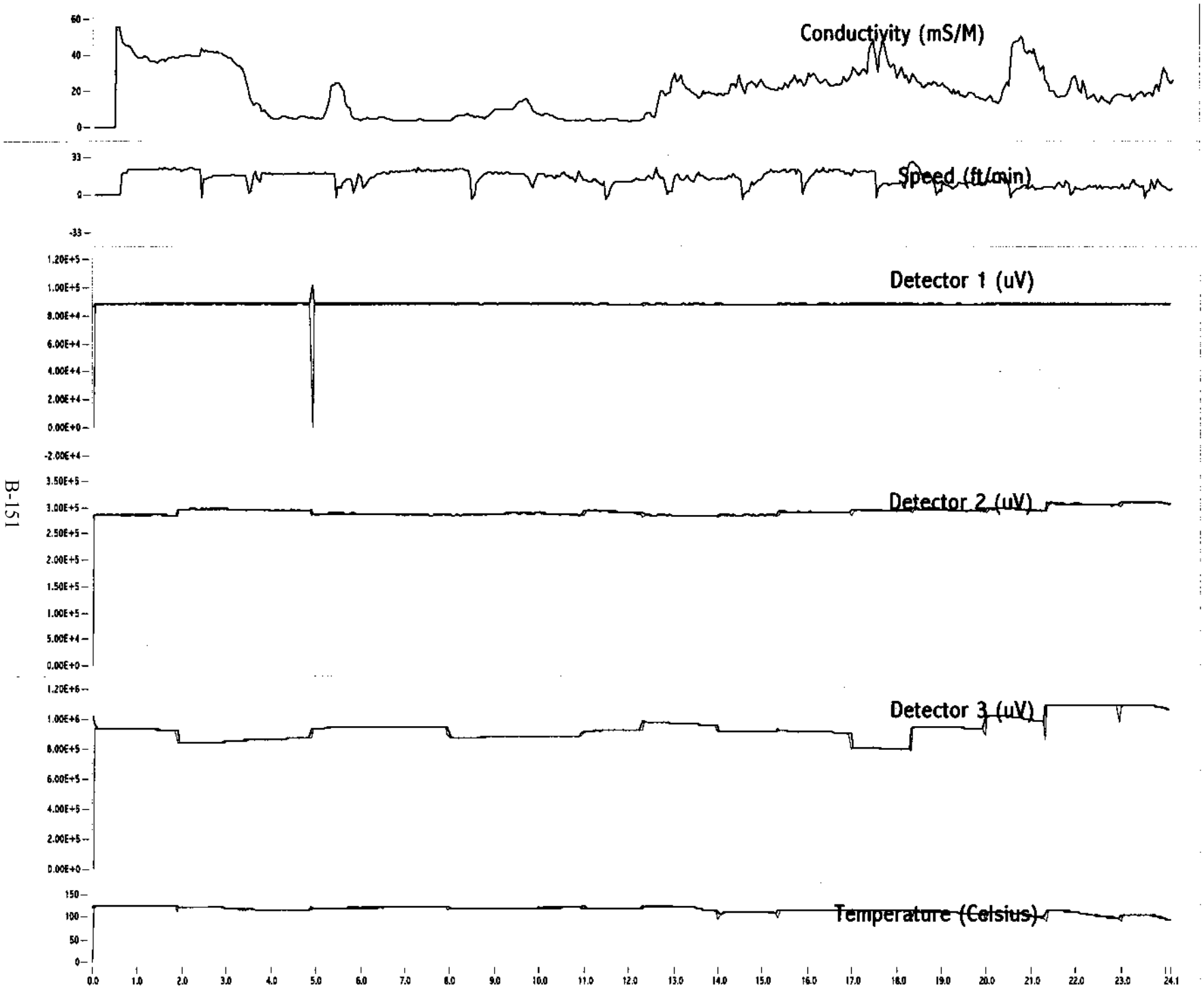
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 = 30 ft.	
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.25)
USER-CALCULATED DEPTH:	=	30.96
STRINGPOT-MEASURED DEPTH:		30.11
DIFFERENCE:		2.8 %

END TIME: 11:24 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\P2-74.dat



P2-74.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 7/7/04
START TIME: 3:40 PM
DATA FILE NAME: c:\dirim95\logfiles\p2-74.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

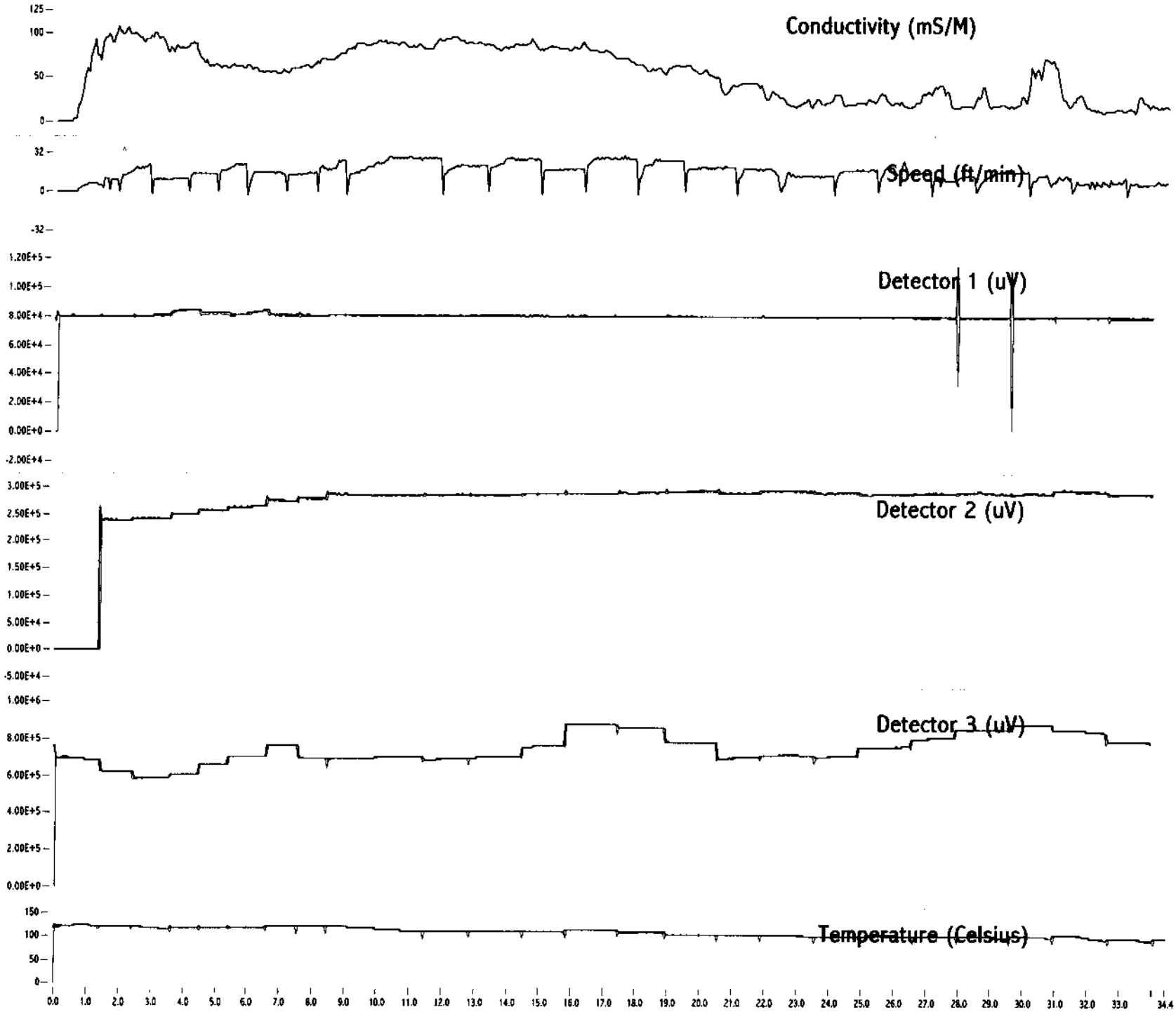
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 8 =	24 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(2.08)
USER-CALCULATED DEPTH:	=	25.13
STRINGPOT-MEASURED DEPTH:		24.14
DIFFERENCE:		4.0 %

END TIME: 3:58 PM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\PI-06.dat



PL-06.INF

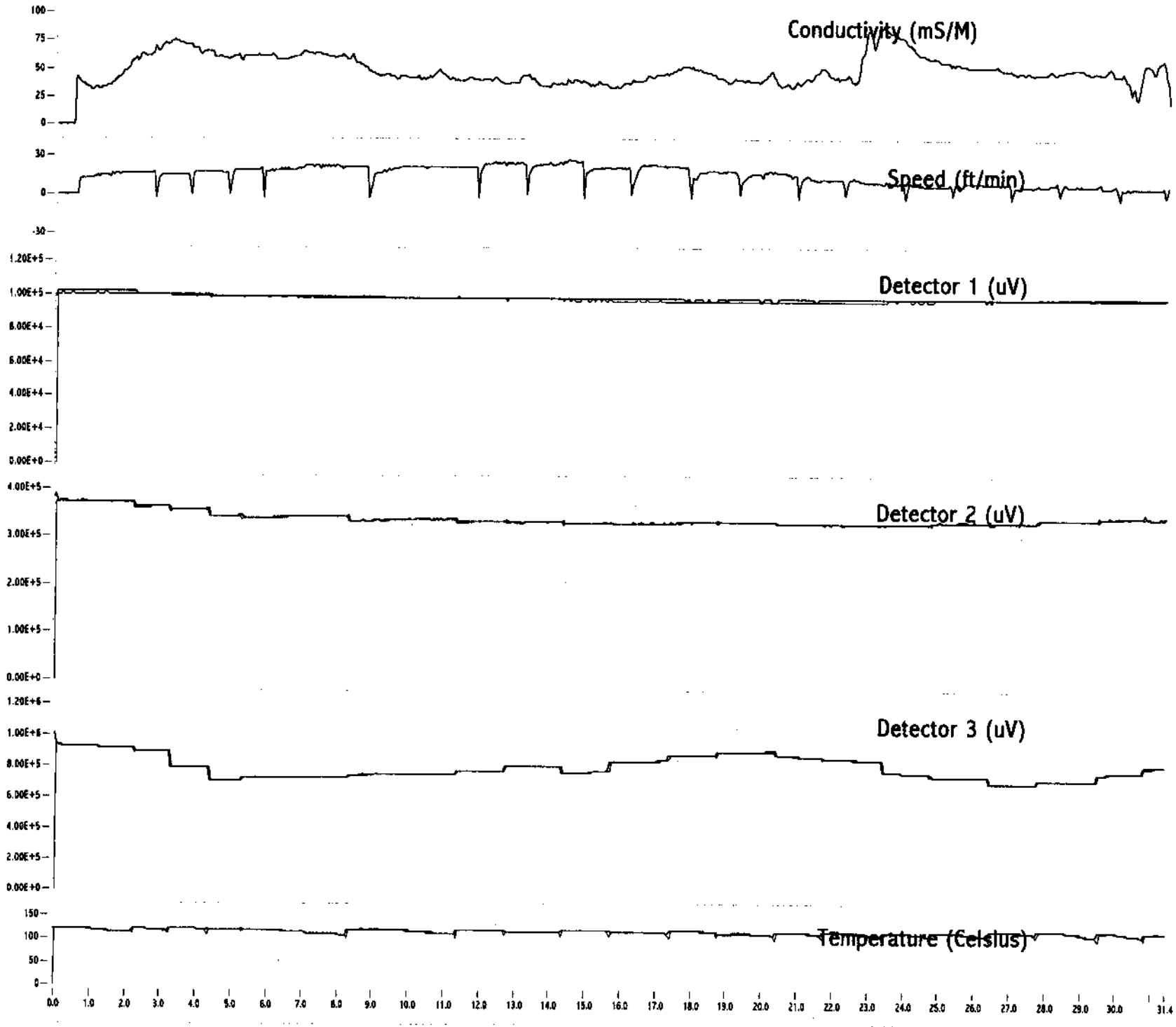
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/18/04
START TIME: 9:41 AM
DATA FILE NAME: c:\dirim95\logfiles\pl-06.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

Log: C:\dirim95\LOGFILES\PI-4.dat



PL-4.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/25/04
START TIME: 11:05 AM
DATA FILE NAME: c:\dirim95\logfiles\pl-4.dat
PROBE NUMBER:

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

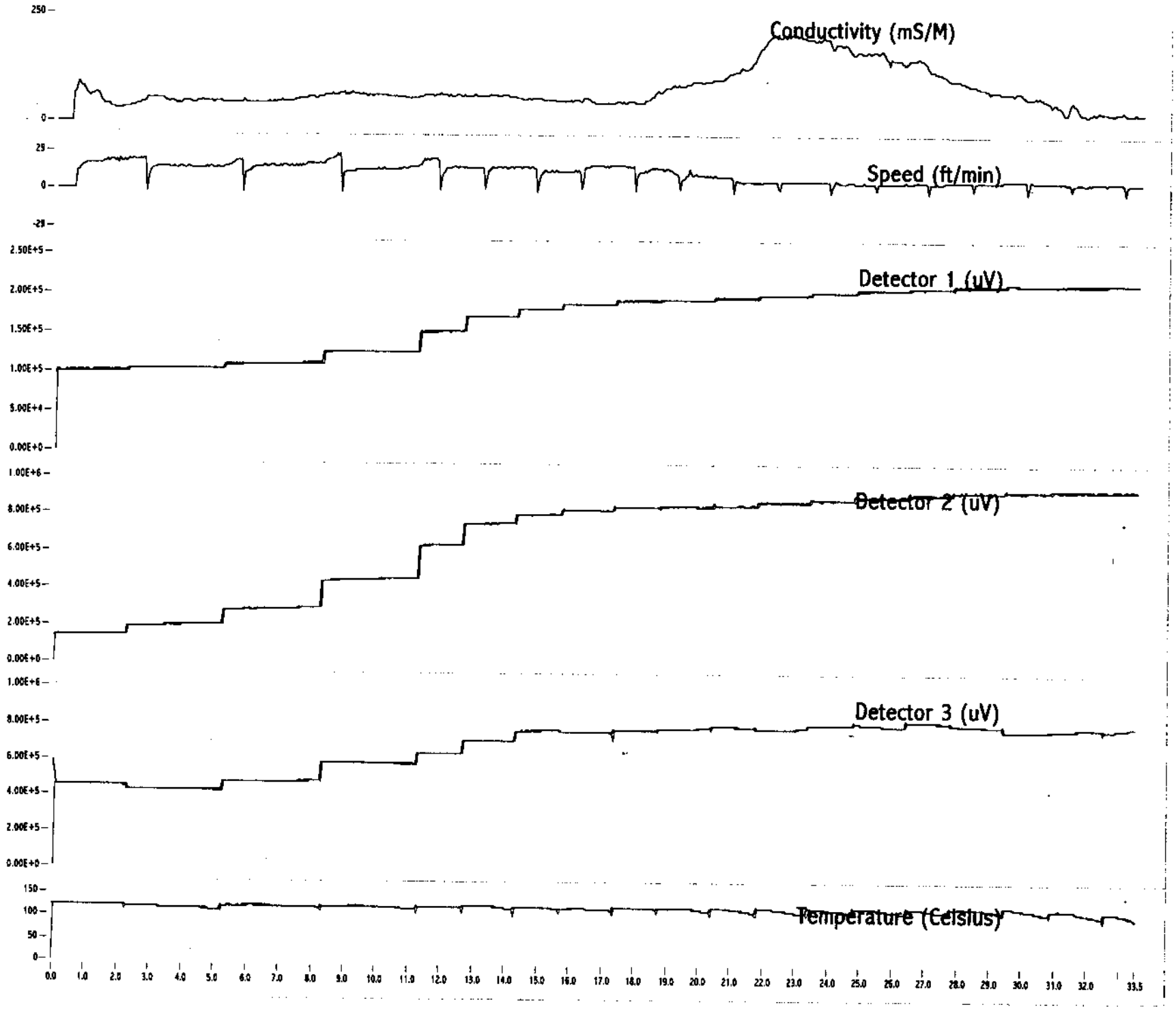
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 =	30 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.00)
USER-CALCULATED DEPTH:	=	32.21
STRINGPOT-MEASURED DEPTH:		31.43
DIFFERENCE:		2.4 %

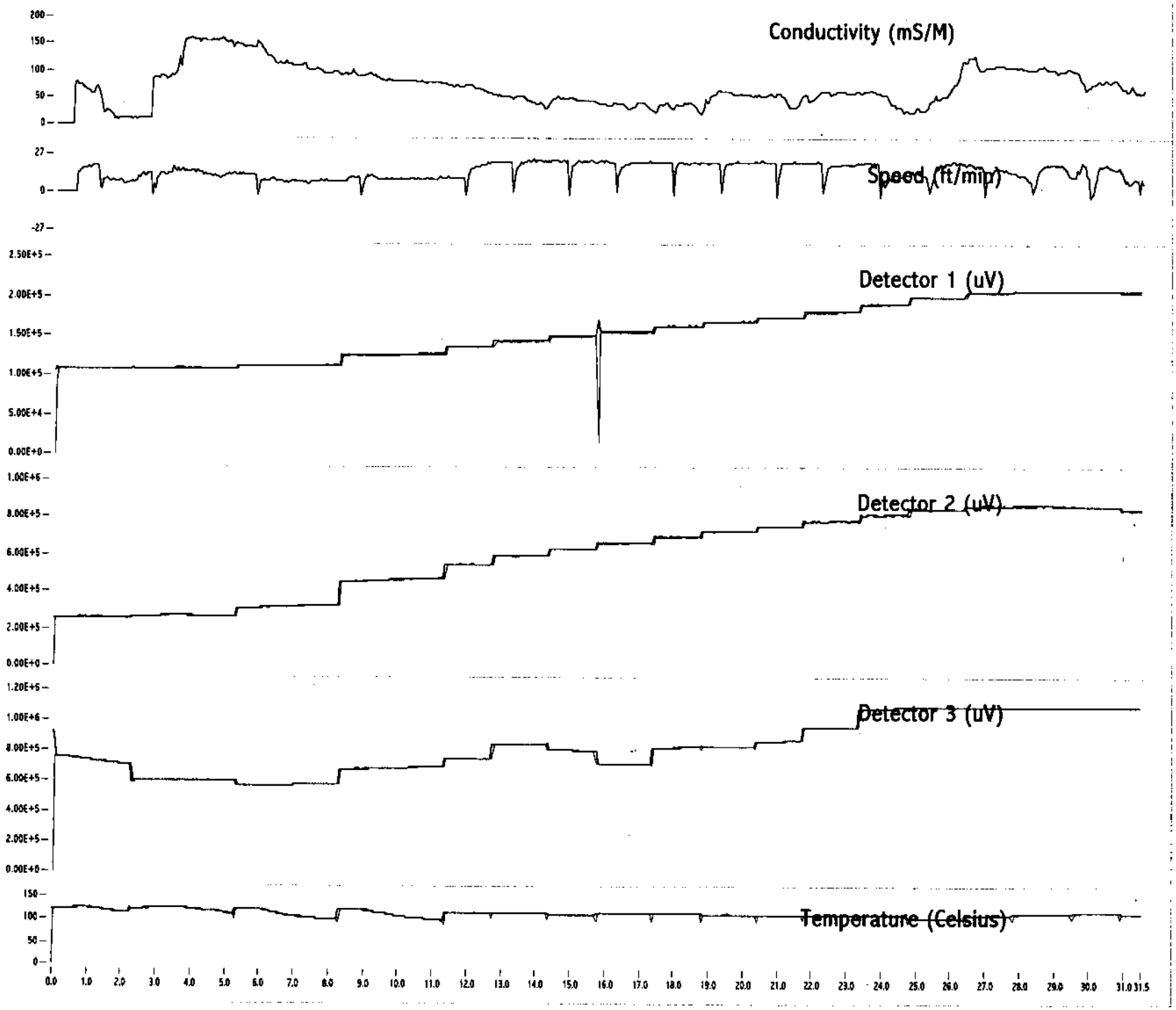
END TIME: 11:28 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\PI-5.dat



Log: C:\dirim95\LOGFILES\Rr-05.dat



RR-05.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/8/04
START TIME: 8:00 AM
DATA FILE NAME: c:\dirim95\logfiles\rr-05.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

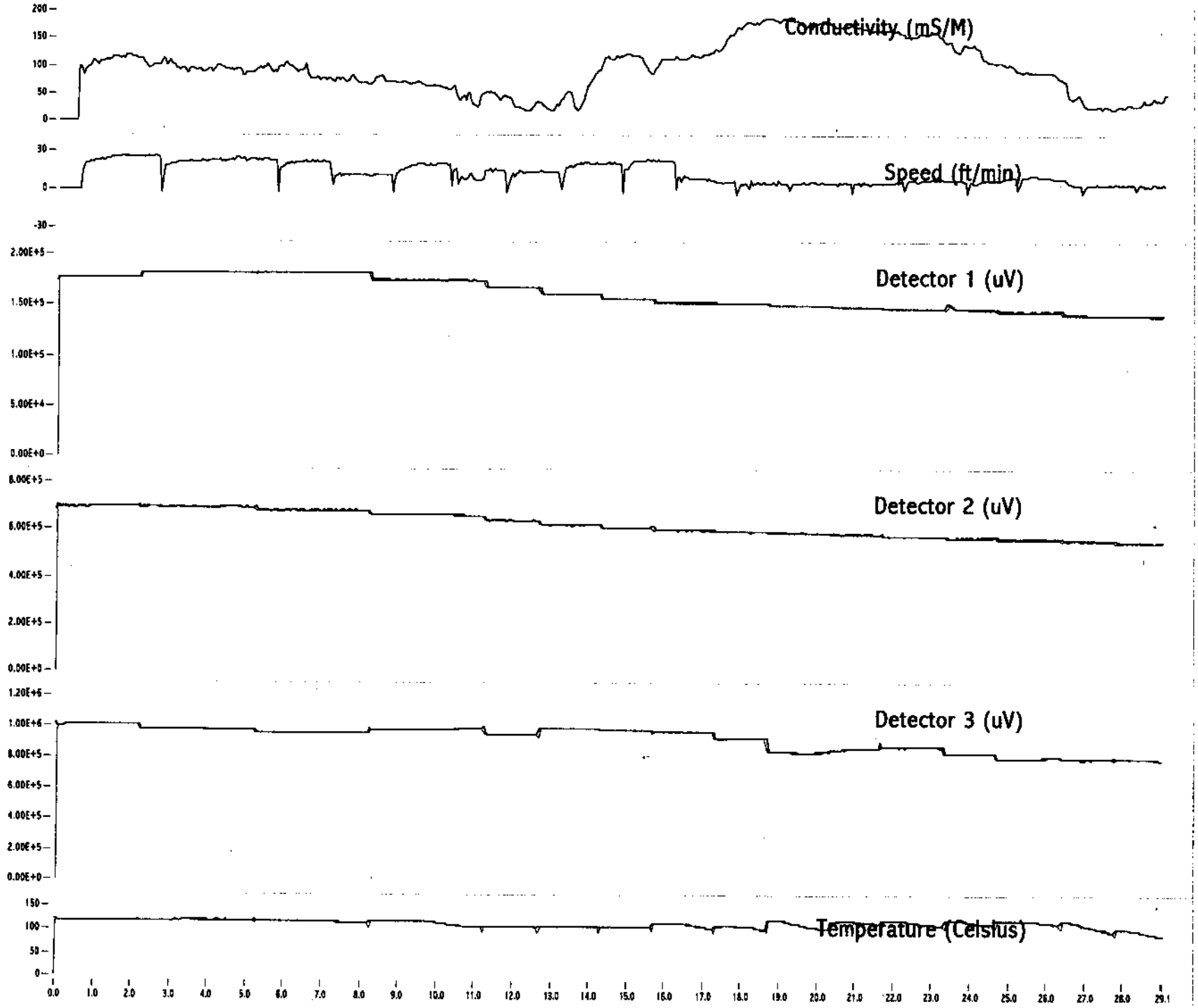
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 10 = 30 ft.	
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(1.00)
USER-CALCULATED DEPTH:	=	32.21
STRINGPOT-MEASURED DEPTH:		31.51
DIFFERENCE:		2.2 %

END TIME: 8:23 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Sw-05.dat



SW-05.INF

LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/8/04
START TIME: 10:05 AM
DATA FILE NAME: c:\dirim95\logfiles\sw-05.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

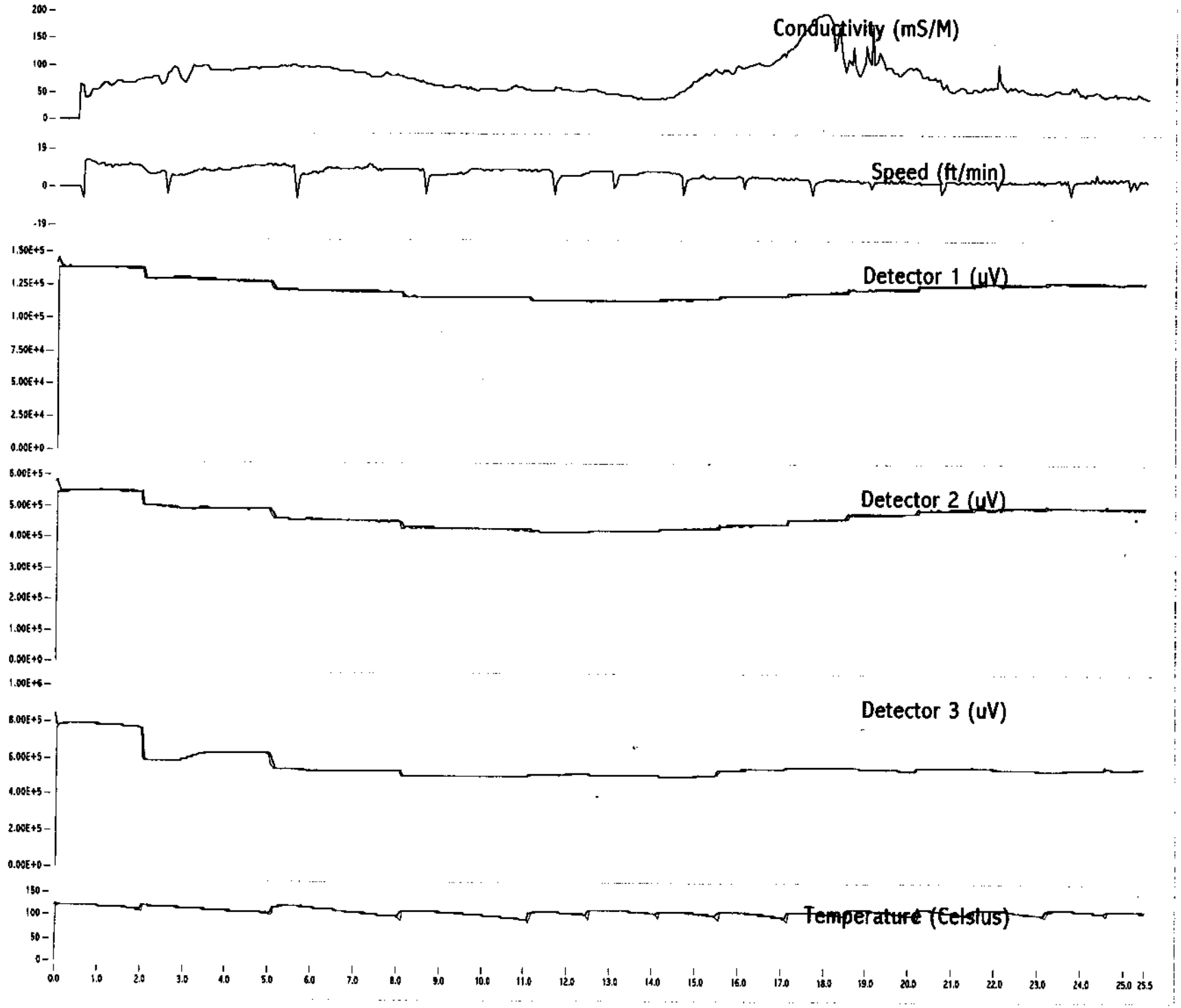
DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 9 =	27 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.33)
USER-CALCULATED DEPTH:	=	29.88
STRINGPOT-MEASURED DEPTH:		29.08
DIFFERENCE:		2.7 %

END TIME: 10:27 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

Log: C:\dirim95\LOGFILES\Sw-07.dat



SW-07.INF
LOG INFORMATION -- MEMBRANE INTERFACE PROBE

DATE: 6/8/04
START TIME: 11:05 AM
DATA FILE NAME: c:\dirim95\logfiles\sw-07.dat
PROBE NUMBER: 0

DETECTOR ATTENUATION CHANGES:

DEPTH	DET 1 ATT FACTOR	DET 2 ATT FACTOR
0.00	1.00	1.00

DEPTH CALCULATION:

ROD LENGTH:	3.00 feet	
NUMBER OF RODS USED:	x 8 =	24 ft.
LENGTH OF PROBE AND ATTACHED ROD:	+	3.21
HEIGHT OF LAST ROD ABOVE GROUND:	-	(0.42)
USER-CALCULATED DEPTH:	=	26.79
STRINGPOT-MEASURED DEPTH:		25.50
DIFFERENCE:		4.9 %

END TIME: 11:25 AM

NOTE: LOG ACQUIRED USING MIP SOFTWARE VERSION 2.0
FOR GEOPROBE "C" SERIES MIP PROBES

All depths are from top of casing.
For scale purposes, the vertical visible photo area is 0.1 ft

PW-5

- Six-inch diameter steel casing
- Total depth of casing 82.9 ft
- Water level 93.7 ft
- Total depth 347.8 ft
- All joints screwed tight
- Hole size consistent throughout

PW-6

- Six-inch diameter PVC casing
- Total depth of casing 79.9 ft
- Water level 91.8 ft
- Total depth 336.0 ft
- All joints glued and intact
- Hole size consistent throughout

PW-10

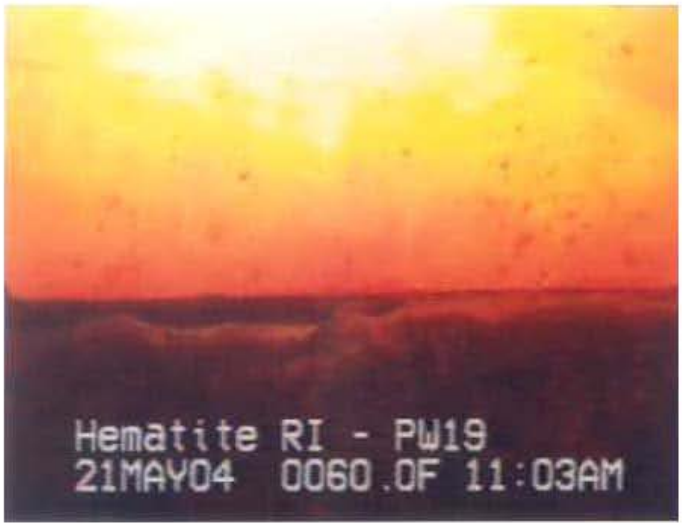
- Six-inch diameter PVC casing
- Total depth of casing 79.6 ft
- Water level 138.1 ft
- Total depth 330.2 ft
- All joints intact
- Hole size consistent throughout

PW-16

- Six-inch diameter steel casing
- Total depth of casing 41.7 ft
- Water level 109.7 ft
- Total depth 308.4 ft
- All joints screwed tight
- Hole size consistent throughout

PW-19

- Six-inch PVC casing
- Total depth of casing 60.0 ft
- Water level 53.9 ft
- Total depth of borehole 249.3 ft
- All joints intact
- Hole size consistent throughout



PW-23

- Six-inch diameter steel casing
- Total depth of casing 41.6 ft
- Water level 129.8 ft
- Total depth 338.0 ft
- All joints screwed tight
- Hole size consistent throughout

PW-24

- Six-inch diameter PVC casing
- Total depth of casing 79.7 ft
- Water level 160.4 ft
- Total depth 323.1 ft
- All joints glued and intact
- Hole size consistent throughout

PW-25

- Six-inch diameter steel casing
- Total depth of casing 18.6 ft
- Water level 160.3 ft
- Total depth 252.7 ft
- Consists of one joint of casing
- Hole size consistent throughout

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APPENDIX C
BORING LOGS

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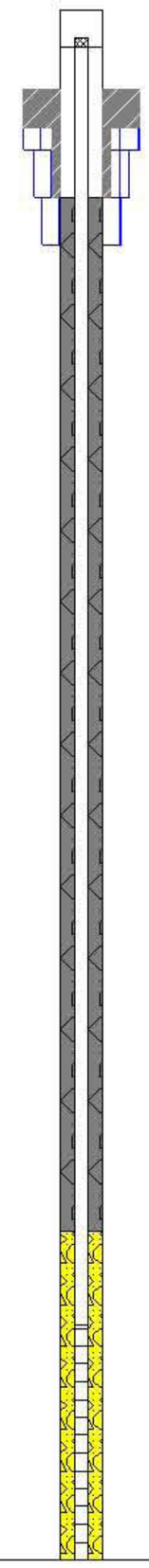
Boring: BD-13

Client	Westinghouse Electric Company
Location:	Hematite, MO
Project:	Hematite Remedial Investigation
Date Started:	07/06/04
Date Finished:	07/06/04
Geologist:	J. Grupp
Drilling Contractor:	IPS

Drilling Method:	Direct Push
Surf. Elev:	433.20
Northing:	864668.28
Easting:	827189.72
Total Depth of Boring:	31.0 feet
Top of Casing:	435.70
Total Depth of Well:	31.0 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 – 125	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435			Bkgrd= 36/5200		Bkgrd= 0.3						
	0							ASPHALT			2' x 2' x 0.5' CONCRETE PAD
		4.0/3.0						GRAVEL: (FILL)			1" SCH 40 PVC RISER
430			46/5400					CLAY: brown w/gray mottling, slightly plastic, damp to moist, sitly			
	5	4.0/4.0							CL		
425			82/5200			BD-13-09-SL (8.0-10.0')		CLAY: brown w/gray to black mottling, slightly plastic, wet, silty			
	10	4.0/4.0							CL		HIGH SOLIDS BENTONITE GROUT
420			52/5200					CLAY: brown w/gray to black mottling, slightly plastic, wet, silty with fine gravel	CL		
		4.0/4.0						CLAY: brown, plastic, wet with silt			
	15					BD-13-15-SL (14.0-16.0')					
415		4.0/4.0							CL		
	20		60/5800								
		4.0/4.0									
410						BD-13-23-SL (22.0-24.0')		CLAY: grayish brown, plastic	CH		
	25	4.0/0.0						NO RECOVERY			SECONDARY FILTER PACK (100 Mesh)
			57/5800								
405		3.0/3.0						CLAY: gray, plastic, wet	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
	30					BD-13-30-SL (29.0-31.0')		SAND: gray, coarse with fine to coarse gravel	SW		
								Bottom of Hole 31.0'			
400											
	35										
395											
	40										



Westinghouse

Westinghouse Electric Company
Hematite Facility
3300 State Road P
Festus, MO 63028

SAIC
An Employee-Owned Company

SAIC
8421 St. John Industrial Drive
St. Louis, MO 63114

Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BD-13
Sheet:	1 of 1

Boring: BD-14

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	433.20
Project:	Hematite Remedial Investigation	Northing:	864736.00
Date Started:	07/08/04	Easting:	827250.00
Date Finished:	07/08/04	Total Depth of Boring:	32.0 feet
Geologist:	J. Grupp	Top of Casing:	435.70
Drilling Contractor:	IPS	Total Depth of Well:	32.0 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435			Bkgrd= 54/9500		Bkgrd= 0.0						
	0	4.0/4.0	42/9600	N/A				ASPHALT GRAVEL: sand and cinders (FILL) CLAY: brown, slightly plastic, damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
430	5	4.0/4.0	45/9000			BD-14-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, damp to moist, sitly			
425	10	4.0/1.5	66/9400								HIGH SOLIDS BENTONITE GROUT
420	15	4.0/4.0	45/9600			BD-14-13-SL (12.0-14.0')			CL		
415	20	4.0/4.0									
410	25	4.0/3.0	98/9600					CLAY: dark brown, high plastic, wet	CH		
405	30	4.0/2.0	64/8600			BD-14-25-SL (24.0-26.0')		CLAY: grayish brown, high plastic, wet	CH		SECONDARY FILTER PACK (100 Mesh) 1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		3.0/2.25	48/8800			BD-14-31-SL (30.0-32.0')		SANDY CLAY: gray	CL SW		
400	35							SAND: gray w/fine to coarse sand and fine gravel, wet Bottom of Hole 32.0'			
395	40										

Westinghouse

Westinghouse Electric Company
Hematite Facility
3300 State Road P
Festus, MO 63028

SAIC
An Employee-Owned Company

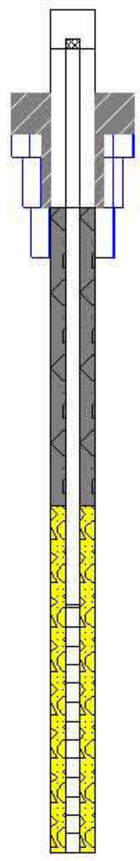
SAIC
8421 St. John Industrial Drive
St. Louis, MO 63114

Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BD-14
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	433.20
Project:	Hematite Remedial Investigation	Northing:	864804.00
Date Started:	07/08/04	Easting:	827309.00
Date Finished:	07/08/04	Total Depth of Boring:	32.0 feet
Geologist:	J. Grupp	Top of Casing:	435.70
Drilling Contractor:	IPS	Total Depth of Well:	15.0 feet

Boring: BD-15

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435			Bkgrd= 54/9500		Bkgrd= 0.5						
	0	4.0/3.0	62/9200	N/A		BD-15-05-SL (4.0-6.0')		ASPHALT			2' x 2' x 0.5' CONCRETE PAD
								GRAVEL: (FILL)			1" SCH 40 PVC RISER
430								CLAY: brown w/gray mottling, plastic, wet			
	5	4.0/4.0	62/9000						CH		HIGH SOLIDS BENTONITE GROUT
425								CLAY: brown w/gray mottling, slightly plastic, wet			SECONDARY FILTER PACK (100 Mesh)
	10	4.0/2.0	54/9000								1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
420		4.0/1.0	30/9200						CL		
	15										
415		4.0/2.0	54/8800			BD-15-17-SL (16.0-18.0')		CLAY: brown, slightly plastic, wet w/fine gravel intermixed	CL		
	20	4.0/3.0	48/8800					CLAY: brown, slightly plastic, wet, w/silt	CH		
410								CLAY: dark brownish gray, plastic, wet	CH		
	25	4.0/2.0	52/8900			BD-15-25-SL (24.0-26.0')		CLAY: gray, plastic, wet	CH		
405											
	30	4.0/2.0	53/9100			BD-15-31-SL (30.0-32.0')		CLAY: gray, plastic, gravelly	CH		
400								Bottom of Hole 32.0'			
	35										
395											
	40										



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BD-15
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	435.22
Project:	Hematite Remedial Investigation	Northing:	864876.27
Date Started:	07/06/04	Easting:	827382.82
Date Finished:	07/06/04	Total Depth of Boring:	35.0 feet
Geologist:	J. Grupp	Top of Casing:	437.72
Drilling Contractor:	IPS	Total Depth of Well:	35.0 feet

Boring: BD-16

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 43/5100		Bkgrd= 0.1						
435	0							CONCRETE			2' x 2' x 0.5' CONCRETE PAD
		4.0/2.5						CLAY: brown, slightly plastic, damp, silty	CL		1" SCH 40 PVC RISER
			54/5600								
430	5	4.0/4.0				BD-16-05-SL (4.0-6.0')		CLAY: brown w/gray mottling, slightly plastic, moist, silty			
425	10	4.0/4.0							CL		HIGH SOLIDS BENTONITE GROUT
			50/4900								
		4.0/1.0									
420	15					BD-16-15-SL (14.0-16.0')					
		4.0/2.0									
415	20		54/5400			BD-16-19-SL (18.0-20.0')		CLAY: grayish brown, plastic, wet			
		4.0/2.0							CL		
410	25					BD-16-25-SL (24.0-26.0')					
		4.0/3.0									
			54/5000					CLAY: gray, plastic, wet			SECONDARY FILTER PACK (100 Mesh)
405	30	4.0/3.0							CH		
											1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		3.0/2.0						SANDY CLAY: gray	CL		
						BD-16-34-SL (33.0-35.0')		SAND: gray, fine grained with fine to coarse gravel	SW		
400	35							Bottom of Hole 35.0'			
	40										

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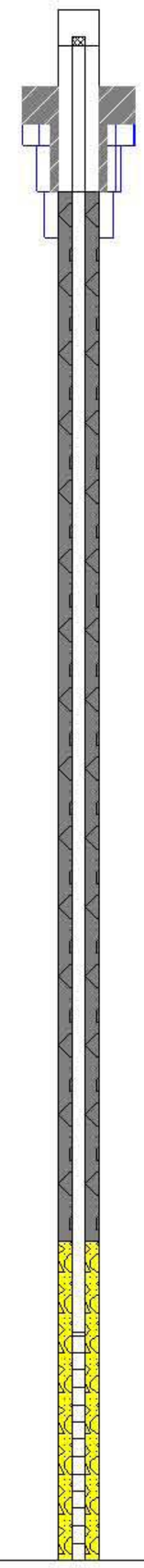
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BD-16
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	432.00
Project:	Hematite Remedial Investigation	Northing:	865168.43
Date Started:	06/30/04	Easting:	827549.51
Date Finished:	06/30/04	Total Depth of Boring:	32.0 feet
Geologist:	J. Grupp	Top of Casing:	434.50
Drilling Contractor:	IPS	Total Depth of Well:	32.0 feet

Boring: BP-17

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 66/8800		Bkgrd= 1.0						
430	0	4.0/4.0	66/8800			BP-17-05-SL (4.0-6.0')		TOPSOIL CLAY: brown, slightly plastic, dry to damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
425	5	4.0/4.0									
420	10	4.0/4.0	64/9000					CLAY: dark brown, slightly plastic, damp, silty	CL		HIGH SOLIDS BENTONITE GROUT
		4.0/4.0						CLAY: brown, slightly plastic, moist, gravelly	CL		
415	15	4.0/4.0	70/9200			BP-17-15-SL (14.0-16.0')		CLAY: grayish brown, plastic, moist CLAY: gray/brown, highly plastic, wet	CH CH		
410	20	4.0/4.0				BP-17-23-SL (22.0-24.0')					
405	25	4.0/0.0						NO RECOVERY			SECONDARY FILTER PACK (100 Mesh)
								CLAY: gray, highly plastic, wet	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	30	4.0/2.0	65/9500			BP-17-31-SL (30.0-32.0')		GRAVEL: fine to coarse w/coarse sand, wet	GW		
395	35							Bottom of Hole 32.0'			
	40										



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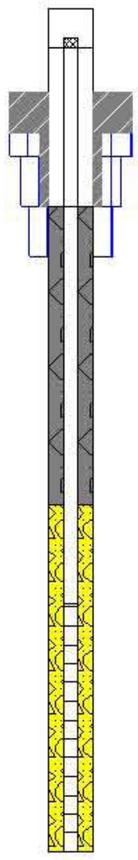
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BP-17
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	429.61
Project:	Hematite Remedial Investigation	Northing:	865074.05
Date Started:	06/30/04	Easting:	827740.54
Date Finished:	06/30/04	Total Depth of Boring:	30.8 feet
Geologist:	J. Grupp	Top of Casing:	432.11
Drilling Contractor:	IPS	Total Depth of Well:	15.0 feet

Boring: BP-19

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 43/5100		Bkgrd= 0.2						
430	0	4.0/4.0						TOPSOIL			2' x 2' x 0.5' CONCRETE PAD
								CLAY: brown, slightly plastic, silty, damp			1" SCH 40 PVC RISER
			73/10200						CL		
425	5	4.0/4.0				BP-19-05-SL (4.0-6.0')					HIGH SOLIDS BENTONITE GROUT
								CLAY: brown, w/gray mottling, slightly plastic, moist to wet, silty			
420	10	4.0/4.0									SECONDARY FILTER PACK (100 Mesh)
			43/10300								1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
415	15	4.0/4.0				BP-19-13-SL (12.0-14.0')			CL		
		4.0/4.0									
410	20		52/10000					CLAY: grayish brown, slightly plastic w/silt	CL		
		4.0/4.0						CLAY: gray, plastic, wet			
405	25	4.0/4.0				BP-19-25-SL (24.0-26.0')			CH		
			48/10350								
400	30	2.8/1.5				BP-19-29-SL (28.0-30.0')		CLAY: gray, plastic, wet, trace silt	CH		
395	35							Bottom of Hole 30.8'			
390	40										



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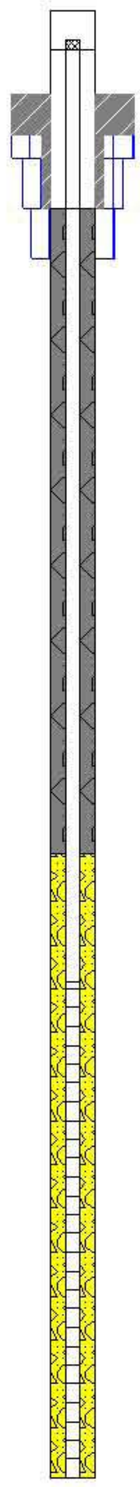
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BP-19
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	424.30
Project:	Hematite Remedial Investigation	Northing:	865068.00
Date Started:	06/29/04	Easting:	827833.00
Date Finished:	06/29/04	Total Depth of Boring:	28.0 feet
Geologist:	J. Grupp	Top of Casing:	426.80
Drilling Contractor:	IPS	Total Depth of Well:	27.6 feet

Boring: BP-20A

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
425			Bkgrd= 46/4800		Bkgrd= 0.0						
	0	4.0/4.0				BP-20-03-SL (2.0-4.0')		TOPSOIL CLAY: brown, non-plastic, dry to damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
420	5	4.0/3.5	48/10005					CLAY: brown w/gray mottling, slightly plastic, damp, silty	CL		HIGH SOLIDS BENTONITE GROUT
415	10	4.0/4.0	51/10300								
410	15	4.0/0.0						NO RECOVERY			SECONDARY FILTER PACK (100 Mesh)
405	20	4.0/3.5	56/10000			BP-20-19-SL (18.0-20.0')		CLAY: grayish brown, plastic, wet, trace fine gravel CLAY: gray, plastic, wet	CH CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	25	4.0/3.5 4.0/3.5	52/9900			BP-20-27-SL (26.0-28.0')		GRAVEL: fine to coarse, with coarse sand GRAVEL: fine to coarse with medium to coarse sand	GW GW		
395	30							Bottom of Hole 28.0'			
390	35										
385	40										



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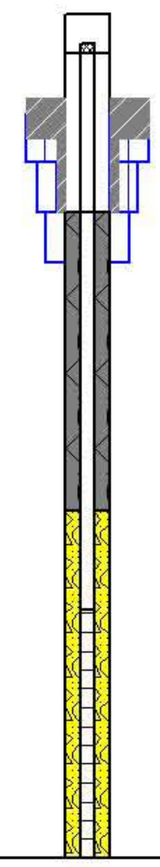
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BP-20A
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	424.30
Project:	Hematite Remedial Investigation	Northing:	865068.00
Date Started:	07/01/04	Easting:	827833.00
Date Finished:	07/01/04	Total Depth of Boring:	15.0 feet
Geologist:	J. Grupp	Top of Casing:	426.80
Drilling Contractor:	IPS	Total Depth of Well:	15.0 feet

Boring: BP-20B

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
								MIP, PID, RAD, and Lithology data taken from BP-20A			
425	0		Bkgrd= 46/4800		Bkgrd= 0.0			TOPSOIL			2' x 2' x 0.5' CONCRETE PAD
								CLAY: brown, non-plastic, dry to damp, silty	CL		1" SCH 40 PVC RISER
420	5		48/10005					CLAY: brown w/gray mottling, slightly plastic, damp, silty	CL		HIGH SOLIDS BENTONITE GROUT SECONDARY FILTER PACK (100 Mesh)
415	10		51/10300					NO RECOVERY			1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
410	15							Bottom of Hole 15.0'			
405	20										
400	25										
395	30										
390	35										
385	40										



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BP-20B
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	431.71
Project:	Hematite Remedial Investigation	Northing:	864954.39
Date Started:	06/28/04	Easting:	827824.82
Date Finished:	06/28/04	Total Depth of Boring:	35.0 feet
Geologist:	J. Grupp	Top of Casing:	434.21
Drilling Contractor:	IPS	Total Depth of Well:	34.9 feet

Boring: BP-21

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 54/10500		Bkgrd= 0.0						
430	0	4.0/2.0	54/10500			BP-21-07-SL (6.0-8.0')		TOPSOIL CLAY: brown, slightly plastic, damp, siltly	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
425	5	4.0/4.0									
420	10	4.0/4.0	80/9900					CLAY: brown, slightly plastic, moist, silty	CL		HIGH SOLIDS BENTONITE GROUT
415	15	4.0/4.0				BP-21-13-SL (12.0-14.0')		CLAY: brown w/gray mottling, slightly plastic, wet, w/silt	CL		
410	20	4.0/4.0	44/10200					CLAY: grayish brown, plastic, wet	CH		SECONDARY FILTER PACK (100 Mesh)
405	25	4.0/0.0	46/9800			BP-21-24-SL (23.0-25.0')		NO RECOVERY			1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	30	4.0/4.0						CLAY: gray, plastic, gravelly w/fine sand	CL		
								SAND: gray, fine, wet	SP		
395	35	3.0/3.0	50/9700			BP-21-34-SL (33.0-35.0')		SAND: gray to brown, fine to coarse w/ fine gravel	SW		
	40							Bottom of Hole 35.0'			

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BP-21
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	432.44
Project:	Hematite Remedial Investigation	Northing:	864898.00
Date Started:	06/29/04	Easting:	827738.00
Date Finished:	06/29/04	Total Depth of Boring:	34.0 feet
Geologist:	J. Grupp	Top of Casing:	434.94
Drilling Contractor:	IPS	Total Depth of Well:	34.0 feet

Boring: BP-22A

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435			Bkgrd= 34/10000		Bkgrd= 0.0						
430	0	4.0/4.0	58/10500			BP-22-05-SL (4.0-6.0')		TOPSOIL CLAY: brown, slightly plastic, damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
425	5	4.0/4.0									
420	10	4.0/4.0	46/10200					CLAY: brown, slightly plastic, moist, silty	CL		HIGH SOLIDS BENTONITE GROUT
415	15	4.0/4.0				BP-22-13-SL (12.0-14.0')		CLAY: brown w/black mottling, slightly plastic, wet, silty	CL		
410	20	4.0/0.0	48/10800					NO RECOVERY			
405	25	4.0/4.0				BP-22-23-SL (22.0-24.0')		CLAY: brown w/black mottling, slightly plastic, wet, silty CLAY: grayish brown, plastic, wet	CL CH		
400	30	4.0/0.0	44/10300					NO RECOVERY			SECONDARY FILTER PACK (100 Mesh)
395	35	4.0/3.0						CLAY: gray, highly plastic, wet SANDY CLAY: gray, slightly plastic, wet	CH CL		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
	40	2.0/2.0	45/10300			BP-22-33-SL (32.0-34.0')		SAND: fine grained w/small gravels, wet Bottom of Hole 34'	SP		

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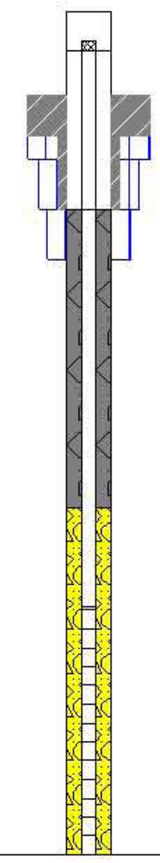
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BP-22A
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	432.44
Project:	Hematite Remedial Investigation	Northing:	864912.70
Date Started:	07/01/04	Easting:	827737.56
Date Finished:	07/01/04	Total Depth of Boring:	15.0 feet
Geologist:	J. Grupp	Top of Casing:	434.94
Drilling Contractor:	IPS	Total Depth of Well:	15.0 feet

Boring: BP-22B

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435			Bkgrd= 34/10000		Bkgrd= 0.0			MIP, PID, RAD, and Lithology data taken from BR-22A			
	0							TOPSOIL			2' x 2' x 0.5' CONCRETE PAD
430			58/10500					CLAY: brown, slightly plastic, damp, silty	CL		1" SCH 40 PVC RISER
	5										HIGH SOLIDS BENTONITE GROUT
425								CLAY: brown, slightly plastic, moist, silty	CL		SECONDARY FILTER PACK (100 Mesh)
	10		46/10200					CLAY: brown w/black mottling, slightly plastic, wet, silty	CL		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
420											
	15							Bottom of Hole 15.0'			
415											
	20										
410											
	25										
405											
	30										
400											
	35										
395											
	40										



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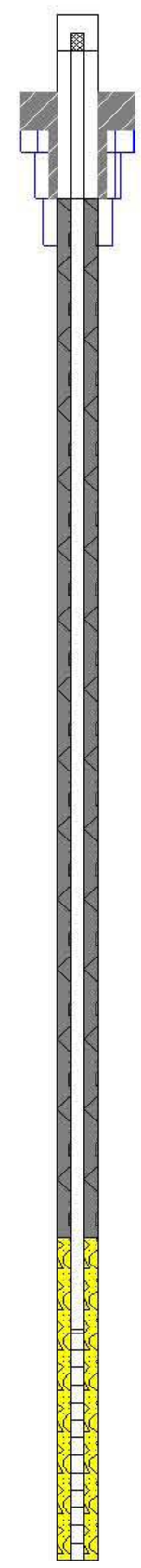
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BP-22B
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	432.23
Project:	Hematite Remedial Investigation	Northing:	864606.53
Date Started:	06/02/04	Easting:	826640.42
Date Finished:	06/02/04	Total Depth of Boring:	32.0 feet
Geologist:	J. Grupp	Top of Casing:	434.73
Drilling Contractor:	IPS	Total Depth of Well:	31.5 feet

Boring: CB-02

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435											
430	0	4.0/1.0	54/11281			CB-02-05-SL (4.0-6.0')		CLAY: brown, silty (FILL)			2' x 2' x 0.5' CONCRETE PAD
								CONCRETE			
425	5	4.0/4.0						CLAY: brown, slightly plastic, damp, trace fine sand	CL		1" SCH 40 PVC RISER
	10	4.0/4.0	52/11000					CLAY: brown, slightly plastic, damp	CL		
420	15	4.0/3.5	70/13100			CB-02-15-SL (14.0-16.0')		CLAY: brown w/gray mottling, slightly plastic, damp to moist w/fine to coarse sand 14.0-15.5	CL		HIGH SOLIDS BENTONITE GROUT
415	20	4.0/4.0	48/11500					CLAY: brown, plastic, moist to wet, trace fine gravel	CH		
410	25	4.0/4.0				CB-02-25-SL (24.0-26.0')		CLAY: dark gray, plastic, wet	CH		SECONDARY FILTER PACK (100 Mesh)
405	30	4.0/3.0	52/12200					CLAY: gray, plastic, wet, sandy	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		4.0/4.0						LIMESTONE: weathered			
400	35							Bottom of Hole 32.0'			
395	40										



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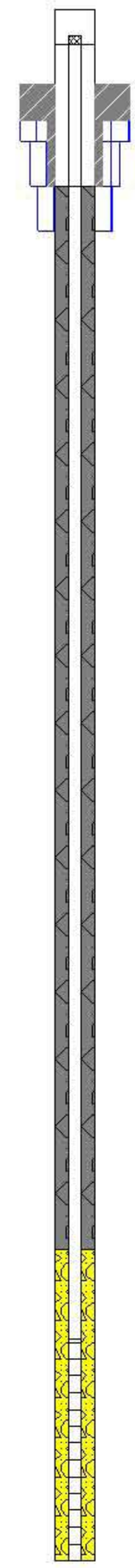
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	CB-02
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	DM-02	Surf. Elev:	434.78
Project:	Hematite Remedial Investigation	Northing:	864942.42
Date Started:	07/01/04	Easting:	827469.87
Date Finished:	07/02/04	Total Depth of Boring:	34.0 feet
Geologist:	J. Grupp	Top of Casing:	437.28
Drilling Contractor:	IPS	Total Depth of Well:	33.0 feet

Boring: DM-02

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 30/6000		Bkgrd= 0.7						
435	0	4.0/4.0	50/7200					CLAY: brown, slight plastic, damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
430	5	4.0/4.0	30/11000			DM-02-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, moist, silty	CL		
425	10	4.0/4.0	42/6800			DM-02-11-SL (10.0-12.0')		CLAY: tan w/black and gray mottling, plastic, damp to moist trace fine gravel below 16.0'	CL CH		HIGH SOLIDS BENTONITE GROUT
420	15	4.0/3.0									
415	20	4.0/3.0	45/7300			DM-02-17-SL (16.0-18.0')			CH		
		4.0/4.0	263/10000			DM-02-22-SL (21.0-23.0')		GRAVELLY CLAY: gray, plastic, moist	CH		
410	25	4.0/4.0	53/8000			DM-02-25-SL (24.0-26.0')		CLAY: gray, w/black and tan mottling, plastic, moist CLAY: gray w/tan mottling, plastic, moist	CH CH		SECONDARY FILTER PACK (100 Mesh)
405	30	4.0/4.0						CLAY: gray, plastic	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		2.0/2.0				DM-02-33-SL (32.0-34.0')		SAND: fine to coarse grained, wet	SW		
400	35							Bottom of Hole 34.0'			
395	40										



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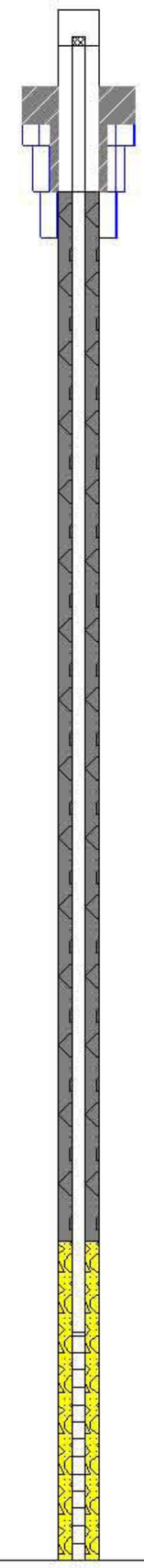
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	DM-02
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	433.45
Project:	Hematite Remedial Investigation	Northing:	864604.82
Date Started:	07/07/04	Easting:	827237.14
Date Finished:	07/07/04	Total Depth of Boring:	32.0 feet
Geologist:	J. Grupp	Top of Casing:	435.95
Drilling Contractor:	IPS	Total Depth of Well:	32.0 feet

Boring: EP-14

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435			Bkgrd= 55/6600		Bkgrd= 0.3						
	0	4.0/4.0	42/4800					TOPSOIL CLAY: brown, slightly plastic, moist to wet w/gravel and debris (FILL)	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
430	5	4.0/4.0				EP-14-05-SL (4.0-6.0')		CLAY: grayish to brown, slightly plastic, wet	CL		
425	10	4.0/4.0	44/5100					CLAY: brown w/gray mottling, slightly plastic, wet, silty	CL		HIGH SOLIDS BENTONITE GROUT
420	15	4.0/4.0				EP-14-13-SL (12.0-14.0')					
415	20	4.0/2.0	52/5600					CLAY: brown w/gray mottling, slightly plastic, wet, silty	CL		
410	25	4.0/2.5				EP-14-25-SL (24.0-26.0')					SECONDARY FILTER PACK (100 Mesh)
405	30	4.0/2.5	57/6100					CLAY: gray, plastic, wet	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		4.0/2.5				EP-14-31-SL (30.0-32.0')		SAND: fine to coarse grained w/fine gravel	SW		
400	35							Bottom of Hole 32.0'			
395	40										



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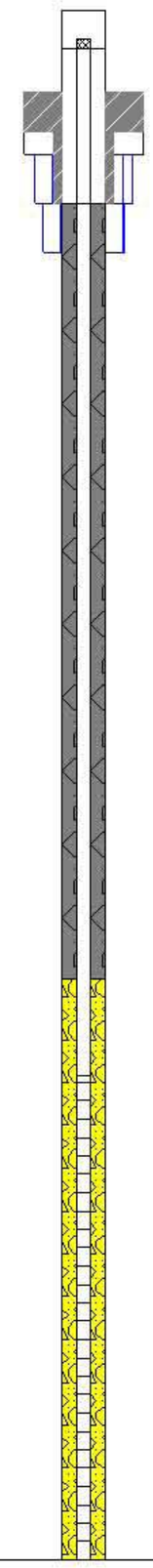
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	EP-14
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	EP-15	Surf. Elev:	431.75
Project:	Hematite Remedial Investigation	Northing:	864513.27
Date Started:	06/10/04	Easting:	827215.82
Date Finished:	06/18/04	Total Depth of Boring:	30.0 feet
Geologist:	J. Grupp	Top of Casing:	434.25
Drilling Contractor:	IPS	Total Depth of Well:	30.0 feet

Boring: EP-15

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
430	0	4.0/4.0	70/9200			EP-15-05-SL (4.0-6.0')		TOPSOIL: grayish brown, silty clay CLAY: brown to gray, slight plastic, damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
425	5	4.0/4.0									
420	10	4.0/4.0	76/8500								HIGH SOLIDS BENTONITE GROUT
415	15	4.0/4.0	50/9000			EP-15-13-SL (12.0-14.0')		CLAY: brown, slightly plastic, moist to wet, silty CLAY: brown, slightly plastic, wet, w/silt	CL CL		
410	20	4.0/4.0	44/8800								SECONDARY FILTER PACK (100 Mesh)
405	25	4.0/3.5	64/9200			EP-15-25-SL (24.0-26.0')		CLAY: brown, slightly plastic, wet, sandy SAND: brown, fine grained, wet CLAY: gray, plastic, wet, gravelly CLAY: gray, plastic, wet	CL SP GC CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	30	2.0/2.0				EP-15-29-SL (28.0-30.0')		CLAY: gray, moderate plastic, sandy Bottom of Hole 30.0'	CL		
395	35										
	40										



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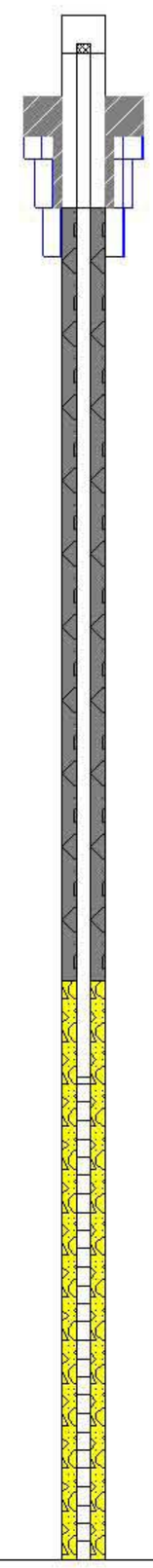
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	EP-15
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	431.74
Project:	Hematite Remedial Investigation	Northing:	864542.36
Date Started:	06/18/04	Easting:	827246.65
Date Finished:	06/18/04	Total Depth of Boring:	30.0 feet
Geologist:	J. Grupp	Top of Casing:	434.24
Drilling Contractor:	IPS	Total Depth of Well:	30.0 feet

Boring: EP-16

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 55/5600		Bkgrd= 0.3						
430	0	4.0/3.5	70/9700		N/A	EP-16-05-SL (4.0-6.0')		TOPSOIL CLAY: brown to gray, slightly plastic, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
425	5	4.0/4.0									
420	10	4.0/4.0	48/9600					CLAY: brown w/gray, slightly plastic, damp w/silt	CL		HIGH SOLIDS BENTONITE GROUT
415	15	4.0/4.0	52/8500			EP-16-15-SL (14.0-16.0')		CLAY: brown, slightly plastic, wet, silty	CL		SECONDARY FILTER PACK (100 Mesh)
410	20	4.0/3.0	56/8800					CLAY: brown, slightly plastic, wet w/ fine sand	CL		
405	25	4.0/4.0	62/8750					SAND: brown, fine, wet	SP		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		4.0/2.0				EP-16-27-SL (26.0-28.0')		NO RECOVERY GRAVEL: fine to coarse w/medium to coarse sand	GW		
		2.0/1.5						CLAY: gray, wet, gravelly	GC		
400	30							Bottom of Hole 30.0'			
395	35										
	40										



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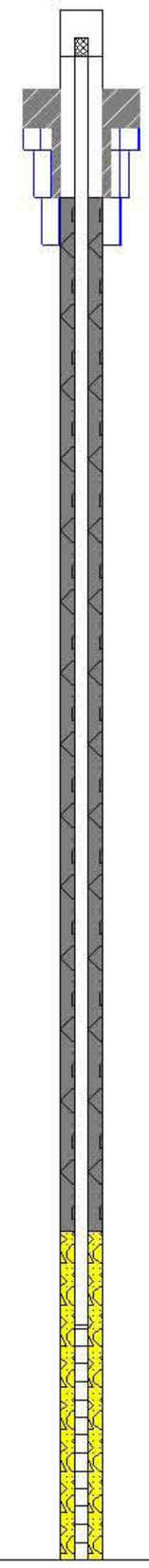
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	EP-16
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	433.67
Project:	Hematite Remedial Investigation	Northing:	864634.92
Date Started:	07/07/04	Easting:	827250.11
Date Finished:	07/08/04	Total Depth of Boring:	31.0 feet
Geologist:	J. Grupp	Top of Casing:	436.17
Drilling Contractor:	IPS	Total Depth of Well:	31.0 feet

Boring: EP-18A

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435			Bkgrd= 55/5600		Bkgrd= 0.3						
	0	4.0/4.0						TOPSOIL			2' x 2' x 0.5' CONCRETE PAD
430			76/5800					SILTY CLAY: brown w/gray, damp to wet, w/gravel and wood debris (Fill)			1" SCH 40 PVC RISER
	5	4.0/4.0						CLAY: brown mottling, slightly plastic, damp, silty	CL		
425						EP-18-09-SL (8.0-10.0')					
	10	4.0/4.0						CLAY: brown, slightly plastic, wet, gravelly			HIGH SOLIDS BENTONITE GROUT
			74/5600						CL		
420		4.0/0.0									
	15					EP-18-15-SL (14.0-16.0')					
		4.0/0.0						NO RECOVERY			
415											
	20		N/A								
		4.0/0.0									
410											
	25										SECONDARY FILTER PACK (100 Mesh)
		4.0/1.0									
			N/A					CLAY: gray, plastic, wet			
405		3.0/2.0				EP-18-29-SL (28.0-30.0')			CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
	30		68/5400					CLAY: gray, wet w/trace sand and fine gravel interbedded	CL		
400								Bottom of Hole 31'			
	35										
395											
	40										



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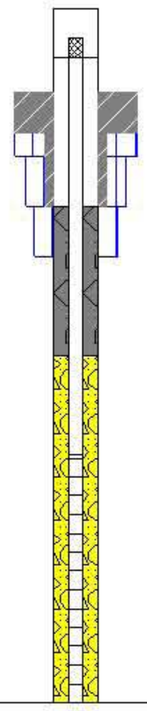
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	EP-18A
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	433.67
Project:	Hematite Remedial Investigation	Northing:	864634.92
Date Started:	07/08/04	Easting:	827250.11
Date Finished:	07/08/04	Total Depth of Boring:	12.0 feet
Geologist:	J. Grupp	Top of Casing:	436.17
Drilling Contractor:	IPS	Total Depth of Well:	12.0 feet

Boring: EP-18B

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435			Bkgrd= 55/5600		Bkgrd= 0.3			MIP, PID, RAD, and Lithology data taken from EP-18A			
	0							TOPSOIL			2' x 2' x 0.5' CONCRETE PAD
430			76/5800					SILTY CLAY: brown w/gray, damp to wet, w/gravel and wood debris (Fill)			1" SCH 40 PVC RISER HIGH SOLIDS BENTONITE GROUT
	5										SECONDARY FILTER PACK (100 Mesh)
425								CLAY: brown mottling, slightly plastic, damp, silty	CL		
	10		74/5600					CLAY: brown, slightly plastic, wet, gravelly	CL		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
420								Bottom of Hole 12.0'			
	15										
415											
	20										
410											
	25										
405											
	30										
400											
	35										
395											
	40										

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	EP-18B
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	432.32
Project:	Hematite Remedial Investigation	Northing:	864615.38
Date Started:	06/08/04	Easting:	827331.56
Date Finished:	06/21/04	Total Depth of Boring:	31.5 feet
Geologist:	J. Grupp	Top of Casing:	434.82
Drilling Contractor:	IPS	Total Depth of Well:	30.0 feet

Boring: EP-20

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435											
430	0	4.0/4.0	66/10200					TOPSOIL CLAY: brown, slightly plastic, damp, silty			2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
425	5	4.0/4.0				EP-20-05-SL (4.0-6.0')			CL		
		4.0/4.0	40/9600								
420	10	4.0/4.0						CLAY: brown, slightly plastic, wet, silty			HIGH SOLIDS BENTONITE GROUT
415	15	4.0/4.0	44/9700			EP-20-15-SL (14.0-16.0')			CL		
		4.0/4.0						CLAY: brown, slightly plastic, wet, w/some silt	CL		SECONDARY FILTER PACK (100 Mesh)
410	20	4.0/4.0	44/9600					CLAY: brownish gray, plastic, wet w/ fine sand below 27.0'	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
405	25	4.0/4.0	50/9400			EP-20-25-SL (24.0-26.0')		CLAY: grayish brown, slightly plastic, moist, w/silt	CL		
400	30	3.5/3.0						Bottom of Hole 31.5'			
395	35										
	40										

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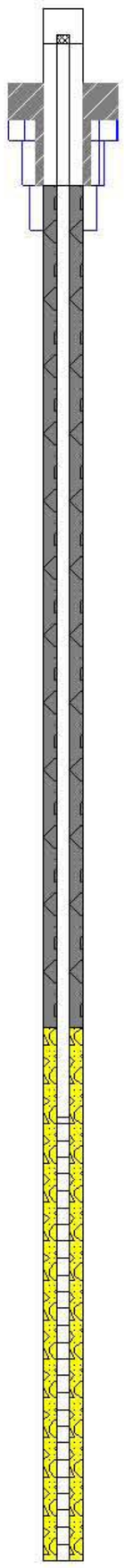
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	EP-20
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	435.68
Project:	Hematite Remedial Investigation	Northing:	864522.95
Date Started:	07/16/04	Easting:	827159.97
Date Finished:	07/19/04	Total Depth of Boring:	38.0 feet
Geologist:	J. Grupp	Top of Casing:	438.18
Drilling Contractor:	IPS	Total Depth of Well:	33.0 feet

Boring: LF-08

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 20/4000		Bkgrd= 0.5						
435	0	4.0/4.0	48/5000			LF-08-03-SL (2.0-4.0')		CONCRETE			2' x 2' x 0.5' CONCRETE PAD
								CLAY: olive green, slightly plastic, dry to damp, silty (FILL)	CL		1" SCH 40 PVC RISER
430	5					LF-08-05-SL (4.0-6.0')					
		4.0/4.0	48/4600					CLAY: olive gray to brown, slightly plastic, damp, silty, slight odor	CL		
425	10							CLAY: silty, brown, slightly plastic, damp	CL		
		4.0/4.0						CLAY: brown w/gray mottling, slightly plastic, damp, silty	CL		HIGH SOLIDS BENTONITE GROUT
420	15	4.0/3.5	50/4400			LF-08-15-SL (14.0-16.0')					
415	20	4.0/4.0				LF-08-21-SL (20.0-22.0')					SECONDARY FILTER PACK (100 Mesh)
410	25	4.0/3.0	46/4700					SANDY CLAY: brown, slightly plastic, damp	CL		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
								SAND: brown, fine grained, moist to wet	SP		
405	30	4.0/2.5						GRAVEL: fine w/coarse sand, wet	GP		
								CLAY: gray, plastic, wet	CH		
400	35	3.0/2.0	44/4500					GRAVEL: brown, fine to coarse, w/fine to coarse sand	GW		
		2.0/2.0				LF-08-37-SL (36.0-38.0')					
	40							Bottom of Hole 38.0'			



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	LF-08
Sheet:	1 of 1

Boring: LF-09

Client	Westinghouse Electric Company
Location:	Hematite, MO
Project:	Hematite Remedial Investigation
Date Started:	07/16/04
Date Finished:	07/16/04
Geologist:	J. Grupp
Drilling Contractor:	IPS

Drilling Method:	Direct Push
Surf. Elev:	435.58
Northing:	864561.93
Easting:	827117.53
Total Depth of Boring:	35.0 feet
Top of Casing:	440.58
Total Depth of Well:	35.0 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 40/4500		Bkgrd= 0.3						
435	0	4.0/3.0				LF-09-03-SL (2.0-4.0')		CONCRETE			2' x 2' x 0.5' CONCRETE PAD
			57/4500					CLAY: olivegray, slightly plastic, moist, silty w/brick and gravel, organic odor (FILL)			1" SCH 40 PVC RISER
430	5	4.0/4.0									
								GRAVEL: brown, fine, clean (FILL)			
425	10	4.0/3.0						GRAVELLY CLAY: grayish brown (FILL)			HIGH SOLIDS BENTONITE GROUT
			30/4500					CLAY: brown to gray, slightly plastic, moist			
		4.0/1.0							CL		
420	15	4.0/4.0				LF-09-17-SL (16.0-18.0')		CLAY: brown w/gray mottling, slightly plastic, wet	CL		SECONDARY FILTER PACK (100 Mesh)
415	20	4.0/2.0	54/4300					CLAY: brown, slightly plastic, moist, silty	CL		
410	25	4.0/3.0	44/4200			LF-09-25-SL (24.0-26.0')		CLAY: gray, slightly plastic w/silt	SC		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
405	30	4.0/2.0	45/4500			LF-09-31-SL (30.0-32.0')		SAND: gray, fine w/fine gravel	SP		
		3.0/0.0						NO RECOVERY			
400	35							Bottom of Hole 35.0'			
	40										

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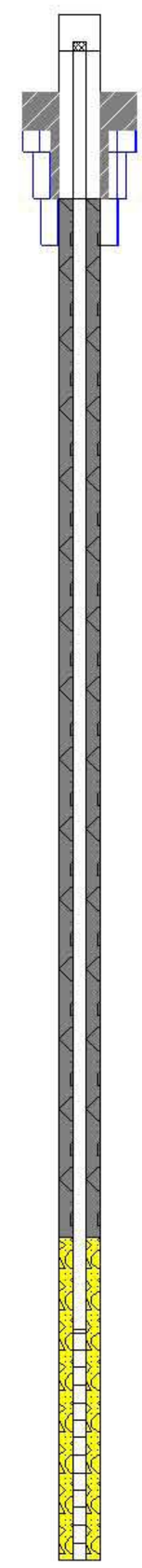
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	LF-09
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	431.25
Project:	Hematite Remedial Investigation	Northing:	864720.30
Date Started:	06/03/04	Easting:	827695.04
Date Finished:	06/03/04	Total Depth of Boring:	34.0 feet
Geologist:	J. Grupp	Top of Casing:	433.75
Drilling Contractor:	IPS	Total Depth of Well:	31.5 feet

Boring: NB-30 (P2-4)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
430	0	4.0/4.0	54/9700			NB-30-05-SL (4.0-6.0')		CLAY: brown, non-plastic, damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER
425	5	4.0/3.0									
420	10	4.0/4.0	53/8900					CLAY: brown, slightly plastic, wet, silty	CL		HIGH SOLIDS BENTONITE GROUT
415	15	4.0/4.0	51/8800			NB-30-15-SL (14.0-16.0')					
410	20	4.0/4.0	41/8650					CLAY: brown, plastic, wet, trace fine gravel	CH		
		4.0/1.5						CLAY: brown to gray, plastic, wet	CH		
								NO RECOVERY			
405	25	4.0/2.0	85/7900			NB-30-25-SL (24.0-26.0')		CLAY: brown to gray, plastic, wet	CH		SECONDARY FILTER PACK (100 Mesh)
								NO RECOVERY			1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	30	4.0/2.0	36/8200					CLAY: gray, plastic, wet w/sand	CH		
								GRAVEL: fine to coarse with coarse sand			
		2.0/2.0				NB-30-33-SL (32.0-34.0')		GRAVEL: fine to coarse with medium to coarse sands	GW		
395	35							Bottom of Hole 34.0'			
	40										



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-30
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	433.81
Project:	Hematite Remedial Investigation	Northing:	864713.58
Date Started:	06/03/04	Easting:	827582.73
Date Finished:	06/17/04	Total Depth of Boring:	33.0 feet
Geologist:	J. Grupp	Top of Casing:	436.31
Drilling Contractor:	IPS	Total Depth of Well:	32.0 feet

Boring: NB-31 (P2-3)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 125	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435											
	0							FILL: DGA			2' x 2' x 0.5' CONCRETE PAD
		4.0/2.0	32/5800					CLAY: brown, slightly plastic, moist to wet, silty			1" SCH 40 PVC RISER
430											
	5					NB-31-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, damp to moist, silty			
425			60/6000						CL		
	10	4.0/4.0									HIGH SOLIDS BENTONITE GROUT
420		4.0/4.0									
	15		40/6100			NB-31-15-SL (14.0-16.0')					
		4.0/4.0						CLAY: brown, slightly plastic, wet, trace silt	CL		
415											
	20		72/6000						CL		SECONDARY FILTER PACK (100 Mesh)
		4.0/4.0						CLAY: dark brown, plastic, wet, trace fine gravel	CH		
410											
	25	4.0/4.0	42/6200			NB-31-25-SL (24.0-26.0')		CLAY: grayish brown, plastic, wet, fine gravel	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
405								CLAY: dark gray, plastic, wet, fine gravel	CH		
	30	4.0/4.0									
			36/5600			NB-31-32-SL (31.0-33.0')		SAND: gray, fine grained, wet	SP		
		1.0/1.0						GRAVEL: fine to coarse w/ med. to coarse sand	GW		
400								Bottom of Hole 33.0'			
	35										
395											
	40										

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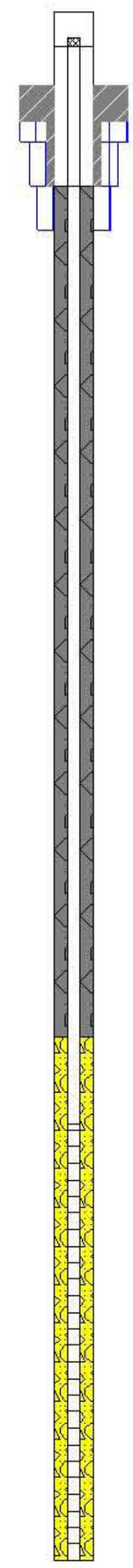
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-31
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	431.79
Project:	Hematite Remedial Investigation	Northing:	864580.46
Date Started:	06/04/04	Easting:	827466.77
Date Finished:	06/15/04	Total Depth of Boring:	34.0 feet
Geologist:	J. Grupp	Top of Casing:	434.29
Drilling Contractor:	IPS	Total Depth of Well:	33.5 feet

Boring: NB-32 (P2-8)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
430	0	4.0/3.0	42/5700					GRAVEL: fill			2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
								CLAY: brown, moist, slightly plastic, silty	CL		
425	5	4.0/4.0				NB-32-5-SL (4.0-6.0')		CLAY: brown, w/ gray mottling, slightly plastic, wet, silty, strong organic odor	CL		
420	10	4.0/4.0	60/6000					CLAY: brown, slightly plastic, wet, silty	CL		HIGH SOLIDS BENTONITE GROUT
415	15	4.0/4.0	40/5000			NB-32-15-SL (14.0-16.0')		CLAY: brown, slightly plastic, wet (saturated) w/ some silt	CL		
410	20	4.0/4.0	48/5400					CLAY: dark brown, plastic, wet	CH		SECONDARY FILTER PACK (100 Mesh)
405	25	4.0/3.0	44/5400			NB-32-27-SL (26.0-28.0')		CLAY: grayish brown, plastic, wet	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	30	4.0/4.0	35/6008					CLAY: gray, plastic, wet, w/ fine sand	CH		
								CLAY: gray, sandy, trace fine gravel	CL		
		2.0/2.0						CLAY: gray, plastic, wet	CH GW		
395	35							GRAVEL: fine to coarse w/coarse sand			
	40							Bottom of Hole 34.0'			



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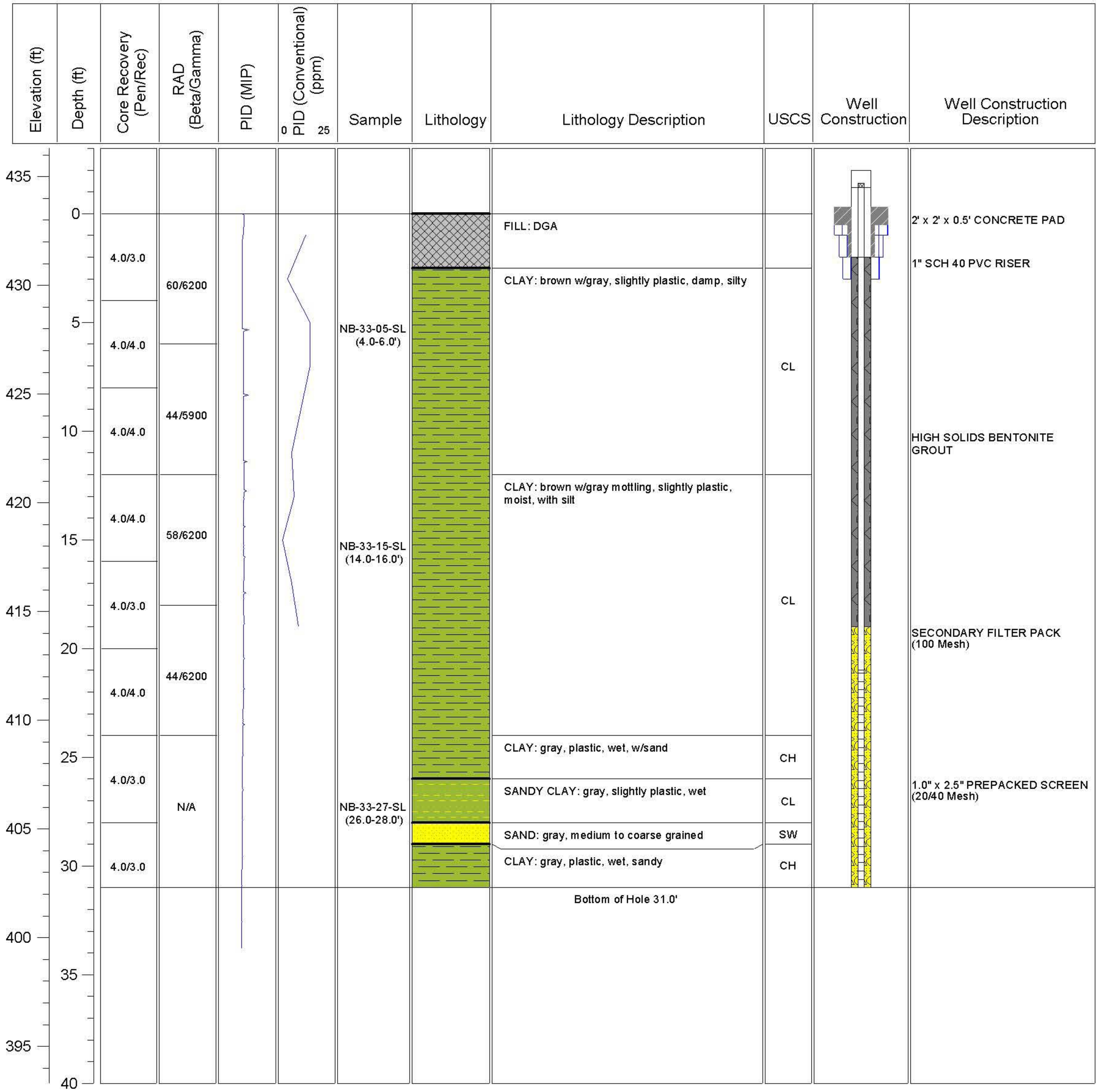
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-32
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	433.30
Project:	Hematite Remedial Investigation	Northing:	864489.21
Date Started:	06/04/04	Easting:	827369.68
Date Finished:	06/04/04	Total Depth of Boring:	31.0 feet
Geologist:	J. Grupp	Top of Casing:	435.80
Drilling Contractor:	IPS	Total Depth of Well:	31.0 feet

Boring: NB-33 (P2-13)



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-33
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	432.92
Project:	Hematite Remedial Investigation	Northing:	864377.18
Date Started:	06/04/04	Easting:	827314.42
Date Finished:	06/17/04	Total Depth of Boring:	32.0 feet
Geologist:	J. Grupp	Top of Casing:	435.42
Drilling Contractor:	IPS	Total Depth of Well:	32.0 feet

Boring: NB-34 (P2-14)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435											
	0							GRAVEL: w/silty clay (FILL)			2' x 2' x 0.5' CONCRETE PAD
430		4.0/4.0	58/5400					CLAY: brown, slightly plastic, dry silty	CL		1" SCH 40 PVC RISER
	5	4.0/4.0				NB-34-05-SL (4.0-6.0')		CLAY: brown w/ gray, slightly plastic, silty	CL		
425		4.0/4.0	54/6000					CLAY: brown w/ gray mottling , slightly plastic, moist, silty			
	10	4.0/4.0							CL		HIGH SOLIDS BENTONITE GROUT
420		4.0/4.0	42/6100								
	15					NB-34-15-SL (14.0-16.0')		CLAY: brown, slightly plastic, moist to wet, w/some silt	CL		
415		4.0/4.0									
	20	4.0/4.0	38/6100					CLAY: brown, slightly plastic, wet, sandy	CL		SECONDARY FILTER PACK (100 Mesh)
410								SAND: brown, wet, fine to medium grained	SW		
	25	4.0/3.0	44/6100			NB-34-25-SL (24.0-26.0')		SAND: brown, fine, wet, w/ fine gravel, w/ 2" clay seams	SW		
405								GRAVEL: brown, wet, fine to coarse w/coarse sand, 0.5" clay seam 30.0-30.5'	GW		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
	30	4.0/4.0	38/6200								
400								Bottom of Hole 32.0'			
	35										
395											
	40										

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-34
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	431.46
Project:	Hematite Remedial Investigation	Northing:	864511.76
Date Started:	06/07/04	Easting:	827553.94
Date Finished:	06/07/04	Total Depth of Boring:	29.0 feet
Geologist:	J. Grupp	Top of Casing:	433.96
Drilling Contractor:	IPS	Total Depth of Well:	29.0 feet

Boring: NB-35 (P2-9)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
430	0	4.0/3.5	62/10500			NB-35-01-SL (0.0-2.0')		CLAY: brown, slightly plastic, moist, silty	CL		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER
425	5	4.0/4.0									
420	10	4.0/4.0	40/9800								HIGH SOLIDS BENTONITE GROUT
415	15	4.0/4.0	53/9755			NB-35-15-SL (14.0-16.0')		CLAY: brown, slightly plastic, moist to wet, silty	CL		
410	20	4.0/4.0	47/10101					CLAY: dark brown, plastic, wet	CH		SECONDARY FILTER PACK (100 Mesh)
405	25	4.0/4.0	42/9800			NB-35-25-SL (24.0-26.0')		CLAY: gray, plastic, wet, w/fine sand	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		1.0/1.0						GRAVEL: gray, fine to coarse w/coarse sand, wet	GW		
400	30							Bottom of Hole 29.0'			
395	35										
	40										

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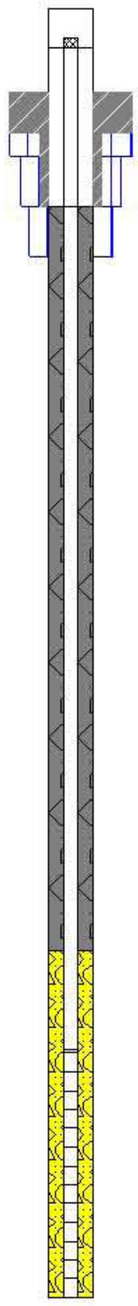
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-35
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	426.70
Project:	Hematite Remedial Investigation	Northing:	864438.84
Date Started:	06/07/04	Easting:	827721.24
Date Finished:	06/07/04	Total Depth of Boring:	28.0 feet
Geologist:	J. Grupp	Top of Casing:	429.20
Drilling Contractor:	IPS	Total Depth of Well:	24.0 feet

Boring: NB-36 (P2-10)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
425	0	4.0/4.0	52/9100					CLAY: brown, slightly plastic, damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
420	5	4.0/4.0				NB-36-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, moist, silty	CL		
415	10	4.0/4.0	40/9000					CLAY: brown, slightly plastic, wet, silty	CL		HIGH SOLIDS BENTONITE GROUT
410	15	4.0/4.0	42/9600			NB-36-15-SL (14.0-16.0')		CLAY: dark brown, plastic, wet	CH		
405	20	4.0/4.0	46/9750					CLAY: brownish gray, plastic, wet	CH		SECONDARY FILTER PACK (100 Mesh) 1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	25	4.0/2.0	47/9400			NB-36-25-SL (24.0-26.0')		CLAY: gray, plastic, wet, trace fine sand	CH		
								CLAY: brownish gray, slightly plastic, wet, w/fine to coarse gravel and coarse sand	CL		
395	30							Bottom of Hole 28.0'			
390	35										
	40										



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-36
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	431.47
Project:	Hematite Remedial Investigation	Northing:	864750.26
Date Started:	06/08/04	Easting:	828124.60
Date Finished:	07/12/04	Total Depth of Boring:	31.0 feet
Geologist:	J. Grupp	Top of Casing:	433.97
Drilling Contractor:	IPS	Total Depth of Well:	31.0 feet

Boring: NB-38 (P2-7)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
430	0							GRAVEL: fill			2' x 2' x 0.5' CONCRETE PAD
		4.0/3.0						CLAY: brown, slightly plastic, dry, silty, trace roots	CL		1" SCH 40 PVC RISER
425	5	4.0/4.0	45/5000								
420	10	4.0/4.0	60/5100			NB-38-09-SL (8.0-10.0')		CLAY: brown, damp, slightly plastic, silty	CL		HIGH SOLIDS BENTONITE GROUT
415	15	4.0/4.0				NB-38-15-SL (14.0-16.0')		CLAY: brown, slightly plastic, damp to moist, silty	CL		
		4.0/4.0	44/5200					CLAY: brown, slightly plastic, moist to wet, silty	CL		
410	20	4.0/4.0	48/5400					CLAY: brown, slightly plastic, wet, trace silt	CL		SECONDARY FILTER PACK (100 Mesh)
								CLAY: grayish brown, slightly plastic, wet, sandy	CL		
405	25	4.0/4.0				NB-38-25-SL (24.0-26.0')		CLAY: grayish brown, plastic, wet, w/ sand	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
			30/2800					CLAY: brownish gray, plastic, wet	CH		
400	30	3.0/3.0						CLAY: gray, plastic, w/ fine sand interbedded	CH		
								Bottom of Hole 31.0'			
395	35										
	40										

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-38
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	432.76
Project:	Hematite Remedial Investigation	Northing:	864704.94
Date Started:	06/09/04	Easting:	827440.55
Date Finished:	06/17/04	Total Depth of Boring:	31.0 feet
Geologist:	J. Grupp	Top of Casing:	435.26
Drilling Contractor:	IPS	Total Depth of Well:	31.0 feet

Boring: NB-39 (P2-2)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435											
430	0	4.0/4.0	26/4900					TOPSOIL: grayish brown, silty clay			2' x 2' x 0.5' CONCRETE PAD
								CLAY: brown, slightly plastic, moist, silty	CL		1" SCH 40 PVC RISER
425	5	4.0/4.0				NB-39-05-SL (4.0-6.0')		CLAY: brown w/gray mottling, slightly plastic, moist, silty	CL		
	10	4.0/4.0	34/5000					CLAY: brown, slightly plastic, wet, silty	CL		HIGH SOLIDS BENTONITE GROUT
420	15	4.0/4.0	22/5000			NB-39-15-SL (14.0-16.0')		CLAY: brown, slightly plastic to plastic, wet w/ silt	CL/CH		
415	20	4.0/4.0	26/5000								SECONDARY FILTER PACK (100 Mesh)
410	25	4.0/4.0	52/5000			NB-39-25-SL (24.0-26.0')		CLAY: brownish gray, plastic, wet	CH		
405	30	3.0/3.0						CLAY: gray, plastic, wet, trace fine gravel	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
								CLAY: gray, plastic, w/ fine sand interbedded	CH		
								GRAVEL: fine to coarse w/med. to coarse sand	GW		
400								Bottom of Hole 31.0'			
395	35										
	40										

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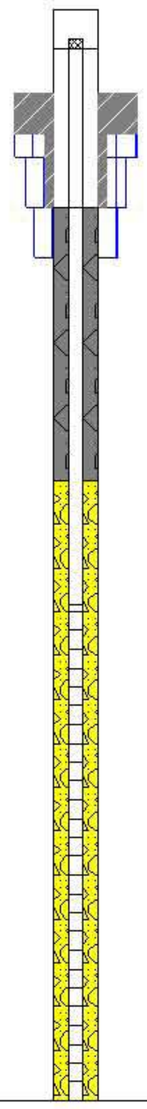
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-39
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	418.67
Project:	Hematite Remedial Investigation	Northing:	864098.80
Date Started:	06/11/04	Easting:	827415.66
Date Finished:	07/20/04	Total Depth of Boring:	20.0 feet
Geologist:	J. Grupp	Top of Casing:	421.17
Drilling Contractor:	IPS	Total Depth of Well:	20.0 feet

Boring: NB-44 (P2-16)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
420											
	0	4.0/3.0	54/5600			NB-44-05-SL (4.0-6.0')		CLAY: brown, slightly platic, damp, silty, trace fine sand	CL		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER
415	5	4.0/2.0						SANDY CLAY: brown	CL		HIGH SOLIDS BENTONITE GROUT
								GRAVEL: brown, fine	GP		SECONDARY FILTER PACK (100 Mesh)
410	10	4.0/2.0	30/5600			NB-44-11-SL (10.0-12.0')		GRAVEL: brown, moist to wet, fine w/ coarse, w/medium sand	GW		
405	15	4.0/1.0						CLAY: gray, plastic, wet	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	20	4.0/1.0	35/5800			NB-44-18-SL (17.0-19.0')		GRAVEL: gray, wet, fine to coarse w/ medium to coarse sand	GW		
								Bottom of Hole 20.0'			
395	25										
390	30										
385	35										
380	40										



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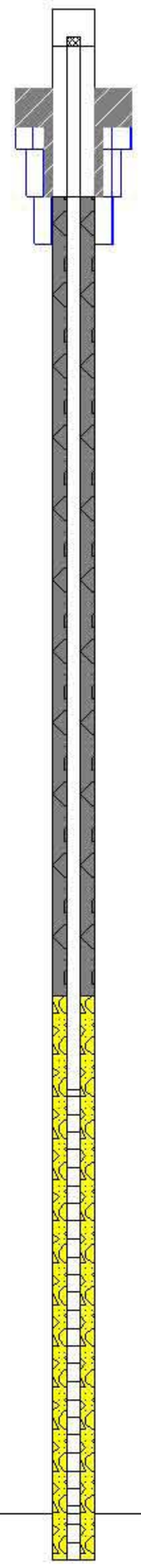
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-44
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	430.82
Project:	Hematite Remedial Investigation	Northing:	865595.03
Date Started:	06/15/04	Easting:	827912.33
Date Finished:	07/14/04	Total Depth of Boring:	30.0 feet
Geologist:	John Grupp	Top of Casing:	433.32
Drilling Contractor:	IPS	Total Depth of Well:	32.0 feet

Boring: NB-46 (P2-23)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
430	0	4.0/4.0	N/A					CLAY: brown, slightly plastic, moist, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
425	5	4.0/4.0						CLAY: brown w/gray mottling, slightly plastic, moist, sitly	CL		
420	10	4.0/4.0				NB-46-9-SL (8.0-10.0)		CLAY: brown, slightly plastic, w/ brown fine gravel and trace fine sand	CL		HIGH SOLIDS BENTONITE GROUT
415	15	4.0/0.0						NO RECOVERY			
		4.0/4.0				NB-46-17-SL (16.0-18.0)		CLAY: brown, slightly plastic, wet, gravelly w/ fine sand and gravel	CL		
								CLAY: brown, plastic, wet w/ fine sand	CH		SECONDARY FILTER PACK (100 Mesh)
410	20	4.0/4.0						CLAY: gray, plastic, wet	CH		
405	25	4.0/4.0				NB-46-25-SL (24.0-26.0)					1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		2.0/2.0				NB-46-29-SL (28.0-30.0)		SANDY CLAY: gray, wet	CL		
400	30							SAND: gray, wet, fine to coarse grained w/clay lenses	SW		
								Bottom of Hole 30.0'			
395	35										
	40										



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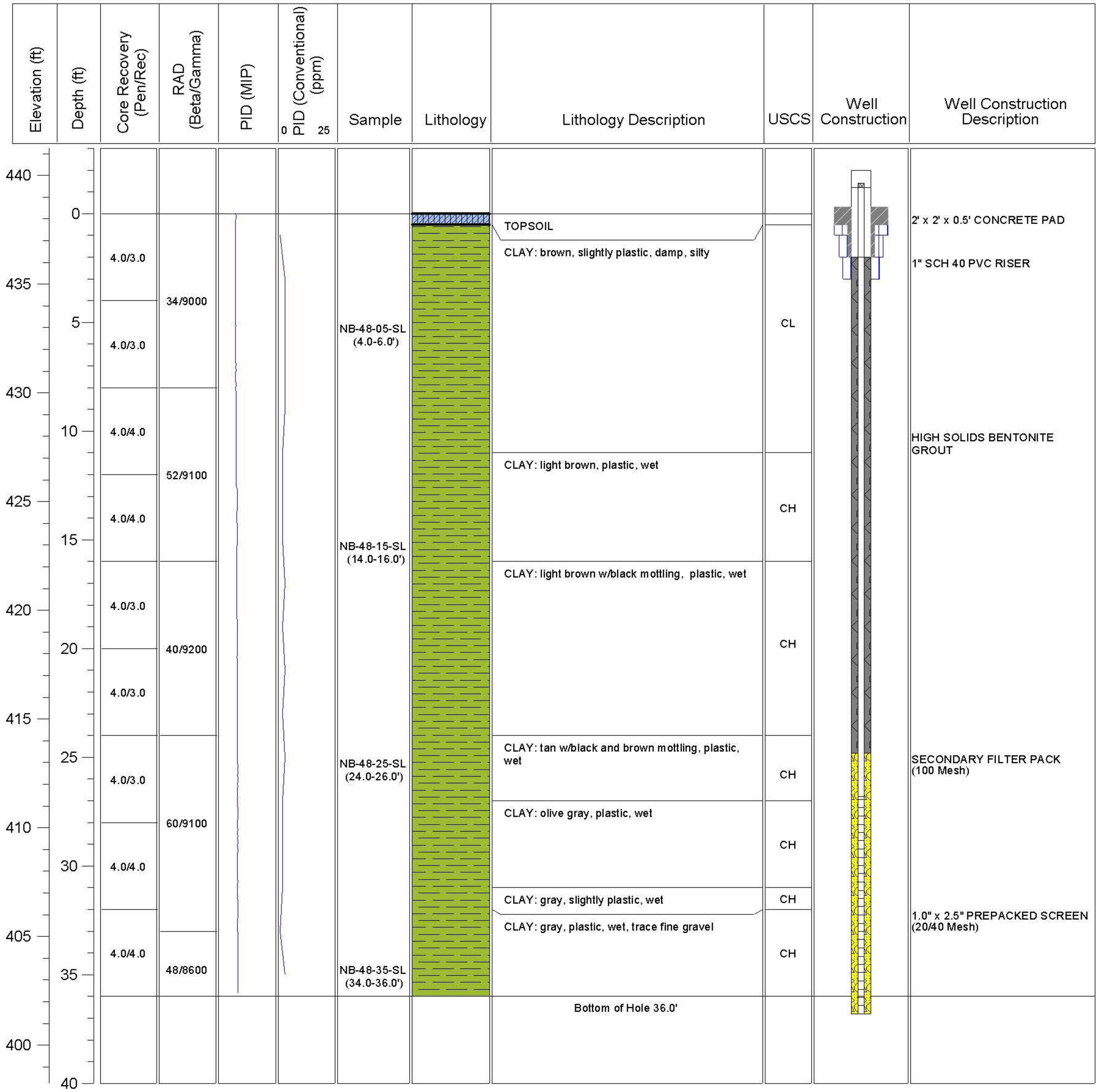
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-46
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	438.24
Project:	Hematite Remedial Investigation	Northing:	865183.93
Date Started:	06/21/04	Easting:	827112.29
Date Finished:	06/21/04	Total Depth of Boring:	36.0 feet
Geologist:	J. Grupp	Top of Casing:	440.74
Drilling Contractor:	IPS	Total Depth of Well:	36.8 feet

Boring: NB-48 (P2-62)



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-48
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	437.59
Project:	Hematite Remedial Investigation	Northing:	865103.73
Date Started:	06/22/04	Easting:	827079.22
Date Finished:	06/22/04	Total Depth of Boring:	38.5 feet
Geologist:	J. Grupp	Top of Casing:	440.09
Drilling Contractor:	IPS	Total Depth of Well:	38.4 feet

Boring: NB-50 (P2-60)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
440			Bkgrd= 48/8200		Bkgrd=0.2						
	0	4.0/4.0						TOPSOIL			2' x 2' x 0.5' CONCRETE PAD
435			58/8900					CLAY: brown, slightly plastic, moist sitly			1" SCH 40 PVC RISER
	5	4.0/4.0				NB-50-05-SL (4.0-6.0')			CL		
430											
	10	4.0/4.0									HIGH SOLIDS BENTONITE GROUT
425			72/8800					CLAY: brown, slightly plastic wet, silty	CL		
	15	4.0/4.0				NB-50-15-SL (14.0-16.0')		CLAY: tan w/black mottling, plastic, wet	CL		
420		4.0/4.0						CLAY: tan w/gray and brown mottling, plastic, moist, trace fine gravel			
	20	4.0/4.0	58/9000						CH		
415											
	25	4.0/4.0	46/8800			NB-50-25-SL (24.0-26.0')		CLAY: grayish brown, plastic, damp	CH		SECONDARY FILTER PACK (100 Mesh)
410											
	30	4.0/0.0						NO RECOVERY			
405		4.0/4.0						CLAY: grayish brown to gray, plastic, moist, trace fine gravel and silt			1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
	35		47/8700						CH		
400		2.5/2.5				NB-50-37-SL (36.0-38.0')		SAND: gray, fine to coarse w/fine gravel	SW		
	40							Bottom of Hole 38.5'			

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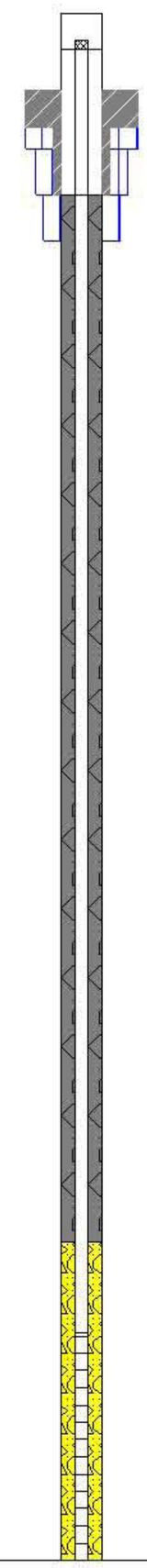
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-50
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	432.88
Project:	Hematite Remedial Investigation	Northing:	864661.45
Date Started:	06/24/04	Easting:	826838.59
Date Finished:	06/24/04	Total Depth of Boring:	32.0 feet
Geologist:	J. Grupp	Top of Casing:	435.38
Drilling Contractor:	IPS	Total Depth of Well:	32.0 feet

Boring: NB-54 (P2-66)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435			Bkgrd= 25/3800								
430	0	4.0/4.0	34/4200					ASPHALT GRAVEL: w/ brown silty clay (FILL) CLAY: brown, slightly plastic, dry, w/ silt	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
425	5	4.0/4.0				NB-54-05-SL (4.0-6.0')		CLAY: brown, slight plastic, damp, silty	CL		HIGH SOLIDS BENTONITE GROUT
420	10	4.0/4.0	52/4200					CLAY: brown w/ blk & gray mottling, slightly plastic, damp to moist, silty	CL		
415	15	4.0/4.0	42/4600			NB-54-13-SL (12.0-14.0')		CLAY: brown w/ gray mottling, slightly plastic, wet CLAY: grayish brown, plastic	CL CH		
410	20	4.0/3.0						CLAY: gray, plastic, wet	CH		
405	25	4.0/3.5	46/4300			NB-54-25-SL (24.0-26.0')		SANDY CLAY: gray, slightly plastic, wet	CL		SECONDARY FILTER PACK (100 Mesh)
400	30	4.0/3.5				NB-54-31-SL (30.0-32.0')		SAND: gray, fine to coarse grained w/ coarse sand GRAVEL: fine to coarse with coarse sand Bottom of Hole 32.0'	SW GW		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
395	35										
	40										



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-54
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	434.75
Project:	Hematite Remedial Investigation	Northing:	864934.42
Date Started:	06/24/04	Easting:	827046.38
Date Finished:	06/24/04	Total Depth of Boring:	35.0 feet
Geologist:	J.Grupp	Top of Casing:	437.25
Drilling Contractor:	IPS	Total Depth of Well:	35.0 feet

Boring: NB-56 (P2-72)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 37/4700		Bkgrd=0.2						
435	0							ASPHALT			2' x 2' x 0.5' CONCRETE PAD
		4.0/3.5						GRAVEL: fill			1" SCH 40 PVC RISER
			48/5600					CLAY: brown, slight plastic, damp, silty			
430	5	4.0/4.0				NB-56-05-SL (4.0-6.0')			CL		
425	10	4.0/4.0									HIGH SOLIDS BENTONITE GROUT
			38/5300					CLAY: brown, slightly plastic, wet, silty, trace fine gravel			
		4.0/4.0				NB-56-13-SL (12.0-14.0')			CL		
420	15										
		4.0/0.0						NO RECOVERY			
415	20										
		4.0/4.0	44/5200					CLAY: brown, slightly plastic, wet, trace silt	CL		
								CLAY: brownish gray, plastic, wet	CH		
410	25	4.0/4.0				NB-56-25-SL (24.0-26.0')		CLAY: gray, plastic, wet	CH		
			38/5200					CLAY: gray, plastic, wet, trace fine sand intermixed			SECONDARY SAND PACK (100 mesh)
405	30	4.0/4.0							CH		
		3.0/3.0	44/5600								1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	35					NB-56-33-SL (32.0-34.0')		GRAVEL: fine coarse w/ coarse sand	GW		
								Bottom of Hole 35'			
395	40										

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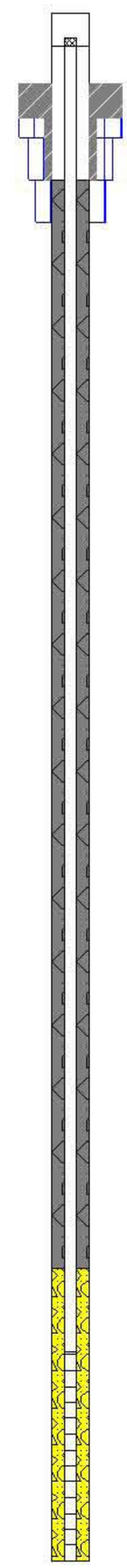
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-56
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	435.64
Project:	Hematite Remedial Investigation	Northing:	864923.74
Date Started:	06/25/04	Easting:	826896.13
Date Finished:	06/25/04	Total Depth of Boring:	35.5 feet
Geologist:	J. Grupp	Top of Casing:	438.14
Drilling Contractor:	IPS	Total Depth of Well:	35.0 feet

Boring: NB-57A (P2-69A)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 31/4400		Bkgrd=0.4						
435	0	4.0/4.0	36/4400			NB-57-05-SL (4.0-6.0')		ASPHALT; FILL; CLAY: brown, slightly plastic, dry, silty	CL		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER
430	5	4.0/4.0						CLAY: brown, slightly plastic, damp, silty	CL		
425	10	4.0/4.0	42/4400						CL		HIGH SOLIDS BENTONITE GROUT
420	15	4.0/4.0				NB-57-15-SL (14.0-16.0')			CL		
		4.0/4.0	40/3800						CL		
415	20	4.0/0.0						NO RECOVERY			
410	25	4.0/0.0									
405	30	4.0/3.0	36/4100			NB-57-29-SL (28.0-30.0')		CLAY: gray, plastic, wet	CH		SECONDARY FILTER PACK (100 Mesh)
		4.0/2.5	32/4600					CLAY: gray, plastic, wet, trace fine gravel w/organics			1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	35					NB-57-34-SL (33.0-35.0')		SAND: gray, fine grained w/fine to coarse gravel	SP		
	40							Bottom of Hole 35.5'			



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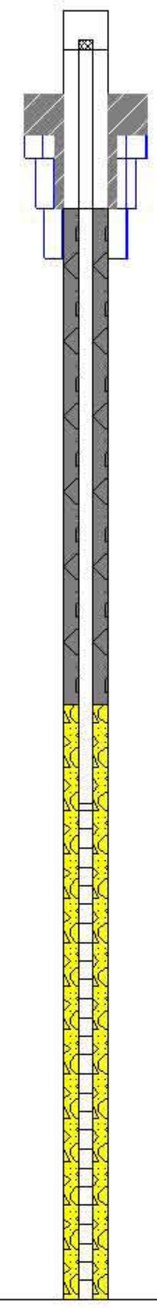
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-57A
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	435.59
Project:	Hematite Remedial Investigation	Northing:	864922.14
Date Started:	06/25/04	Easting:	826897.33
Date Finished:	06/25/04	Total Depth of Boring:	24.0 feet
Geologist:	J. Grupp	Top of Casing:	438.09
Drilling Contractor:	IPS	Total Depth of Well:	24.0 feet

Boring: NB-57B (P2-69B)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 31/4400		Bkgrd=0.4			MIP, PID, RAD, and Lithology data taken from NB-57A			
435	0							ASPHALT			2' x 2' x 0.5' CONCRETE PAD
								FILL	CL		1" SCH 40 PVC RISER
								CLAY: brown, slightly plastic, dry, silty			
			36/4400					CLAY: brown, slightly plastic, damp, silty			
430	5								CL		HIGH SOLIDS BENTONITE GROUT
425	10								CL		
			42/4400								SECONDARY FILTER PACK (100 Mesh)
									CL		
420	15										
			40/3800						CL		
415	20							NO RECOVERY			1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
410	25							Bottom of Hole 24.0'			
405	30										
400	35										
	40										



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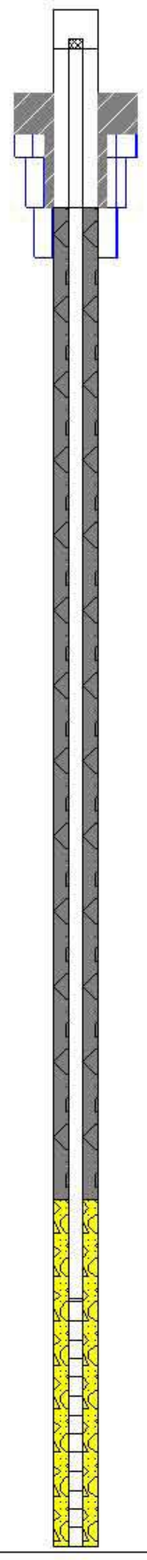
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-57B
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	429.76
Project:	Hematite Remedial Investigation	Northing:	864995.63
Date Started:	06/28/04	Easting:	827917.12
Date Finished:	06/28/04	Total Depth of Boring:	29.0 feet
Geologist:	J. Grupp	Top of Casing:	432.26
Drilling Contractor:	IPS	Total Depth of Well:	29.0 feet

Boring: NB-61 (P2-25)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 61/10228								
430	0	4.0/4.0	56/10400					TOPSOIL CLAY: brown, slightly plastic, damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
425	5	4.0/4.0				NB-61-05-SL (4.0-6.0')		CLAY: brown w/black, slightly plastic, damp to moist, silty	CL		
420	10	4.0/4.0	70/10200					CLAY: brown w/black, slightly plastic, moist to wet, trace fine gravel	CL		HIGH SOLIDS BENTONITE GROUT
415	15	4.0/4.0				NB-61-13-SL (12.0-14.0')		CLAY: brown w/gray mottling, slightly plastic, wet w/silt	CL		
410	20	4.0/2.5 4.0/3.5	52/9800			NB-61-23-SL (22.0-24.0')		CLAY: gray, plastic, wet, trace fine sand	CH		SECONDARY FILTER PACK (100 Mesh)
405	25	4.0/2.5	48/10200			NB-61-28-SL (27.0-29.0')		SANDY CLAY: gray, slightly plastic, wet SAND: gray, fine grained w/ fine clay	CL SP		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		1.0/1.0							GP		
400	30							GRAVEL: fine grained w/fine sand and clay Bottom of Hole 29.0'			
395	35										
390	40										



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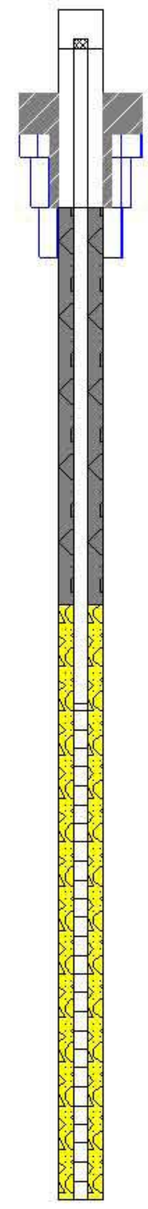
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-61
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	418.78
Project:	Hematite Remedial Investigation	Northing:	863845.20
Date Started:	7/13/04	Easting:	827882.35
Date Finished:	7/13/04	Total Depth of Boring:	22.5 feet
Geologist:	J. Grupp	Top of Casing:	421.28
Drilling Contractor:	IPS	Total Depth of Well:	22.0 feet

Boring: NB-63

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
420			Bkgrd= 37/5000		Bkgrd= 0.0						
	0	4.0/4.0	46/7300	N/A		NB-63-05-SL (04-06')		CLAY: brown, slightly plastic, damp, silty w/ fine sand	CL		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER
415	5	4.0/3.0									HIGH SOLIDS BENTONITE GROUT
								CLAY: brown, slightly plastic, damp, sandy	CL		
410	10	4.0/2.0	50/6600			NB-63-13-SL (12-14')		GRAVEL: brown, moist to wet, w/fine to coarse sand	GW		SECONDARY FILTER PACK (100 Mesh)
405	15	4.0/2.5	48/6600								1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400						NB-63-19-SL (18-20')		SANDY CLAY: gray, slightly plastic, wet	CL		
	20	2.5/0.0	N/A					GRAVEL: brown, fine w/coarse sand	GP		
								NO RECOVERY			
395	25							Bottom of Hole 22.5'			
390	30										
385	35										
380	40										



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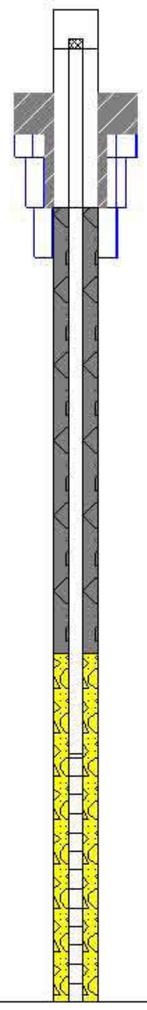
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-63
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	418.88
Project:	Hematite Remedial Investigation	Northing:	864520.97
Date Started:	06/28/04	Easting:	828346.25
Date Finished:	06/28/04	Total Depth of Boring:	18.0 feet
Geologist:	J. Grupp	Top of Casing:	421.38
Drilling Contractor:	IPS	Total Depth of Well:	18.0 feet

Boring: NB-64 (P2-75)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
420			Bkgrd= 40/9500		Bkgrd= 1.1						
	0	4.0/3.0		N/A				CLAY: brown, slightly plastic, damp, silty w/fine sand	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
415			50/10100								
	5	4.0/2.0				NB-64-05-SL (4.0-6.0')		SILT: brown, non plastic, damp w/fine sand , trace clay	ML		HIGH SOLIDS BENTONITE GROUT
								SAND: brown, moist, fine grained	SP		
410								SAND: brown, moist, coarse grained w/fine gravel			
	10	4.0/2.0							SP		SECONDARY FILTER PACK (100 Mesh)
			52/8800								
405		4.0/2.0				NB-64-13-SL (12.0-14.0')					
	15							GRAVEL: fine, brown, wet w/coarse sand	GP		
		2.0/1.5	42/9700			NB-64-17-SL (16.0-18.0')					1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
								SAND: brown, fine grained, wet	SP		
400								Bottom of Hole 18.0'			
	20										
395											
	25										
390											
	30										
385											
	35										
380											
	40										

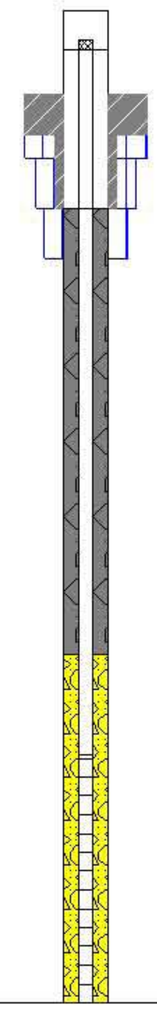


Westinghouse Electric Company Hematite Facility 3300 State Road P Festus, MO 63028	SAIC 8421 St. John Industrial Drive St. Louis, MO 63114	Client:	Westinghouse Electric Company
		Project:	Hematite Remedial Investigation
		Location:	Hematite, MO
		Borehole:	NB-64
		Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	418.05
Project:	Hematite Remedial Investigation	Northing:	864180.23
Date Started:	07/12/04	Easting:	828422.68
Date Finished:	07/13/04	Total Depth of Boring:	18.0 feet
Geologist:	J. Grupp	Top of Casing:	420.55
Drilling Contractor:	IPS	Total Depth of Well:	18.0 feet

Boring: NB-65 (P2-74)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
420			Bkgrd= 37/5600		Bkgrd= 0.1						
	0	4.0/3.5						CLAY: brown, slightly plastic, damp, silty, trace fine sand	CL		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER
415			57/9200								
	5	4.0/4.0				NB-65-05-SL (4.0-6.0')		SAND: brown, fine grained	SP		HIGH SOLIDS BENTONITE GROUT
								CLAY: brown, slightly plastic, damp, silty, trace fine sand	CL		
410											
	10	4.0/4.0						CLAY: brown, slightly plastic, damp to moist, w/silt and fine sand	CL		
								SAND: gray, moist, trace fine gravel	SP		SECONDARY FILTER PACK (100 Mesh)
			48/8800								
405		4.0/3.0				NB-65-13-SL (12.0-14.0')		CLAY: brown, slightly plastic, wet, silty w/ fine sand	CL		
	15							GRAVEL: brown, fine to coarse, with coarse sand	GW		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		2.0/2.0	42/9200			NB-65-17-SL (16.0-18.0')					
400								Bottom of Hole 18'			
	20										
395											
	25										
390											
	30										
385											
	35										
380											
	40										



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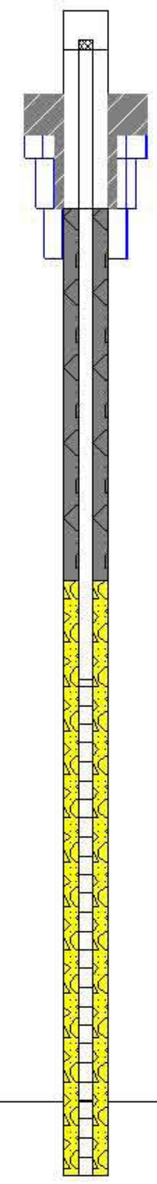
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-65
Sheet:	1 of 1

Boring: NB-66

Client	Westinghouse Electric Company
Location:	Hematite, MO
Project:	Hematite Remedial Investigation
Date Started:	07/13/04
Date Finished:	07/13/04
Geologist:	J. Grupp
Drilling Contractor:	IPS

Drilling Method:	Direct Push
Surf. Elev:	419.43
Northing:	863788.35
Easting:	827700.13
Total Depth of Boring:	20.0 feet
Top of Casing:	421.93
Total Depth of Well:	21.5 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 37/1600		Bkgrd= 1.2						
420	0	4.0/4.0	46/6200	N/A		NB-66-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
415	5	4.0/4.0						SILT: brown, slightly plastic, sandy w/trace of clay	ML		HIGH SOLIDS BENTONITE GROUT
410	10	4.0/4.0	52/7200					SAND: brown, damp, fine grained w/fine gravel	SP		SECONDARY FILTER PACK (100 Mesh)
405	15	4.0/3.0				NB-66-15-SL (14.0-16.0')		GRAVEL: brown, wet, fine w/coarse sand	GP		
		4.0/2.5	48/6800			NB-66-17-SL (16.0-18.0')		SANDY CLAY: gray, slightly plastic, wet	SC		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	20							GRAVEL: brown, wet, fine to coarse w/coarse sand	GW		
								Bottom of Hole 20.0'			
395	25										
390	30										
385	35										
380	40										



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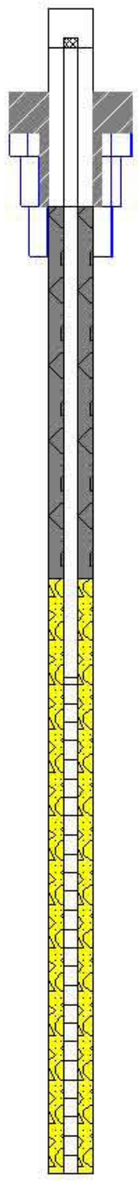
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-66
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	420.05
Project:	Hematite Remedial Investigation	Northing:	863908.43
Date Started:	07/13/04	Easting:	827392.66
Date Finished:	07/13/04	Total Depth of Boring:	22.0 feet
Geologist:	J. Grupp	Top of Casing:	422.55
Drilling Contractor:	IPS	Total Depth of Well:	21.5 feet

Boring: NB-67 (P2-79)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 58/8600		Bkgrd= 1.3						
420	0	4.0/4.0	36/9000			NB-67-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, damp, silty, trace fine sand	CL		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER
415	5	4.0/4.0						CLAY: brown, slightly plastic, damp to moist, silty w/fine sand	CL		HIGH SOLIDS BENTONITE GROUT
								SAND: brown, fine grained, damp	SP		
410	10	4.0/3.5	45/9500			NB-67-11-SL (10.0-12.0')		SAND: brown, coarse w/ medium gravel, wet	SW		SECONDARY FILTER PACK (100 Mesh)
		4.0/3.0						GRAVEL: brown, fine grained w/ medium to coarse sand	GP		
405	15							SANDY CLAY: gray, slightly plastic, wet	CL		
		4.0/3.0	42/9200					GRAVEL: brown, wet, fine to coarse grained w/medium to coarse sand	GW		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	20	2.0/2.0				NB-67-21-SL (20.0-22.0')					
								Bottom of Hole 22.0'			
395	25										
390	30										
385	35										
	40										



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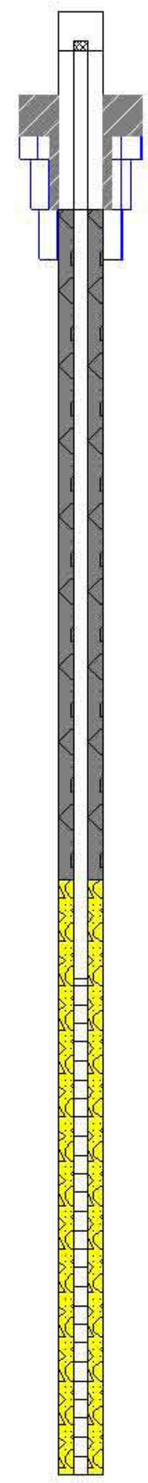
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-67
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	424.83
Project:	Hematite Remedial Investigation	Northing:	865308.27
Date Started:	07/15/04	Easting:	827948.61
Date Finished:	07/15/04	Total Depth of Boring:	28.0 feet
Geologist:	J. Grupp	Top of Casing:	427.33
Drilling Contractor:	IPS	Total Depth of Well:	27.5 feet

Boring: NB-71 (P2-24)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgr= 58/1100		Bkgrd= 0.0						
425	0	4.0/4.0	80/12000			NB-71-5-SL (4.0-6.0')		CLAY: brown, slightly plastic, damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER
420	5	4.0/4.0	60/11000								
415	10	4.0/4.0	66/11000; 92/12600					CLAY: brown w/ gray mottling, slightly plastic, damp to moist, silty	CL		HIGH SOLIDS BENTONITE GROUT
410	15	4.0/4.0	66/11000			NB-71-13-SL (12.0-14.0')		CLAY: dark brown, slightly plastic, w/ fine gravel	CL		SECONDARY FILTER PACK (100 Mesh)
405	20	4.0/4.0; 4.0/3.0	45/10500					CLAY: grayish brown, slightly plastic, moist, trace fine sand intermixed	CL		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
								GRAVELLY CLAY: grayish brown w/ sand	CL		
400	25	4.0/2.0	36/11000					CLAY: gray, plastic, moist	CH		
						NB-71-27-SL (26.0-28.0')		SAND: gray, wet, fine to coarse grained, w/ fine gravel	SW		
395	30							Bottom of Hole 28.0'			
390	35										
385	40										



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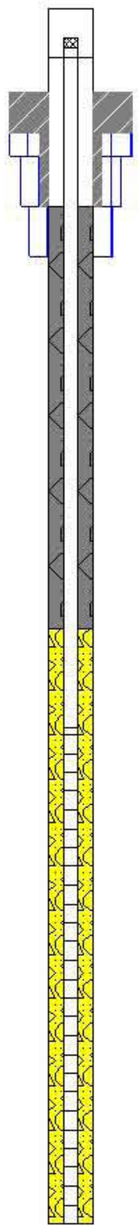
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-71
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	419.28
Project:	Hematite Remedial Investigation	Northing:	864455.47
Date Started:	07/15/04	Easting:	828007.65
Date Finished:	07/15/04	Total Depth of Boring:	23.0 feet
Geologist:	J. Grupp	Top of Casing:	421.78
Drilling Contractor:	IPS	Total Depth of Well:	22.5 feet

Boring: NB-72 (P2-11)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 125	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 36/10000		Bkgrd= 0.5						
420	0	4.0/4.0						CLAY: brown, slightly plastic, dry to damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD
415	5	4.0/4.0	36/9400			NB-72-05-SL (4.0-6.0')		SILT: brown, non-plastic, damp w/ fine sand	ML		1" SCH 40 PVC RISER
								SAND: brown,damp, fine grained	SP		HIGH SOLIDS BENTONITE GROUT
410	10	4.0/3.0	41/9300			NB-72-11-SL (10.0-12.0')		SAND: brown, silty, trace clay	SP		SECONDARY FILTER PACK (100 Mesh)
405	15	4.0/4.0						GRAVEL: brown, fine w/ coarse sand	GP		
								CLAY: gray, plastic, wet	CH		
400	20	4.0/3.0	39/9500			NB-72-19-SL (18.0-20.0')		GRAVEL: gray, fine to coarse w/ med to coarse sand	GW		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		3.0/2.0				NB-72-22-SL (21.0-23.0')		GRAVEL: gray-brown, fine to coarse, w/ fine to coarse sand	GW		
395	25							Bottom of Hole 23.0'			
390	30										
385	35										
380	40										



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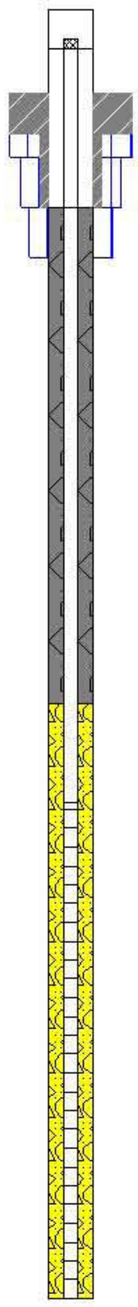
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-72
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	420.31
Project:	Hematite Remedial Investigation	Northing:	864174.73
Date Started:	07/15/04	Easting:	828027.83
Date Finished:	07/15/04	Total Depth of Boring:	25.0 feet
Geologist:	J. Grupp	Top of Casing:	422.81
Drilling Contractor:	IPS	Total Depth of Well:	24.0 feet

Boring: NB-73 (P2-27)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 50/8000		Bkgrd= 0.5						
420	0	4.0/4.0	38/8200					CLAY: brown, slightly plastic, dry to damp, silty to clayey, trace fine sand	CL		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER
415	5	4.0/4.0				NB-73-05-SL (4.0-6.0')		SAND: brown, fine grained, damp	SP		HIGH SOLIDS BENTONITE GROUT
410	10	4.0/3.0	48/7500					SAND: brown, fine to coarse grained, damp, trace fine gravel	SW		
								GRAVEL: brown, fine grained, wet	GP		SECONDARY FILTER PACK (100 Mesh)
		4.0/3.0				NB-73-13-SL (12.0-14.0')		GRAVEL: fine to coarse grained w/coarse sand, wet	GW		
405	15							CLAY: gray, plastic, wet	CH		
		4.0/0.0						NO RECOVERY			1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	20		42/7700					GRAVEL: brown, fine to coarse w/coarse sand, wet	GW		
		4.0/2.0						CLAY: gray, plastic, wet	CH		
		1.0/1.0				NB-73-24-SL (23.0-25.0')		LIMESTONE: tan to gray, highly weathered	LS		
395	25							Bottom of Hole 25.0'			
390	30										
385	35										
	40										



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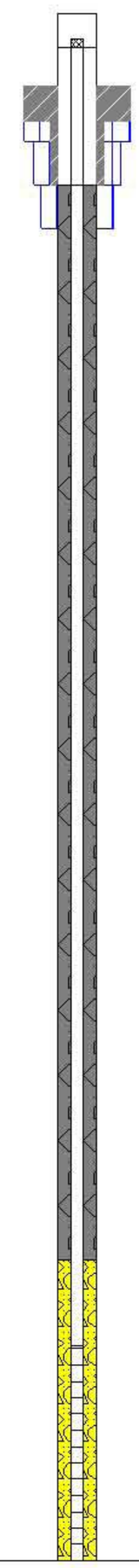
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-73
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	432.75
Project:	Hematite Remedial Investigation	Northing:	864656.11
Date Started:	07/20/04	Easting:	827378.06
Date Finished:	07/20/04	Total Depth of Boring:	34.0 feet
Geologist:	J. Grupp	Top of Casing:	435.25
Drilling Contractor:	IPS	Total Depth of Well:	34.0 feet

Boring: NB-74 (P2-01)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435			Bkgrd= 44/7000		Bkgrd= 1.3						
430	0	4.0/4.0	46/7500			NB-74-05-SL (4.0-6.0')		TOPSOIL CLAY: brown, slightly plastic, dry to damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
425	5	4.0/4.0									HIGH SOLIDS BENTONITE GROUT
420	10	4.0/4.0	60/7600					CLAY: brown w/gray mottling, moist, silty	CL		
415	15	4.0/0.0						NO RECOVERY			
410	20	4.0/4.0	58/7500			NB-74-17-SL (16.0-18.0')		CLAY: brown, slightly plastic, wet w/silt	CL		
405	25	4.0/3.5				NB-74-25-SL (24.0-26.0')		CLAY: brownish gray, plastic, wet	CH		SECONDARY FILTER PACK (100 Mesh)
400	30	4.0/2.5	62/7200					SAND: gray, fine grained, wet	SP		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
395	35	4.0/2.5						GRAVEL: gray to brown, fine grained w/coarse sand	GP		
		2.0/1.5				NB-74-33-SL (32.0-34.0')		GRAVEL: gray, fine to coarse grained	GW		
	40							Bottom of Hole 34.0'			



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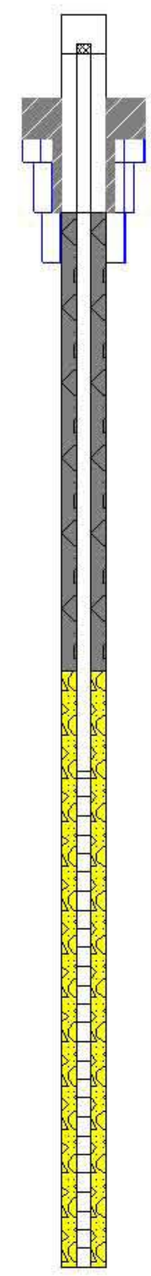
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-74
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	419.99
Project:	Hematite Remedial Investigation	Northing:	864250.64
Date Started:	07/21/04	Easting:	828279.42
Date Finished:	07/21/04	Total Depth of Boring:	25.0 feet
Geologist:	J. Grupp	Top of Casing:	422.49
Drilling Contractor:	IPS	Total Depth of Well:	23.25 feet

Boring: NB-77 (P2-74)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 45/9000		Bkgrd=0.0						
420	0	4.0/4.0						SILT: brown w/sand, non plastic, dry, trace clay	ML		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER
			51/9500								
415	5	4.0/2.5				NB-77-05-SL (4.0-6.0')		SAND: brown, fine grained, dry	SP		
								GRAVEL: fine grained w/fine sand	GP		HIGH SOLIDS BENTONITE GROUT
								SAND: brown, fine grained, dry	SD		
410	10	4.0/4.0						SAND: brown, fine grained w/trace coarse grains and fine gravel	SW		SECONDARY FILTER PACK (100 Mesh)
			48/9300								
		4.0/2.5				NB-77-13-SL (12.0-14.0')		GRAVEL: brown, fine, trace coarse grained w/coarse sand	GP		
405	15										
		4.0/1.0						GRAVEL: brown, fine to coarse grained, wet			
400	20		36/9500						GW		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		4.0/4.0									
		1.0/1.0				NB-77-24-SL (23.0-25.0')		GRAVEL: gray, fine grained w/coarse sand	GP		
395	25							LIMESTONE: tan, weathered			
								Bottom of Hole 25.0'			
390	30										
385	35										
380	40										



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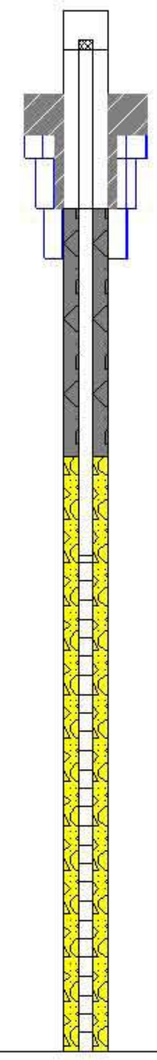
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-77
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	417.81
Project:	Hematite Remedial Investigation	Northing:	864598.90
Date Started:	07/21/04	Easting:	828218.51
Date Finished:	07/21/04	Total Depth of Boring:	19.0 feet
Geologist:	J. Grupp	Top of Casing:	420.31
Drilling Contractor:	IPS	Total Depth of Well:	19.0 feet

Boring: NB-78 (P2-75)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
420			Bkgrd= 58/8700		Bkgrd=0.3						
	0	4.0/4.0	56/9600			NB-78-07-SL (6.0-8.0')		CLAY: brown, slightlly plastic, damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER; HIGH SOLIDS BENTONITE GROUT; SECONDARY FILTER PACK (100 Mesh)
415	5	4.0/4.0									
410	10	4.0/4.0	38/9800			NB-78-11-SL (10.0-12.0')		GRAVEL: grayish brown, fine to coarse grained w/coarse sand	GW		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
405	15	4.0/2.0									
400		3.0/3.0	41/9400			NB-78-18-SL (17.0-19.0')		CLAY: gray, plastic, wet	CH		
								SANDY CLAY: gray, wet	CL		
395	20							Bottom of Hole 19.0'			
390	25										
385	30										
380	35										
	40										



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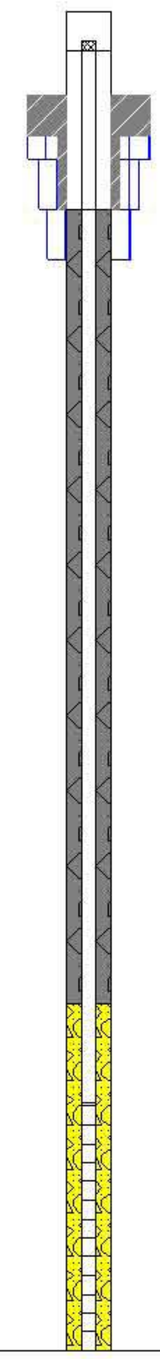
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-78
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	427.98
Project:	Hematite Remedial Investigation	Northing:	865345.37
Date Started:	07/23/04	Easting:	827530.71
Date Finished:	07/23/04	Total Depth of Boring:	25.0 feet
Geologist:	J. Grupp	Top of Casing:	430.48
Drilling Contractor:	IPS	Total Depth of Well:	25.0 feet

Boring: NB-79

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
430			Bkgrd= 54/7800		Bkgrd=0.3						
	0	4.0/4.0	75/7800	N/A		NB-79-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, moist, silty, trace sand	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
425	5	4.0/4.0						CLAY: brown, slightly plastic, moist, gravelly	CL		
420								CLAY: brown w/gray mottling, slightly plastic, silty	CL		
	10	4.0/4.0	60/8600			NB-79-11-SL (10.0-12.0')		GRAVELLY CLAY	GC		HIGH SOLIDS BENTONITE GROUT
415		4.0/1.0									
	15							CLAY: gray, plastic, wet	CH		
410		4.0/0.0						NO RECOVERY			SECONDARY FILTER PACK (100 Mesh)
	20	4.0/3.0	71/8800					CLAY: gray, plastic, wet	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
405		1.0/1.0				NB-79-24-SL (23.0-25.0')		CLAY: gray, plastic, wet with gravel and sand	CH		
	25							Bottom of Hole 25.0'			
400											
	30										
395											
	35										
390											
	40										



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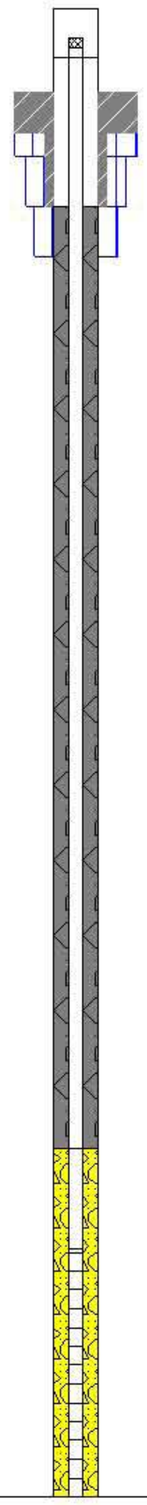
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-79
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	427.96
Project:	Hematite Remedial Investigation	Northing:	865280.15
Date Started:	07/23/04	Easting:	827571.83
Date Finished:	07/23/04	Total Depth of Boring:	28.0 feet
Geologist:	J. Grupp	Top of Casing:	430.46
Drilling Contractor:	IPS	Total Depth of Well:	28.0 feet

Boring: NB-80

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
430			Bkgrd= 54/8200		Bkgrd= 0.3						
	0	4.0/3.0	58/8800	N/A		NB-80-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, moist, silty, trace sand and gravel	CL		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER
425	5	4.0/3.0						CLAY: brown, slightly plastic, moist, gravelly	CL		HIGH SOLIDS BENTONITE GROUT
420	10	4.0/3.0	58/8500			NB-80-11-SL (10.0-12.0')					
415	15	4.0/3.0						CLAY: gray, plastic, wet	CH		
410	20	4.0/3.0	60/8400					NO RECOVERY			SECONDARY FILTER PACK (100 Mesh)
405	25	4.0/0.0						CLAY: gray, plastic, wet	CH		
		4.0/4.0				NB-80-27-SL (26.0-28.0')		SAND: gray, fine grained, trace fine gravel	SP		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	30							Bottom of Hole 28.0'			
395	35										
390	40										



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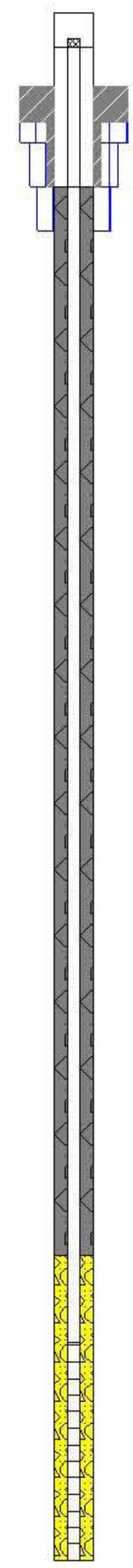
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-80
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	430.28
Project:	Hematite Remedial Investigation	Northing:	864884.50
Date Started:	07/26/04	Easting:	827967.43
Date Finished:	07/26/04	Total Depth of Boring:	34.0 feet
Geologist:	J. Grupp	Top of Casing:	432.78
Drilling Contractor:	IPS	Total Depth of Well:	33.5 feet

Boring: NB-81

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 59/9200		Bkgrd=0.0						
430	0	4.0/4.0	62/10000	N/A		NB-81-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, damp to moist, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
425	5	4.0/4.0									
420	10	4.0/4.0	100/10500			NB-81-09-SL (8.0-9.0')					HIGH SOLIDS BENTONITE GROUT
415	15	4.0/4.0	61/10100			NB-81-13-SL (12.0-14.0')		CLAY: brown, slightly plastic, wet, silty	CL		
410	20	4.0/0.0	56/10400					NO RECOVERY			
		4.0/0.5						CLAY: gray, slightly plastic, wet w/silt	CL		
405	25	4.0/0.5	57/9900					CLAY: gray, plastic, wet, trace silt	CL		SECONDARY FILTER PACK (100 Mesh)
								CLAY: gray, sandy w/fine gravel	CL		
								SAND: gray, fine grained w/fine gravel	SP		
400	30	4.0/3.0				NB-81-31-SL (30.0-32.0')		SANDY CLAY: gray, gravelly	CL		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		2.0/2.0						DOLOMITE: weathered, pitted			
395	35							Bottom of Hole 34.0'			
	40										



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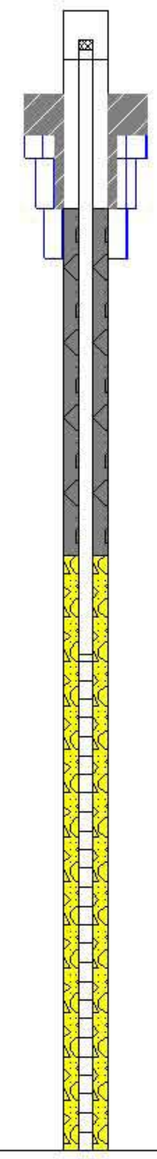
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-81
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	416.05
Project:	Hematite Remedial Investigation	Northing:	864736.02
Date Started:	07/27/04	Easting:	829026.33
Date Finished:	07/27/04	Total Depth of Boring:	21.0 feet
Geologist:	J. Grupp	Top of Casing:	418.55
Drilling Contractor:	IPS	Total Depth of Well:	21.0 feet

Boring: NB-82

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 63/9300		Bkgrd= 0.0						
415	0	4.0/4.0	54/9700	N/A		NB-82-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, moist, silty	CL		2' x 2' x 0.5 CONCRETE PAD 1" SCH 40 PVC RISER
410	5	4.0/4.0						SAND: brown, moist, fine grained	SP		HIGH SOLIDS BENTONITE GROUT
								SANDY CLAY: brown, slightly plastic, moist	CL		
405	10	4.0/3.0	57/9500			NB-82-11-SL (10.0-12.0')		CLAY: gray, plastic, wet	CH		SECONDARY FILTER PACK (100 Mesh)
								GRAVEL: gray, fine w/ coarse sand	GP SW		
		4.0/3.0						SAND: brown, wet, fine to coarse grained			
400	15							GRAVEL: brown, wet, fine to coarse w/coarse sand, trace silt	GW		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		4.0/2.5	58/9400					CLAY: gray, plastic, wet	CH		
395	20	1.0/1.0				NB-82-20-SL (19.0-21.0')		GRAVEL: brown, wet, fine to coarse w/ coarse sand	GW		
390	25							Bottom of Hole 21.0'			
385	30										
380	35										
	40										



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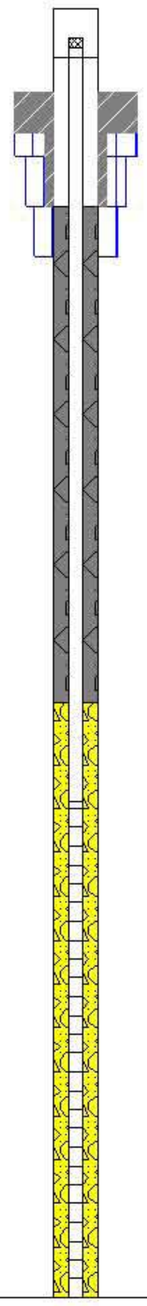
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-82
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	417.71
Project:	Hematite Remedial Investigation	Northing:	864972.27
Date Started:	07/27/04	Easting:	828838.72
Date Finished:	07/27/04	Total Depth of Boring:	24.0 feet
Geologist:	J. Grupp	Top of Casing:	420.21
Drilling Contractor:	IPS	Total Depth of Well:	24.0 feet

Boring: NB-83

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
420			Bkgrd= 44/9500		Bkgrd= 0.0						
	0	4.0/4.0	70/9400	N/A		NB-83-05-SL (4.0-6.0')		CLAY: brown, sligthly plastic, moist, silty	CL		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER
415	5	4.0/4.0									HIGH SOLIDS BENTONITE GROUT
410	10	4.0/4.0	56/9700					CLAY: brown, slightly plastic, sandy	CL		
						NB-83-11-SL (10.0-12.0')		SAND: gray, wet, fine grained w/ fine gravel	SP		
405	15	4.0/2.5						GRAVEL: brown, wet, fine to coarse w/ coarse sand	GW		SECONDARY FILTER PACK (100 Mesh)
400	20	4.0/3.5	62/9200					SAND: gray, wet, fine grained, trace fine gravel & clay	SP		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		4.0/2.5						GRAVEL: gray, fine to coarse, w/coarse sand	GW		
395						NB-83-23-SL (22.0-24.0')		CLAY: gray, plastic, wet	CH		
								GRAVEL: gray, coarse, w/fine sand	GP		
	25							Bottom of Hole 24.0'			
390	30										
385	35										
380	40										



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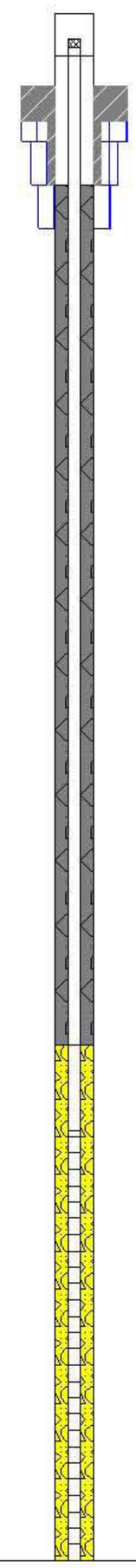
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-83
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	431.74
Project:	Hematite Remedial Investigation	Northing:	864244.68
Date Started:	07/28/04	Easting:	827168.13
Date Finished:	07/28/04	Total Depth of Boring:	34.0 feet
Geologist:	J. Grupp	Top of Casing:	434.24
Drilling Contractor:	IPS	Total Depth of Well:	34.0 feet

Boring: NB-84

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 59/9800		Bkgrd= 0.0						
430	0	4.0/4.0	48/9900	N/A		NB-84-05-SL (4.0-6.0')		SILT: grayish brown, non plastic, dry, clayey	ML		2' x 2' x 0.5' CONCRETE PAD; 1" SCH 40 PVC RISER
425	5	4.0/4.0						CLAY: brown w/ gray mottling, slightly plastic, damp, silty	CL		HIGH SOLIDS BENTONITE GROUT
420	10	4.0/4.0	51/9700								
		4.0/4.0									
415	15	4.0/4.0	53/9400			NB-84-15-SL (14.0-16.0')		SANDY CLAY: brown, slightly plastic, damp	CL		
410	20	4.0/3.0				NB-84-23-SL (22.0-24.0')		SAND : brown, damp to moist, fine grained	SP		SECONDARY FILTER PACK (100 Mesh)
405	25	4.0/3.0	49/9800					SAND : brown, wet, fine grained	SP		
								CLAY: gray, plastic, wet	CH		
								SAND : gray, wet, fine grained	SP		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400	30	4/2.5						GRAVEL: gray, wet, fine to coarse w/coarse sand	GW		
		2.0/2.0				NB-84-33-SL (32.0-34.0')					
395	35							Bottom of Hole 34.0'			
	40										



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-84
Sheet:	1 of 1

Boring: NB-85

Client	Westinghouse Electric Company
Location:	Hematite, MO
Project:	Hematite Remedial Investigation
Date Started:	08/24/04
Date Finished:	08/24/04
Geologist:	M. Swanson
Drilling Contractor:	IPS

Drilling Method:	Direct Push
Surf. Elev:	433.36
Northing:	863905.76
Easting:	826970.43
Total Depth of Boring:	36.0 feet
Top of Casing:	435.86
Total Depth of Well:	33.0 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 36/10398		Bkgrd=0.8						
435	0										2' x 2' x 0.5' CONCRETE PAD
		4.0/4.0		N/A				CLAY: brown, slightly plastic, dry, silty	CL		1" SCH 40 PVC RISER
430			49/10060								
	5	4.0/4.0				NB-85-05-SL (4.0-6.0')		CLAY: brown w/ gray mottling, slightly plastic, moist, silty			
425									CL		
	10	4.0/4.0									HIGH SOLIDS BENTONITE GROUT
			50/10027								
420		4.0/4.0									
	15					NB-85-15-SL (14.0-16.0')		CLAY: gray, slightly plastic, moist, silty	CL		
415		4.0/4.0						CLAY: brown/gray mottled, slightly plastic, moist, silty	CL		
	20		52/10123								
		4.0/4.0									SECONDARY FILTER PACK (100 Mesh)
410								CLAY: gray, plastic, moist, silty	CH		
	25					NB-85-25-SL (24.0-26.0')					
		4.0/4.0						CLAY: gray, slightlly plastic, moist, trace fine gravel	CL		
405			65/9868								
	30	4.0/4.0						CLAY: gray, plastic, moist, silty	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400		4.0/4.0	55/986					SAND: gray, medium grained, wet, trace silt	SP		
	35					NB-85-35-SL (34.0-36.0')		CLAY: gray, slightly plastic, wet, sandy	CL		
								Bottom of Hole 36.0'			
395	40										

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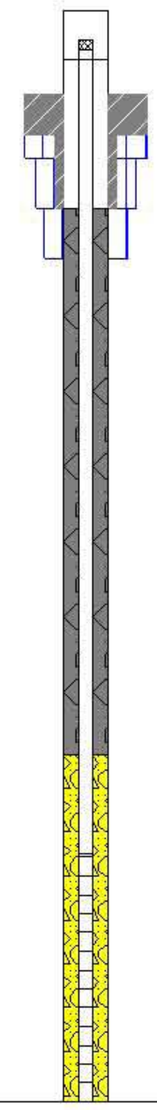
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-85
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	419.65
Project:	Hematite Remedial Investigation	Northing:	863782.77
Date Started:	08/24/04	Easting:	827096.90
Date Finished:	08/24/04	Total Depth of Boring:	20.0 feet
Geologist:	J. Grupp	Top of Casing:	422.15
Drilling Contractor:	IPS	Total Depth of Well:	20.0 feet

Boring: NB-86

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
			Bkgrd= 38/9146		Bkgrd= 0.0						
420	0	4.0/4.0		N/A				SILT: brown,slightly plastic, dry, trace clay	ML		2' x 2' x 0.5' CONCRETE PAD
			52/9882								1" SCH 40 PVC RISER
415	5	4.0/4.0				NB-86-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, dry to damp, silty	CL		
								SAND: brown, moist, fine grained, w/coarse gravel	SP		HIGH SOLIDS BENTONITE GROUT
410	10	4.0/4.0						CLAY: grayish brown, slightly plastic, moist, silty	CL		
			56/8558								SECONDARY FILTER PACK (100 Mesh)
		4.0/4.0									
405	15					NB-86-15-SL (14.0-16.0')		CLAY: gray, plastic, moist	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		4.0/3.0	39/8636								
400	20					NB-86-19-SL (18.0-20.0')		SAND: medium to coarse grained, w/ fine gravel, wet	SW		
								Bottom of Hole 20.0'			
395	25										
390	30										
385	35										
380	40										



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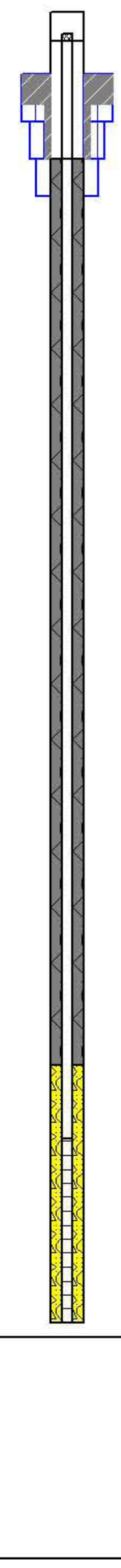
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-86
Sheet:	1 of 1

Boring: OA-19

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	433.22
Project:	Hematite Remedial Investigation	Northing:	864975.91
Date Started:	07/01/04	Easting:	827431.47
Date Finished:	07/01/04	Total Depth of Boring:	34.0.0 feet
Geologist:	J. Grupp	Top of Casing:	435.51
Drilling Contractor:	IPS	Total Depth of Well:	33.6 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435			Bkgrd= 42/6200		Bkgrd= 0.5						
	0	4.0/2.5						ASPHALT FILL: DGA CLAY: brown, slightly plastic, damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
430			45/6000								
	5	4.0/4.0				OA-19-05-SL (4.0-6.0')		CLAY: brown w/gray and black mottling, slightly plastic, damp, silty	CL		
425											
	10	4.0/4.0						CLAY: tan w/gray mottling, plastic, damp			
			43/6300								
420		4.0/3.0							CH		
	15					OA-19--15-SL (14.0-16.0')					HIGH SOLIDS BENTONITE GROUT
415		4.0/3.5									
	20		50/6450					CLAY: gray, plastic, moist			
		4.0/3.5							CH		
410											
	25					OA-19--25-SL (24.0-26.0')		CLAY: grayish brown, plastic, moist			
		4.0/2.5							CH		SECONDARY FILTER PACK (100 Mesh)
405								CLAY: olive gray, plastic, moist to wet			
			38/6200								
	30	4.0/2.0							CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
								SANDY CLAY: gray, wet	CL		
400		2.0/2.0				OA-19--33-SL (32.0-34.0')		SAND: fine to coarse grained w/fine gravel	SW		
	35							Bottom of Hole 34.0'			
395											
	40										



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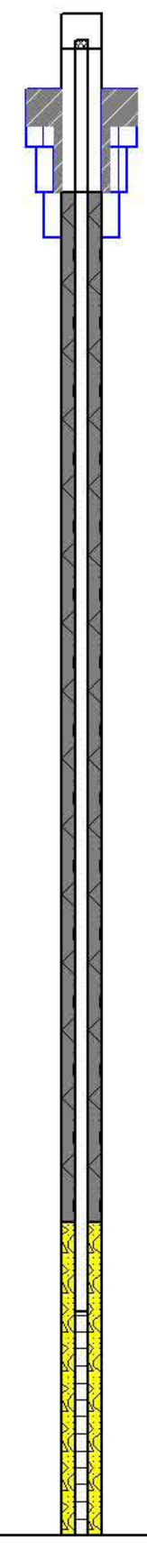
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	OA-19
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	433.01
Project:	Hematite Remedial Investigation	Northing:	864818.81
Date Started:	06/29/04	Easting:	827578.14
Date Finished:	06/29/04	Total Depth of Boring:	32.0 feet
Geologist:	J. Grupp	Top of Casing:	435.47
Drilling Contractor:	IPS	Total Depth of Well:	32.0 feet

Boring: PL-04

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435			Bkgrd= 48/9400		Bkgrd=0.4						
	0	4.0/4.0						TOPSOIL CLAY: brown, slightly plastic, dry to damp, silty	CL		2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
430			52/9400								
	5	4.0/4.0				PL-04-05-SL (4.0-6.0')		CLAY: brown w/gray mottling, damp, silty	CL		
425											
	10	4.0/4.0						CLAY: brown w/gray mottling, slightly plastic, wet, silty			HIGH SOLIDS BENTONITE GROUT
420			48/9600								
	15	4.0/3.0				PL-04-13-SL (12.0-14.0')			CL		
415		4.0/3.5									
	20		51/9750								
410		4.0/3.5				PL-04-23-SL (22.0-24.0')		CLAY: grayish brown, plastic, wet	CH		
	25	4.0/0.0						NO RECOVERY			SECONDARY FILTER PACK (100 Mesh)
405								CLAY: grayish brown, plastic, wet	CH		
	30	4.0/2.5	47/9500			PL-04-31-SL (30.0-32.0')		SANDY CLAY: gray, slightly plastic, wet SAND: gray, wet, fine grained w/fine gravel	CL SP		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
400								Bottom of Hole 32.0'			
	35										
395											
	40										



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	PL-04
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	435.09
Project:	Hematite Remedial Investigation	Northing:	864400.71
Date Started:	06/18/04	Easting:	827110.64
Date Finished:	06/18/04	Total Depth of Boring:	34.0 feet
Geologist:	J. Grupp	Top of Casing:	437.59
Drilling Contractor:	IPS	Total Depth of Well:	34.0 feet

Boring: PL-06

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435	0	4.0/3.5	46/6200					SILTY CLAY: brown w/gravel (FILL)			2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
430	5	4.0/4.0				PL-06-07-SL (6.0-8.0')		CLAY: brown w/gray mottling, slightly plastic, damp, silty	CL		
425	10	4.0/4.0	44/6800								HIGH SOLIDS BENTONITE GROUT
420	15	4.0/4.0				PL-06-13-SL (12.0-14.0')		CLAY: brown w/some gray mottling, slightly plastic, moist to wet, silty	CL		
415	20	4.0/4.0	38/6000			PL-06-17-SL (16.0-18.0')		SANDY CLAY: brown, slightly plastic, wet	SC		SECONDARY FILTER PACK (100 Mesh)
410	25	4.0/4.0	36/6000					SANDY CLAY: gray, slightly plastic, wet	SC		
405	30	4.0/3.0				PL-06-29-SL (28.0-30.0')		SAND: brown, medium grained w/fine gravel	SP		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		2.0/2.0	44/7000			PL-06-33-SL (32.0-34.0')		SAND: brown, fine to coarse grained w/fine gravel	SW GW		
400	35							GRAVEL: fine to coarse grained w/coarse sand Bottom of Hole 34.0'			
	40										

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	PL-06
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	432.23
Project:	Hematite Remedial Investigation	Northing:	864636.00
Date Started:	06/01/04	Easting:	826660.00
Date Finished:	06/02/04	Total Depth of Boring:	31.0 feet
Geologist:	J. Grupp	Top of Casing:	434.73
Drilling Contractor:	IPS	Total Depth of Well:	26.0 feet

Boring: RR-05

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
435											
430	0	4.0/2.5	40/5860			RR-05-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, moist to wet, silty w/brick and limestone (FILL)			2' x 2' x 0.5' CONCRETE PAD 1" SCH 40 PVC RISER
425	5	4.0/4.0						CLAY: brown, plastic, wet, stiff, trace gravel	CH		
420	10	4.0/0.0	52/6100					NO RECOVERY			HIGH SOLIDS BENTONITE GROUT
415	15	4.0/4.0	60/5900			RR-05-15-SL (14.0-16.0')		CLAY: brown w/gray mottling, plastic, wet w/fine gravel	CH		
410	20	4.0/4.0						CLAY: grayish brown, plastic, wet, stiff, trace fine gravel	CH		SECONDARY FILTER PACK (100 Mesh)
405	25	4.0/4.0	70/6250			RR-05-25-SL (24.0-26.0')		SAND: gray to brown, wet, fine grained	SP		
								CLAY: brown w/gray mottling, plastic, wet, trace fine gravel	CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
		4.0/4.0	52/5900					SAND: gray to brown, fine grained, wet w/fine gravel	SW		
400	30	3.0/2.5	50/5900					CLAY: gray, plastic, wet w/trace fine sand and gravel	CH		
395	35							Bottom of Hole 31.0'			
	40										

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	RR-05
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Direct Push
Location:	Hematite, MO	Surf. Elev:	429.58
Project:	Hematite Remedial Investigation	Northing:	864244.00
Date Started:	05/27/04	Easting:	826792.12
Date Finished:	05/27/04	Total Depth of Boring:	27.0 feet
Geologist:	J. Grupp	Top of Casing:	432.08
Drilling Contractor:	IPS	Total Depth of Well:	27.0 feet

Boring: SW-07

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Description
430	0										
		4.0/4.0						TOPSOIL: clay, brown CLAY: brown, slightly plastic, moist, silty	CL		2' x 2' x 0.5' CONCRETE PAD
425	5	4.0/4.0	42/9340			SW-07-05-SL (4.0-6.0)		CLAY: brown w/some gray mottling, slightly plastic, moist, silty	CL		1" SCH 40 PVC RISER
420	10	4.0/4.0	44/8750								HIGH SOLIDS BENTONITE GROUT
415	15	4.0/4.0	50/9000			SW-07-15-SL (14.0-16.0)		CLAY: brown, plastic, wet NO RECOVERY	CH		SECONDARY FILTER PACK (100 Mesh)
410	20	4.0/3.0 4.0/4.0	45/9200			SW-07-23-SL (22.0-24.0)		CLAY: brown, plastic, wet CLAY: grayish, brown, plastic, wet	CH CH		1.0" x 2.5" PREPACKED SCREEN (20/40 Mesh)
405	25	3.0/3.0	35/9100					CLAY: gray w/brown mottling, plastic, wet fine grained sand (26.8-27.0)	CH		
400	30							Bottom of Hole 27.0'			
395	35										
390	40										

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	SW-07
Sheet:	1 of 1

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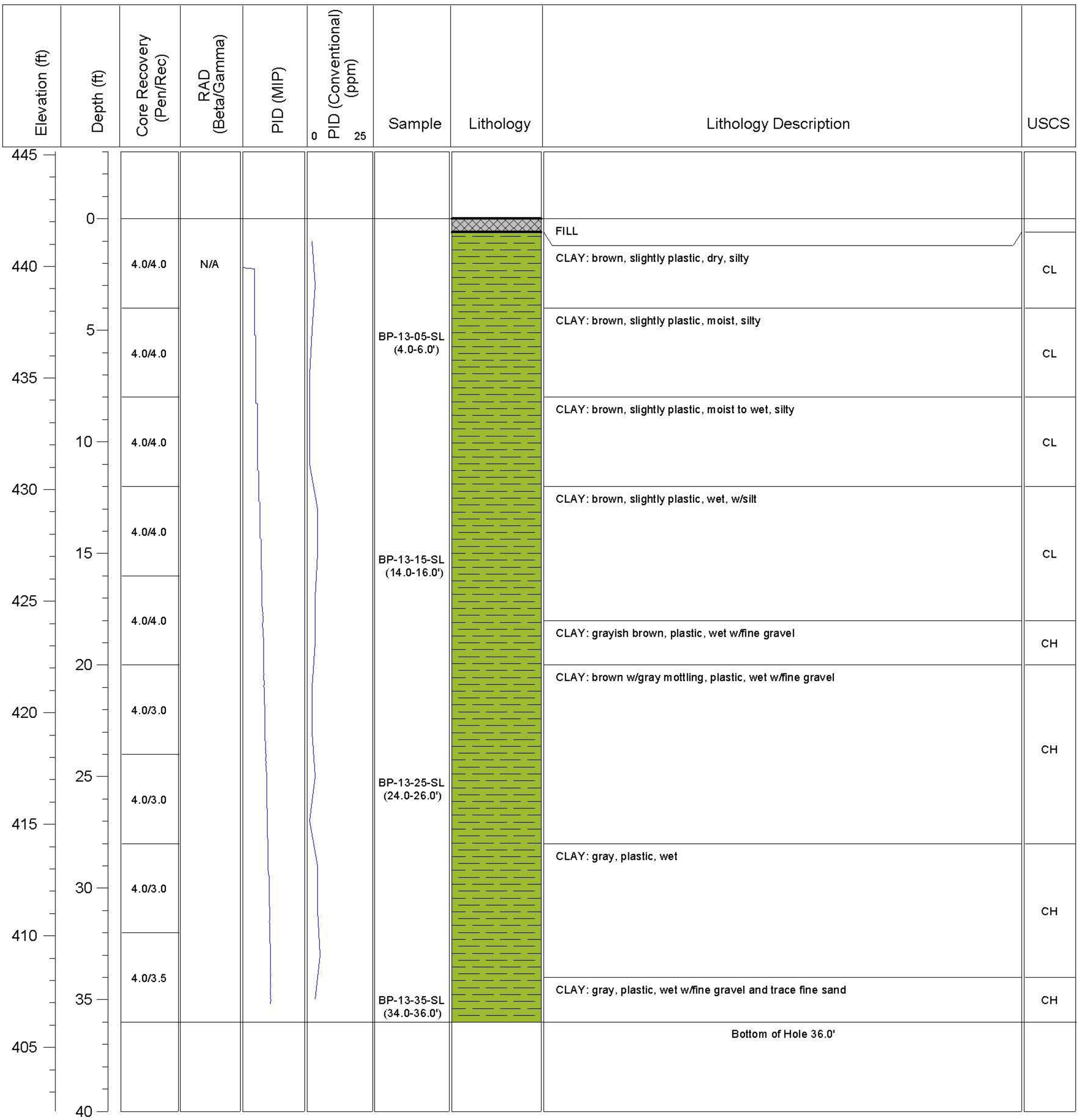
Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	442.14
Date Started:	06/15/04	Northing:	865343.00
Date Finished:	06/15/04	Easting:	827236.00
Geologist:	J. Grupp	Total Depth of Boring:	36.0 feet

Boring: BP-13



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BP-13
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	N/A
Date Started:	07/22/04	Northing:	N/A
Date Finished:	07/22/04	Easting:	N/A
Geologist:	J. Grupp	Total Depth of Boring:	8.0 feet

Boring: BP-14

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
			Bkgrd= 48/8000						
0	0	2.0/2.0	36/8400	N/A		N/A		TOPSOIL SILTY CLAY: brown, trace gravel (FILL)	
		2.0/2.0							
-5	5	2.0/2.0						SILTY CLAY: brown w/concrete and asphalt debris (FILL)	
		2.0/1.0							
-10	10							Bottom of Hole 8.0' Refusal on initial boring at 6.0'. Offset 10.0' west from initial boring	
-15	15								
-20	20								
-25	25								
-30	30								
-35	35								
-40	40								

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BP-14
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	N/A
Date Started:	07/22/04	Northing:	N/A
Date Finished:	07/22/04	Easting:	N/A
Geologist:	J. Grupp	Total Depth of Boring:	12.0 feet

Boring: BP-15

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
			Bkgrd= 48/8000		Bkgrd= 0.0				
0	0	4.0/3.0	58/8200	N/A	N/A			TOPSOIL SILTY CLAY: brown w/concrete, gravel and asphalt (FILL)	
-5	5	1.5/1.5	87/8400						
		2.5/2.5	68/8200						
-10	10	2.0/2.0						SILTY CLAY: brown, slightly plastic, dry (FILL)	
		2.0/0.5	8011/8200					underground obstruction/foreign object (FILL), contained unknown yellow/green substance	
								Bottom of Hole 12.0'	
-15	15								
-20	20								
-25	25								
-30	30								
-35	35								
-40	40								

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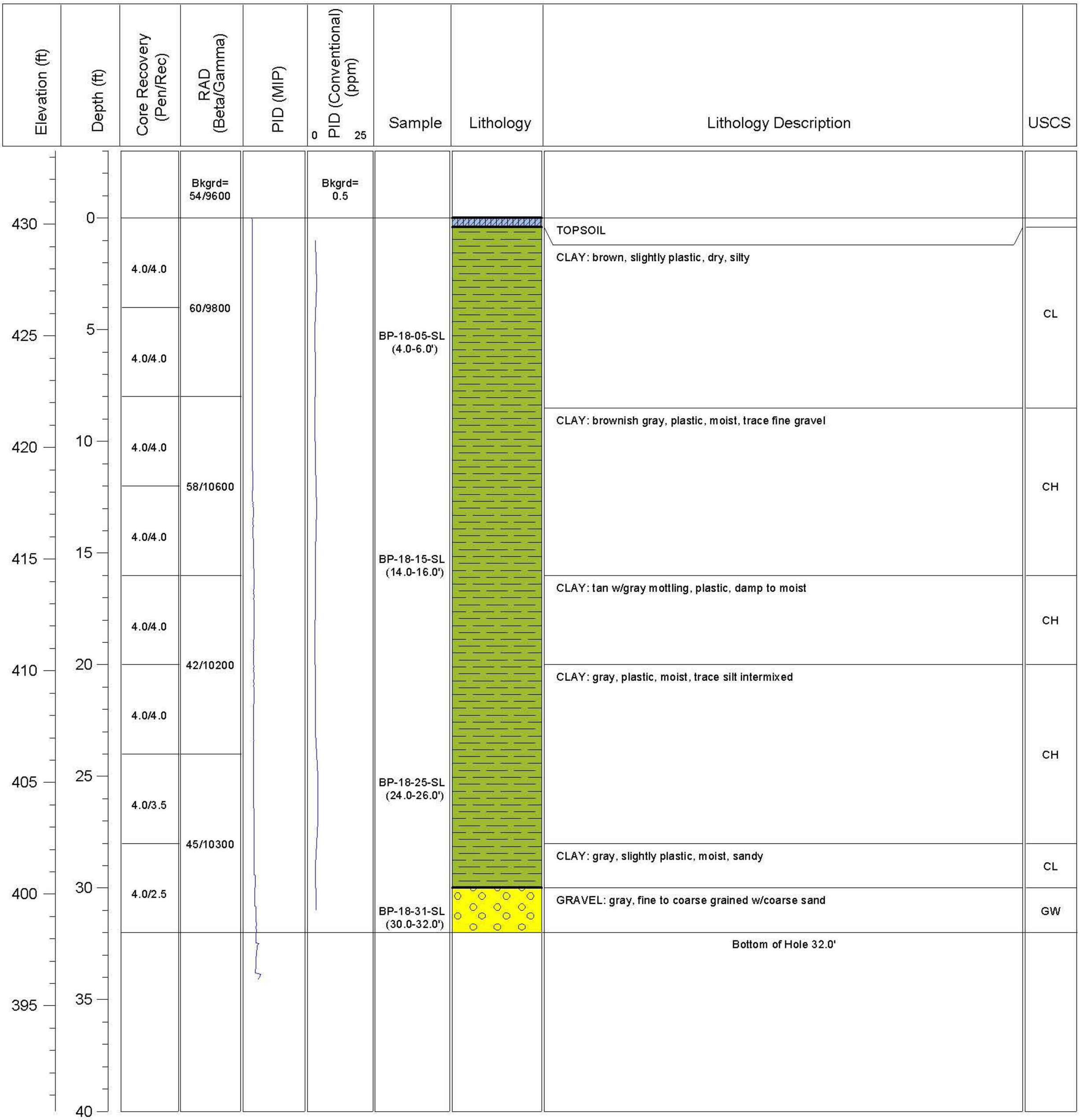
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BP-15
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	430.27
Date Started:	06/30/04	Northing:	865123.00
Date Finished:	06/30/04	Easting:	827671.00
Geologist:	J. Grupp	Total Depth of Boring:	32.0 feet

Boring: BP-18



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BP-18
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	435.29
Date Started:	07/02/04	Northing:	864923.00
Date Finished:	07/02/04	Easting:	827576.00
Geologist:	J. Grupp	Total Depth of Boring:	35.0 feet

Boring: DM-03

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
					Bkgrd= 1.5				
435	0	4.0/4.0	80/7300	N/A		DM-03-05-SL (4.0-6.0')		CLAY: brown, slightly plastic,damp, silty	CL
430	5	4.0/4.0							
425	10	4.0/4.0	48/7400			DM-03-13-SL (12.0-14.0')		CLAY: brown, plastic, moist w/silt	CH
420	15	4.0/4.0							
415	20	4.0/0.0	62/7300					NO RECOVERY	
		4.0/3.5						CLAY: brown, slightly plastic, wet w/silt	CH
								CLAY: grayish brown, plastic, wet, trace fine sand	CH
410	25	4.0/2.5	46/7200			DM-03-25-SL (26.0-28.0')		CLAY: gray, plastic, wet	CH
405	30	4.0/2.5						CLAY: gray, plastic, wet, trace fine sand	CH
								CLAY: gray, plastic, wet, sandy	CH
400	35	3.0/2.5	48/7400			DM-03-34-SL (33.0-35.0')		SAND: gray, wet, fine grained sand	SP
								GRAVEL: gray, coarse grained w/coarse sand	GP
	40							Bottom of Hole 35.0'	

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	DM-03
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	432.04
Date Started:	07/07/04	Northing:	864563.00
Date Finished:	07/07/04	Easting:	827195.00
Geologist:	J. Grupp	Total Depth of Boring:	31.0 feet

Boring: EP-13

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
435			Bkgrd= 55/6200		Bkgrd= 0.2				
430	0	4.0/4.0	68/6200			EP-13-03-SL (2.0-4.0') (Rad Only)		TOPSOIL CLAY: brown, slightly plastic, dry, silty	CL
			81/6300						
425	5	4.0/4.0	68/6200			EP-13-06-SL (5.0-7.0')		CLAY: brown, slightly plastic, damp, silty	CL
420	10	4.0/4.0	65/6300					CLAY: brown w/gray mottling, slightly plastic, moist	CL
		4.0/4.0				EP-13-13-SL (12.0-14.0')			
415	15	4.0/4.0							
410	20	4.0/3.0	67/6500						
405	25	4.0/3.0	58/6600			EP-13-25-SL (24.0-26.0')		SAND: brown, fine grained, wet	SP
	30	3.0/1.5				EP-13-30-SL (29.0-31.0')		SAND: brown, medium to coarse grained w/fine to coarse gravel	SW
400	35							Bottom of Hole 31.0'	
395	40								

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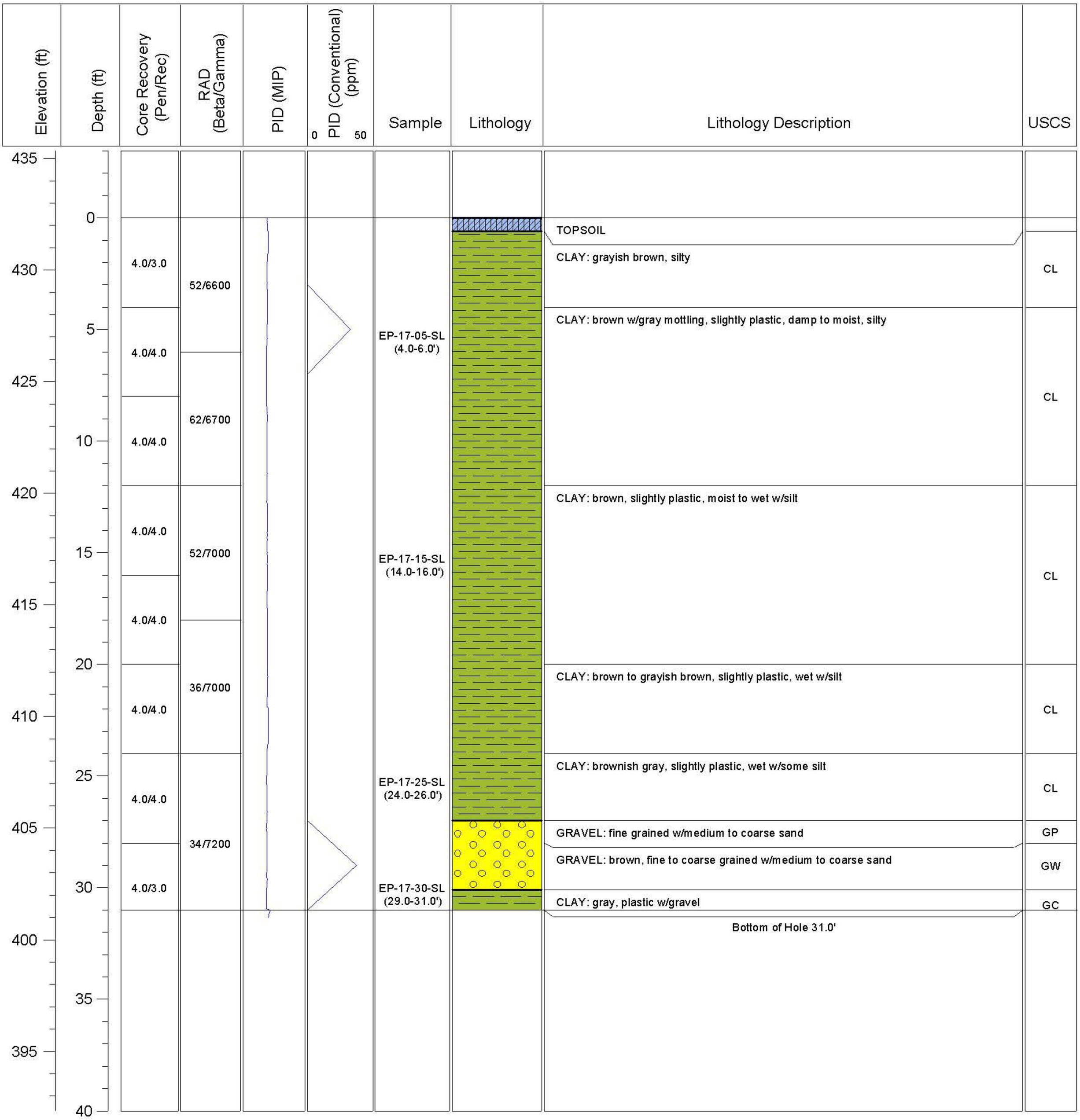
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	EP-13
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	432.34
Date Started:	06/10/04	Northing:	864576.00
Date Finished:	06/10/04	Easting:	827286.00
Geologist:	J. Grupp	Total Depth of Boring:	31.0 feet

Boring: EP-17



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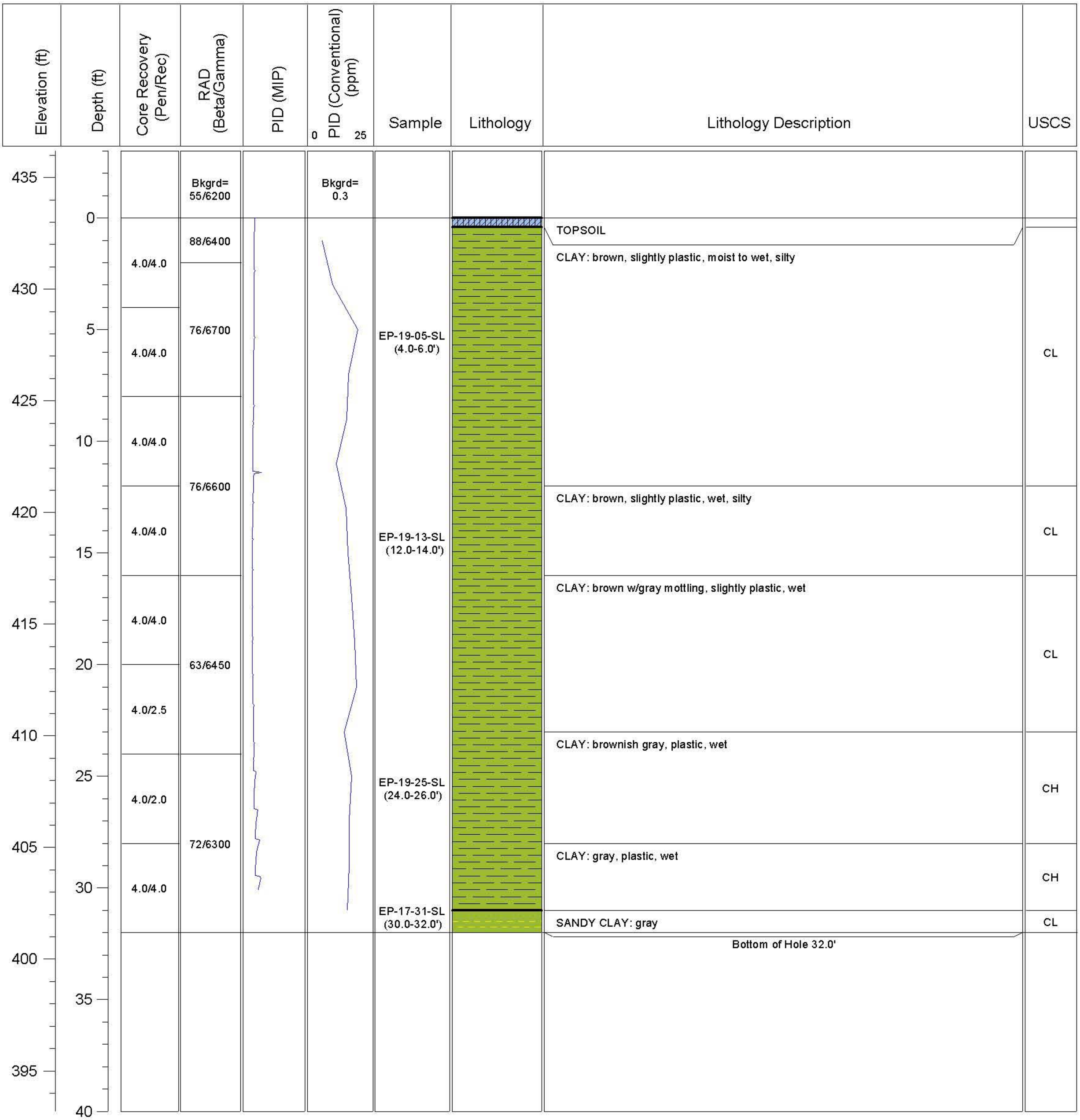
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	EP-17
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	433.19
Date Started:	07/07/04	Northing:	864636.00
Date Finished:	07/07/04	Easting:	827294.00
Geologist:	J. Grupp	Total Depth of Boring:	32.0 feet

Boring: EP-19



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	EP-19
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	440.06
Date Started:	06/14/04	Northing:	866667.00
Date Finished:	06/14/04	Easting:	828850.00
Geologist:	J. Grupp	Total Depth of Boring:	26.0 feet

Boring: GS-06

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
440	0							TOPSOIL	
		4.0/4.0						CLAY: brown, plastic, dry, w/gravel and trace fine sand	CH
			46/7400						
435	5	4.0/4.0				GS-06-05-SL (4.0-6.0')			
								GRAVELLY CLAY: brown, slightly plastic	CL
								CLAY: brown, slightly platic, moist, silty	
430	10	4.0/4.0							CL
			52/7600						
		4.0/4.0							
425	15								
								SAND: brown, fine grained w/fine gravel	SP
								CLAY: tan to light gray mottled, slightly plastic, moist w/silt and sand	CL
		4.0/4.0							
						GS-06-19-SL (18.0-20.0')		SANDSTONE: weathered	
420	20		44/7700						
								CLAY: brown w/light gray mottling, slightly plastic w/weathered siltstone intermixed	
		4.0/4.0							CL
415	25	4.0/2.0	46/7420			GS-06-25-SL (24.0-26.0')		SANDSTONE: tan, soft, weathered	
								Bottom of Hole 26.0'	
410	30								
405	35								
	40								

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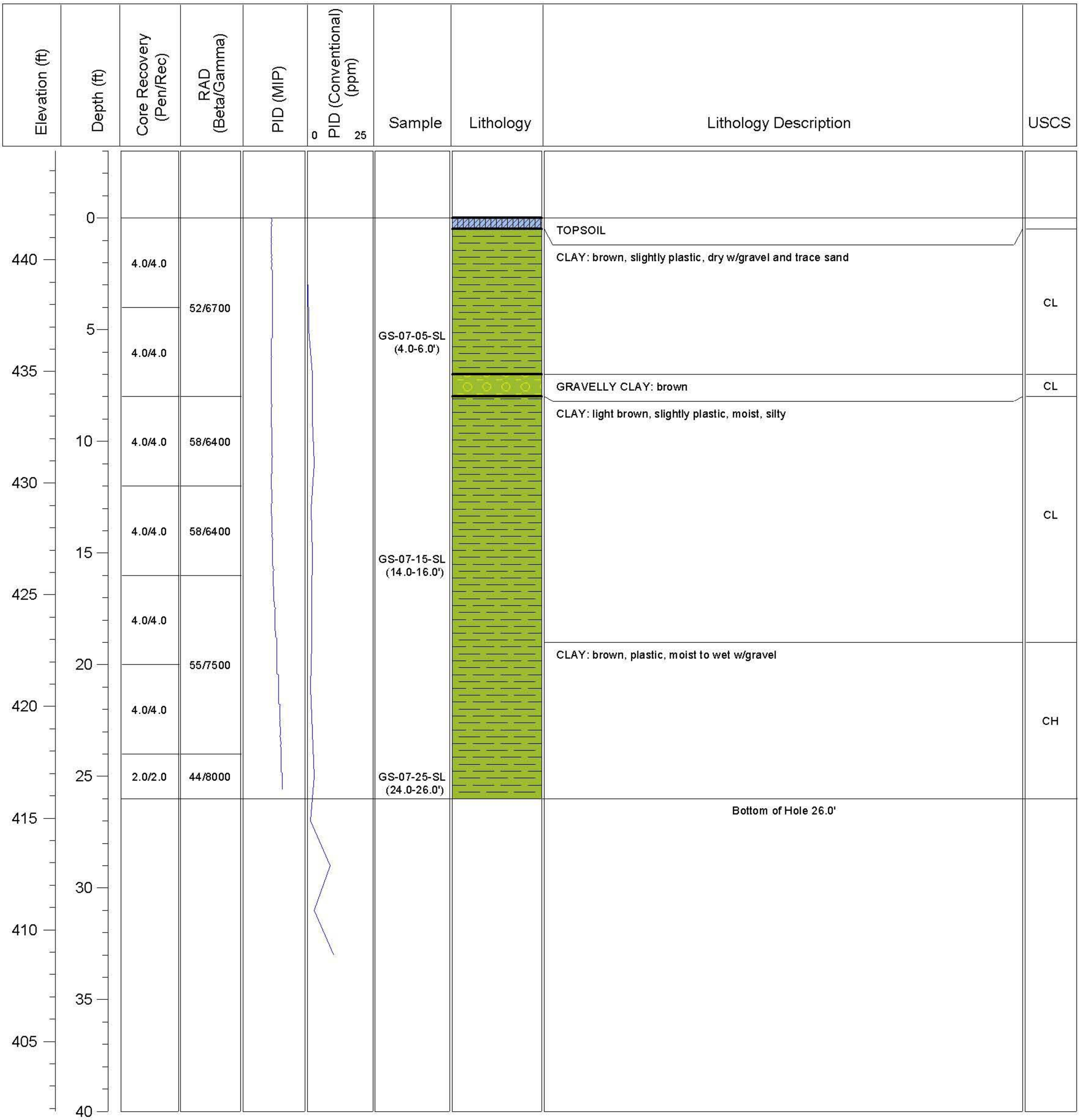
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	GS-06
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	441.87
Date Started:	06/14/04	Northing:	866696.00
Date Finished:	06/14/04	Easting:	828809.00
Geologist:	J. Grupp	Total Depth of Boring:	26.0 feet

Boring: GS-07



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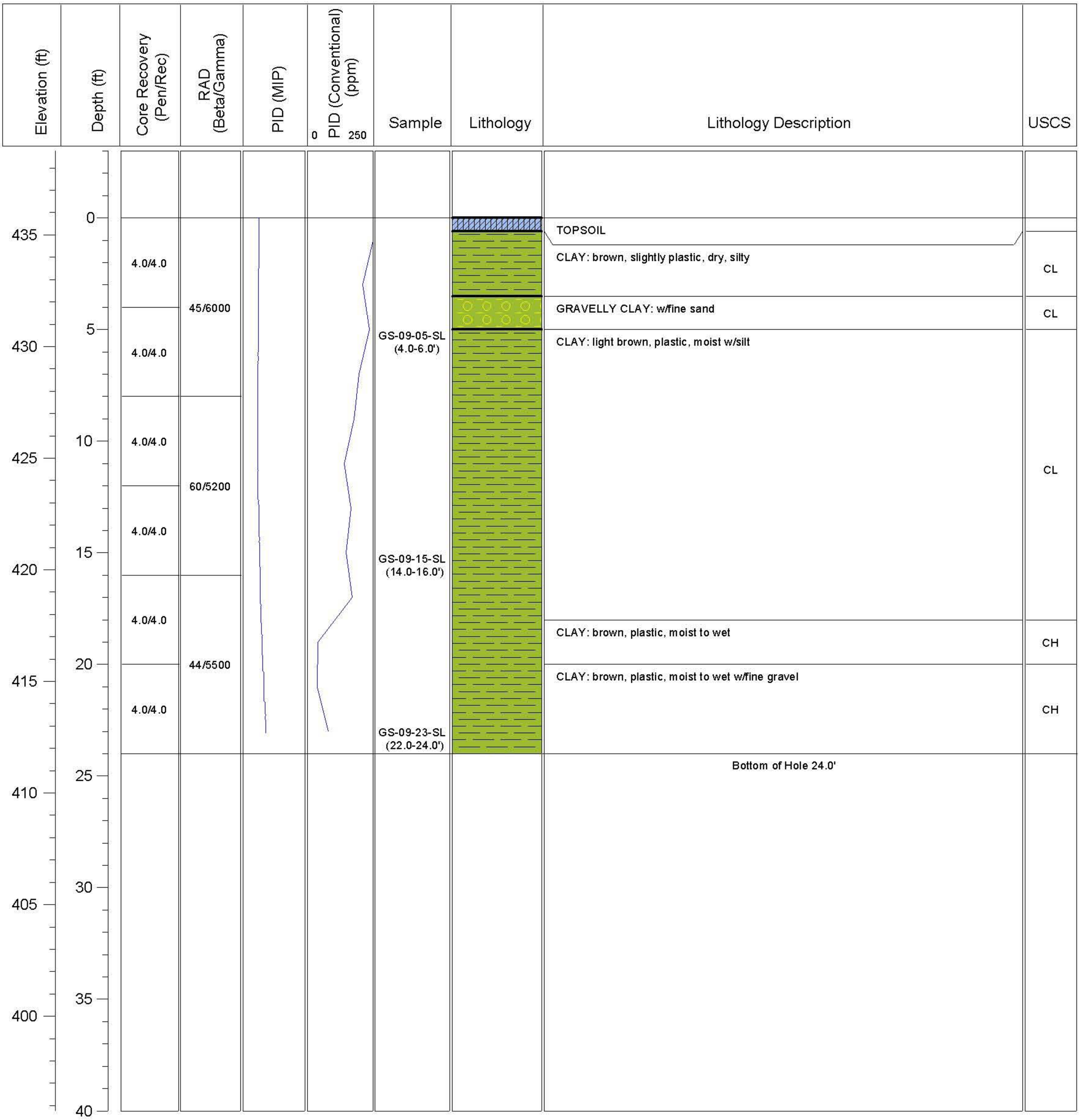
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	GS-07
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	435.76
Date Started:	06/14/04	Northing:	866643.00
Date Finished:	06/14/04	Easting:	828768.00
Geologist:	J. Grupp	Total Depth of Boring:	24.0 feet

Boring: GS-09



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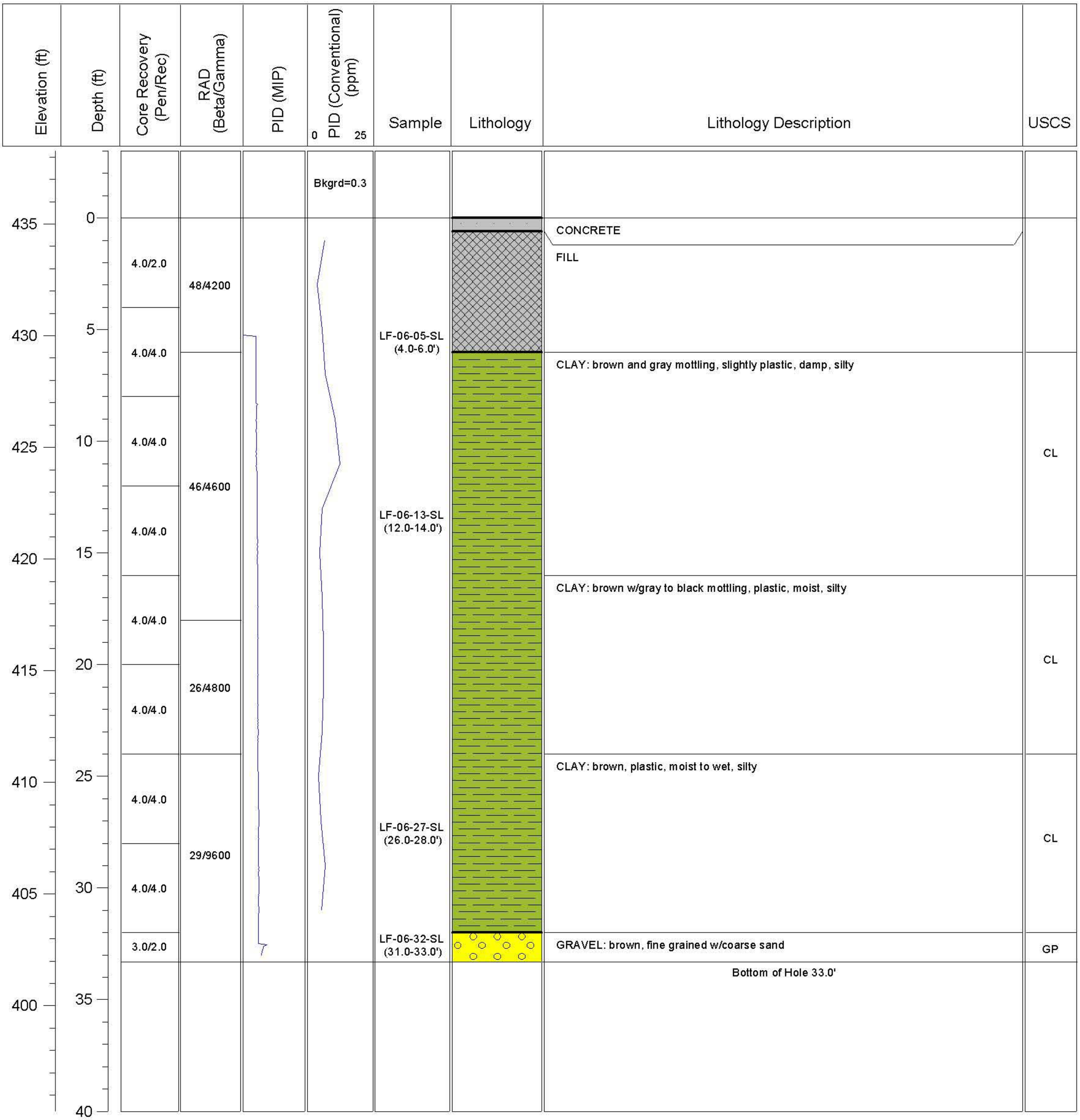
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	GS-09
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	435.27
Date Started:	07/19/04	Northing:	864560.00
Date Finished:	07/19/04	Easting:	827096.00
Geologist:	J. Grupp	Total Depth of Boring:	33.0 feet

Boring: LF-06



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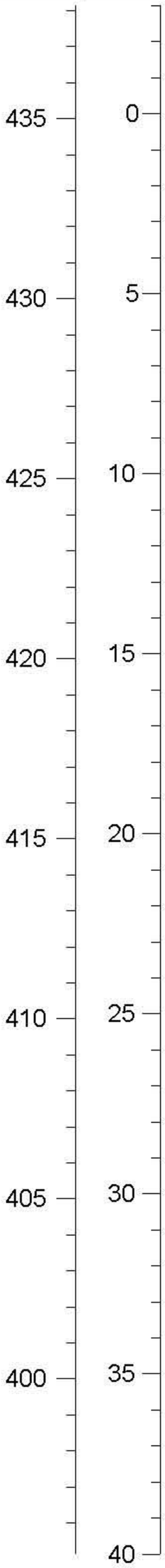
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	LF-06
Sheet:	1 of 1

Boring: LF-07

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	435.14
Date Started:	07/19/04	Northing:	864522.00
Date Finished:	07/19/04	Easting:	827116.00
Geologist:	J. Grupp	Total Depth of Boring:	35.0 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
			Bkgrd = 62/6000		Bkgrd= 0.2				
435	0	4.0/2.0	60/6200			LF-07-03-SL (2.0-4.0')		CONCRETE FILL	
430	5	4.0/4.0						CLAY: brown and gray mottling, slightly plastic, moist, silty	
425	10	4.0/4.0	80/7300			LF-07-09-SL (8.0-10.0')			CL
420	15	4.0/4.0	59/6000			LF-07-15-SL (14.0-16.0')			
415	20	4.0/4.0	68/5500						CL
410	25	4.0/4.0	82/5200			LF-07-25-SL (24.0-26.0')		CLAY: brown w/gray mottling, slightly plastic, moist to wet	CL
								SAND: brown, fine grained, wet	SP
405	30	4.0/4.0						CLAY: brown w/gray mottling, plastic w/silt	CL
								CLAY: gray, plastic sandy	SC
		3.0/2.0				LF-07-34-SL (33.0-35.0')		CLAY: gray, plastic, gravelly	SW GC
400	35							Bottom of Hole 35.0'	
	40								



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	LF-07
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	431.19
Date Started:	06/08/04	Northing:	864741.00
Date Finished:	06/08/04	Easting:	827985.00
Geologist:	J. Grupp	Total Depth of Boring:	31.0 feet

Boring: NB-37 (P2-6)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
								FILL	
		4.0/3.0	26/4900	N/A				CLAY: brown, slightly plastic, dry w/silt	CL
		4.0/4.0				NB-37-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, moist, silty	CL
		4.0/4.0	34/5000						
		4.0/4.0	22/5000			NB-37-15-SL (14.0-16.0')		CLAY: brown w/black mottling, slightly plastic, moist, silty	CL
		4.0/4.0						CLAY: brown, plastic, wet w/silt	CH
		4.0/4.0	26/5000					CLAY: brownish gray, plastic, wet, stiff	CH
		4.0/4.0	52/5000			NB-37-25-SL (24.0-26.0')			
		3.0/3.0						CLAY: gray, plastic, wet	CH
								CLAY: gray, plastic, wet, sandy	CH
									GP
								GRAVEL: fine grained w/medium to coarse sand	
								Bottom of Hole 31.0'	

Elevation (ft): 430, 425, 420, 415, 410, 405, 400, 395

Depth (ft): 0, 5, 10, 15, 20, 25, 30, 35, 40

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-37
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	431.62
Date Started:	06/10/04	Northing:	864316.00
Date Finished:	06/10/04	Easting:	827369.00
Geologist:	J. Grupp	Total Depth of Boring:	32.0 feet

Boring: NB-40 (P2-15)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
	0							FILL	
430		4.0/3.0	26/5600					CLAY: brown, slightly plastic, damp, silty	
	5	4.0/4.0				NB-40-05-SL (4.0-6.0')			
425									CL
			46/5600						
	10	4.0/4.0							
420								CLAY: brown, slightly plastic, moist, silty	
		4.0/4.0							CL
	15		60/6000						
415						NB-40-17-SL (16.0-18.0')		CLAY: brown, slightly plastic, moist to wet	CL
		4.0/4.0						CLAY: brown, slightly plastic, moist to wet, silty w/fine sand	CL
	20								
410		4.0/4.0	45/6200					CLAY: brown, slightly plastic, wet, sandy	CL
	25	4.0/3.0	20/4800			NB-40-25-SL (24.0-26.0')		SAND: brown, fine grained, wet	SP
405								GRAVEL: brown, fine grained w/coarse sand	GP
	30	4.0/3.0	36/5100			NB-40-31-SL (30.0-32.0')		GRAVEL: gray, fine to coarse grained w/medium to coarse sand clay seam 31.0-31.3'	GW
400								Bottom of Hole 32.0'	
	35								
395									
	40								

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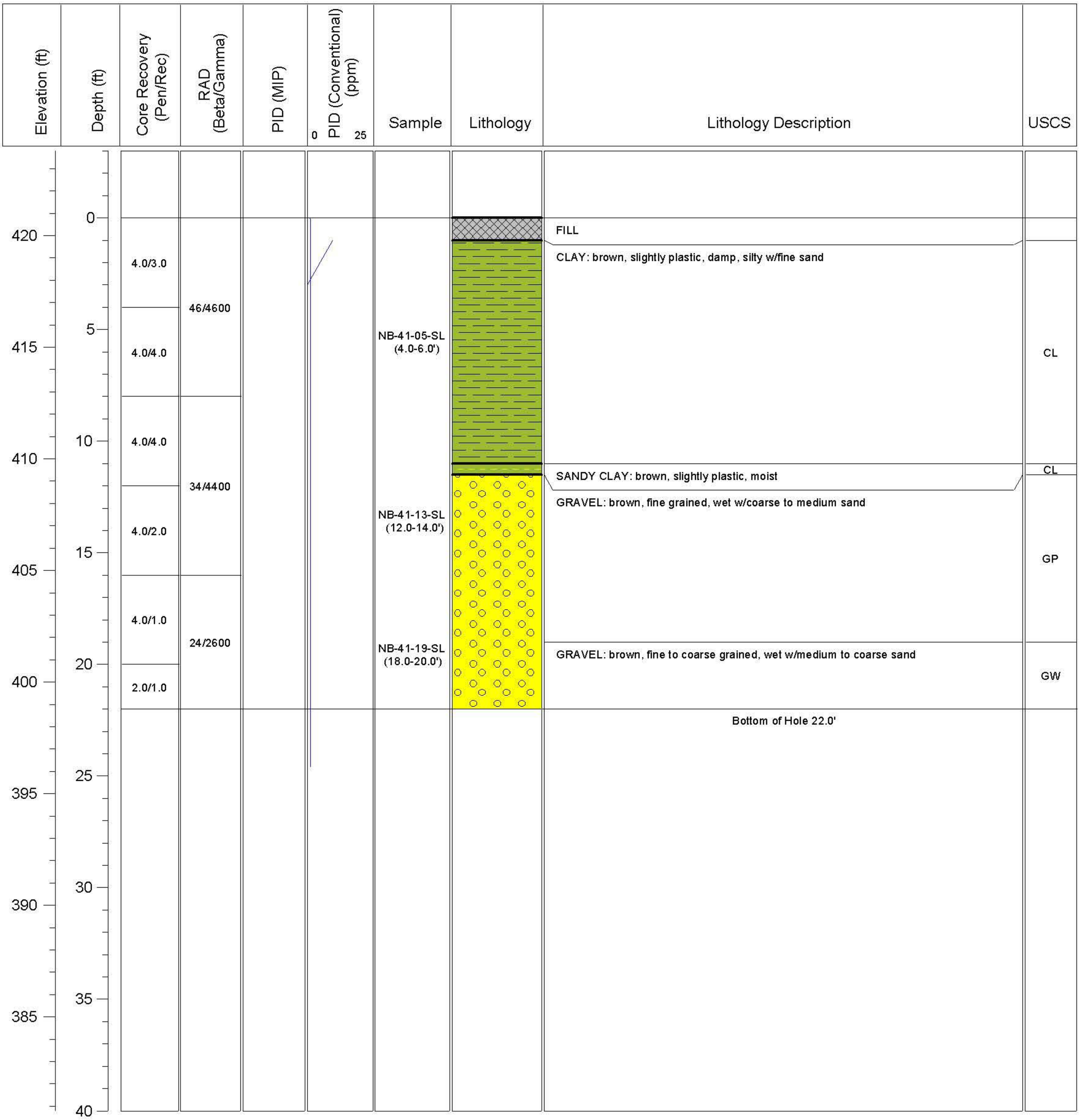
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-40
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	420.79
Date Started:	06/11/04	Northing:	863931.00
Date Finished:	06/11/04	Easting:	827546.00
Geologist:	J. Grupp	Total Depth of Boring:	22.0 feet

Boring: NB-41 (P2-17)



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-41
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	419.34
Date Started:	06/11/04	Northing:	863988.00
Date Finished:	06/11/04	Easting:	827775.00
Geologist:	J. Grupp	Total Depth of Boring:	24.0 feet

Boring: NB-42 (P2-18)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
420	0								
		4.0/3.5						FILL	
415	5	4.0/3.0	46/5600			NB-42-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, damp to moist, silty, trace fine sand	CL
410	10	4.0/3.0	38/6600					GRAVEL: brown, fine to coarse grained, wet w/medium to coarse sand	GW
405	15	4.0/3.0				NB-42-13-SL (12.0-14.0')		GRAVEL: gray, plastic w/organics	CH
400	20	4.0/3.0	48/6400					GRAVEL: gray to brown, fine to coarse grained w/ coarse sand	GW
		4.0/2.0				NB-42-23-SL (22.0-24.0')		GRAVEL: brown, fine to coarse grained, wet	GW
395	25							Bottom of Hole 24.0'	
390	30								
385	35								
380	40								

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-42
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	418.78
Date Started:	06/11/04	Northing:	863897.00
Date Finished:	06/11/04	Easting:	828045.00
Geologist:	J. Grupp	Total Depth of Boring:	23.0 feet

Boring: NB-43 (P2-19)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
420									
	0							FILL	
		4.0/2.0	49/5900					CLAY: brown, slightly plastic, damp, silty	
415	5					NB-43-05-SL (4.0-6.0')			CL
		4.0/2.0							
410			54/8200						
	10	4.0/2.0						CLAY: brown, slightly plastic,, moist, sandy	CL
								SAND: brown, fine to coarse grained, wet w/fine gravel	SW
405		4.0/1.5				NB-43-13-SL (10.0-16.0')		SAND: brown, coarse grained, wet, gravelly	SP
	15		60/7300						
		4.0/1.5						GRAVEL: brown, fine to coarse grained, wet w/coarse sand	
400									GW
	20		N/A						
		3.0/0.0							
395								Bottom of Hole 23.0'	
	25								
390									
	30								
385									
	35								
380									
	40								

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-43
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	431.05
Date Started:	06/16/04	Northing:	864730.00
Date Finished:	06/16/04	Easting:	827836.00
Geologist:	J. Grupp	Total Depth of Boring:	34.0 feet

Boring: NB-45
(P2-5)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
								FILL	
		4.0/3.0						CLAY: grayish brown to brown, slightly plastic, damp, silty	CL
		4.0/4.0	36/6800			NB-45-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, damp, silty	CL
		4.0/3.0						CLAY: brown, slightly plastic, damp to moist, silty	CL
		4.0/4.0	48/6400			NB-45-13-SL (12.0-14.0')		CLAY: brown, plastic, moist to wet w/silt and fine gravel	CH
		4.0/4.0						CLAY: brown, plastic, wet w/silt	CH
		4.0/4.0	44/6000					CLAY: dark brown, plastic, wet w/silt	CH
		4.0/4.0						CLAY: dark brown w/gray mottling, plastic, wet	CH
		4.0/4.0	34/6800			NB-45-25-SL (24.0-26.0')		CLAY: dark gray, plastic, wet	CH
		4.0/3.0						CLAY: dark gray, wet, sandy w/fine gravel	CL
		2.0/1.5	37/6500			NB-45-33-SL (32.0-34.0')		GRAVEL: gray, fine grained w/medium to coarse sand	GW
								CLAY: dark gray, plastic, wet	CH
								Bottom of Hole 34.0'	

Elevation (ft): 430, 425, 420, 415, 410, 405, 400, 395
Depth (ft): 0, 5, 10, 15, 20, 25, 30, 35, 40

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-45
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	438.12
Date Started:	06/21/04	Northing:	865122.09
Date Finished:	06/21/04	Easting:	827023.33
Geologist:	J. Grupp	Total Depth of Boring:	32.0 feet

Boring: NB-47 (P2-61)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
440									
	0							TOPSOIL	
		4.0/4.0						CLAY: brown, slightly plastic, damp, silty w/fine gravel	
435			56/9200						
	5	4.0/4.0				NB-47-05-SL (4.0-6.0')			CL
430									
	10	4.0/4.0							
			58/9300					CLAY: light brown, plastic	CH
425								CLAY: light brown and tan mottled, plastic, moist to wet	
		4.0/4.0							
	15					NB-47-15-SL (14.0-16.0')			CH
420		4.0/2.0							
	20		58/9300					CLAY: tan w/brown and black mottling, plastic, moist to wet	
		4.0/3.0							
415									
	25					NB-47-25-SL (24.0-26.0')			CH
		4.0/3.0	40/9000						
410								CLAY: olive brown, slightly plastic, wet, trace chert gravel	
	30	4.0/4.0	51/9100						CH
						NB-47-31-SL (30.0-32.0')		LIMESTONE: gray, weathered	
405								Bottom of Hole 32.0'	
	35								
400									
	40								

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-47
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	438.46
Date Started:	06/22/04	Northing:	865276.77
Date Finished:	06/22/04	Easting:	827159.77
Geologist:	J. Grupp	Total Depth of Boring:	38.0 feet

Boring: NB-49 (P2-65)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
440			Bkgrd= 52/8700		Bkgrd= 0.2				
	0							TOPSOIL	
		4.0/4.0						CLAY: brown, slightly plastic, damp, silty	
435			70/9100						CL
	5	4.0/4.0				NB-49-05-SL (4.0-6.0')			
430								CLAY: brown, slightly plastic, moist, silty	
	10	4.0/4.0							CL
			60/9200						
425		4.0/3.5						CLAY: brown, slightly plastic, wet w/fine gravel and silt	CL
	15					NB-49-15-SL (14.0-16.0')		CLAY: tan w/gray and black mottling, plastic, wet	
420		4.0/3.5							CH
	20		60/9000						
		4.0/3.0						CLAY: brown w/gray, slightly plastic w/sand, gravelly	GC
415								CLAY: gray, plastic, wet, trace fine sand and silt	
	25	4.0/3.0				NB-49-25-SL (24.0-26.0')			CH
410			48/8900						
	30	4.0/4.0						CLAY: gray, plastic, wet w/fine gravel, trace fine sand	CH
405		4.0/0.0						NO RECOVERY	
	35								
		2.0/2.0	52/8800					CLAY: gray, plastic, wet w/fine gravel, trace fine sand and gravel	CH
						NB-49-37-SL (30.0-32.0')		SAND: gray, fine grained w/fine gravel	SP
400								Bottom of Hole 38.0'	
	40								

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-49
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	437.84
Date Started:	06/22/04	Northing:	865188.09
Date Finished:	06/22/04	Easting:	827187.93
Geologist:	J. Grupp	Total Depth of Boring:	38.0 feet

Boring: NB-51 (P2-63)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
440			Bkgrd= 56/8400		Bkgrd= 0.2				
	0							TOPSOIL	
435		4.0/4.0						CLAY: brown, slightly plastic, damp, silty	
	5	4.0/4.0	42/8600			NB-51-05-SL (4.0-6.0')			CL
430								CLAY: brown, slightly plastic, moist to wet, silty	
	10	4.0/3.5							CL
425		4.0/4.0	40/8600			NB-51-13-SL (12.0-14.0')		CLAY: brown w/gray mottling, plastic, wet w/silt	CH
	15							CLAY: tan w/gray mottling, plastic, wet soft zone w/trace fine gravel 22-23'	
420		4.0/4.0							
	20	4.0/4.0	46/9000						CH
415								CLAY: grayish brown w/black mottling, plastic, wet	
	25	4.0/4.0				NB-51-25-SL (24.0-26.0')			
410			48/8900						CH
	30	4.0/4.0							
								CLAY: soft, very wet w/fine gravel	CH
405		4.0/0.0	-					NO RECOVERY	
	35								
400		2.0/2.0	52/8800			NB-51-37-SL (36.0-38.0')		CLAY: gray, plastic, wet, trace fine gravel	CH
	40							Bottom of Hole 38.0'	

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-51
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	437.51
Date Started:	06/23/04	Northing:	865249.83
Date Finished:	06/23/04	Easting:	827237.45
Geologist:	J. Grupp	Total Depth of Boring:	36.0 feet

Boring: NB-52 (P2-64)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
440			Bkgrd= 51/9400		Bkgrd= 0.0				
	0	4.0/4.0	52/9700			NB-52-05-SL (4.0-6.0')		TOPSOIL CLAY: brown, slightly plastic, damp, silty, trace fine gravel	CL
435	5	4.0/4.0							
430	10	4.0/4.0	72/9000					CLAY: brown, slightly plastic, wet w/silt and fine gravel	CL
425	15	4.0/4.0				NB-52-13-SL (12.0-14.0')		CLAY: brown, plastic, wet, gravelly	CH
420	20	4.0/4.0	54/9800					CLAY: tan w/black and gray mottling, plastic, wet	CH
415		4.0/4.0							
410	25	4.0/4.0	56/9800			NB-52-23-SL (22.0-24.0')		CLAY: gray, plastic, wet w/fine gravel 30.0-30.5'	CH
	30	4.0/4.0							
405	35	4.0/4.0	62/9400			NB-52-35-SL (34.0-36.0')		CLAY: grayish brown, plastic, wet w/fine gravel GRAVEL: gray, coarse grained w/clay and trace sand	CH GP
400	40							Bottom of Hole 36.0'	

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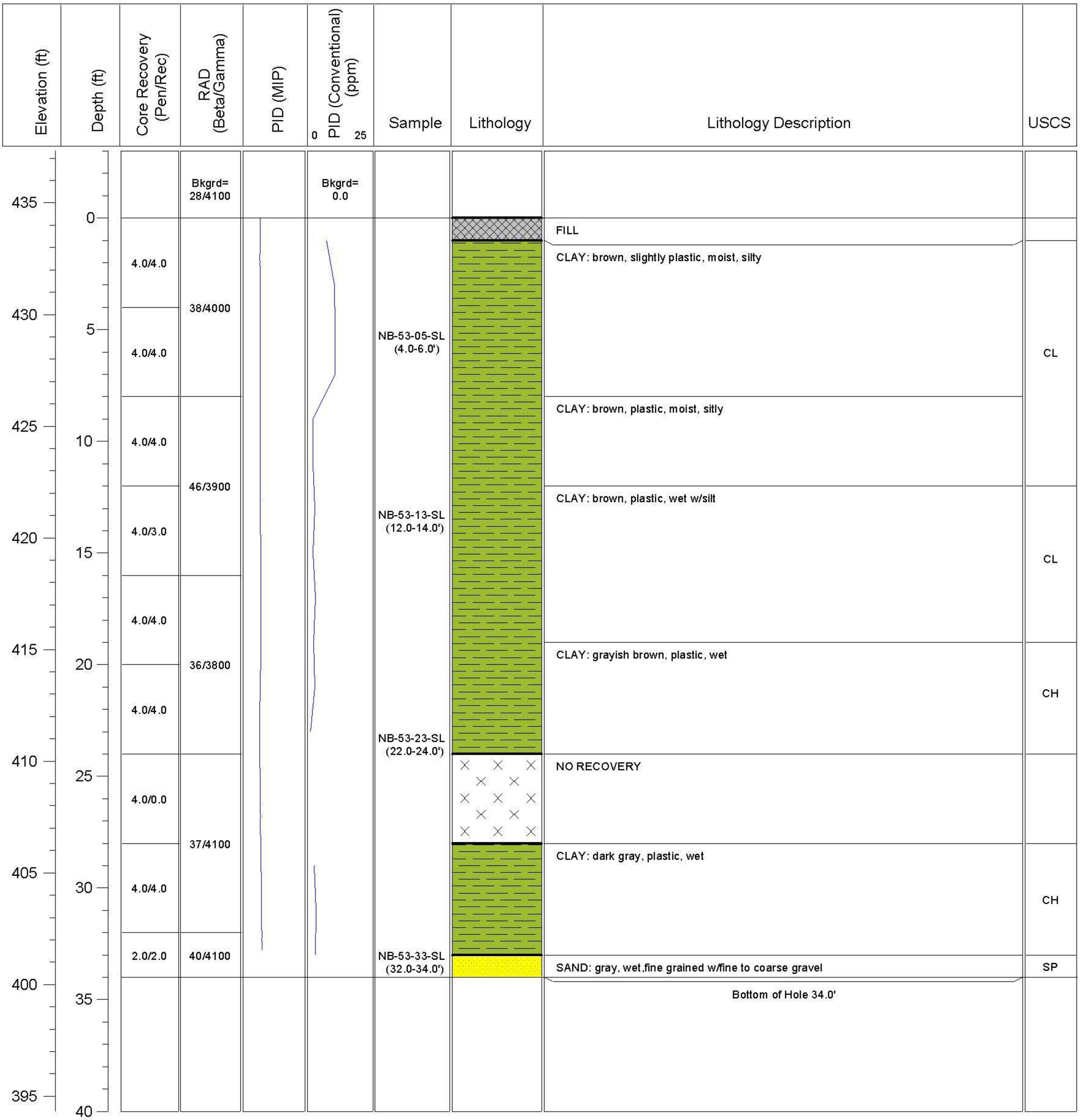
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-52
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	434.32
Date Started:	06/23/04	Northing:	864848.77
Date Finished:	06/23/04	Easting:	826903.08
Geologist:	J. Grupp	Total Depth of Boring:	34.0 feet

Boring: NB-53 (P2-67)



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-53
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	433.61
Date Started:	06/24/04	Northing:	864853.62
Date Finished:	06/24/04	Easting:	826976.78
Geologist:	J. Grupp	Total Depth of Boring:	34.0 feet

Boring: NB-55 (P2-68)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
435			Bkgrd= 39/5000		Bkgrd= 0.2				
	0							ASPHALT	
		4.0/1.5						FILL	
430			38/4700					CLAY: brown, slightly plastic, dry w/silt	CL
	5	4.0/4.0				NB-55-05-SL (4.0-6.0')			
425								CLAY: brown w/gray mottling, slightly plastic, moist, silty	
	10	4.0/4.0							CL
			50/4400					CLAY: brown w/gray mottling, slightly plastic, wet, silty w/trace fine gravel	
420		4.0/4.0				NB-55-13-SL (12.0-14.0')			CL
	15							CLAY: brown, slightly plastic, wet, trace silt	
		4.0/4.0							
415									CL
	20		30/5000						
		4.0/4.0						CLAY: grayish brown, plastic, wet	
410									CH
	25							CLAY: gray, plastic, wet	
		4.0/4.0				NB-55-25-SL (24.0-26.0')			
									CH
405			32/5000						
	30	4.0/2.5							
								SANDY CLAY: gray	CL
									SW
								SAND: fine to coarse grained w/fine gravel	
		2.0/2.0	52/4600			NB-55-33-SL (32.0-34.0')		GRAVEL: gray to brown, wet, fine to coarse grained w/coarse sand	GW
400	35							Bottom of Hole 34.0'	
395	40								

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-55
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	434.75
Date Started:	06/25/04	Northing:	864986.50
Date Finished:	06/25/04	Easting:	827012.56
Geologist:	J. Grupp	Total Depth of Boring:	37.0 feet

Boring: NB-58 (P2-71)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 – 25	Sample	Lithology	Lithology Description	USCS
			Bkgrd= 36/4300		Bkgrd= 0.2				
435	0	4.0/2.5						ASPHALT	
								FILL	
430	5	4.0/4.0	50/4800			NB-58-05-SL (4.0-6.0')		CLAY: grayish brown to brown, slightly plastic, dry, silty	CL
425	10	4.0/4.0	43/5000					CLAY: brown, slightly plastic, damp to moist, silty	CL
420	15	4.0/4.0				NB-58-15-SL (14.0-16.0')			
415	20	4.0/4.0	52/5100					CLAY: grayish brown, plastic, wet w/fine gravel	CH
410	25	4.0/1.0						NO RECOVERY	
405	30	4.0/2.5	28/5000			NB-58-29-SL (28.0-30.0')		CLAY: gray, plastic, wet	CH
400	35	4.0/2.0	40/5200					NO RECOVERY	
		1.0/1.0				NB-58-36-SL (35.0-37.0')		SAND: gray, fine grained w/fine gravel	SP
									GW
								GRAVEL: fine to coarse grained w/coarse sand	
395	40							Bottom of Hole 37.0'	

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Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-58
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	433.60
Date Started:	06/25/04	Northing:	864869.75
Date Finished:	06/25/04	Easting:	827041.18
Geologist:	J. Grupp	Total Depth of Boring:	32.0 feet

Boring: NB-59

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
435			Bkgrd= 32/3600						
	0							FILL	
		4.0/1.0		N/A				CLAY: brown, slightly plastic, damp, silty	
430			38/4900						
	5	4.0/4.0				NB-59-05-SL (4.0-6.0')			CL
425								CLAY: brown w/black mottling, slightly plastic, damp	
	10	4.0/4.0							CL
			42/4500					CLAY: brown, plastic, wet w/fine sand	
420		4.0/4.0				NB-59-13-SL (12.0-14.0')			
	15								CL
		4.0/3.0							
415									
	20		60/4400						
		4.0/3.0						CLAY: grayish brown to gray, plastic, wet	
410									
	25	4.0/2.5				NB-59-25-SL (24.0-26.0')			CH
			46/4200					CLAY: gray, plastic	
405									
	30	4.0/2.0							CH
						NB-59-31-SL (30.0-32.0')		SAND: gray, fine to coarse grained w/fine to coarse gravel	SW
400								Bottom of Hole 32.0'	
	35								
395									
	40								

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-59
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	433.39
Date Started:	07/19/04	Northing:	864718.31
Date Finished:	07/19/04	Easting:	826902.70
Geologist:	J. Grupp	Total Depth of Boring:	32.0 feet

Boring: NB-60 (P2-73)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
435			Bkgrd= 46/4800		Bkgrd= 0.2				
	0							ASPHALT	
		4.0/4.0		N/A				FILL	
430			60/4700					CLAY: brown, plastic, damp, trace silt	CH
	5	4.0/4.0				NB-60-05-SL (4.0-6.0')			
425								CLAY: brown and gray mottling, slightly plastic, moist, silty	CL
	10	4.0/4.0	50/4900						
420		4.0/4.0				NB-60-13-SL (12.0-14.0')			
	15							CLAY: brown, slightly plastic, wet w/fine gravel	CL
415		4.0/3.0						CLAY: brown, plastic, wet, trace fine gravel	CL
	20		56/4800						
		4.0/3.0							
410						NB-60-23-SL (22.0-24.0')		CLAY: gray, plastic, wet	CH
	25	4.0/0.0						NO RECOVERY	
405			55/4600					CLAY: gray, plastic, wet	CH
	30	4.0/2.5						CLAY: gray, plastic, wet, sandy	CH
						NB-60-31-SL (30.0-32.0')		SAND: gray, fine grained w/medium to coarse gravel	SP
400								Bottom of Hole 32.0'	
	35								
395									
	40								

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-60
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	420.05
Date Started:	07/14/04	Northing:	865556.00
Date Finished:	07/14/04	Easting:	827526.00
Geologist:	J. Grupp	Total Depth of Boring:	34.0 feet

Boring: NB-68 (P2-20)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
			Bkgrd= 50/9200		Bkgrd= 0.2				
420	0	4.0/4.0	52/9400	N/A				CLAY: brown, slightly plastic, damp, silty	CL
415	5	4.0/4.0				NB-68-05-SL (4.0-6.0')			
410	10	4.0/4.0	50/10000						
		4.0/4.0				NB-68-13-SL (12.0-14.0')		CLAY: brown, slightly plastic, moist to wet, trace gravel	CL
405	15	4.0/3.0				NB-68-17-SL (16.0-18.0')		GRAVELLY CLAY: brown, plastic, wet	CH
400	20	4.0/1.5	51/9600					CLAY: gray, plastic, wet	CH
								NO RECOVERY	
395	25	4.0/2.5	53/9500			NB-68-25-SL (24.0-26.0')		CLAY: gray, plastic, wet	CH
390	30	4.0/0.0						NO RECOVERY	
		2.0/2.0	52/9400			NB-68-33-SL (32.0-34.0')		CLAY: gray, plastic, wet	CH
								SAND: gray, med. to coarse grained w/fine gravel	SW
385	35							Bottom of Hole 34.0'	
	40								

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-68
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	432.99
Date Started:	07/14/04	Northing:	865567.00
Date Finished:	07/14/04	Easting:	827654.00
Geologist:	J. Grupp	Total Depth of Boring:	35.0 feet

Boring: NB-69 (P2-21)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
435			Bkgrd= 52/10500		Bkgrd= 0.4				
430	0	4.0/4.0	54/10200			NB-69-05-SL (4.0-6.0')		CLAY: brown, slightly plastic, damp, silty	CL
425	5	4.0/4.0							
420	10	4.0/3.0	52/10000					CLAY: brown w/gray mottling, slightly plastic, damp to moist, silty	CL
415	15	4.0/2.0				NB-69-15-SL (14.0-16.0')		CLAY: brown, slightly plastic, moist, sandy w/fine gravel	CL
410	20	4.0/4.0	52/10500			NB-69-22-SL (21.0-23.0')		CLAY: gray w/brown mottling, plastic, wet	CH
405	25	4.0/2.0							
400	30	4.0/0.0	49/10100					NO RECOVERY	
395	35	4.0/3.0						CLAY: gray, plastic, wet	CH
	40	3.0/3.0				NB-69-34-SL (33.0-35.0')		SAND: gray, fine to coarse grained w/fine gravel	SW
								Bottom of Hole 35.0'	

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-69
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	433.79
Date Started:	07/14/04	Northing:	865579.00
Date Finished:	07/14/04	Easting:	827787.00
Geologist:	J. Grupp	Total Depth of Boring:	35.0 feet

Boring: NB-70 (P2-22)

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
435			Bkgrd= 66/9800		Bkgrd= 0.0				
	0	4.0/2.0	76/10200					CLAY: brown, slightly plastic, dry to damp, silty	
430	5	4.0/4.0	68/10200			NB-70-05-SL (4.0-6.0')			CL
425	10	4.0/4.0							
			58/9800					CLAY: brown w/gray mottling, slightly plastic, moist to wet, silty	
420		4.0/4.0							CL
	15					NB-70-15-SL (14.0-16.0')		CLAY: brown, plastic, wet w/fine gravel	
		4.0/3.5							CL
415	20		62/10000					CLAY: gray, plastic, wet	CH
		4.0/4.0						CLAY: gray w/brown, plastic w/fine gravel intermixed	
410						NB-70-23-SL (22.0-24.0')			
	25	4.0/3.5							CH
405			46/9700						
	30	4.0/2.0						SANDY CLAY: gray, plastic, wet	CH
		3.0/2.0				NB-70-33-SL (32.0-34.0')		SAND: gray, fine grained w/trace fine gravel	SP
400	35							GRAVEL: gray, fine grained w/coarse sand	GP
								Bottom of Hole 35.0'	
395	40								

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	NB-70
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	433.22
Date Started:	07/01/04	Northing:	865005.46
Date Finished:	07/01/04	Easting:	827474.14
Geologist:	J. Grupp	Total Depth of Boring:	34.0 feet

Boring: OA-18

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
435			Bkgrd= 36/5600						
	0	4.0/4.0						ASPHALT	
								CLAY: brown w/gray mottling, slightly plastic, damp, silty	CL
430			32/5400						
	5	4.0/4.0						CLAY: brown w/gray and black mottling, slightly plastic, damp, silty	CL
						OA-18-03-SL (2.0-4.0')			
425								CLAY: tan, plastic, moist	
	10	4.0/4.0							CH
			38/5600						
420								CLAY: tan w/gray mottling, plastic, moist, trace fine gravel	CH
		4.0/4.0							
	15							CLAY: tan w/gray mottling, plastic, moist	CH
415		4.0/4.0				OA-18-17-SL (16.0-18.0')		GRAVELLY CLAY: tan	CL
								CLAY: grayish brown, plastic, moist, trace fine gravel	CH
	20		36/5800						
		4.0/4.0						CLAY: grayish brown w/tan mottling, plastic, moist, trace fine gravel	
410									CH
	25					OA-18-25-SL (24.0-26.0')			
		4.0/3.5							
405								CLAY: grayish brown, plastic, moist, trace fine gravel and silt	
			32/5400						
	30	4.0/3.0							CH
								CLAY: olive gray, slightly plastic w/silt	
400		2.0/2.0				OA-18-33-SL (32.0-34.0')			CL
	35							Bottom of Hole 34.0'	
395									
	40								

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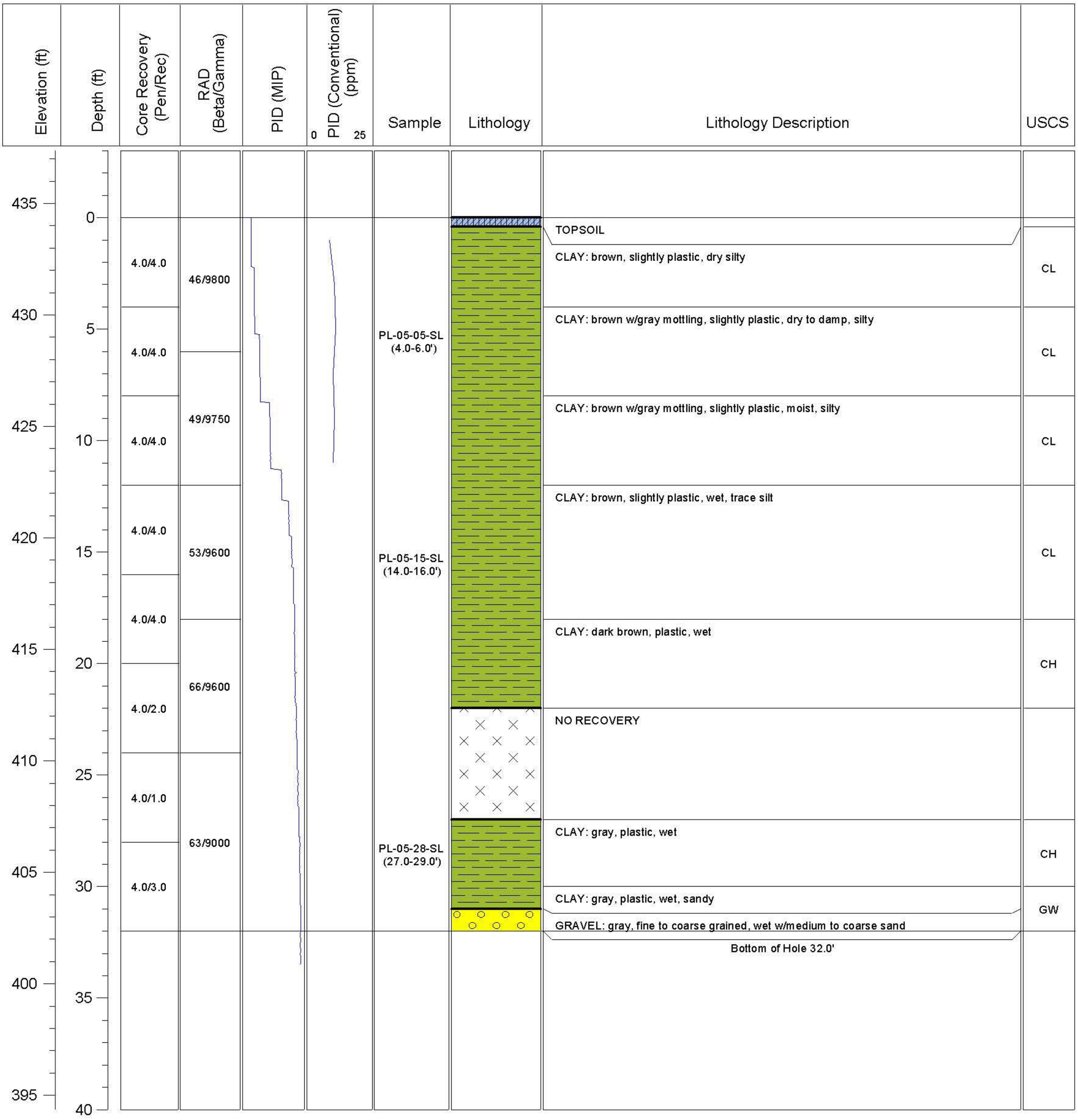
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	OA-18
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	434.36
Date Started:	06/07/04	Northing:	864217.00
Date Finished:	06/07/04	Easting:	826955.00
Geologist:	J. Grupp	Total Depth of Boring:	32.0 feet

Boring: PL-05



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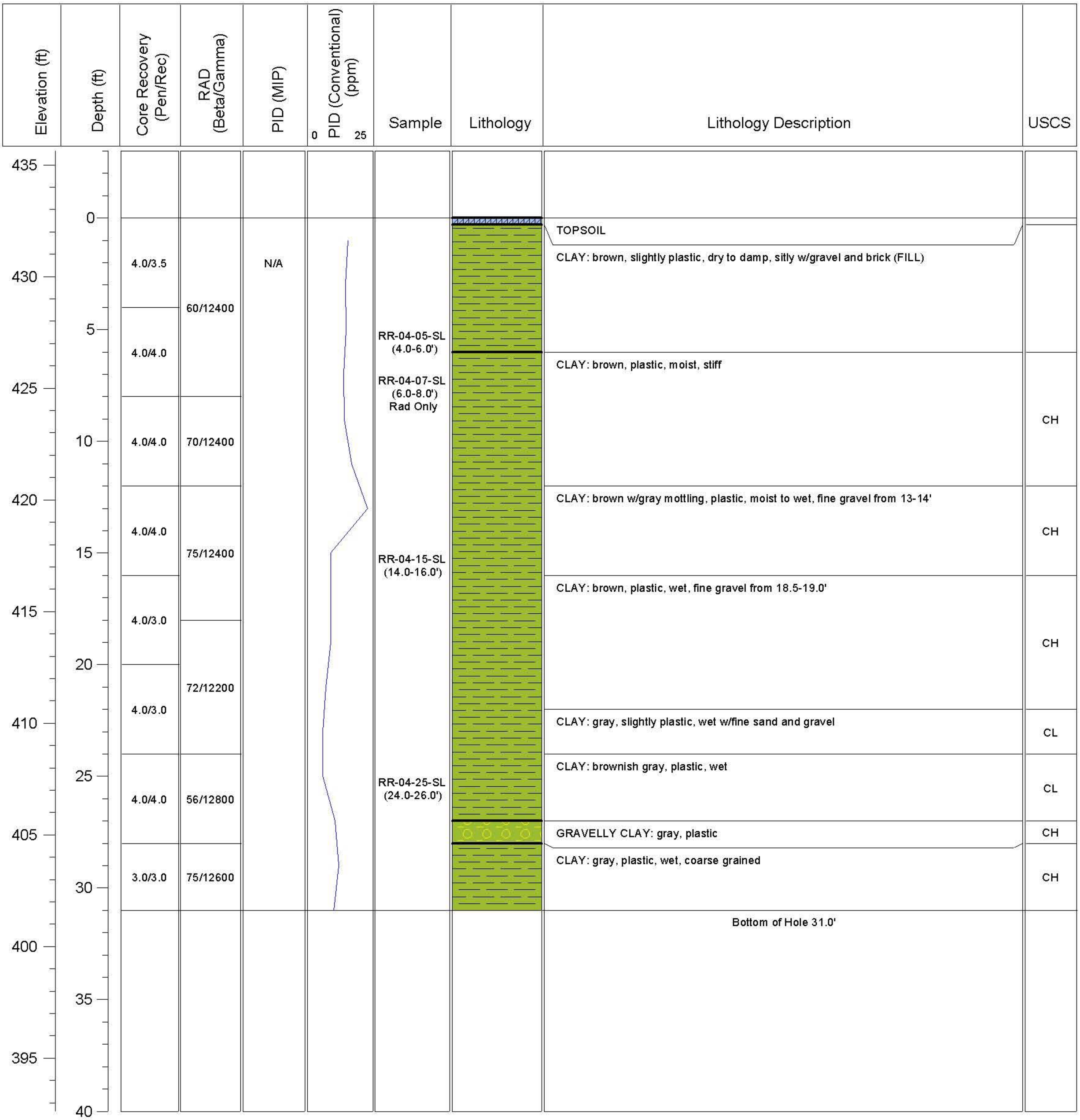
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	PL-05
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	432.62
Date Started:	06/02/04	Northing:	864606.53
Date Finished:	06/02/04	Easting:	826626.90
Geologist:	J. Grupp	Total Depth of Boring:	31.0 feet

Boring: RR-04



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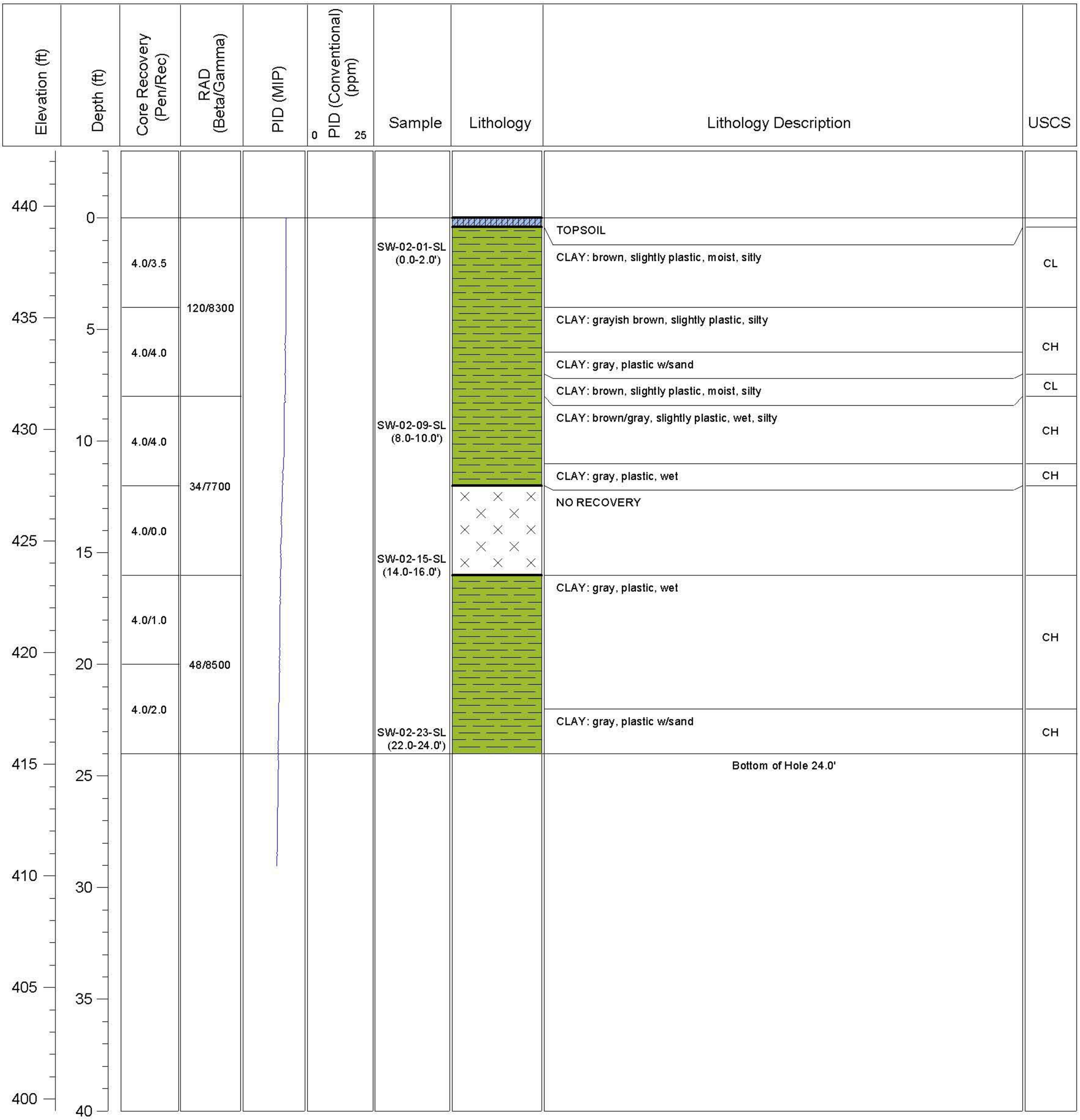
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	RR-04
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	439.47
Date Started:	06/14/04	Northing:	864488.78
Date Finished:	06/14/04	Easting:	826653.51
Geologist:	J. Grupp	Total Depth of Boring:	24.0 feet

Boring: SW-02



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	SW-02
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	439.47
Date Started:	05/27/04	Northing:	864520.00
Date Finished:	05/27/04	Easting:	826715.00
Geologist:	J. Grupp	Total Depth of Boring:	25.0 feet

Boring: SW-05

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
					Bkgrd= 1.0				
440	0							TOPSOIL	
		4.0/4.0		N/A				CLAY: brown, slightly plastic, moist silty	
435	5		42/9340					CLAY: brown w/gray mottling, slightly plastic, moist, silty	CL
		4.0/4.0							
430	10	4.0/4.0	44/8750			SW-05-08-SL (7.0-9.0)			
						SW-05-12-SL (11.0-13.0)		CLAY: brown, plastic, wet	
425	15	4.0/4.0	50/9000						CH
		4.0/3.0						NO RECOVERY	
420	20							CLAY: brown, plastic, wet	
		4.0/4.0	45/9200					CLAY: grayish brown, plastic, wet	
415	25	4.0/3.0	35/9100					SAND: gray, fine grained	SP
								Bottom of Hole 27.0'	
410	30								
405	35								
400	40								

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	SW-05
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	429.58
Date Started:	05/27/04	Northing:	864372.00
Date Finished:	05/27/04	Easting:	826717.00
Geologist:	J. Grupp	Total Depth of Boring:	25.0 feet

Boring: SW-06

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
430	0								
		4.0/4.0	44/8800	N/A		SW-06-05-SL (4.0-6.0)		TOPSOIL CLAY: brown, slightly plastic, dry, silty	CL
425	5	4.0/4.0						CLAY: brown, slightly plastic, moist, silty	CL
		4.0/4.0	40/8600					CLAY: brown w/gray and black, plastic, moist	CL
420	10	4.0/4.0						CLAY: brown w/trace black, plastic, wet w/gravel	
415	15	4.0/4.0				SW-06-13-SL (12.0-14.0)			CH
		4.0/4.0	62/9350						
410	20	4.0/4.0						CLAY: grayish brown, plastic, wet	CH
405	25	1.0/1.0	42/8450			SW-06-23-SL (22.0-24.0)		CLAY: dark gray, plastic, wet, trace fine gravel	CH
								Bottom of Hole 25.0'	
400	30								
395	35								
390	40								

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	SW-06
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Contractor:	IPS
Location:	Hematite, MO	Drilling Method:	Direct Push
Project:	Hematite Remedial Investigation	Surf. Elev:	426.63
Date Started:	06/01/04	Northing:	864110.00
Date Finished:	06/01/04	Easting:	826739.00
Geologist:	J. Grupp	Total Depth of Boring:	28.0 feet

Boring: SW-08

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 25	Sample	Lithology	Lithology Description	USCS
425	0	4.0/4.0	N/A	N/A				CLAY: brown, slightly plastic, moist, silty	CL
420	5	4.0/4.0				SW-08-05-SL (4.0-6.0)		CLAY: grayish brown, slightly plastic, wet w/fine sand and trace gravel	CL
415	10	4.0/4.0						CLAY: brown w/gray mottling, plastic, trace gravel	CH
410	15	4.0/4.0				SW-08-15-SL (14.0-16.0)			
405	20	4.0/0.0						NO RECOVERY	
		4.0/3.5						CLAY: brownish gray, plastic, wet, trace of fine gravel	CH
								CLAY: gray, slightly plastic, wet, sandy	CL
								SAND: gray to brown, wet, fine sand grained	SP
400	25	4.0/2.0				SW-08-25-SL (24.0-26.0)		GRAVEL: brown, wet, coarse w/medium to coarse sand	GW
395	30							Bottom of Hole 28.0'	
390	35								
	40								

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	SW-08
Sheet:	1 of 1

Boring: BR-6-OB

Client	Westinghouse Electric Company
Location:	Hematite, MO
Project:	Hematite Remediation Investigation
Date Started:	07/02/04
Date Finished:	07/16/04
Geologist:	T. Calhoun
Drilling Contractor:	Geotechnology

Drilling Method:	Rotary
Surf. Elev.	422.44
Northing:	863681.11
Easting:	827465.75
Total Depth of Boring:	26.0 feet
Top of Casing:	425.84
Total Depth of Well:	24.8 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	Rad(Beta/Gamma)	PID(ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Desc.
			Bkgr= 28/3559	Bkgrnd= 1.0						Protective Casing (4")
425	0		No rad readings above bkgrd				DGA			2.0' x 2.0' x 0.5' Concrete Pad
		2.0/1.6					SILTY SANDY CLAY: brown, slightly plastic, damp,	CL		2" Sch 80 PVC Riser
420	5	2.0/1.6			NB-62-05-SL (2.0-7.0')					High Solids Bentonite Grout (Tremied)
		2.0/1.5								
		2.0/1.0					SAND: brown, compact, damp to moist, poorly graded, w/occasional gravels up to 1/4", more gravel with increasing depth, wet at 12.0'	SP		0.25" Bentonite Pellets
415	10	2.0/1.0								Secondary Filter Pack (100 mesh)
		2.0/1.0			NB-62-12-SL (10.0-14.0')					
	15	2.0/0.0					NO RECOVERY			Primary Filter Pack (10/20 mesh)
410		2.0/1.0					SANDY GRAVEL: brown, loose to compact, wet, well-graded, gravels up to 1"	GW		2" Sch. 80 PVC Screen, 0.010" Slot
		2.0/0.6								
405	20	2.0/0.0					NO RECOVERY			
		2.0/0.7			NB-62-22-SL (18.0-26.0')		SANDY GRAVEL: gray, loose to compact, wet, well-graded, gravels up to 1"	GW		
400	25	2.0/0.6								
	30						Bottom of Hole 26.0'		Bottom of Well 24.8'	
395										
390	35									
385	40									
380	45									
	50									

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Client:	Westinghouse Electric Company
Project:	Hematite Remediation Investigation
Location:	Hematite, MO
Borehole:	BR-6-OB
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.58
Project:	Hematite Remediation Investigation	Northing:	864793.44
Date Started:	05/25/04	Easting:	828593.22
Date Finished:	06/30/04	Total Depth of Boring:	24.6 feet
Geologist:	Todd Calhoun	Top of Casing:	421.54
Drilling Contractor:	Geotechnology	Total Depth of Well:	23.7 feet

Boring: BR-8-OB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	Rad(Beta/Gamma)	PID(ppm) 0 25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Desc.
420				Bkgrd= 2.6						Protective Casing (4")
	0						DGA			2.0' x 2.0' x 0.5' Concrete Pad
		2.0/1.5	No rad readings above bkgrd		NB-29-02-SL (1.0-3.0')		SILTY CLAY: brown, plastic, damp w/sand lenses			2" Sch 40 PVC Riser
415		2.0/1.8						CL		High Solids Bentonite Grout (Tremied)
	5	2.0/2.0			NB-29-05-SL (3.0-5.0')					
		2.0/2.0								0.25" Bentonite Pellets
410							SANDY GRAVEL: brown, moist to wet, compact, well graded, sub-angular to angular up to 1"			
	10	2.0/0.0								Secondary Filter Pack (100 mesh)
		2.0/1.1			NB-29-13-SL (11.0-13.0')					Primary Filter Pack (10/20 mesh)
405		2.0/1.4								
	15	2.0/0.4						GW		
		2.0/0.4								2" Sch. 40 PVC Screen, 0.010" Slot
400										
	20	2.0/1.1								
		2.0/1.4			NB-29-22-SL (21.0-23.0')					
395		2.0/0.8								
	25						Bottom of Hole/Top of Bedrock 24.6'		Bottom of Well 23.7'	
390										
	30									
385										
	35									
380										
	40									
375										
	45									
370										
	50									

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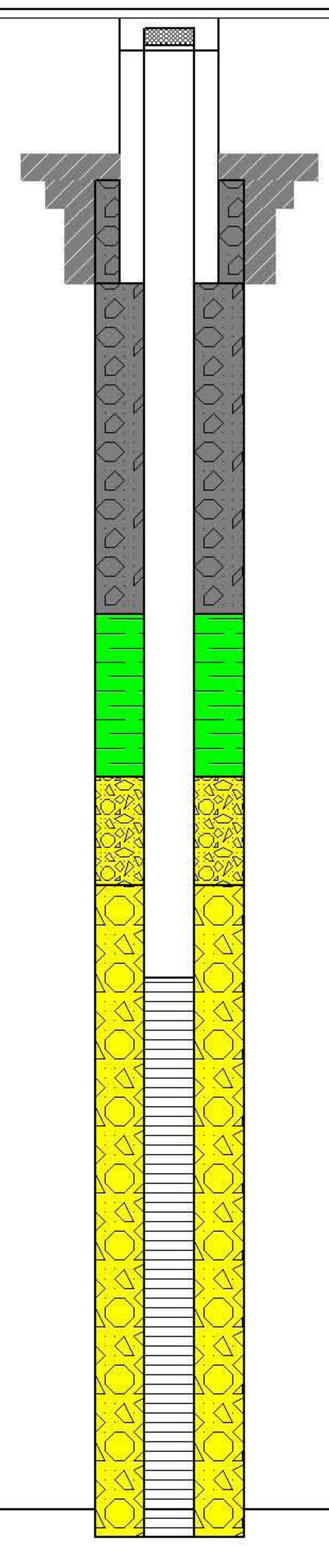
Client:	Westinghouse Electric Company
Project:	Hematite Remediation Investigation
Location:	Hematite, MO
Borehole:	BR-8-OB
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.93
Project:	Hematite Remedial Investigation	Northing:	864343.18
Date Started:	864343.18	Easting:	828681.05
Date Finished:	07/29/04	Total Depth of Boring:	24.7 feet
Geologist:	J. Upcraft	Top of Casing:	421.58
Drilling Contractor:	Geotechnology	Total Depth of Well:	25.0 feet

Boring: BR-10-OB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	Rad(Beta/Gamma)	PID(ppm) 0–25	Sample	Lithology	Lithology Description	USCS	Well Construction	Well Construction Desc.
420										Protective Casing (4")
	0						DGA			2.0' x 2.0' x 0.5' Concrete Pad
		4.0/3.1	No rad readings above bkgrd				SILTY CLAY: brown, damp, w/slight limonite mottling	CL		2" Sch 80 PVC Riser High Solids Bentonite Grout (Tremied)
415	5	4.0/3.3					SANDY CLAY: brown, damp to moist, sand w/ fine grained sand	CL		
410	10	2.0/1.7					SANDY CLAY: brown, moist to wet, w/small gravels	CL		0.25" Bentonite Pellets
405	15	6.0/4.0					SANDY GRAVEL: brown, wet, 1/4" to 1.0" in diameter	GW		Secondary Filter Pack (100 mesh) Primary Filter Pack (10/20 mesh)
		2.0/1.7					CLAY: gray, plastic, wet	CH		
400	20						SILTY SAND: gray, wet w/gravel	SW		
		2.0/1.8					SANDY GRAVEL: gray, wet	GW		2" Sch. 80 PVC Screen, 0.010" Slot
395		1.5/1.5					SANDY GRAVEL: brown, wet	GW		
	25						Bottom of Hole 24.7'		Bottom of Well 25.0'	
390	30	2.0/1.6								
385	35									
380	40									
375	45									
370	50									



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-10-OB
Sheet:	1 of 1

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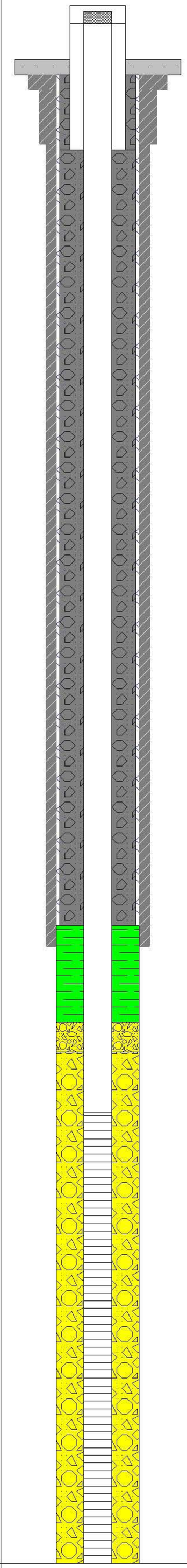
Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.11
Project:	Hematite Remedial Investigation	Northing:	863896.50
Date Started:	08/04/04	Easting:	828126.60
Date Finished:	08/11/04	Total Depth of Boring:	49.5 feet
Geologist:	J. Upcraft	Top of Casing:	420.58
Drilling Contractor:	Geotechnology	Total Depth of Well:	49.5 feet

Boring: BR-3-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description
420						
	0					OVERBURDEN: not logged
415						
	5					
410						
	10					
405						
	15					
400						
	20					
395						Top of Bedrock 24.0'
	25					DOLOMITE: gray, hard, sandy
390		10.0/9.3	65			
	30					DOLOMITE: gray, hard, silty, crystalline
385						
	35					DOLOMITE: gray, very hard, sandy, pitted, crystalline
380		10.0/10.0	85			
	40					
375						
	45	5.5/5.5	95			
370						
	50					Bottom of Hole 49.5'



Well Construction Desc.
Protective Casing (4")
2.0' x 2.0' x 0.5' Concrete Pad
2" Sch 80 PVC Riser
6" Steel Isolation Casing
High Solids Bentonite Grout (Tremied)
Portland Cement
High Solids Bentonite Grout (Tremied)
0.25" Bentonite Pellets
Secondary Filter Pack (100 Mesh)
Primary Filter Pack (10/20 Mesh)
2" Sch. 80 PVC Screen, 0.010" Slot
Bottom of Well 49.5'

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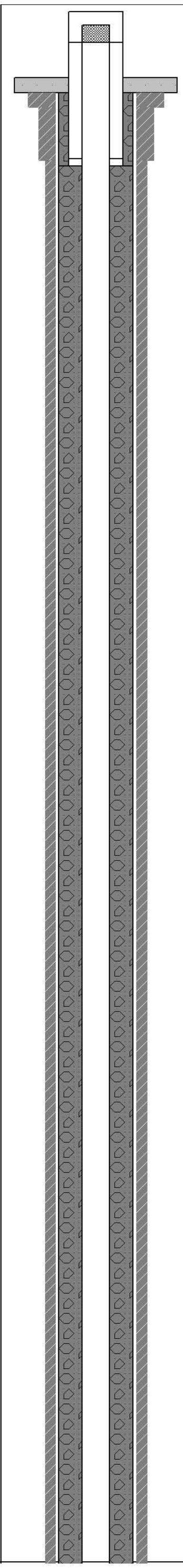
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-3-JC
Sheet:	1 of 1

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	436.60
Project:	Hematite Remedial Investigation	Northing:	866396.77
Date Started:	07/28/04	Easting:	828849.90
Date Finished:	08/06/04	Total Depth of Boring:	139.0 feet
Geologist:	J. Bostwick	Top of Casing:	439.28
Drilling Contractor:	Geotechnology	Total Depth of Well:	137.9 feet

Boring: BR-5-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
						Lithology taken from BR-5-RB		Protective Casing (4")
	0					FILL: DGA		2.0' x 2.0' x 0.5' Concrete Pad
435		Overburden: Drilled without sampling 10" air rotary to 59.0' 6" air rotary to 139.0'				CLAY: brown to reddish brown, plastic, damp, medium stiff, trace of roots		2" Sch 80 PVC Riser
	5							6" Steel Isolation Casing
430						CLAY: with silt, brown, plastic, moist, medium stiff		
	10					CLAY: brown, plastic, damp to moist, stiff		Portland Cement
425						CLAY: gray, plastic, damp to moist, stiff, trace of gravel at 13.5', moist to wet at 16.0'		
	15							High Solids Bentonite Grout (Tremied)
420						CLAY: brown, plastic, wet		
	20							
415						CLAY: reddish brown plastic, wet		
	25							
410								
	30							
405						SAND: brown to light brown, non-plastic, wet, medium density with silt		
	35					CHERTY GRAVEL: light brown to brown, hard, non-plastic, wet, with medium sand, trace clay		High Solids Bentonite Grout (Tremied)
400						Top of Bedrock 39.0'		
	40					DOLOMITE: gray, hard, fine grained, slightly weathered along bedding planes		
395								
	45							
390						DOLOMITE: gray, hard, sandy, pitted/vuggy		
	50							



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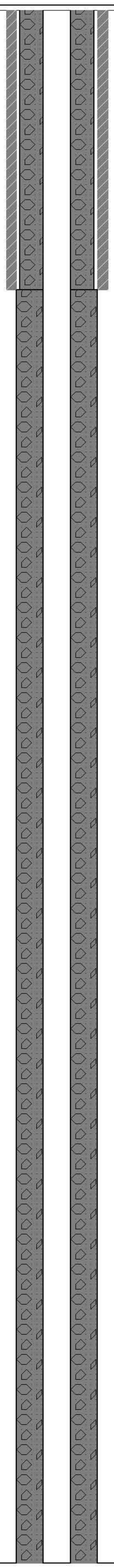
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-5-JC
Sheet:	1 of 3

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	436.60
Project:	Hematite Remedial Investigation	Northing:	866396.77
Date Started:	07/28/04	Easting:	828849.90
Date Finished:	08/06/04	Total Depth of Boring:	139.0 feet
Geologist:	J. Bostwick	Top of Casing:	439.28
Drilling Contractor:	Geotechnology	Total Depth of Well:	137.9 feet

Boring: BR-5-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
385, 380, 375, 370, 365, 360, 355, 350, 345, 340	50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100					DOLOMITE: gray, very hard, silty DOLOMITE: gray, very hard, silty to sandy, crystalline, pitted/vuggy chert 78.1-78.6' DOLOMITE: gray, hard, micritic w/wavy green/gray shale laminae DOLOMITE: gray, hard, sandy, pitted/vuggy, slightly weathered along bedding planes DOLOMITE: gray, very hard, fine grained with gray shale laminae sand lenses 108.2-110.5' chert 111.7-112.0'		High Solids Bentonite Grout (Tremied) High Solids Bentonite Grout (Tremied)



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-5-JC
Sheet:	2 of 3

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	436.60
Project:	Hematite Remedial Investigation	Northing:	866396.77
Date Started:	07/28/04	Easting:	828849.90
Date Finished:	08/06/04	Total Depth of Boring:	139.0 feet
Geologist:	J. Bostwick	Top of Casing:	439.28
Drilling Contractor:	Geotechnology	Total Depth of Well:	137.9 feet

Boring: BR-5-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
335	100							
330	105							
325	110							0.25" Bentonite Pellets
320	115							Secondary Filter Pack (100 Mesh)
315	120							Primary Filter Pack (10/20 Mesh)
310	125							2" Sch. 80 PVC Screen, 0.010" Slot
305	130					DOLOMITE: gray, very hard, sandy, turbid, cherty		
300	135					DOLOMITE: gray, very hard, micritic w/wavy gray shale lamine		
295	140					DOLOMITE: gray, verry hard, silty, crystalline		
290	145					SANDSTONE: (QUARTZ ARENITE), gray, very hard, crystalline, calcareous		
	150					DOLOMITE: gray, very hard, sandy, pitted		
						DOLOMITE: gray, hard, silty w/wavy gray/black shale laminae		
						Bottom of Hole 139.0'	Bottom of Well 137.9'	

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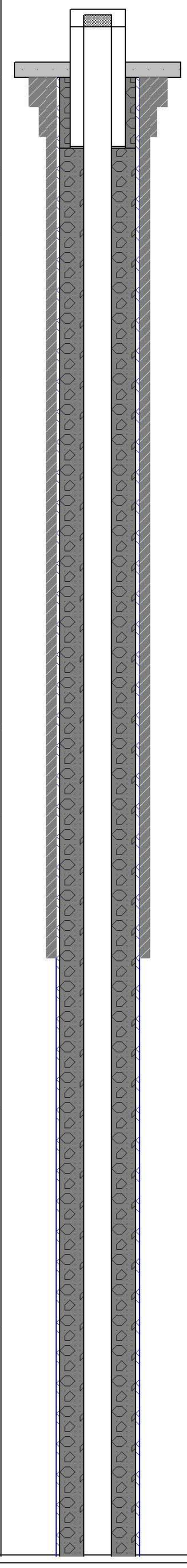
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-5-JC
Sheet:	3 of 3

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	476.76
Project:	Hematite Remedial Investigation	Northing:	864147.10
Date Started:	07/01/04	Easting:	829606.27
Date Finished:	08/10/04	Total Depth of Boring:	150.0 feet
Geologist:	J. Bostwick	Top of Casing:	479.27
Drilling Contractor:	Geotechnology	Total Depth of Well:	150.0 feet

Boring: BR-7-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
								Protective Casing (4")
	0					Lithology taken from BR-7-RB		2.0' x 2.0' x 0.5' Concrete Pad
475		Overburden: Drilled without sampling 10" air rotary to 29.8' 6" air rotary to 150.0'				GRAVEL Top of Bedrock 3.0'		2" Sch 80 PVC Riser
	5					DOLOMITE: brown, hard, micritic, weathered		
470						DOLOMITE: gray/brown, hard, sandy, slightly weathered		
	10							6" Steel Isolation Casing
465						DOLOMITE: brown/gray, hard, micritic, slightly weathered w/wavy black shale laminae		
460	15							
	20							Portland Cement
455						SANDSTONE: brown/gray, hard, crystalline, slightly weathered chert 247-25.0'		
	25					DOLOMITE: brown/gray, very hard, sandy, slightly weathered		
450								
	30							High Solids Bentonite Grout (Tremied)
445								
	35					DOLOMITE: brown/gray, hard, micritic, slightly weathered		
440								
	40							
435						DOLOMITE: brown/gray, very hard, sandy		
	45							
430								
	50							



Westinghouse

Westinghouse Electric Company
Hematite Facility
3300 State Road P
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SAIC
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SAIC
8421 St. John Industrial Drive
St. Louis, Missouri

Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-7-JC
Sheet:	1 of 3

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	476.76
Project:	Hematite Remedial Investigation	Northing:	864147.10
Date Started:	07/01/04	Easting:	829606.27
Date Finished:	08/10/04	Total Depth of Boring:	150.0 feet
Geologist:	J. Bostwick	Top of Casing:	479.27
Drilling Contractor:	Geotechnology	Total Depth of Well:	150.0 feet

Boring: BR-7-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
425	50					DOLOMITE: gray, very hard, turbid, cherty		
						DOLOMITE: gray, very hard, micritic		
420	55					DOLOMITE: gray, very hard, sandy, cherty		High Solids Bentonite Grout (Tremied)
						DOLOMITE: gray, hard, micritic		
415	60					DOLOMITE: gray, very hard, sandy, crystalline, cherty, vuggy		
410	65					DOLOMITE: gray, very hard, micritic w/occasional wavy green shale laminae		
405	70							
400	75							
395	80					DOLOMITE: gray, very hard, micritic w/wavy black shale laminae		
390	85					DOLOMITE: gray, very hard, sandy, crystalline		
385	90					DOLOMITE: gray, very hard, fine-grained turbid 97.6-98.7'		High Solids Bentonite Grout (Tremied)
380	95							
	100							

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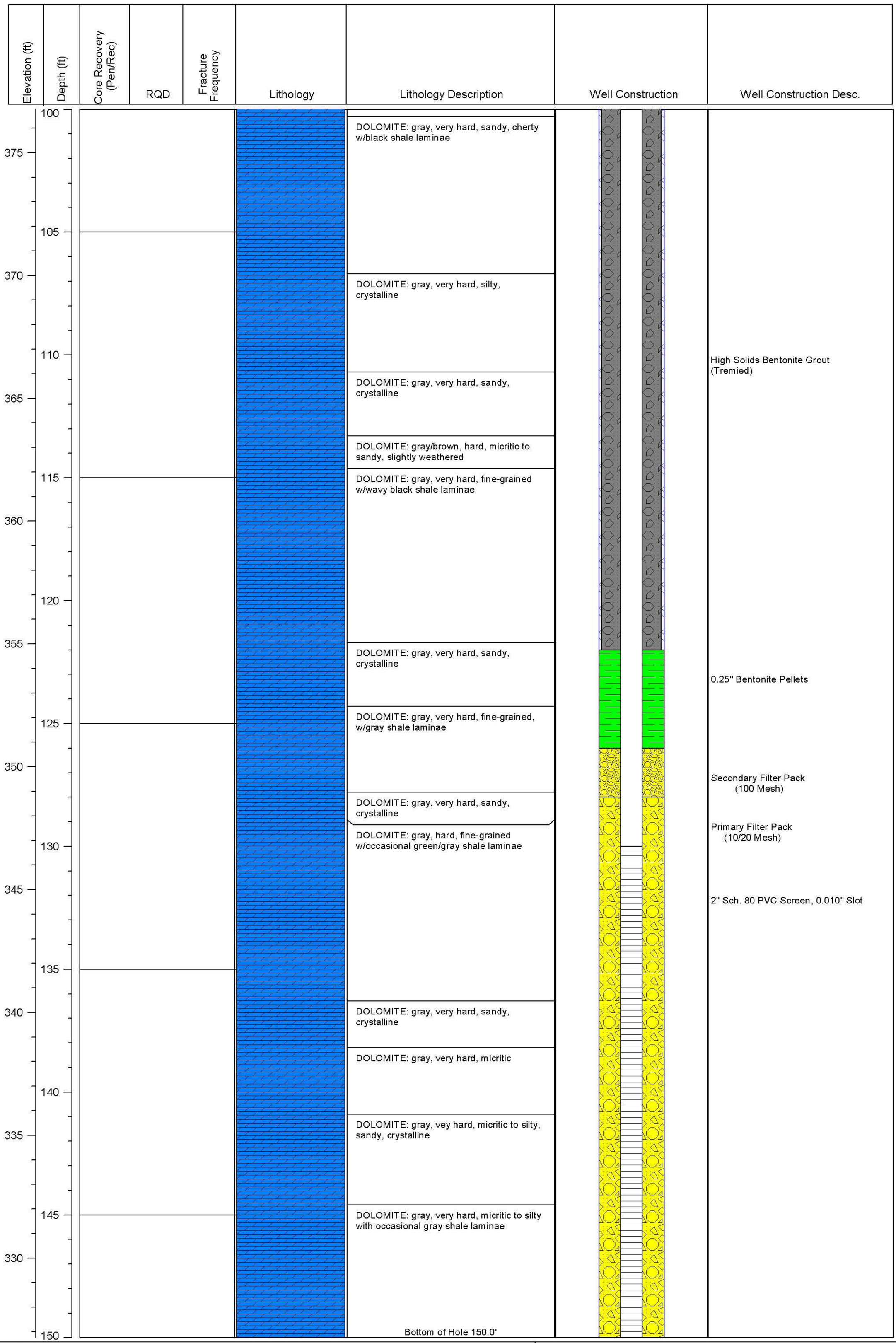
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-7-JC
Sheet:	2 of 3

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	476.76
Project:	Hematite Remedial Investigation	Northing:	864147.10
Date Started:	07/01/04	Easting:	829606.27
Date Finished:	08/10/04	Total Depth of Boring:	150.0 feet
Geologist:	J. Bostwick	Top of Casing:	479.27
Drilling Contractor:	Geotechnology	Total Depth of Well:	150.0 feet

Boring: BR-7-JC



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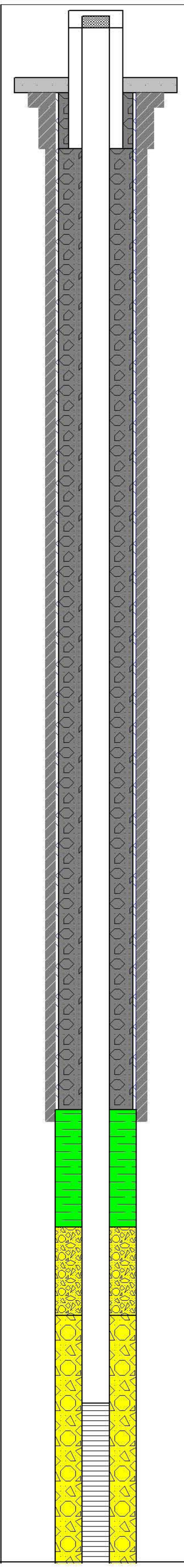
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-7-JC
Sheet:	3 of 3

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.58
Project:	Hematite Remedial Investigation	Northing:	864793.17
Date Started:	06/23/04	Easting:	828597.78
Date Finished:	06/29/04	Total Depth of Boring:	55.3 feet
Geologist:	T. Calhoun	Top of Casing:	421.55
Drilling Contractor:	Geotechnology	Total Depth of Well:	54.9 feet

Boring: BR-8-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology Description
					Drilled w/o sampling
					OVERBURDEN
					Top of Bedrock 24.5'
					NO SAMPLE: 10" air rotary
		3.3/3.3	91	0	DOLOMITE: gray, very hard, sandy w/shale streaks broken shale 38.3-39.1'
		5.0/5.0	50	2	DOLOMIITE: light gray, very hard, fine-grained, crystalline, cherty broken shale 39.8-39.9' vertical fracture 42.7-43.1'
		5.0/4.0	58	2	DOLOMITE: gray, very hard, med. grained, crystalline, sandy, turbid, slightly weathered, shale lense at 46.4', weathered below 48.0'



Well Construction Desc.

- Protective Casing (4")
- 2.0' x 2.0' x 0.5' Concrete Pad
- 2" Sch 80 PVC Riser
- 6" Steel Isolation Casing
- High Solids Bentonite Grout (Tremied)
- Portland Cement
- High Solids Bentonite Grout (Tremied)
- 0.25" Bentonite Pellets
- Secondary Filter Pack (100 Mesh)
- Primary Filter Pack (10/20 Mesh)
- 2" Sch. 80 PVC Screen, 0.010" Slot

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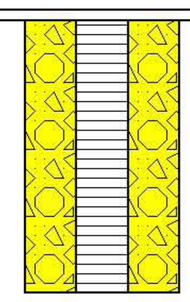
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-8-JC
Sheet:	1 of 2

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.58
Project:	Hematite Remedial Investigation	Northing:	864793.17
Date Started:	06/23/04	Easting:	828597.78
Date Finished:	06/29/04	Total Depth of Boring:	55.3 feet
Geologist:	T. Calhoun	Top of Casing:	421.55
Drilling Contractor:	Geotechnology	Total Depth of Well:	54.9 feet

Boring: BR-8-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
	50					DOLOMITE: light brown to gray, hard, micritic to sandy in zones, slightly weathered to weathered to 51.0' then weathered along bedding planes to 52.4'		
365		2.0/2.0	80	0		DOLOMITE: dark gray,hard to very hard, fine-grained w/shale stringers and partings		
	55					Bottom of Hole 55.3'	Bottom of Well 54.9'	
360	60							
355	65							
350	70							
345	75							
340	80							
335	85							
330	90							
325	95							
320	100							



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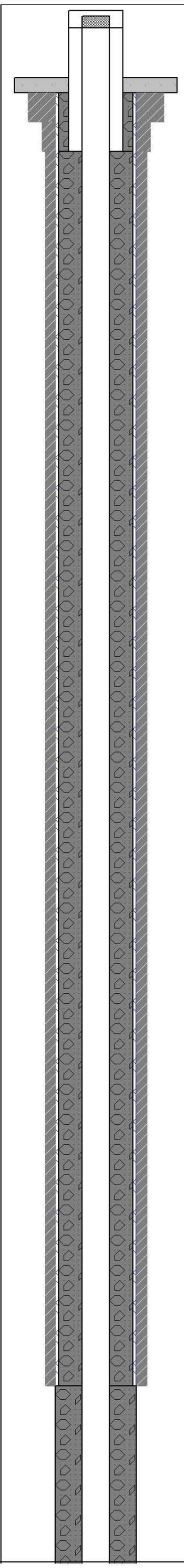
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-8-JC
Sheet:	2 of 2

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	420.39
Project:	Hematite Remedial Investigation	Northing:	865335.21
Date Started:	07/19/04	Easting:	828731.74
Date Finished:	07/28/04	Total Depth of Boring:	88.1 feet
Geologist:	T. Calhoun	Top of Casing:	423.02
Drilling Contractor:	Geotechnology	Total Depth of Well:	89.2 feet

Boring: BR-9-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology Description
420	0				DGA
415	5	2.0/1.2			SILTY CLAY w/SAND, brown, slightly plastic, damp to moist,w/gravels up to 1/4", chert nodules, manganese and limonite mottling, sand increasing w/depth
		2.0/1.8			
		2.0/2.0			
410	10	2.0/2.0			
		2.0/2.0			SANDY GRAVELLY CLAY: brown, slightly plastic, wet, soft, w/gravels up to 1/4"
405	15	2.0/1.8			SANDY CLAY: brown, plastic, wet, medium
					SANDY CLAY: gray, plastic, wet, medium
		2.0/2.0			CLAYEY SAND: gray, plastic, wet, compact, medium grained
		2.0/1.5			SANDY GRAVEL: gray, wet, compact, gravels up to 3/4"
400	20	2.0/1.3			
		2.0/1.3			Top of Bedrock 24.1'
395	25	3.9/3.4	10	3	DOLOMITE: brown, hard, weathered, fractured throughout, void 27.9-29.0' 29.2-31.7 (possible clay seam)
390	30	2.7/2.5	42	1	
					DOLOMITE: gray, very hard, micritic, w/shale stringers
385	35	5.0/2.5	94	1	DOLOMITE: gray, very hard, sandy, vuggy. w/chert bands and green shale laminae, vertical fractures and broken zones 38.3-43.0'
380	40	5.0/5.0	40	3	
		1.0/1.0	100	0	
375	45				NO SAMPLE: 6" air rotary
		1.9/1.9	100	0	DOLOMITE: gray, hard to very hard, micritic w/sandy lenses, green and gray shale laminae vertical fractures 49.0-49.1',51.1-51.4' gray clay seam 50.8-50.9', shale lense at 55.4'
	50				



Well Construction Desc.

- Protective Casing (4")
- 2.0' x 2.0' x 0.5' Concrete Pad
- 2" Sch 80 PVC Riser
- 6" Steel Isolation Casing
- High Solids Bentonite Grout (Tremied)
- High Solids Bentonite Grout (Tremied)

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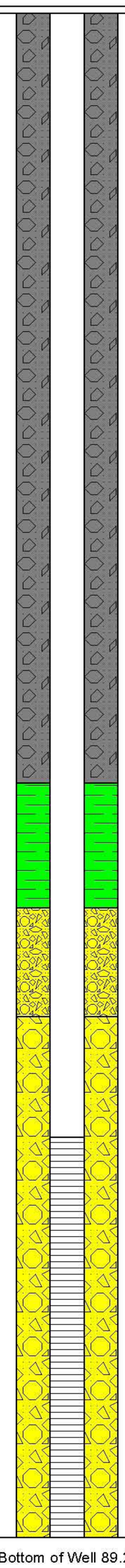
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-9-JC
Sheet:	1 of 2

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	420.39
Project:	Hematite Remedial Investigation	Northing:	865335.21
Date Started:	07/19/04	Easting:	828731.74
Date Finished:	07/28/04	Total Depth of Boring:	88.1 feet
Geologist:	T. Calhoun	Top of Casing:	423.02
Drilling Contractor:	Geotechnology	Total Depth of Well:	89.2 feet

Boring: BR-9-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology Description
370	50	5.1/5.1	78	1	
365	55	4.9/4.9	60	0	
360	60	5.0/5.0	98	0	
355	65	5.1/5.1	90	0	SANDSTONE: gray, med. grained, crystalline, calcareous DOLOMITE: gray, very hard, micritic, w/gray shale stringers shaley 73.6-74.2'
350	70	5.0/5.0	100	0	
345	75	4.9/4.9	96	0	DOLOMITE: gray, hard, sandy, turbid
340	80	5.0/5.0	74	1	
335	85	5.0/5.0	72	0	DOLOMITE: gray, very hard, micritic, w/gray shale stringers shaley 77.8-78.2' vertical fractures 82.6-82.9' chert band 85.0-86.0, '86.4-86.5' slightly weathered 86.5-87.3'
					NO SAMPLE: 6" air rotary
330	90				Bottom of Hole 89.2'
325	95				
	100				



Well Construction Desc.

- High Solids Bentonite Grout (Tremied)
- 0.25" Bentonite Pellets
- Secondary Filter Pack (100 Mesh)
- Primary Filter Pack (10/20 Mesh)
- 2" Sch. 80 PVC Screen, 0.010" Slot

Bottom of Well 89.2'

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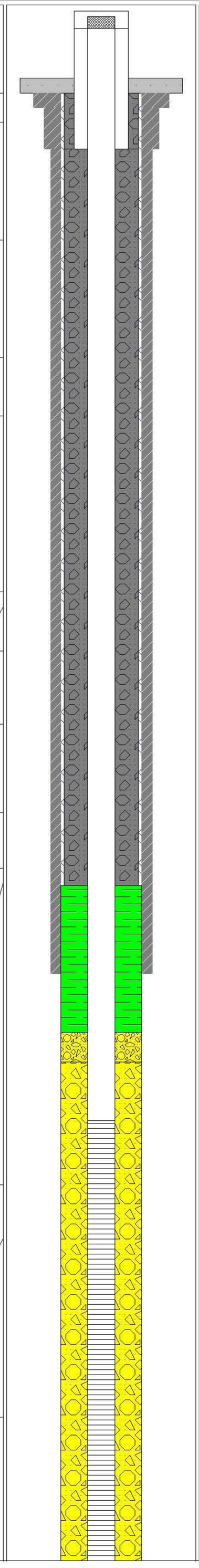
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-9-JC
Sheet:	2 of 2

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.80
Project:	Hematite Remedial Investigation	Northing:	864348.15
Date Started:	07/21/04	Easting:	828685.52
Date Finished:	08/03/04	Total Depth of Boring:	60.0 feet
Geologist:	J. Upcraft	Top of Casing:	421.75
Drilling Contractor:	Geotechnology	Total Depth of Well:	50.0 feet

Boring: BR-10-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology Description
420					
	0				DGA
		4.0/3.1			SILTY CLAY: brown, damp, w/slight limonite mottling
415					
	5				SANDY CLAY: brown, damp to moist, sand w/ fine grained sand
		4.0/3.3			
410					
	10	2.0/1.7			SANDY CLAY: brown, moist to wet, w/small gravels
					SANDY GRAVEL: brown, wet, 1/4" to 1.0" in diameter
405		6.0/4.0			
	15				
		2.0/1.7			CLAY: gray, plastic, wet
					SILTY SAND: gray, wet w/gravel
400					
	20	2.0/1.6			SANDY GRAVEL: gray, wet
		2.0/1.8			SANDY GRAVEL: brown, wet
		1.5/1.5			
395					Top of Bedrock 24.5'
	25				DOLOMITE: gray/brown, hard, sandy, weathered
		3.3/2.8	20	1	
					SANDSTONE: brown, hard, medium grained, weathered, friable
390					DOLOMITE: brown/gray, hard, fine grained, w/wavy black shale laminae, weathered along bedding planes to 33.6'
	30	5.0/4.8	53	0	
385					
	35	6.2/6.1	66	1	
					DOLOMIITE: brown, hard, micritic, weathered styolitic 37.7-38.3'
380					
	40				DOLOMITE: gray, very hard, silty, w/wavy black shale laminae and lenses, weathered (water stained) 42.5-44.5' sandy 44.6-45.1'
375		9.0/7.7	58	2	
	45				DOLOMITE: gray, very hard, micritic, w/wavy green shale laminae
370		1.5/1.5		1	
	50				



Well Construction Desc.

- Protective Casing (4")
- 2.0' x 2.0' x 0.5' Concrete Pad
- 2" Sch 80 PVC Riser
- 6" Steel Isolation Casing
- Portland Cement
- High Solids Bentonite Grout (Tremied)
- 0.25" Bentonite Pellets
- Secondary Filter Pack (100 Mesh)
- Primary Filter Pack (10/20 Mesh)
- 2" Sch. 80 PVC Screen, 0.010" Slot
- Bottom of Well 50.0'

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-10-JC
Sheet:	1 of 2

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.80
Project:	Hematite Remedial Investigation	Northing:	864348.15
Date Started:	07/21/04	Easting:	828685.52
Date Finished:	08/03/04	Total Depth of Boring:	60.0 feet
Geologist:	J. Upcraft	Top of Casing:	421.75
Drilling Contractor:	Geotechnology	Total Depth of Well:	50.0 feet

Boring: BR-10-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
	50	3.0/2.8	81	1		DOLOMITE: gray, very hard, sandy, pitted/vuggy		
365	55	4.0/4.0	94	1				
360		3.0/2.8	89	1				
	60					Bottom of Hole 60.0'		
355	65							
350	70							
345	75							
340	80							
335	85							
330	90							
325	95							
320	100							

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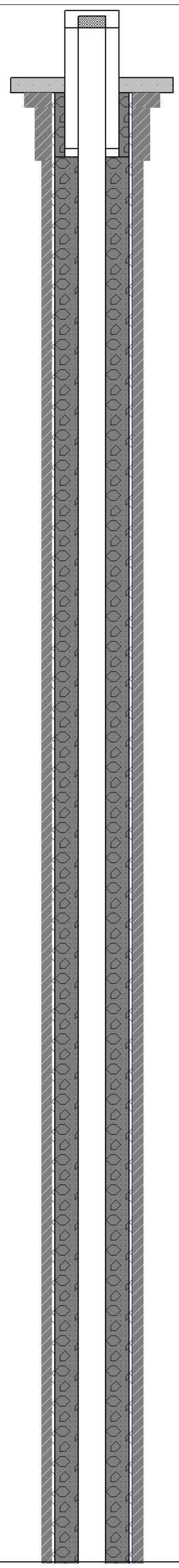
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-10-JC
Sheet:	2 of 2

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	430.59
Project:	Hematite Remedial Investigation	Northing:	865466.99
Date Started:	08/03/04	Easting:	829711.69
Date Finished:	08/09/04	Total Depth of Boring:	189.2 feet
Geologist:	J. Upcraft	Top of Casing:	433.23
Drilling Contractor:	Geotechnology	Total Depth of Well:	151.4 feet

Boring: BR-11-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
430	0					OVERBURDEN: Drilled without sampling		Protective Casing (4")
								2.0' x 2.0' x 0.5' Concrete Pad
								2" Sch 80 PVC Riser
425	5							6" Steel Isolation Casing
420	10							Portland Cement
415	15							
410	20							
405	25							High Solids Bentonite Grout (Tremied)
400	30							
395	35							
390	40	4.1/4.1	70	0		Top of Bedrock 39.1' DOLOMITE: gray, hard to very hard, micritic wavy gray shale laminae 41.4-41.8' slightly weathered to weathered 47.6-49.7' vertical fracture 49.1-49.7'		
385	45	5.0/5.0	46	0				
	50							



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-11-JC
Sheet:	1 of 4

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	430.59
Project:	Hematite Remedial Investigation	Northing:	865466.99
Date Started:	08/03/04	Easting:	829711.69
Date Finished:	08/09/04	Total Depth of Boring:	189.2 feet
Geologist:	J. Upcraft	Top of Casing:	433.23
Drilling Contractor:	Geotechnology	Total Depth of Well:	151.4 feet

Boring: BR-11-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
380	50	5.0/4.6	6	2		SANDSTONE: light brown, moderately hard, slightly friable, weathered		6" Steel Isolation Casing
375	55	5.0/0.4	68	3		DOLOMITE: brown/gray, hard, micritic, slightly weathered		
370	60	7.8/7.8	94	1		DOLOMITE: brown/gray, hard, w/wavy green/gray shale laminae, sandy pitted 66.4-67.4'		High Solids Bentonite Grout (Tremied)
365	65	3.0/3.0	83	1				
360	70	10.0/10.0	93	0		DOLOMITE: gray, very hard, sandy, pitted, crystalline		
355	75							
350	80	10.0/10.0	73	1		DOLOMITE: gray, very hard, micritic, w/wavy green shale laminae		
345	85					DOLOMITE: gray, very hard, sandy, pitted, crystalline cherty 94.2-95.3'		High Solids Bentonite Grout (Tremied)
340	90	10.0/10.0	81	1				
335	95					SANDSTONE: buff, very hard, fine-grained, crystalline DOLOMITE: gray, very hard, silty to sandy green shale laminae 96.3-97.5'		
	100							

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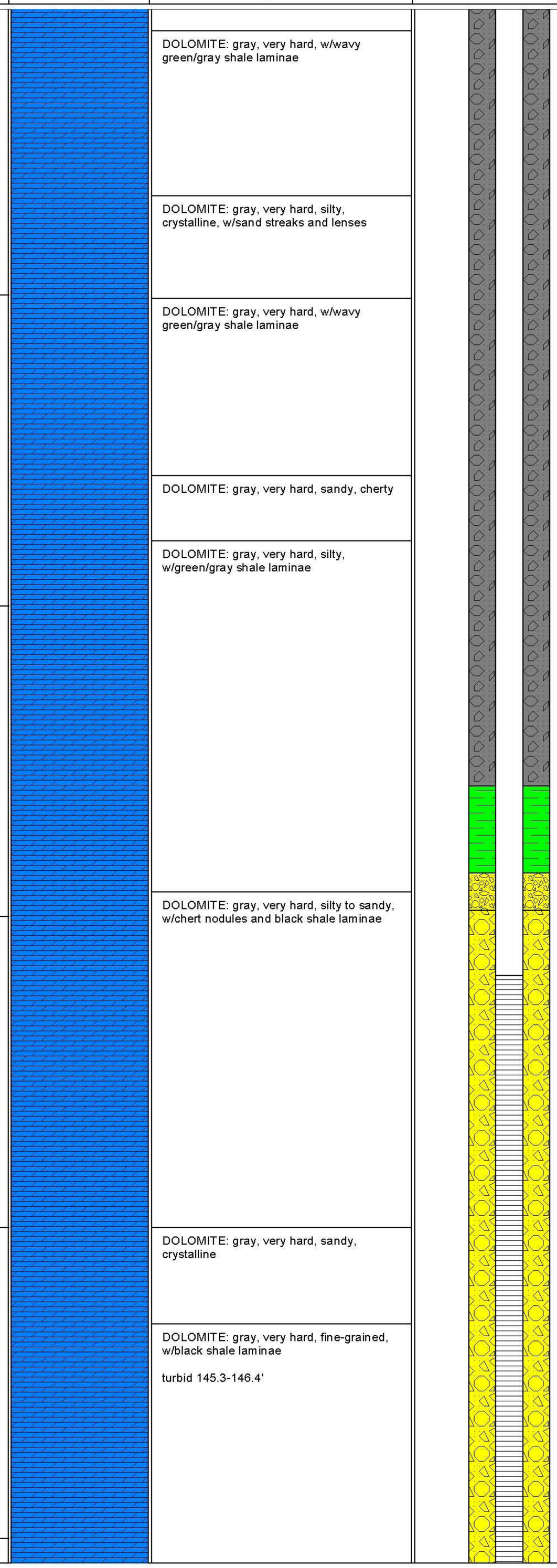
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-11-JC
Sheet:	2 of 4

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	430.59
Project:	Hematite Remedial Investigation	Northing:	865466.99
Date Started:	08/03/04	Easting:	829711.69
Date Finished:	08/09/04	Total Depth of Boring:	189.2 feet
Geologist:	J. Upcraft	Top of Casing:	433.23
Drilling Contractor:	Geotechnology	Total Depth of Well:	151.4 feet

Boring: BR-11-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology Description
330	100				
		10.0/10.0	89	1	DOLOMITE: gray, very hard, w/wavy green/gray shale laminae
325	105				
					DOLOMITE: gray, very hard, silty, crystalline, w/sand streaks and lenses
320	110				
		10.0/10.0	87	0	DOLOMITE: gray, very hard, w/wavy green/gray shale laminae
315	115				
					DOLOMITE: gray, very hard, sandy, cherty
					DOLOMITE: gray, very hard, silty, w/green/gray shale laminae
310	120				
		10.0/10.0	94	0	
305	125				
					DOLOMITE: gray, very hard, silty to sandy, w/chert nodules and black shale laminae
300	130				
		10.0/10.0	98	0	
295	135				
					DOLOMITE: gray, very hard, sandy, crystalline
290	140				
					DOLOMITE: gray, very hard, fine-grained, w/black shale laminae turbid 145.3-146.4'
		10.0/9.8	92	1	
285	145				
	150				



Well Construction

Well Construction Desc.

- High Solids Bentonite Grout (Tremied)
- 0.25" Bentonite Pellets
- Secondary Filter Pack (100 Mesh)
- Primary Filter Pack (10/20 Mesh)
- 2" Sch. 80 PVC Screen, 0.010" Slot

Westinghouse

Westinghouse Electric Company
Hematite Facility
3300 State Road P
Festus, MO 63028

SAIC
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SAIC
8421 St. John Industrial Drive
St. Louis, Missouri

Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-11-JC
Sheet:	3 of 4

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	430.59
Project:	Hematite Remedial Investigation	Northing:	865466.99
Date Started:	08/03/04	Easting:	829711.69
Date Finished:	08/09/04	Total Depth of Boring:	189.2 feet
Geologist:	J. Upcraft	Top of Casing:	433.23
Drilling Contractor:	Geotechnology	Total Depth of Well:	151.4 feet

Boring: BR-11-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
280, 275, 270, 265, 260, 255, 250, 245, 240, 235	150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200	10.0/9.6	83	1		DOLOMITE: gray, very hard, sandy, styolitic	Bottom of Well 151.4'	
						DOLOMITE: gray, very hard, silty, w/black shale laminae		
						DOLOMITE: gray, very hard, silty to sandy		
		10.0/10.0	93	0		DOLOMITE: gray, hard, micritic, w/black wavy shale laminae		
						DOLOMITE: gray, very hard, silty to sandy chert 163.7-164.1'165.7-166.0'		
						DOLOMITE: gray, hard, sandy, pitted		
		10.0/10.0	98	0		DOLOMITE: gray, very hard, silty crystalline		
						DOLOMITE: gray, very hard, fine grained, w/wavy black shale laminae		
		10.0/10.0	100	0		DOLOMITE: gray, very hard, micritic green shale 188.7-188.8'		
						DOLOMITE: gray, very hard, sandy, crystalline		
						Bottom of Hole 189.2'		

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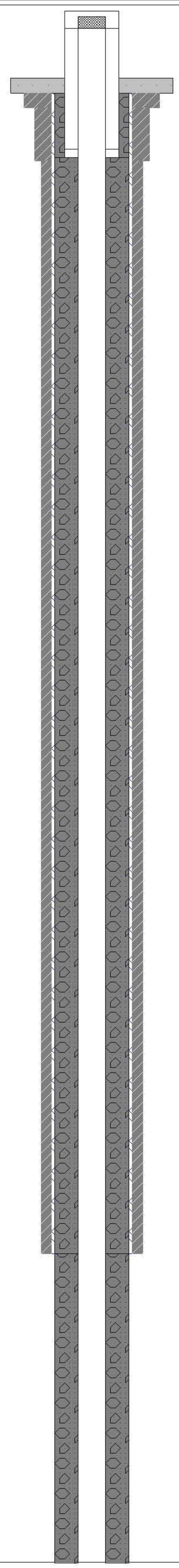
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-11-JC
Sheet:	4 of 4

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	435.73
Project:	Hematite Remedial Investigation	Northing:	865546.47
Date Started:	08/31/04	Easting:	826970.02
Date Finished:	09/03/04	Total Depth of Boring:	93.5 feet
Geologist:	T. Calhoun	Top of Casing:	438.25
Drilling Contractor:	Geotechnology	Total Depth of Well:	90.6 feet

Boring: BR-12-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
435	0					Lithology taken from BR-12-RB OVERBURDEN: Drilled without sampling		Protective Casing (4") 2.0' x 2.0' x 0.5' Concrete Pad
430	5	Overburden: Drilled without sampling 10" air rotary to 39.5' 6" air rotary to 90.6'						2" Sch 80 PVC Riser 6" Steel Isolation Casing
425	10							
420	15							Portland Cement
415	20							
410	25					Top of Bedrock 24.5' DOLOMITE: gray to brown, hard slightly weathered, pitted, fractured and broken throughout		High Solids Bentonite Grout (Tremied)
405	30					DOLOMITE: gray, very hard, micritic wavy green shale laminae 31.7-35.3' wavy gray shale laminae 35.3' broken 36.9-37.0'		
400	35							
395	40					NO SAMPLE: 6" Air Rotary DOLOMITE: gray, very hard, silty w/occasional gray shale laminae cherty 46.3-47.2' sandy 47.4-47.9 green shale 57.9-58.1'		
390	45							High Solids Bentonite Grout (Tremied)
	50							



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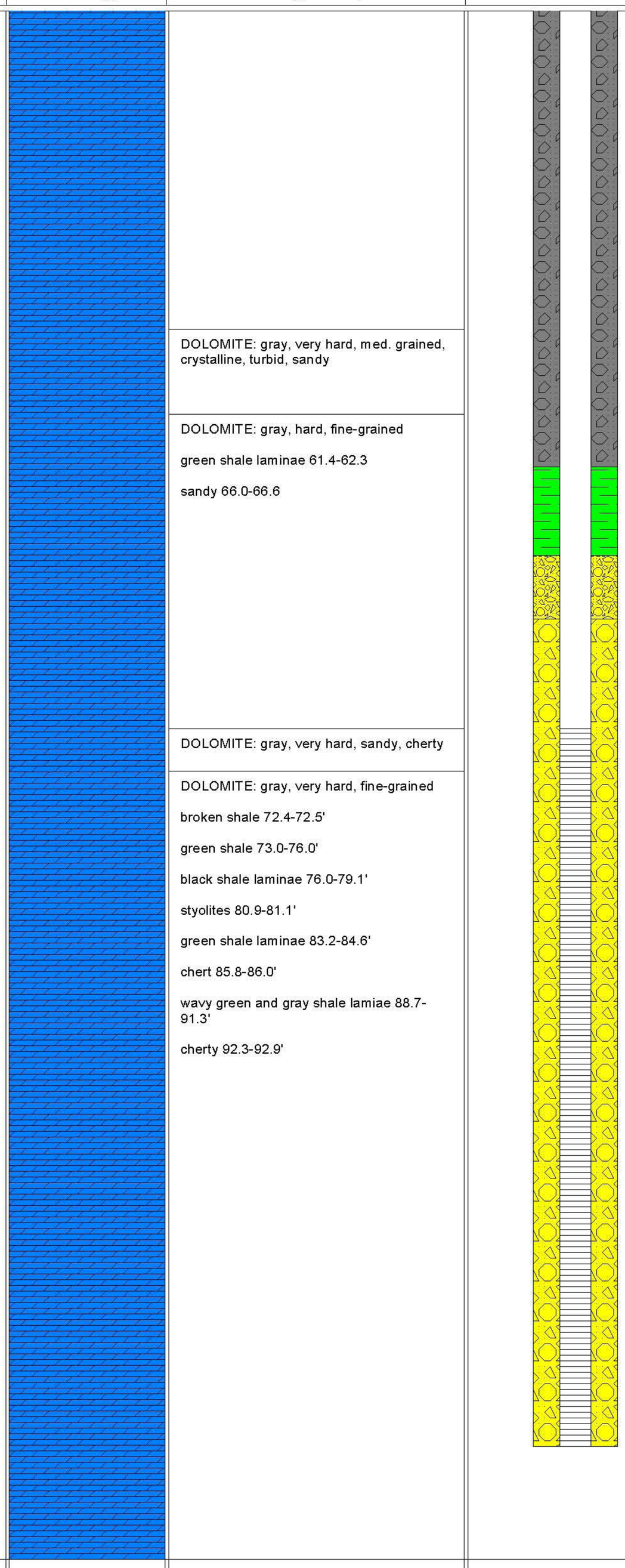
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-12-JC
Sheet:	1 of 2

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	435.73
Project:	Hematite Remedial Investigation	Northing:	865546.47
Date Started:	08/31/04	Easting:	826970.02
Date Finished:	09/03/04	Total Depth of Boring:	93.5 feet
Geologist:	T. Calhoun	Top of Casing:	438.25
Drilling Contractor:	Geotechnology	Total Depth of Well:	90.6 feet

Boring: BR-12-JC

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
385, 380, 375, 370, 365, 360, 355, 350, 345, 340	50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100					DOLOMITE: gray, very hard, med. grained, crystalline, turbid, sandy DOLOMITE: gray, hard, fine-grained green shale laminae 61.4-62.3 sandy 66.0-66.6 DOLOMITE: gray, very hard, sandy, cherty DOLOMITE: gray, very hard, fine-grained broken shale 72.4-72.5' green shale 73.0-76.0' black shale laminae 76.0-79.1' styolites 80.9-81.1' green shale laminae 83.2-84.6' chert 85.8-86.0' wavy green and gray shale lamiae 88.7-91.3' cherty 92.3-92.9'		High Solids Bentonite Grout (Tremied) 0.25" Bentonite Pellets Secondary Filter Pack (100 Mesh) Primary Filter Pack (10/20 Mesh) 2" Sch. 80 PVC Screen, 0.010" Slot
						Bottom of Hole 93.5'	Bottom of Well 90.6'	



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-12-JC
Sheet:	2 of 2

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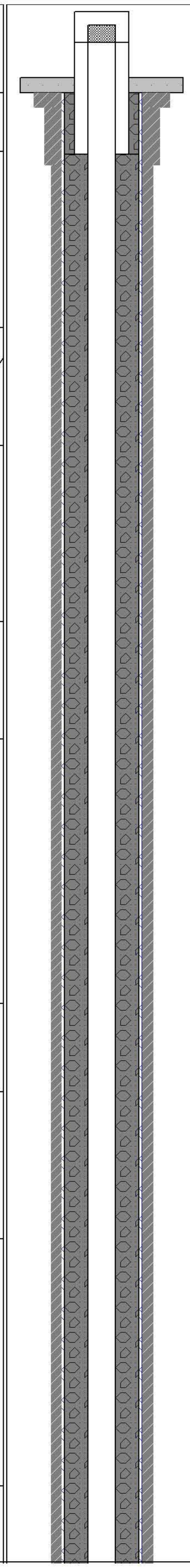
Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	436.79
Project:	Hematite Remedial Investigation	Northing:	866422.63
Date Started:	05/25/04	Easting:	828840.07
Date Finished:	08/02/04	Total Depth of Boring:	244.0 feet
Geologist:	J. Bostwick	Top of Casing:	439.42
Drilling Contractor:	Geotechnology	Total Depth of Well:	244.8 feet

Boring: BR-5-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description
	0	2.0/2.0		N/A		FILL: DGA
435		2.0/2.0				CLAY: brown to reddish brown, plastic, damp, medium stiff, trace of roots
	5	2.0/2.0				
430		2.0/2.0				
		2.0/2.0				CLAY: with silt, brown, plastic, moist, medium stiff
	10					CLAY: brown, plastic, damp to moist, stiff
425		2.0/2.0				
		2.0/2.0				CLAY: gray, plastic, damp to moist, stiff, trace of gravel at 13.5', moist to wet at 16.0'
	15	2.0/2.0				
420		2.0/2.0				
		2.0/2.0				CLAY: brown, plastic, wet
	20	2.0/2.0				
415		2.0/2.0				CLAY: reddish brown plastic, wet
	25	2.0/2.0				
410		2.0/2.0				
		2.0/2.0				
	30	2.0/2.0				
405		2.0/2.0				SAND: brown to light brown, non-plastic, wet, medium density with silt
	35	2.0/2.0				CHERTY GRAVEL: light brown to brown, hard, non-plastic, wet, with medium sand, trace clay
400		2.0/1.5				
		2.0/0.5				Top of Bedrock 39.0'
	40	1.5/1.25	0			DOLOMITE: gray, hard, fine grained, slightly weathered along bedding plane
395		3.0/3.0	47			
	45	5.5/4.5	56			
390						DOLOMITE: gray, hard, sandy, pitted/vuggy
	50					

Well Construction



Well Construction Desc.

- Protective Casing (4")
- 2.0' x 2.0' x 0.5' Concrete Pad
- 2" Sch 80 PVC Riser
- 6" Steel Isolation Casing
- Portland Cement
- High Solids Bentonite Grout (Tremied)

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-5-RB
Sheet:	1 of 5

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	436.79
Project:	Hematite Remedial Investigation	Northing:	866422.63
Date Started:	05/25/04	Easting:	828840.07
Date Finished:	08/02/04	Total Depth of Boring:	244.0 feet
Geologist:	J. Bostwick	Top of Casing:	439.42
Drilling Contractor:	Geotechnology	Total Depth of Well:	244.8 feet

Boring: BR-5-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
385, 380	50, 55	10.0/10.0	87					6" Steel Isolation Casing
375	60, 65	10.0/10.0	93			DOLOMITE: gray, very hard, silty		
370, 365	70, 75	10.0/10.0	N/A			DOLOMITE: gray, very hard, silty to sandy, crystalline, pitted/vuggy, chert 78.1-78.6'		
355	80, 85	10.0/10.0	85			DOLOMITE: gray, hard, micritic, w/wavy green/gray shale laminae		High Solids Bentonite Grout (Tremied)
350, 345	90, 95	10.0/10.0	87			DOLOMITE: gray, hard, sandy, pitted/vuggy, slightly weathered along bedding planes		
340	100					DOLOMITE: gray, very hard, fine grained with gray shale laminae sand lenses 108.2-110.5' chert 111.7-112.0'		

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-5-RB
Sheet:	2 of 5

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	436.79
Project:	Hematite Remedial Investigation	Northing:	866422.63
Date Started:	05/25/04	Easting:	828840.07
Date Finished:	08/02/04	Total Depth of Boring:	244.0 feet
Geologist:	J. Bostwick	Top of Casing:	439.42
Drilling Contractor:	Geotechnology	Total Depth of Well:	244.8 feet

Boring: BR-5-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
335, 330, 325, 320, 315, 310, 305, 300, 295, 290	100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150	10.0/10.0; 10.0/10.0; 10.0/10.0; 10.0/10.0; 10.0/10.0; 10.0/10.0	79; 96; 94; 89; 92			DOLOMITE: gray, very hard, sandy, turbid, cherty DOLOMITE: gray, very hard, micritic, w/wavy gray shale lamine DOLOMITE: gray, verry hard, silty, crystalline SANDSTONE: (QUARTZ ARENITE) gray, very hard, crystalline, calcareous DOLOMITE: gray, very hard, sandy, pitted DOLOMITE: gray, hard, silty, w/wavy gray/black shale laminae styolitic 144.4-144.8' vertical fracture 145.1-145.4' chert 156.9-157.1'		High Solids Bentonite Grout (Tremied)

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-5-RB
Sheet:	3 of 5

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	436.79
Project:	Hematite Remedial Investigation	Northing:	866422.63
Date Started:	05/25/04	Easting:	828840.07
Date Finished:	08/02/04	Total Depth of Boring:	244.0 feet
Geologist:	J. Bostwick	Top of Casing:	439.42
Drilling Contractor:	Geotechnology	Total Depth of Well:	244.8 feet

Boring: BR-5-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
285, 280, 275, 270, 265, 260, 255, 250, 245, 240	150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200	10.0/10.0	81					
		10.0/10.0	93			DOLOMITE: gray, very hard, micritic		
		10.0/10.0	98			DOLOMITE: gray, very hard, sandy, pitted		
		10.0/10.0	95			CALCITE: white		
		10.0/9.8	96			DOLOMITE: gray, very hard, micritic, crystalline		
						DOLOMITE: gray, very hard, silty, with gray shale streaks and lenses		
						DOLOMITE: gray, very hard, micritic, w/wavy green/gray shale laminae		High Solids Bentonite Grout (Tremied)
						DOLOMITE: gray, very hard, sandy, pitted/vuggy, crystalline		
						DOLOMITE: gray, hard, micritic		
						DOLOMITE: gray, very hard, sandy, vuggy, crystalline		
								0.25" Bentonite Pellets
								Secondary Filter Pack (100 Mesh)

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-5-RB
Sheet:	4 of 5

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	436.79
Project:	Hematite Remedial Investigation	Northing:	866422.63
Date Started:	05/25/04	Easting:	828840.07
Date Finished:	08/02/04	Total Depth of Boring:	244.0 feet
Geologist:	J. Bostwick	Top of Casing:	439.42
Drilling Contractor:	Geotechnology	Total Depth of Well:	244.8 feet

Boring: BR-5-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
235, 230, 225, 220, 215, 210, 205, 200, 195, 190	200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250	10.0/9.1	71			DOLOMITE: gray, very hard, silty, w/wavy green/gray shale laminae turbid 202.5-203.3'		Primary Filter Pack (10/20 Mesh)
		1.0/1.0	0					
		9.0/9.0	78			DOLOMITE: gray, hard to very hard, sandy, pitted/vuggy		2" Sch. 80 PVC Screen, 0.010" Slot
		10.0/10.0	93			DOLOMITE: gray, very hard, silty, w/gray shale streaks DOLOMITE: gray, very hard, sitly to sandy, turbid		
		10.0/10.0	76			DOLOMITE: gray, hard, silty, w/green shale lenses chert (gray to white) 226.3-227.0' DOLOMITE: gray, very hard, sitly, w/occasional wavy green shale laminae SANDSTONE: buff, hard, medium grained, crystalline		
		5.0/5.0	83			DOLOMITE: gray, very hard, silty to sandy		
						Bottom of Hole 244.0'	Bottom of Well 244.8'	

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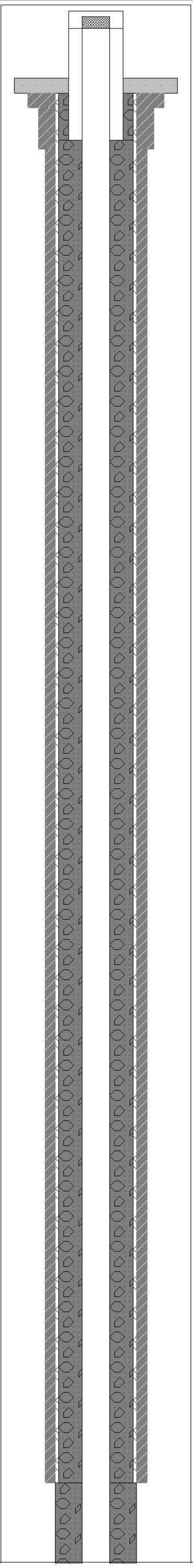
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-5-RB
Sheet:	5 of 5

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	422.49
Project:	Hematite Remedial Investigation	Northing:	863687.72
Date Started:	07/02/04	Easting:	827468.15
Date Finished:	07/16/04	Total Depth of Boring:	80.0 feet
Geologist:	T. Calhoun	Top of Casing:	425.72
Drilling Contractor:	Geotechnology	Total Depth of Well:	79.3 feet

Boring: BR-6-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
425								
								Protective Casing (4")
	0							2.0' x 2.0' x 0.5' Concrete Pad
						OVERBURDEN		
								2" Sch 80 PVC Riser
420								
								6" Steel Isolation Casing
	5							
415								
	10							Portland Cement
410								
	15							
405								
	20							
400								
	25							
						Top of Bedrock 26.0'		
395		4.2/4.2	57	2.0		DOLOMITE: light brown to gray, hard, sandy, vuggy, crystalline broken zone at 33.8'		
	30							High Solids Bentonite Grout (Tremied)
390		5.0/5.0	52	1.0				
	35							
385		4.9/4.9	82	0.0		DOLOMITE: gray, very hard, fine grained, crystalline, w/wavy green shale laminae, cherty		
	40							
380		4.7/4.7	49	1.0		DOLOMITE: gray, very hard, sandy, crystalline, vuggy broken zone 42.1-42.2', 44.8-45.3' gray chert 42.3-42.4' vertical fracture at 49.0-49.3'		
	45							
375		4.5/4.5	56	2.0				
	50	1.0/1.0	0	2.0				



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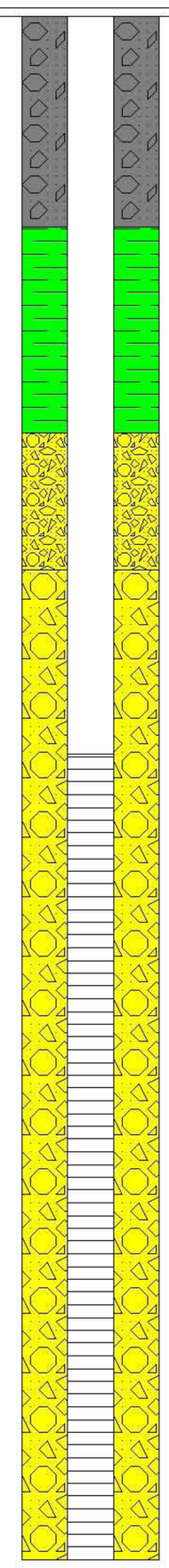
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-6-RB
Sheet:	1 of 2

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	422.49
Project:	Hematite Remedial Investigation	Northing:	863687.72
Date Started:	07/02/04	Easting:	827468.15
Date Finished:	07/16/04	Total Depth of Boring:	80.0 feet
Geologist:	T. Calhoun	Top of Casing:	425.72
Drilling Contractor:	Geotechnology	Total Depth of Well:	79.3 feet

Boring: BR-6-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology Description
	50				
370		5.0/5.0	70	1.0	DOLOMITE: gray, very hard, fine grained, sandy, crystalline gray chert 53.3-53.5'
	55				
365		5.0/5.0	54	1.0	DOLOMITE: gray, hard, sandy/vuggy bedding plane 58.0'
	60				
360		4.7/4.7	40	1.0	DOLOMITE: gray, very hard, fine grained, sandy gray chert 61.2-61.3' wavy green shale laminae 61.6-62.7' burrowed 68.4-69.4'
	65				
355		5.0/5.0	84	0.0	
	70				SANDSTONE: light brown/tan, medium grained, crystalline, very hard, calcareous
350		5.0/5.0	96	0.0	
	75				
345		5.0/5.0	60	3.0	SHALE: gray/green, hard, laminated, broken, calcareous DOLOMITE: gray, very hard, fine grained, w/green shale laminae
	80				Bottom of Hole 80.0'
340					
	85				
335					
	90				
330					
	95				
325					
	100				



Well Construction Desc.:

- High Solids Bentonite Grout (Tremied)
- 0.25" Bentonite Pellets
- Secondary Filter Pack (100 Mesh)
- Primary Filter Pack (10/20 Mesh)
- 2" Sch. 80 PVC Screen, 0.010" Slot

Bottom of Well 79.3'

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St. Louis, Missouri

Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-6-RB
Sheet:	2 of 2

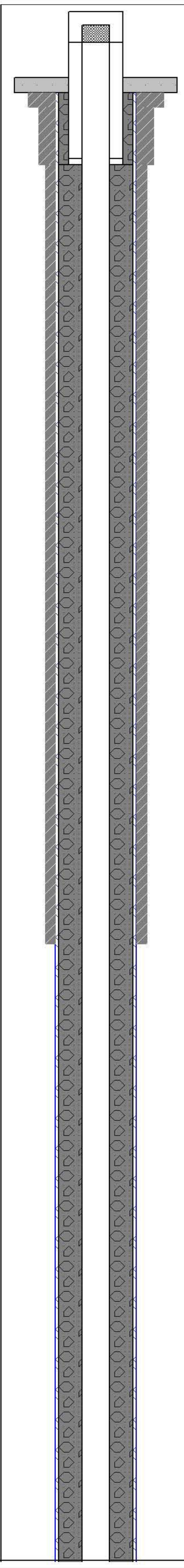
Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	476.48
Project:	Hematite Remedial Investigation	Northing:	864152.42
Date Started:	07/01/04	Easting:	829600.86
Date Finished:	08/04/04	Total Depth of Boring:	265.0 feet
Geologist:	J. Bostwick	Top of Casing:	478.74
Drilling Contractor:	Geotechnology	Total Depth of Well:	265.3 feet

Boring: BR-7-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology Description
					DGA
					Top of Bedrock 3.0'
					DOLOMITE: brown, hard, micritic, weathered
		6.0/5.3	54	2	DOLOMITE: gray/brown, hard, sandy, slightly weathered
		10.0/10.0	77	1	DOLOMITE: brown/gray, hard, micritic, slightly weathered, w/wavy black shale laminae
		9.8/10.0	86	0	SANDSTONE: brown/gray, hard, crystalline, slightly weathered chert 24.7-25.0'
		6.0/6.0	94	0	DOLOMITE: brown/gray, very hard, sandy, slightly weathered
		10.0/10.0	96	0	DOLOMITE: brown/gray, hard, micritic, slightly weathered
					DOLOMITE: brown/gray, very hard, sandy

Elevation (ft): 475, 470, 465, 460, 455, 450, 445, 440, 435, 430

Depth (ft): 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50



Well Construction Desc.:

- Protective Casing (4")
- 2.0' x 2.0' x 0.5' Concrete Pad
- 2" Sch 80 PVC Riser
- 6" Steel Isolation Casing
- Portland Cement
- High Solids Bentonite Grout (Tremied)

Westinghouse

Westinghouse Electric Company
Hematite Facility
3300 State Road P
Festus, MO 63028

SAIC
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SAIC
8421 St. John Industrial Drive
St. Louis, Missouri

Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-7-RB
Sheet:	1 of 6

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	476.48
Project:	Hematite Remedial Investigation	Northing:	864152.42
Date Started:	07/01/04	Easting:	829600.86
Date Finished:	08/04/04	Total Depth of Boring:	265.0 feet
Geologist:	J. Bostwick	Top of Casing:	478.74
Drilling Contractor:	Geotechnology	Total Depth of Well:	265.3 feet

Boring: BR-7-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
425	50	9.8/10.0	98	0		DOLOMITE: gray, very hard, turbid, cherty DOLOMITE: gray, very hard, micritic		
420	55	10.0/10.0	88	0		DOLOMITE: gray, very hard, sandy, cherty DOLOMITE: gray, hard, micritic DOLOMITE: gray, very hard, sandy, crystalline, cherty, vuggy		
415	60							
410	65	10.0/10.0	99	0		DOLOMITE: gray, very hard, micritic, w/occasional wavy green shale laminae		
405	70							
400	75	10.0/10.0	100	0				High Solids Bentonite Grout (Tremied)
395	80					DOLOMITE: gray, very hard, micritic, w/wavy black shale laminae		
390	85	10.0/10.0	94	0		DOLOMITE: gray, very hard, sandy, crystalline DOLOMITE: gray, very hard, fine-grained turbid 97.6-98.7'		
385	90							
380	95							
	100							

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-7-RB
Sheet:	2 of 6

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	476.48
Project:	Hematite Remedial Investigation	Northing:	864152.42
Date Started:	07/01/04	Easting:	829600.86
Date Finished:	08/04/04	Total Depth of Boring:	265.0 feet
Geologist:	J. Bostwick	Top of Casing:	478.74
Drilling Contractor:	Geotechnology	Total Depth of Well:	265.3 feet

Boring: BR-7-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
375	100	10.0/10.0	96	0		DOLOMITE: gray, very hard, sandy, cherty, w/black shale laminae		
370	105	10.0/10.0	83	1		DOLOMITE: gray, very hard, silty, crystalline		
365	110					DOLOMITE: gray, very hard, sandy, crystalline		
						DOLOMITE: gray/brown, hard, micritic to sandy, slightly weathered		
360	115	10.0/10.0	96	0		DOLOMITE: gray, very hard, fine-grained, w/wavy black shale laminae		
355	120					DOLOMITE: gray, very hard, sandy, crystalline		
350	125	10.0/10.0	87	1		DOLOMITE: gray, very hard, fine-grained, w/gray shale laminae		
						DOLOMITE: gray, very hard, sandy, crystalline		
345	130					DOLOMITE: gray, hard, fine-grained, w/occasional green/gray shale laminae		High Solids Bentonite Grout (Tremied)
340	135	10.0/10.0	N/A	0		DOLOMITE: gray, very hard, sandy, crystalline		
						DOLOMITE: gray, very hard, micritic		
335	140					DOLOMITE: gray, very hard, sandy, crystalline		
330	145					DOLOMITE: gray, vey hard, micritic to silty, with occasional gray shale laminae		
	150							

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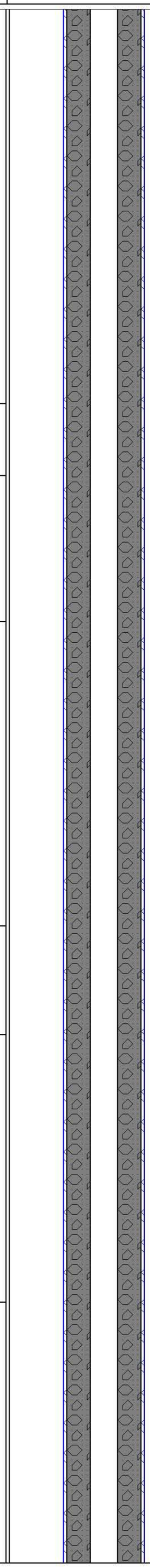
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-7-RB
Sheet:	3 of 6

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	476.48
Project:	Hematite Remedial Investigation	Northing:	864152.42
Date Started:	07/01/04	Easting:	829600.86
Date Finished:	08/04/04	Total Depth of Boring:	265.0 feet
Geologist:	J. Bostwick	Top of Casing:	478.74
Drilling Contractor:	Geotechnology	Total Depth of Well:	265.3 feet

Boring: BR-7-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
325	150	10.0/10.0	100	0				
320	155							
315	160	10.0/10.0	100	0				
310	165					DOLOMITE: gray, very hard, sandy crystalline, turbid		
305	170	10.0/10.0	97	0		DOLOMITE: gray, very hard, fine-grained, w/occasional black/gray shale laminae		
300	175					DOLOMITE: gray, very hard, sandy, pitted, crystalline		
295	180	10.0/10.0	94	0		DOLOMITE: gray, very hard, silty, w/wavy green shale laminae		
290	185					DOLOMITE: gray, very hard, fine-grained sandy, pitted		High Solids Bentonite Grout (Tremied)
285	190	10.0/10.0	98	0				
280	195					DOLOMITE: gray, very hard, sandy, crystalline, pitted		
	200							



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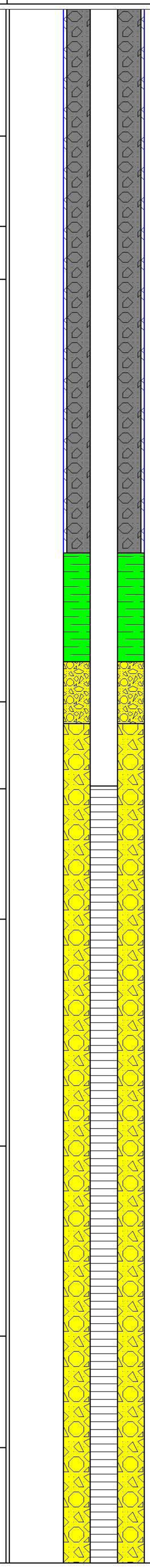
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-7-RB
Sheet:	4 of 6

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	476.48
Project:	Hematite Remedial Investigation	Northing:	864152.42
Date Started:	07/01/04	Easting:	829600.86
Date Finished:	08/04/04	Total Depth of Boring:	265.0 feet
Geologist:	J. Bostwick	Top of Casing:	478.74
Drilling Contractor:	Geotechnology	Total Depth of Well:	265.3 feet

Boring: BR-7-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
275, 270, 265, 260, 255, 250, 245, 240, 235, 230	200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250	10.0/10.0	89	0		DOLOMITE: gray, very hard, sandy, turbid		High Solids Bentonite Grout (Tremied)
		10.0/10.0	96	0		DOLOMITE: gray, very hard, w/wavy green shale laminae		
		10.0/10.0	90	0		DOLOMITE: gray, very hard, silty, w/occasional black shale laminae green shale 222.2-222.3'		0.25" Bentonite Pellets
						DOLOMITE: gray, very hard, cherty		Secondary Filter Pack (100 Mesh) 2" Sch. 80 PVC Screen, 0.010" Slot
		10.0/10.0	72	1		SANDSTONE: buff, medium-grained, crystalline		Primary Filter Pack 2" Sch. 80 PVC Screen, 0.010" Slot
		10.0/10.0	77	1		DOLOMITE: gray, very hard, turbid, w/wavy green shale laminae		
						DOLOMITE: gray, very hard, sandy, pitted, cherty, crystalline		
						DOLOMITE: gray, very hard, sandy		
						DOLOMITE: gray, very hard, sandy, pitted, slightly friable to friable		



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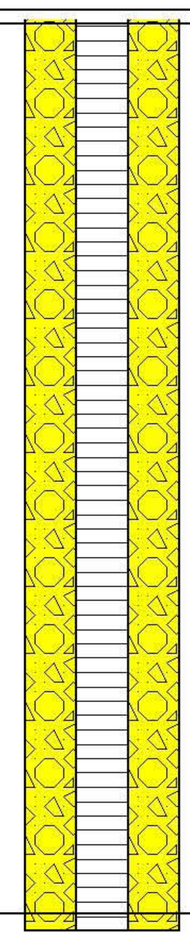
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-7-RB
Sheet:	5 of 6

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	476.48
Project:	Hematite Remedial Investigation	Northing:	864152.42
Date Started:	07/01/04	Easting:	829600.86
Date Finished:	08/04/04	Total Depth of Boring:	265.0 feet
Geologist:	J. Bostwick	Top of Casing:	478.74
Drilling Contractor:	Geotechnology	Total Depth of Well:	265.3 feet

Boring: BR-7-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
225	250	10.0/10.0	74					
	255					DOLOMITE: gray, very hard, sandy		
220								
215	260					DOLOMITE: gray, very hard, silty to sandy, pitted, w/chert bands		
	265					Bottom of Hole 265.0	Bottom of Well 265.3'	
210								
205	270							
200	275							
195	280							
190	285							
185	290							
180	295							
	300							



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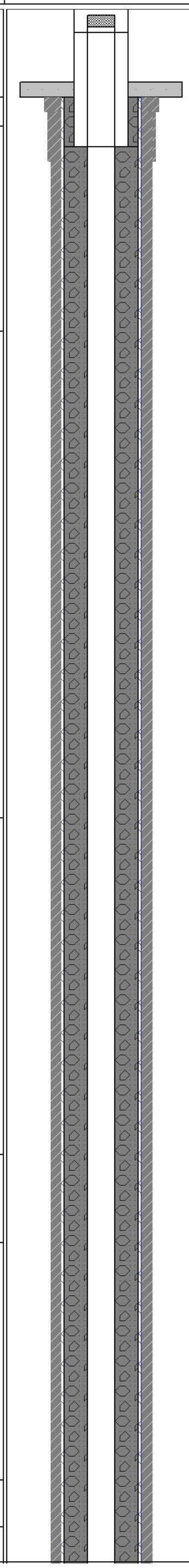
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-7-RB
Sheet:	6 of 6

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.58
Project:	Hematite Remedial Investigation	Northing:	864793.07
Date Started:	05/25/04	Easting:	828603.60
Date Finished:	06/21/04	Total Depth of Boring:	152.8 feet
Geologist:	Todd Calhoun	Top of Casing:	421.72
Drilling Contractor:	Geotechnology	Total Depth of Well:	153.0 feet

Boring: BR-8-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology Description
420					
	0				DGA
415					SILTY CLAY: brown, plastic, damp, w/sand lenses
	5				
410					SANDY GRAVEL: brown, moist to wet, compact, well graded, sub-angular to angular up to 1"
	10				
405					
	15				
400					
	20				
395					Top of Bedrock 24.6'
	25	4.8/4.7	74	2	DOLOMITE: hard to very hard, fine grained, crystalline, tan to gray, thin to thick bedded slightly weathered 24.6-26.7' broken fracture 26.3-27.0' rough bedding planes 31.4-31.7' vertical fracture 33.3-34.1'
390					
	30	5.0/5.0	74	1	
385					
	35	5.0/5.0	84	1	DOLOMITE: gray, very hard, medium grained, sandy, gray, crystalline w/shale streaks
380					
	40	5.0/5.0	64	1	DOLOMITE: light gray, very hard, fine grained, crystalline broken zone 40.3-40.4'
375					
	45	1.0/1.0	70	1	
370		5.0/5.0	80	1	DOLOMITE: gray, very hard, medium grained, crystalline, sandy and turbid
	50				DOLOMITE: light brown, hard, micritic, slightly weathered



Well Construction Desc.

- Protective Casing (4")
- 2.0' x 2.0' x 0.05' Concrete Pad
- Sch 80 PVC (2") Riser
- 6" Steel Isolation Casing
- Portland Cement
- High Solids Bentonite Grout (Tremied)

Westinghouse

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Hematite Facility
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Festus, MO 63028

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8421 St. John Industrial Drive
St. Louis, Missouri

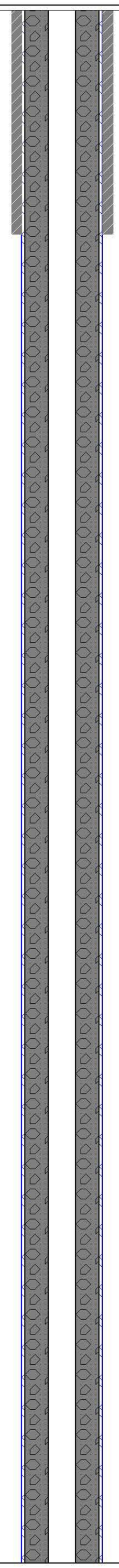
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-8-RB
Sheet:	1 of 4

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.58
Project:	Hematite Remedial Investigation	Northing:	864793.07
Date Started:	05/25/04	Easting:	828603.60
Date Finished:	06/21/04	Total Depth of Boring:	152.8 feet
Geologist:	Todd Calhoun	Top of Casing:	421.72
Drilling Contractor:	Geotechnology	Total Depth of Well:	153.0 feet

Boring: BR-8-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology Description
	50				
		4.6/4.6	70	2	w/soft shale lenses 49.4-50.0' vertical fracture 48.1-48.5 weathering along bedding planes to 52.8'
365					DOLOMITE: dark gray, hard to very hard, fine grained, sandy w/shale stringers and partings
	55	3.2/3.2	88	0	DOLOMITE: dark gray, hard to very hard, fine-grained, sandy w/shale stringers and parting
360	60	3.6/3.6	89	0	DOLOMITE: gray, very hard, fine to medium grained, crystalline, sandy, porphritic/vuggy 57.6-58.4' wavy shale stringers 59.2-61.3' broken fractured zone 62.6-62.8' turbid sandy zone 63.2-64.0' fractured shale lense 65.2-65.3' wavy sandy lenses/laminae 68.5-69.1'
355	65	5.0/5.0	54	0	
		1.0/1.0	80	1	
350	70	5.0/5.0	78	1	DOLOMITE: gray, very hard, sandy, vuggy, crystalline
345	75	5.0/5.0	90	1	DOLOMITE: gray, very hard, micritic w/shale stringers vertical fracture 71.7-72.0' DOLOMITE: gray, very hard, sandy, crystalline, porphrytic
340	80	5.0/5.0	90	0	DOLOMITE: gray, very hard, micritic w/crystal filled vugs 79.9-80.2'
335	85	5.0/5.0	99	0	DOLOMITE: gray, very hard, fine-grained, sandy w/shale stringers
330	90	5.0/5.0	100	0	DOLOMITE: tan to light gray, very hard, micritic, w/shale stringers green shale 95.6-95.7'
325	95	5.0/5.0	80	1	DOLOMITE: gray, very hard, crystalline, cherty, vuggy, sandy broken zone 100.3-100.4' vertical fracture 101.3-101.6'
320	100				

Well Construction



Well Construction Desc.

6" Steel Isolation Casing

High Solids Bentonite Grout (Tremied)

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Hematite Facility
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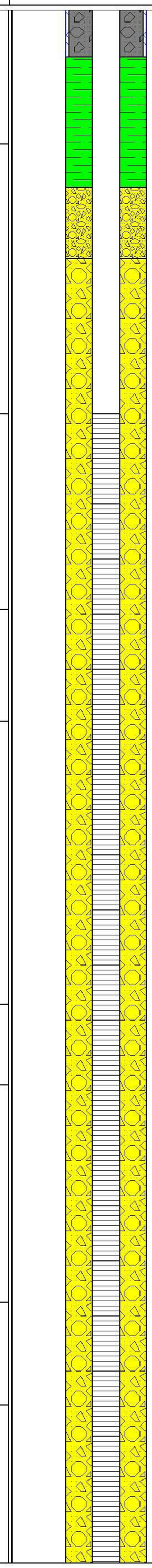
St. Louis, Missouri

Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-8-RB
Sheet:	2 of 4

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.58
Project:	Hematite Remedial Investigation	Northing:	864793.07
Date Started:	05/25/04	Easting:	828603.60
Date Finished:	06/21/04	Total Depth of Boring:	152.8 feet
Geologist:	Todd Calhoun	Top of Casing:	421.72
Drilling Contractor:	Geotechnology	Total Depth of Well:	153.0 feet

Boring: BR-8-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology Description
	100	5.0/5.0	86	1	
315	105	5.0/5.0	94	1	DOLOMITE: gray, hard, sandy, slightly friable to friable in zones very friable and broken 107.5-107.7' friable 111.3-111.6' broken 111.6-111.7'
310	110	5.0/5.0	76	1	
305	115	5.0/5.0	94	1	DOLOMITE: gray, very hard, sandy, w/green shale laminae, cherty broken zone 118.9-119.1'
300	120	5.0/5.0	54	2	DOLOMITE: gray, very hard, micritic, vuggy, crystalline broken zone 1204.4-120.5' vertical fracture 121.4-121.8'
295	125	5.0/5.0	40	2	DOLOMITE: gray, hard to very hard, sandy, vuggy, crystalline broken zone 123.7-123.9' vertical fracture 126.5-126.8' quartz filled vug at 131.6'
290	130	5.0/5.0	86	1	
285	135	5.0/5.0	90	1	DOLOMITE: gray, very hard, silty to sandy, w/shale streaks calcite 132.7-132.8'
280	140	5.0/5.0	44	2	DOLOMITE: very hard, gray, micritic, w/wavy gray shale laminae wavy green shale laminae 139.7-140.6' turbid and cherty 140.7-141.1' cherty 141.1-141.6'
275	145	5.0/5.0	64	1	DOLOMITE: gray, very hard, silty, cherty
270	150				SANDSTONE: gray to tan, hard



Well Construction Desc.

- 0.25" Bentonite Pellets
- Secondary Filter Pack
- Primary Filter Pack
- 2" Sch. 80 PVC Screen, 0.010" Slot

Westinghouse

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Hematite Facility
3300 State Road P
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St. Louis, Missouri

Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-8-RB
Sheet:	3 of 4

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.58
Project:	Hematite Remedial Investigation	Northing:	864793.07
Date Started:	05/25/04	Easting:	828603.60
Date Finished:	06/21/04	Total Depth of Boring:	152.8 feet
Geologist:	Todd Calhoun	Top of Casing:	421.72
Drilling Contractor:	Geotechnology	Total Depth of Well:	153.0 feet

Boring: BR-8-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
	150	5.0/5.0	66	1		DOLOMITE: gray very hard, micritic w/green wavy shale stringers		
265						Bottom of Hole 152.8'	Bottom of Well 153.0'	
	155							
260								
	160							
255								
	165							
250								
	170							
245								
	175							
240								
	180							
235								
	185							
230								
	190							
225								
	195							
220								
	200							

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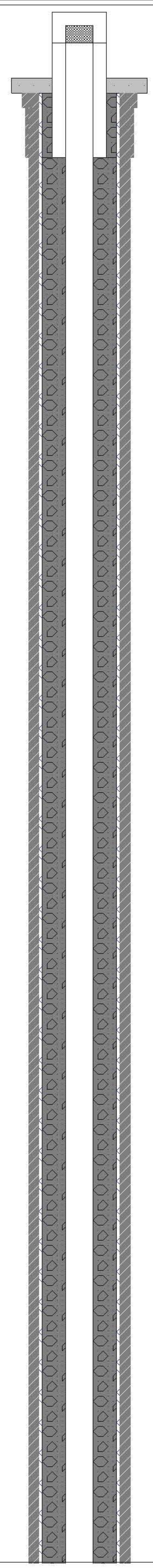
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-8-RB
Sheet:	4 of 4

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.80
Project:	Hematite Remedial Investigation	Northing:	864343.18
Date Started:	08/25/04	Easting:	828681.05
Date Finished:	09/03/04	Total Depth of Boring:	130.0 feet
Geologist:	J. Upcraft	Top of Casing:	421.906
Drilling Contractor:	Geotechnology	Total Depth of Well:	130.7 feet

Boring: BR-10-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
420	0							Protective Casing (4")
								2.0' x 2.0' x 0.5' Concrete Pad
						OVERBURDEN: Drilled without sampling		
								2" Sch 80 PVC Riser
415	5							
410	10							6" Steel Isolation Casing
405	15							Portland Cement
400	20							
395	25					Top of Bedrock 26.0'		High Solids Bentonite Grout (Tremied)
		4.0/2.6	22	NO DATA		DOLOMITE: gray, slightly weathered, crystalline, hard		
390	30					DOLOMITE: brown, hard, sandy, crystalline, slightly weathered and broken to 30.0', sandy to 28.7'		
385	35	10.0/10.0	89			DOLOMITE: gray, very hard w/black to gray shale laminae		
380	40					DOLOMITE: gray/brown, hard, slighly weathered to 37.7' styolitic 36.7-37.1' gray shale laminae 37.9-40.7' weathered 40.5-41.0'42.1-42.5'		
						SANDSTONE: brown, hard, slightly weathered, crystalline, calcareous		
375	45	10.0/9.7	55			DOLOMITE: gray, very hard, fine grained wavy green/gray shale laminae 45.4-48.0' sandy and pitted 49.5-50.1'		
370	50							



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-10-RB
Sheet:	1 of 3

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.80
Project:	Hematite Remedial Investigation	Northing:	864343.18
Date Started:	08/25/04	Easting:	828681.05
Date Finished:	09/03/04	Total Depth of Boring:	130.0 feet
Geologist:	J. Upcraft	Top of Casing:	421.906
Drilling Contractor:	Geotechnology	Total Depth of Well:	130.7 feet

Boring: BR-10-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
	50							
365	55	10.0/10.0	86			DOLOMITE: gray, hard, sandy, pitted		
360	60					DOLOMITE: gray, very hard, fine-grained green shale 61.0-61.2'		High Solids Bentonite Grout (Tremied)
355	65	10.0/10.0	83			DOLOMITE: gray, very hard, fine grained, burrowed (wavy)		
350	70					DOLOMITE: gray, very hard, fine-grained vertical fractures 68.5-69.0' gray/black wavy shale laminae 70.6-71.8'		
345	75	5.0/4.6	82			DOLOMITE: gray, very hard, sandy, slightly pitted vertical fractures 75.9-76.3'		
340	80	5.0/5.0	96			DOLOMITE: gray, very hard, micritic		
335	85	10.0/10.0	98			DOLOMITE: gray, very hard, sandy, crystalline, pitted		High Solids Bentonite Grout (Tremied)
330	90					DOLOMITE: gray, hard, w/wavy green shale laminae		
325	95	10.0/9.4	89			DOLOMITE: gray, very hard, crystalline vertical fractures 98.1-99.4'		
320	100							

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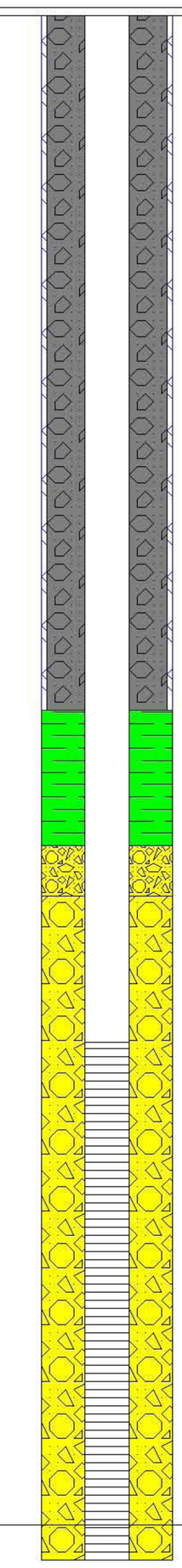
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-10-RB
Sheet:	2 of 3

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	418.80
Project:	Hematite Remedial Investigation	Northing:	864343.18
Date Started:	08/25/04	Easting:	828681.05
Date Finished:	09/03/04	Total Depth of Boring:	130.0 feet
Geologist:	J. Upcraft	Top of Casing:	421.906
Drilling Contractor:	Geotechnology	Total Depth of Well:	130.7 feet

Boring: BR-10-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
	100					DOLOMITE: gray, hard, sandy, crystalline, cherty w/high angle fractures throughout		
315	105	10.0/10.0	88			DOLOMITE: gray, hard, sandy, pitted		
310	110					DOLOMITE: gray, hard, silty to sandy		High Solids Bentonite Grout (Tremied)
305	115	10.0/10.0	89					0.25" Bentonite Pellets
								Secondary Filter Pack (100 Mesh)
300	120					DOLOMITE: gray, very hard, turbid and cherty		
						DOLOMITE: gray, very hard, sandy		Primary Filter Pack (10/20 Mesh)
295	125	10.0/10.0	91			SANDSTONE: gray/buff, medium grained, crystalline		2" Sch. 80 PVC Screen, 0.010" Slot
290	130					DOLOMITE: gray, very hard Bottom of Hole 130.0'	Bottom of Well 130.7'	
285	135							
280	140							
275	145							
270	150							



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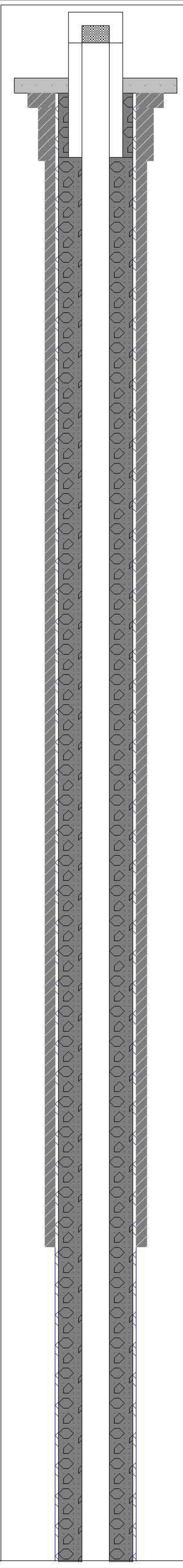
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-10-RB
Sheet:	3 of 3

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	435.53
Project:	Hematite Remedial Investigation	Northing:	865539.77
Date Started:	08/12/04	Easting:	826977.29
Date Finished:	08/31/04	Total Depth of Boring:	178.3 feet
Geologist:	T. Calhoun	Top of Casing:	438.11
Drilling Contractor:	Geotechnology	Total Depth of Well:	178.5 feet

Boring: BR-12-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology Description
435	0				OVERBURDEN: Drilled without sampling
430	5				
425	10				
420	15				
415	20				Top of Bedrock 22.0'
410	25				Began Coring
		3.9/3.9	0	2	DOLOMITE: gray to brown, hard slightly weathered, pitted, fractured and broken throughout
405	30				DOLOMITE: gray, very hard, micritic wavy green shale laminae 31.7-35.3' wavy gray shale laminae 35.3' broken 36.9-37.0'
		10.0/10.0	88	0	
400	35				
					NO SAMPLE: 10" air rotary
395	40				DOLOMITE: gray, very hard, silty w/occasional gray shale laminae cherty 46.3-47.2' sandy 47.4-47.9' green shale 57.9-58.1'
		8.9/8.9	64	0	
390	45				
	50				



Well Construction Desc.

- Protective Casing (4")
- 2.0' x 2.0' x 0.5' Concrete Pad
- 2" Sch 80 PVC Riser
- 6" Steel Isolation Casing
- Portland Cement
- High Solids Bentonite Grout (Tremied)
- High Solids Bentonite Grout (Tremied)

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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-12-RB
Sheet:	1 of 4

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	435.53
Project:	Hematite Remedial Investigation	Northing:	865539.77
Date Started:	08/12/04	Easting:	826977.29
Date Finished:	08/31/04	Total Depth of Boring:	178.3 feet
Geologist:	T. Calhoun	Top of Casing:	438.11
Drilling Contractor:	Geotechnology	Total Depth of Well:	178.5 feet

Boring: BR-12-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
385, 380	50, 55	10.0/10.0	91	0				
375, 370	60, 65	10.0/10.0	91	0		DOLOMITE: gray, very hard, med. grained, crystalline, turbid, sandy DOLOMITE: gray, hard, fine-grained green shale laminae 61.4-62.3' sandy 66.0-66.6		High Solids Bentonite Grout (Tremied)
365, 360	70, 75	10.0/10.0	86	0		DOLOMITE: gray, very hard, sandy, cherty DOLOMITE: gray, very hard, fine-grained broken shale 72.4-72.5' green shale laminae 73.0-76.0' black shale laminae 76.0-79.1' styolites 80.9-81.1' green shale laminae 83.2-84.6' chert 85.8-86.0' wavy green and gray shale laminae 88.7-91.3' cherty 92.3-92.9'		
355, 350	80, 85	10.0/10.0	83	0				
345, 340	90, 95	10.0/10.0	87	0		DOLOMITE: gray, very hard, sandy, pitted/vuggy		High Solids Bentonite Grout (Tremied)
	100							

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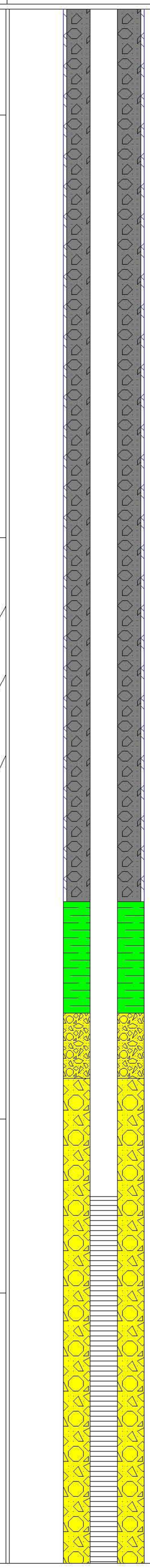
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-12-RB
Sheet:	2 of 4

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	435.53
Project:	Hematite Remedial Investigation	Northing:	865539.77
Date Started:	08/12/04	Easting:	826977.29
Date Finished:	08/31/04	Total Depth of Boring:	178.3 feet
Geologist:	T. Calhoun	Top of Casing:	438.11
Drilling Contractor:	Geotechnology	Total Depth of Well:	178.5 feet

Boring: BR-12-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
335, 330, 325, 320, 315, 310, 305, 300, 295, 290	100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150	10.0/10.0	94	0		DOLOMITE: gray, very hard, micritic green shale 106.0-106.8' chert 106.8-107.0' cherty 113.9-114.5'		High Solids Bentonite Grout (Tremied)
		10.0/10.0	95	0		DOLOMITE: gray, very hard, silty to sandy 45" fracture 118.7-118.9' green shale 119.1-119.3'		
		10.0/10.0	72	0		DOLOMITE: gray, very hard, sandy, burrowed healed vertical fracturing 120.0-120.5' DOLOMITE: gray, very hard, silty, cherty, green shale laminae 122.0-122.2' chert 122.2-122.6',123.3-123.4',123.8-123.9'		
		10.0/10.0	93	0		DOLOMITE: gray, very hard, sandy, pitted chert w/60º fractures 134.1-135.2'		0.25" Bentonite Pellets Secondary Filter Pack (100 Mesh)
		10.0/10.0	82	0		DOLOMITE: gray, very hard, fine-grained to silty w/wavy green shale laminae DOLOMITE: gray, hard to very hard, sandy, pitted/vuggy, cherty white chert 141.3-141.6' gray chert 141.8-142.1',144.5-144.8',145.2-145.3' pitted and vuggy 145.1-156.4' slightly friable 150.5-150.9'		Primary Filter Pack (10/20 Mesh) 2" Sch. 80 PVC Screen, 0.010" Slot



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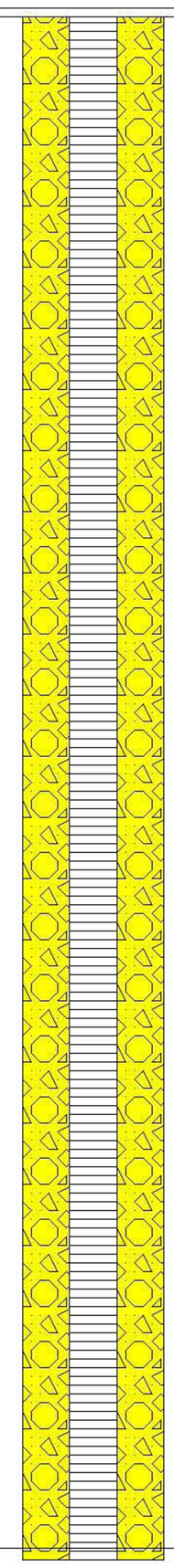
Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-12-RB
Sheet:	3 of 4

Client	Westinghouse Electric Company	Drilling Method:	Rotary
Location:	Hematite, MO	Surf. Elev.	435.53
Project:	Hematite Remedial Investigation	Northing:	865539.77
Date Started:	08/12/04	Easting:	826977.29
Date Finished:	08/31/04	Total Depth of Boring:	178.3 feet
Geologist:	T. Calhoun	Top of Casing:	438.11
Drilling Contractor:	Geotechnology	Total Depth of Well:	178.5 feet

Boring: BR-12-RB

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RQD	Fracture Frequency	Lithology	Lithology Description	Well Construction	Well Construction Desc.
285, 280, 275, 270, 265, 260, 255, 250, 245, 240	150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200	10.0/10.0	79	1				
		10.0/10.0	57	0		DOLOMITE: gray, very hard, sandy, turbid DOLOMITE: gray, very hard, silty green shale laminae 163.0-164.8' cherty 164.8-165.0' gray shale/cherty conglomerate 165.9-166.2' soft shale 170.3-170.4'		Primary Filter Pack (10/20 Mesh)
		10.0/10.0	5	0		SANDSTONE: buff, hard, medium-grained DOLOMITE: gray, very hard, silty to sandy w/green shale laminae		2" Sch. 80 PVC Screen, 0.010" Slot
						Bottom of Hole 178.3'	Bottom of Well 178.5'	



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Client:	Westinghouse Electric Company
Project:	Hematite Remedial Investigation
Location:	Hematite, MO
Borehole:	BR-12-RB
Sheet:	4 of 4

Client	Westinghouse Electric Company, Hematitie, MO	Drilling Contractor:	IPS
Project:	Characterization of Soils Under Facility Buildings	Drilling Method:	Direct Push
Borehole	BLD240-01	Surf. Elev:	N/A
Date Started:	11/25/03	Northing:	N/A
Date Finished:	11/25/03	Easting:	N/A
Geologist:	T. Biggs	Total Depth of Boring:	34.5 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 75	Soil Density (tons/ft2)	Sample	Lithology	Lithology Description	USCS
			Bkgr= 70 - 110 / 21000 - 26500		Bkgrd= 0.0					
0	0						BLD240-01-concrete (0.0 - 0.8')		CONCRETE	
		4.0 / 3.0	80 / 25.4			1.5 - 2.5	BLD240-01-fill (0.8 - 1.1') BLD240-01-01 (1.1 - 2.0')		FILL: base coarse gravel CLAY: red, brown, gray moist, medium stiffness, silty w/gravel at top 1.0"	
-5	5	4.0 / 3.7	80 / 23.9			1.0 - 2.0			occasional sand grains softer, silty	
-10	10	4.0 / 4.0	80 / 25.57			1.0	BLD240-01-09 (9.0 - 10.0')			CH
		4.0 / 4.0	80 / 23.8			0.5 - 1.0			softer, silty, slightly wet	
-15	15	4.0 / 4.0	80 / 24.4			0.5 - 1.0			wet from 17.5-18.5'	
-20	20	4.0 / 3.0	80 / 23.9			0.5 - 1.0			soft, wet	
-25	25	4.0 / 1.0	60 / 23.5			0.5 - 1.0			CLAY: gray, moist, soft, silty SLOUGH: red, brown, wet	
									CLAY: gray, moist, soft, silty	CH
-30	30	4.0 / 1.0	60 / 23.6			0.5 - 1.5			SLOUGH	
							BLD240-01-31 (31.0 - 32.0')		CLAY: gray, moist, soft silty, fine sand	CH
		2.5 / 1.0	70 / 23.9			N/A			SLOUGH	
									GRAVEL: gray, moist to wet, clay, sandy	GP
-35	35								Bottom of Hole 34.5'	
-40	40									

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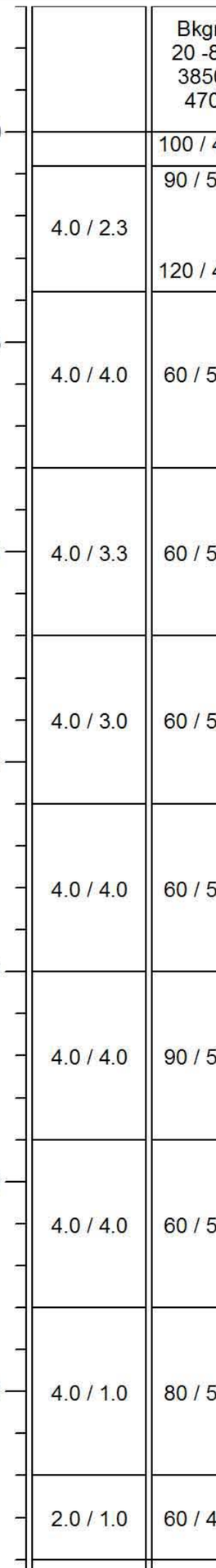
Client:	Westinghouse Electric Company
Site:	Hematite, MO
Project:	Characterization of Soils Under Facility Buildings
Borehole:	BLD240-01
Sheet:	1 of 1

Client	Westinghouse Electric Company, Hematitie, MO	Drilling Contractor:	IPS
Project:	Characterization of Soils Under Facility Bldgs.	Drilling Method:	Direct Push
Borehole	BLD253-02	Surf. Elev:	N/A
Date Started:	11/24/03	Northing:	N/A
Date Finished:	11/24/03	Easting:	N/A
Geologist:	T. Biggs	Total Depth of Boring:	34.0 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 3400	Soil Density (tons/ft2)	Sample	Lithology	Lithology Description	USCS
			Bkgr = 20 -80 / 3850 - 4700		Bkgrd= 0.0		BLD253-02-concrete (0.0 - 0.6')			
0	0		100 / 4013				BLD253-02-fill (0.6 - 0.8')		CONCRETE	
		4.0 / 2.3	90 / 5696 120 / 4629			N/A	BLD253-02-01 (0.8 - 2.0')		FILL SILTY SAND: gray, brown, dry, loose fine sand/silt w/ample gravel	SM
-5	5	4.0 / 4.0	60 / 5528			2.0 - 2.5	BLD253-02-04 (4.0 - 5.0')		CLAY: red, brown, gray, moist, medium stiffness, silty clay with rare sand iron stain	CH
-10	10	4.0 / 3.3	60 / 5403			0.5 - 1.0			CLAY: red, brown, moist, soft, silty iron stain odor rare sand and gravel	
-15	15	4.0 / 3.0	60 / 5100			0.5 - 1.0				CH
-20	20	4.0 / 4.0	60 / 5567			0.5 - 1.0			becoming wet at 19.0'	
		4.0 / 4.0	90 / 5582			N/A	BLD253-02-21 BLD253-02-21FD (21.0 - 23.0')		wet at 22.0', some sand and gravel present, strong odor	
-25	25	4.0 / 4.0	60 / 5522		> detection limit	0.5 - 1.5			CLAY: grades to gray/brown, moist, medium stiffness, silty scattered sand and gravel odor	CH
-30	30	4.0 / 1.0	80 / 5351		> detection limit	N/A			CLAY: dark gray, soft, moist, rare sand and gravel odor	CH
		2.0 / 1.0	60 / 4751			N/A			SAND: dark gray, moist to wet, clayey, gravelly	SP
-35	35								Bottom of Hole 34.0'	
-40	40									



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Client:	Westinghouse Electric Company
Site:	Hematite, MO
Project:	Characterization of Soils Under Facility Bldgs.
Borehole:	BLD253-02
Sheet:	1 of 1

Client	Westinghouse Electric Company, Hematitie, MO	Drilling Contractor:	IPS
Project:	Characterization of Soils Under Facility Bldgs.	Drilling Method:	Direct Push
Borehole	BLD240-03	Surf. Elev:	N/A
Date Started:	11/25/03	Northing:	N/A
Date Finished:	11/25/03	Easting:	N/A
Geologist:	T. Biggs	Total Depth of Boring:	33.0 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 75	Soil Density (tons/ft2)	Sample	Lithology	Lithology Description	USCS
			Bkgr = 80 - 120/ 17000 - 24000		Bkgrd= 0.0					
0	0						BLD240-03-concrete (0.0 - 0.8')		CONCRETE	
							BLD240-03-fill (0.8 - 1.1')		FILL: base coarse gravel	
		4.0 / 0.0				N/A			NO RECOVERY	
-5	5	4.0 / 3.3	80 / 23740			1.5 - 2.5	BLD240-03-04 (4.0 - 7.0')		CLAY: red, brown, moist, medium stiffness, silty w/sand and gravel at 5.0'	
-10	10	4.0 / 4.0	80 / 26079			0.5 - 1.0			wet from 8.5 - 10.5'	
									occasional sand/gravel	
		4.0 / 3.5	80 / 24915			1.0 - 1.5			soft to medium stiffness	CH
-15	15						BLD-240-03-14 (14.0 - 15.0')			
		4.0 / 4.0	80 / 26404			0.5 - 1.0			soft, moist to wet	
-20	20						BLD240-03-19 (19.0 - 20.0')		stiffer at 19.5'	
		4.0 / 4.0	100 / 24890			0.5 - 1.5			wet ,soft from 20.0 - 22.5'	
-25	25	4.0 / 4.0	80 / 26000			1.0 - 1.5			CLAY: gray, moist, soft, silty w/scattered sand mostly slough, wet, red, brown clay	CH
-30	30	4.0 / 2.0	80 / 24782			N/A				
		1.0 / 1.0	80 / 24950			N/A			GRAVEL: gray, moist to wet, loose, clayey, sandy, fine-sized gravel	GP
-35	35								Bottom of Hole 33.0'	
-40	40									

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Client:	Westinghouse Electric Company
Site:	Hematite, MO
Project:	Characterization of Soils Under Facility Bldgs.
Borehole:	BLD240-03
Sheet:	1 of 1

Client	Westinghouse Electric Company, Hematitie, MO	Drilling Contractor:	IPS
Project:	Characterization of Soils Under Facility Bldgs.	Drilling Method:	Direct Push
Borehole	BLD240-04	Surf. Elev:	N/A
Date Started:	11/24/03	Northing:	N/A
Date Finished:	11/24/03	Easting:	N/A
Geologist:	T. Biggs	Total Depth of Boring:	34.5 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 75	Soil Density (tons/ft2)	Sample	Lithology	Lithology Description	USCS
			Bkgr = 20 - 80/ 3450 - 4100		Bkgrd= 0.0					
0	0		140 / 5237 80 / 4750				BLD240-04-concrete (0.0 - 0.7') BLD240-04-fill (0.7 - 1.0')		CONCRETE	
		4.0 / 2.5	130 / 4500			N/A	BLD240-04-02 (2.0 - 3.0')		FILL: gravel, sand and clay CLAY: red, brown, gray, moist, soft, silty with iron stain	
-5	5	4.0 / 4.0	130 /5719			1.5 - 3.0	BLD240-04-04 (4.0 - 5.0')		sand and gravel	
						3.0			stiff at 6.0' - 8.0' sand and gravel at 8.0'	
-10	10	4.0 / 3.0	100 / 5400			0.5 - 1.0			wet to saturated at 11.0 - 12.0' moist below 12.0'	CH
		4.0 / 4.0	80 / 5677			0.5 - 2.0				
-15	15								large piece of gravel at 14.0'	
		4.0 / 4.0	100 / 5644			0.5 - 1.0			rare sand and gravel, softer, moist to wet 17.0 - 18.0' scattered sand and gravel	
-20	20	4.0 / 4.0	100 / 5463			0.5 - 1.0 1.5			CLAY: gray, moist, soft to medium stiffness, silty, rare sand/gravel	
-25	25	4.0 / 4.0	120 / 5552			0.5 - 1.0			dark gray, moist to wet, soft, sandy, gravelly silty	CH
-30	30	4.0 / 4.0	80 / 5404			0.5 - 1.5				
		4.0 / 2.0	60 / 5477			N/A	BLD240-04-33 (33.0 - 34.5')		GRAVEL: dark gray, moist to saturated, loose, clayey, sandy gravel is chert, dolomite or limestone	GC
-35	35								Bottom of Hole 34.5'	
-40	40									

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Client:	Westinghouse Electric Company
Site:	Hematite, MO
Project:	Characterization of Soils Under Facility Bldgs.
Borehole:	BLD240-04
Sheet:	1 of 1

Client	Westinghouse Electric Company, Hematitie, MO	Drilling Contractor:	IPS
Project:	Characterization of Soils Under Facility Bldgs.	Drilling Method:	Direct Push
Borehole	BLD255-05	Surf. Elev:	N/A
Date Started:	11/21/03	Northing:	N/A
Date Finished:	11/21/03	Easting:	N/A
Geologist:	D. Lorett	Total Depth of Boring:	34.0 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 75	Soil Density (tons/ft2)	Sample	Lithology	Lithology Description	USCS
			Bkgr = 140 - 180 / 17500 - 19500		Bkgrd= 0.0					
0	0		57 / 27513 60 / 23480				BLD255-05-concrete (0.0 - 0.5') BLD255-05-fill (0.5 - 0.8') BLD255-05-01 (0.8 - 1.75') BLD255-05-02 (2.1 - 2.6')		CONCRETE FILL	
		4.0/3.2	120 / 23065			1.0 - 1.5			CLAY: red, brown, gray, moist, soft, silty w/iron stain, some sand/gravel	
-5	5	4.0/0.8	100 / 22473			1			rare sand in clay matrix	CH
-10	10	4.0/4.0	100 / 22752			1.0 - 1.5			CLAY: red, brown, gray, moist, stiff, silty w/sand and gravel, white dolomite, limestone or chert sand and gravel decreases below 10.0'	
		4.0/4.0	80 / 22475			0.5 - 1.0			less iron content rare sand and gravel	
-15	15					2.5				CH
		4.0/4.0	60 / 22547			1.0 - 1.5				
-20	20					2.5			CLAY: red, brown, moist, stiff, silty w/sand and gravel	
		4.0/4.0	60 / 19022			2.0 - 2.25			gray, moist, stiff, silty with less iron stain more sand and gravel, gray limestone or dolomite	
-25	25	4.0/4.0	65 / 22024			1.0 - 2.0	BLD255-05-23 (23.0 - 24.0')		dark gray, moist, medium stiffness, silty, thin layers of sandy/gravelly clay throughout	CH
-30	30	4.0/4.0	60 / 21483			N/A				
		4.0/1.7	85 / 19402			N/A			CLAY: increased stiffness, increased sand/gravel, silty sandy gravelly	CH
-35	35								Bottom of Hole 34.0'	
-40	40									

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Client:	Westinghouse Electric Company
Site:	Hematite, MO
Project:	Characterization of Soils Under Facility Bldgs.
Borehole:	BLD255-05
Sheet:	1 of 1

Client	Westinghouse Electric Company, Hematitie, MO	Drilling Contractor:	IPS
Project:	Characterization of Soils Under Facility Bldgs.	Drilling Method:	Direct Push
Borehole	BLD260-06	Surf. Elev:	N/A
Date Started:	11/20/03	Northing:	N/A
Date Finished:	11/21/03	Easting:	N/A
Geologist:	T. Biggs	Total Depth of Boring:	32.0 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 125	Soil Density (tons/ft2)	Sample	Lithology	Lithology Description	USCS
			Bkgr = 120 - 160/ 31000 - 34000		Bkgrd= 0.0					
0	0		320 / 39220				BLD-260-06-concrete (0.0 - 1.1')		CONCRETE: w/chert	
		4.0 / 3.0	120 / 37735 125 / 40206			0.5 - 1.5	BLD-260-06-fill (1.1 - 1.5') BLD-260-06-01 (1.5 - 2.5')		FILL: base coarse gravel, wet/saturated	
-5	5	4.0 / 4.0	130 / 39375			0.5 - 1.5	BLD-260-06-03 (3.5 - 4.5')		CLAY: red, brown, gray, moist, soft silty w/iron stain rare sand grains in clay matrix	CH
-10	10	4.0 / 4.0	110 / 40102			0.5 - 1.0 2.0 - 2.5			CLAY: brown, gray, moist, stiff, silty, less iron stain, rare sand	CH
		4.0 / 4.0	120 / 37872			2.0 - 3.0 1.0			CLAY: gray, brown, red, moist, soft, silty w/iron stain and white limestone or dolomite sand sized grains	CH
-15	15	4.0 / 4.0	108 / 40408			2.0 - 3.0 1.0 - 2.5			CLAY: gray, brown, red, moist stiff, silty w/iron stain and white limestone or dolomite sand to gravel sized grains	CH
-20	20	4.0 / 4.0	110 / 39371			0.5 - 1.0 2.5			CLAY: becomes more gray, softer at 20.0', less iron stain, less sand/gravel stiffer from 21.0 - 24.0'	CH
-25	25	4.0 / 4.0	111 / 39774		N /A	0.5 - 1.5			CLAY: dark gray, brown, moist, soft, silty, no sand/gravel	CH
-30	30	4.0 / 4.0	120 / 40209		N /A	0.5 - 1.5	BLD-260-06-31 (31.0 - 32.0')		sand content increases, fine grained white dolomite or limestone GRAVELLY CLAY: gray, brown, moist to wet, soft, silty, sandy	CL
									Bottom of Hole 32.0'	
-35	35									
-40	40									

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Client:	Westinghouse Electric Company
Site:	Hematite, MO
Project:	Characterization of Soils Under Facility Bldgs.
Borehole:	BLD260-06
Sheet:	1 of 1

Client	Westinghouse Electric Company, Hematitie, MO	Drilling Contractor:	IPS
Project:	Characterization of Soils Under Facility Bldgs.	Drilling Method:	Direct Push
Borehole	BLD255-07	Surf. Elev:	N/A
Date Started:	11/24/03	Northing:	N/A
Date Finished:	11/24/03	Easting:	N/A
Geologist:	T. Biggs	Total Depth of Boring:	35.0 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 75	Soil Density (tons/ft2)	Sample	Lithology	Lithology Description	USCS
			Bkgr = 20 - 125 / 20000 - 28000		Bkgrd= 0.0					
0	0						BLD-255-07-concrete (0.0 - 0.5")		CONCRETE	
		4.0/2.0	120 / 24700			1.0	BLD-255-07-fill (0.5 - 0.7') BLD-255-07-02 (2.0 - 4.0')		FILL: base coarse gravel CLAY: red, brown, gray, moist, soft, silty w/rare sand/gravel	CH
-5	5	4.0/0.5	140 / 24867			1.5 - 2.5			NO RECOVERY	
-10	10	4.0/4.0	140 / 25550			2.0			CLAY: red, brown, moist, medium stiffness, silty w/rare sand/gravel (white dolomite or limestone) abundant sand/gravel	
-15	15	4.0/4.0	180 / 25702			1.5 - 2.5 0.5 - 1.0	BLD-255-07-15 (15.0 - 15.5')		scattered sand/gravel in clay matrix	CH
-20	20	4.0/4.0	120 / 24972			0.5 - 1.5			moist to wet, very soft, large pieces of gravel (1.0" in diameter) scattered sand/gravel in clay matrix	
-25	25	4.0/4.0	110 / 26765			2.0 - 3.0			gray, moist, stiff, silty w/scattered sand/gravel (chert, limestone, dolomite)	
-30	30	4.0/4.0	100 / 24302			1.0			CLAY: red, brown, moist, soft, silty w/scattered sand	CH
-35	35	4.0/3.0	120 / 22681			0.5 - 1.0 2.5 1.0 - 1.5	BLD-255-07-33 (33.0 - 35.0')		CLAY: gray, moist, stiff, silty w/sand and gravel softer, sand is rare	CH
-40	40		95 / 24153						Bottom of Hole 35.0'	

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Client:	Westinghouse Electric Company
Site:	Hematite, MO
Project:	Characterization of Soils Under Facility Bldgs.
Borehole:	BLD255-07
Sheet:	1 of 1

Client	Westinghouse Electric Company, Hematitie, MO	Drilling Contractor:	IPS
Project:	Characterization of Soils Under Facility Buildings	Drilling Method:	Direct Push
Borehole	BLD255-08	Surf. Elev:	N/A
Date Started:	11/18/03	Northing:	N/A
Date Finished:	11/19/03	Easting:	N/A
Geologist:	T. Biggs	Total Depth of Boring:	35.5 feet

Elevation (ft)	Depth (ft)	Core Recovery (Pen/Rec)	RAD (Beta/Gamma)	PID (MIP)	PID (Conventional) (ppm) 0 75	Soil Density (tons/ft2)	Sample	Lithology	Lithology Description	USCS
					Bkgrd= 0.0					
0	0		40 / 5938				BLD-255-08-concrete (0.0 - 0.6')		CONCRETE: foundation material	
		4.0/2.5	180 / 8359			1.0 -1.5	BLD-255-08-01 (1.5 - 2.0')		NO RECOVERY: presumed fill-based coarse gravel CLAY: brown, red, gray, moist, soft cherty w/iron stain	
-5	5	4.0/4.0	70 / 6340			1.0 -1.5			CLAY: brown, red, gray, moist, soft, silty	CH
-10	10	4.0/4.0	80 / 6740			0.5-2.5	BLD-255-08-08 (8.5 - 10.0')		CLAY: brown, gray, moist, stiff, silty, less iron stain	CH
-15	15	4.0/4.0	80 / 6300			3.0-3.5			CLAY: brown, gray, moist, stiff, silty w/rare fine sand and some iron stain limestone (white) or dolomite gravel present in clay from 16-16.5', iron stain more prevalent	
-20	20	4.0/4.0	70 / 6095			2.5-3.0			white limestone or dolomite gravel at 18.5' in clay matrix softer, iron stain more prevalent, less sand and gravel, less iron stain from 21-23', more gray w'depth	CH
-25	25	4.0/4.0	75 / 6719			1.5-2.0	BLD-255-08-24 (24.0 - 25.0')		more sand/gravel and iron stain at 23.5', drills hard CLAY: dark gray/brown, moist, soft, silty, no sand/gravel	
-30	30	4.0/4.0	70 / 6077			1.0			rare sand in clay matrix, clay is more reflective(shiny)	CH
-35	35	3.5/3.5	65 / 6197			0.5-1.5			CLAY: gray, brown, moist, medium stiffness, silty w/sand and gravel increasing w/depth gray, brown, silty, sandy, gravelly, gravel is rounded	CH
-40	40					1.0-2.5			Bottom of Hole 35.5'	

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Client:	Westinghouse Electric Company
Site:	Hematite, MO
Project:	Characterization of Soils Under Facility Buildings
Borehole:	BLD255-08
Sheet:	1 of 1

APPENDIX D
TABLE OF WELL CONSTRUCTION DATA AND WATER LEVEL MEASUREMENTS (DECEMBER 2004)

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Well Construction Data

Location	Install Date	Site-Wide Samp	Easting	Northing	Surface Elev	Riser Height (8/04)	Riser Height (11/04)	Top of Casing Elev (Surveyed)	Top of Pad Elev (Surveyed)	Bottom Elev	Well Depth bgs	Screen Length
BP-20B	2004		827833.0000	865068.0000	424.3030	4	4			409.303	15.0	5.0
EP-18B	2004		827250.1100	864634.9210	433.6720	3	3			421.672	12.0	5.0
NB-57B	2004	x	826897.3280	864922.1380	435.5890	1.16	0			411.589	24.0	10.0
WS-17B	1996	x	827553.8223	864810.0099	433.3040	TOC Surveyed		435.3209		412.850	20.5	13.0
WS-22	1998	x	827220.4049	865301.7611	438.2304	TOC Surveyed		440.9317	438.3695	421.960	16.3	5.0
WS-24	1998	x	827403.3969	865365.8428	436.5995	TOC Surveyed		439.5206	436.8036	420.000	16.8	10.0
WS-26	1998	x	827670.6813	865104.9397	430.7236	TOC Surveyed		433.4506	430.8703	415.320	15.2	10.0
WS-28	1998	x	827867.3728	865037.2191	425.5748	TOC Surveyed		428.5570	425.8638	409.870	15.8	10.0
WS-33	1998		826938.0000	864390.2500	434.2300	TOC Surveyed		437.1200		416.320	17.9	10.0
BD-15	2004		827309.0000	864804.0000	433.1990	2.86	0			418.199	15.0	5.0
BP-22B	2004	x	827737.5620	864912.6960	432.4380	5	5			417.438	15.0	5.0
WS-07	pre-1996	x	827291.5995	864565.4274	432.1821	TOC Surveyed		432.0977	432.3518	409.770	22.5	10.0
WS-08	pre-1996	x	827434.3335	864526.0570	431.5711	TOC Surveyed		433.4895	431.6259	414.040	17.7	10.0
WS-13	pre-1996		827319.0000	864784.2500	434.0200	TOC Surveyed		435.8000		415.100	17.7	10.0
WS-14	pre-1996	x	827677.8468	864942.7346	433.5340	TOC Surveyed		435.5424	433.6891	410.070	23.5	10.0
WS-15	pre-1996	x	827623.1581	865099.8070	430.4648	TOC Surveyed		432.6994	430.6846	406.790	23.8	10.0
WS-16	pre-1996	x	827834.8387	865005.1019	430.1913	TOC Surveyed		432.1582	430.2980	410.550	19.6	10.0
BP-19	2004		827740.5420	865074.0520	429.6070	4.89	4.89			414.607	15.0	5.0
CB-02	2004	x	826640.4150	864606.5280	432.2280	3.29	3.29			400.728	31.5	5.0
EP-15	2004	x	827215.8150	864513.2700	431.7480	1.82	1.82			401.748	30.0	10.0
EP-18A	2004		827250.1100	864634.9210	433.6720	2.79	2.79			402.672	31.0	5.0
EP-20	2004	x	827331.5640	864615.3780	432.3230	5	5			402.323	30.0	10.0
NB-79	2004	x	827530.7090	865345.3680	427.9770	5	5			402.977	25.0	5.0
NB-85	2004	x	826970.4300	863905.7590	433.3587	2.21	2.21			400.359	33.0	10.0
RR-05	2004	x	826660.0000	864636.0000	432.2280	1.68	1.68			406.228	26.0	10.0
BD-01	2004	x	827137.7600	864836.8900	433.1990	0	0			403.199	30.0	10.0
BD-02	2004	x	827153.6200	864845.9600	433.1990	0	0			399.199	34.0	10.0
BD-03	2004	x	827087.9000	864848.2300	433.1990	0	0			400.199	33.0	10.0
BD-04	2004	x	827169.4900	864809.7000	433.1990	0	0			398.699	34.5	10.0
BD-05	2004	x	827316.8000	865013.6600	433.1990	0	0			399.199	34.0	10.0
BD-06	2004	x	827282.8000	865088.4500	433.1990	0	0			401.199	32.0	10.0
BD-07	2004	x	827289.6000	864947.9400	433.1990	0	0			398.199	35.0	10.0
BD-08	2004	x	827343.9900	865009.1300	433.1990	0	0			397.699	35.5	10.0
BD-13	2004	x	827189.7200	864668.2810	433.1990	0.03	0			402.199	31.0	5.0
BD-14	2004	x	827250.0000	864736.0000	433.1990	0	0			401.199	32.0	5.0
BD-16	2004	x	827382.8200	864876.2680	435.2160	3.82	0			400.216	35.0	5.0
BP-17	2004	x	827549.5100	865168.4290	432.0000	3	3			400.000	32.0	5.0
BP-20A	2004		827833.0000	865068.0000	424.3030	4.4	4.4			396.303	28.0	5.0
BP-21	2004		827824.8230	864954.3930	431.7070	3.72	3.72			396.707	35.0	10.0
BP-22A	2004	x	827738.0000	864898.0000	432.4380	3.81	3.81			398.438	34.0	5.0
BR-03-OB	2002	x	828162.7794	863907.6538	418.6627	TOC Surveyed		421.6296	418.8868	394.363	24.3	10.0
BR-06-OB	2004	x	827465.7528	863681.1098	422.4413	TOC Surveyed		425.8398	422.7048	397.641	24.8	10.0
BR-08-OB	2004	x	828593.2184	864793.4370	418.5783	TOC Surveyed		421.5399	418.7174	394.878	23.7	10.0
BR-10-OB	2004	x	828681.0543	864343.1843	418.8040	TOC Surveyed		421.5750	418.9044	393.804	25.0	10.0
DM-02	2004	x	827469.8720	864942.4210	434.7830	3.75	3.75			401.783	33.0	5.0
EP-14	2004		827237.1360	864604.8230	433.4540	3.17	3.17			401.454	32.0	5.0
EP-16	2004	x	827246.6540	864542.3600	431.7420	4.73	4.73			401.742	30.0	10.0
LF-08	2004	x	827159.9710	864522.9480	435.6820	2.3	0			402.682	33.0	10.0
LF-09	2004	x	827117.5310	864561.9318	435.5770	4.8	0			400.577	35.0	15.0
NB-30	2004		827695.0400	864720.3040	431.2450	4.34	4.34			399.745	31.5	5.0
NB-31	2004	x	827582.7330	864713.5840	433.8120	3.55	3.55			401.812	32.0	10.0
NB-32	2004	x	827466.7680	864580.4610	431.7880	4.7	4.7			398.288	33.5	10.0
NB-33	2004	x	827369.6780	864489.2060	433.2979	4	4.15			402.298	31.0	10.0
NB-34	2004	x	827314.4150	864377.1780	432.9230	3.25	3.25			400.923	32.0	10.0
NB-35	2004	x	827553.9400	864511.7560	431.4590	4.2	4.2			402.459	29.0	5.0
NB-36	2004	x	827721.2350	864438.8430	426.7021	4.73	4.73			402.702	24.0	5.0
NB-38	2004	x	828124.6020	864750.2610	431.4730	3.75	3.75			400.473	31.0	10.0
NB-39	2004	x	827440.5490	864704.9420	432.7570	1.95	1.95			401.757	31.0	10.0
NB-44	2004	x	827415.6620	864098.7970	418.6700	4.7	4.7			398.670	20.0	10.0
NB-46	2004	x	827912.3280	865595.0340	430.8196	2.56	2.56			400.820	30.0	10.0
NB-48	2004		827112.2930	865183.9340	438.2430	3.15	3.15			401.443	36.8	10.0
NB-50	2004	x	827079.2200	865103.7310	437.5850	1.6	1.6			399.585	38.0	10.0
NB-54	2004	x	826838.5880	864661.4480	432.8810	2.77	0			400.881	32.0	5.0
NB-56	2004	x	827046.3790	864934.4220	434.7500	0.1	0			399.750	35.0	5.0
NB-57A	2004	x	826896.1341	864923.7380	435.6350	0	0			400.635	35.0	5.0
NB-61	2004	x	827917.1150	864995.6330	429.7570	3.57	3.57			400.757	29.0	5.0
NB-63	2004	x	827882.3510	863845.2040	418.7840	2.58	2.58			396.284	22.5	10.0
NB-64	2004	x	828346.2520	864520.9710	418.8750	1.8	1.8			400.875	18.0	5.0
NB-65	2004	x	828422.6750	864180.2270	418.0470	5.55	5.55			400.047	18.0	5.0
NB-66	2004	x	827700.1300	863788.3460	419.4340	3.43	3.43			397.934	21.5	10.0
NB-67	2004	x	827392.6640	863908.4290	420.0500	4.7	4.7			398.550	21.5	10.0
NB-71	2004	x	827948.6104	865308.2739	424.8266	2.46	2.46			397.327	27.5	10.0
NB-72	2004	x	828007.6455	864455.4734	419.2759	3.97	3.97			396.776	22.5	10.0
NB-73	2004	x	828027.8254	864174.7348	420.3073	3.52	3.52			396.307	24.0	10.0
NB-74	2004	x	827378.0590	864656.1060	432.7460	4.62	4.62			398.746	34.0	5.0
NB-77	2004	x	828279.4220	864250.6410	419.9900	5.64	5.64			396.740	23.3	10.0
NB-78	2004	x	828218.5060	864598.8980	417.8120	5.02	5.02			398.812	19.0	10.0

Well Construction Data

Location	Install Date	Site-Wide Samp	Easting	Northing	Surface Elev	Riser Height (8/04)	Riser Height (11/04)	Top of Casing Elev (Surveyed)	Top of Pad Elev (Surveyed)	Bottom Elev	Well Depth bgs	Screen Length
NB-80	2004	x	827571.8250	865280.1460	427.9620	5.06	5.06			399.962	28.0	5.0
NB-81	2004	x	827967.4254	864884.4981	430.2766	3.35	3.35			396.777	33.5	5.0
NB-82	2004	x	829026.3310	864736.0170	416.0500	3.45	3.45			395.050	21.0	10.0
NB-83	2004	x	828838.7150	864972.2650	417.7130	3.95	3.95			393.713	24.0	10.0
NB-84	2004	x	827168.1332	864244.6770	431.7430	4.3	4.3			397.743	34.0	10.0
NB-86	2004	x	827096.9000	863782.7700	419.6500	N. A.	4.8			399.650	20.0	5.0
OA-19	2004	x	827431.4710	864975.9090	433.2190	0.04	0.04			399.619	33.6	5.0
OB-01	2002	x	826667.8706	863749.5286	426.6102	TOC Surveyed		429.6364	426.7868	400.470	26.2	16.2
OB-02	2002	x	830379.8412	865862.2152	427.7760	TOC Surveyed		430.4702	427.9574	390.710	37.0	27.0
PL-04	2004	x	827578.1360	864818.8110	433.0110	2.85	2.85			401.011	32.0	5.0
PL-06	2004	x	827110.6380	864400.7100	435.0850	4.16	4.16			401.085	34.0	10.0
PZ-01	2002		827372.4066	864470.6328	431.7478	TOC Surveyed		434.6187	431.9266	407.850	23.9	10.0
PZ-02	2002		827376.3791	864474.1107	431.6922	TOC Surveyed		434.6935	431.9361	398.140	33.5	10.0
RMC-9	pre-1996		827528.8484	864834.8834	433.5334	TOC Surveyed		435.9505		Unknown	Unknown	10.0
SW-07	2004	x	826792.1230	864243.9950	429.5830	1.33	1.33			402.583	27.0	10.0
WS-09	pre-1996		827302.6836	864406.9382	431.7100	TOC Surveyed		432.6899	432.7078	406.470	25.3	10.0
WS-23	1998	x	827216.0957	865305.2233	438.2383	TOC Surveyed		440.9693	438.4613	399.630	38.5	10.0
WS-25	1998	x	827398.2074	865368.5378	436.5528	TOC Surveyed		438.9348	436.8261	398.340	38.2	10.0
WS-27	1998	x	827662.6260	865109.0250	430.6432	TOC Surveyed		433.4862	431.0128	398.230	32.5	10.0
WS-29	1998	x	827870.7900	865041.2616	425.1291	TOC Surveyed		428.1241	425.5147	397.530	27.8	7.0
WS-32	1998	x	827534.0000	864826.2500	433.2000	TOC Surveyed		436.1100		397.980	35.2	5.0
WS-34	1998	x	826918.8376	864375.0410	433.9285	TOC Surveyed		436.8505	434.2791	398.760	35.5	10.0
BR-10-JC	2004	x	828685.5210	864348.1471	418.9315	TOC Surveyed		421.7453	418.9648	368.932	50.0	15.0
BR-11-JC	2004	x	829711.6939	865466.9942	430.5936	TOC Surveyed		433.2282	430.7468	279.494	151.1	20.0
BR-12-JC	2004	x	826970.0207	865546.4696	435.7329	TOC Surveyed		438.2491	435.8374	345.133	90.6	20.0
BR-01-JC	2002	x	826535.6944	864376.0056	439.2425	TOC Surveyed		441.8701	439.2012	332.290	107.0	10.0
BR-02-JC	2002	x	830590.2374	865551.4478	428.3645	TOC Surveyed		431.1685	428.7559	313.640	115.0	5.0
BR-03-JC	2004	x	828126.5951	863896.4962	418.1133	TOC Surveyed		420.5771	418.3681	368.613	49.5	15.0
BR-04-JC	2002	x	828009.2628	865741.2541	431.7994	TOC Surveyed		434.2709	432.1583	327.110	105.0	10.0
BR-05-JC	2004	x	828849.8994	866396.7674	436.5982	TOC Surveyed		439.2810	436.8617	298.998	137.6	20.0
BR-07-JC	2004	x	829606.2664	864147.0981	476.7581	TOC Surveyed		479.2683	476.9589	326.758	150.0	20.0
BR-08-JC	2004	x	828597.7762	864793.1723	418.5783	TOC Surveyed		421.5541	418.6150	363.978	54.6	10.0
BR-09-JC	2004	x	828731.7445	865335.2116	420.3860	TOC Surveyed		423.0216	420.4106	331.486	88.9	10.0
PW-16-JC	2004	x	830048.7800	863715.4200	515.0400	TOC Surveyed		515.2900	N.A.	340.040	175.0	20.0
PW-19-JC	2004	x	829487.3600	864365.9350	462.7400	TOC Surveyed		463.2000	N.A.	340.740	122.0	20.0
PW-06-JC	2004	x	830216.9200	864472.8600	498.0400	TOC Surveyed		498.5900	N.A.	298.040	200.0	20.0
PZ-03	2002	x	827524.0000	864816.2500	433.2300	TOC Surveyed		435.8500	N.M.	372.280	61.0	10.0
PZ-04	2002	x	827225.5207	865284.7915	438.1578	TOC Surveyed		440.5427	438.2536	378.860	59.3	10.0
WS-30	1998	x	827862.6857	865041.2732	425.3832	TOC Surveyed		428.1894	425.6735	376.200	49.2	10.0
WS-31	1998	x	827867.3044	865045.1262	424.8859	TOC Surveyed		427.5446	425.1602	343.540	81.4	10.0
BR-10-RB	2004	x	828681.0540	864343.1840	419.4620	TOC Surveyed		421.9069	419.6170	288.762	130.7	10.0
BR-12-RB	2004	x	826977.2883	865539.7662	435.5323	TOC Surveyed		438.1081	435.6724	257.032	178.5	40.0
BR-01-RB	2002	x	826496.9207	864405.8982	439.7035	TOC Surveyed		442.4888	440.0186	275.030	165.0	40.0
BR-02-RB	2002	x	830549.2555	865531.4954	427.9785	TOC Surveyed		431.3738	428.1783	93.230	335.0	40.0
BR-03-RB	2002	x	828112.4834	863885.6583	417.8937	TOC Surveyed		420.6878	418.4300	224.894	193.0	40.0
BR-04-RB	2002	x	828096.5211	865781.5246	431.7259	TOC Surveyed		434.7309	432.1095	191.950	240.0	40.0
BR-05-RB	2004	x	828840.0698	866422.6343	436.7897	TOC Surveyed		439.4202	436.9127	191.990	244.8	40.0
BR-06-RB	2004	x	827468.1482	863687.7157	422.4853	TOC Surveyed		425.7228	422.6061	343.185	79.3	15.0
BR-07-RB	2004	x	829600.8588	864152.4167	476.4774	TOC Surveyed		478.7417	476.5835	211.177	265.3	40.0
BR-08-RB	2004	x	828603.5976	864793.0701	418.5783	TOC Surveyed		421.7217	418.7494	265.578	153.0	40.0
PW-16-RB	2004	x	830048.7800	863715.4200	515.0400	TOC Surveyed		515.3600	N.A.	204.040	311.0	40.0
PW-19-RB	2004	x	829487.3600	864365.9350	462.7400	TOC Surveyed		463.1100	N.A.	211.740	251.0	40.0
PW-06-RB	2004	x	830216.9200	864472.8600	498.0400	TOC Surveyed		498.6000	N.A.	162.040	336.0	40.0
PW-24			830871.3030	862558.0320	575.4260	0	0	575.4260				
PW-25			830864.5280	862527.0410	575.4460	0	0	575.4460				
PW-1						0	0					
PW-10			830409.6230	863569.2790	545.4080	0	0					
PW-2						0	0					
PW-3			828296.8890	865990.0660	434.0980	0	0					
PW-4						0	0					
PW-5			831381.4350	864289.0930	500.9440	0	0					
PW-23			831320.8210	863243.7210	541.4960	1.79						
PW-11			830399.1310	863518.2790	549.0290	0						
PW-12			830372.3510	863257.6720	561.7320	0						
PW-13			830229.0350	863236.9260	549.3830	0						
PW-14			830112.3530	863415.6050	538.2090	0						
PW-15			830271.9870	863521.0830	547.3310	0						
PW-17			829863.8300	863765.4600	505.5700	0						
PW-18			829863.8330	863765.4570	505.5710	0						
PW-7			830076.2950	864389.3760	493.1850	0						
PW-8			830407.4760	864052.6980	523.1210	0						
PW-9			830430.8410	863869.6210	527.0150	0						
PW-27			831283.2310	863009.7140	550.3160	0						
PW-26			830980.6170	862717.3870	554.7220	0						

Water Level Measurements Site-Wide Groundwater Investigation December 2004

Location	Top of Casing (ft AMSL)	12/3/2004 Depth to water (ft)	12/3/2004 Water Elev (ft AMSL)
BD-15	433.20	0.90	432.30
BP-20B	428.30	Not Measured	
BP-22B	437.44	5.66	431.78
EP-18B	436.67	5.02	431.65
NB-57B	435.59	4.44	431.15
WS-07	432.10	Not Measured	
WS-08	433.49	2.66	430.83
WS-13	435.80	Not Measured	
WS-14	435.54	2.85	432.69
WS-15	432.70	8.65	424.05
WS-16	432.16	3.49	428.67
WS-17B	435.32	2.39	432.93
WS-22	440.93	4.88	436.05
WS-24	439.52	10.50	429.02
WS-26	433.45	11.86	421.59
WS-28	428.56	3.49	425.07
WS-33	437.12	Not Measured	
BD-01	433.20	6.81	426.39
BD-02	433.20	12.15	421.05
BD-03	433.20	9.17	424.03
BD-04	433.20	15.24	417.96
BD-05	433.20	7.18	426.02
BD-06	433.20	8.53	424.67
BD-07	433.20	14.44	418.76
BD-08	433.20	6.95	426.25
BD-13	433.20	16.06	417.14
BD-14	433.20	17.65	415.55
BD-16	435.22	14.62	420.60
BP-17	435.00	11.59	423.41
BP-19	434.50	Not Measured	
BP-20A	428.70	Not Measured	
BP-21	435.43	Not Measured	
BP-22A	436.25	20.56	415.69
BR-03-OB	421.63	11.90	409.73
BR-06-OB	425.84	14.56	411.28
BR-08-OB	421.54	11.36	410.18
BR-10-OB	421.57	11.87	409.70
CB-02	435.52	15.42	420.10
DM-02	438.53	12.31	426.22
EP-14	436.62	21.75	414.87
EP-15	433.57	18.95	414.62
EP-16	436.47	21.95	414.52
EP-18A	436.46	16.88	419.58
EP-20	437.32	11.41	425.91
LF-08	435.68	20.44	415.24
LF-09	435.58	21.72	413.86
NB-30	435.59	Not Measured	
NB-31	437.36	21.38	415.98
NB-32	436.49	23.37	413.12
NB-33	437.45	22.05	415.40
NB-34	436.17	22.21	413.96
NB-35	435.66	21.70	413.96
NB-36	431.43	20.16	411.27
NB-38	435.22	19.91	415.31
NB-39	434.71	19.30	415.41

Location	Top of Casing (ft AMSL)	12/3/2004 Depth to water (ft)	12/3/2004 Water Elev (ft AMSL)
NB-44	423.37	12.18	411.19
NB-46	433.38	7.42	425.96
NB-48	441.39	Not Measured	
NB-50	439.19	14.56	424.63
NB-54	432.88	14.06	418.82
NB-56	434.75	13.39	421.36
NB-57A	435.64	9.06	426.58
NB-61	433.33	14.97	418.36
NB-63	421.36	11.83	409.53
NB-64	420.68	11.12	409.56
NB-65	423.60	10.35	413.25
NB-66	422.86	12.65	410.21
NB-67	424.75	12.43	412.32
NB-71	427.29	8.12	419.17
NB-72	423.25	11.31	411.94
NB-73	423.83	13.99	409.84
NB-74	437.37	22.19	415.18
NB-77	425.63	15.61	410.02
NB-78	422.83	12.65	410.18
NB-79	432.98	5.83	427.15
NB-80	433.02	7.88	425.14
NB-81	433.63	17.96	415.67
NB-82	419.50	10.42	409.08
NB-83	421.66	11.19	410.47
NB-84	436.04	23.28	412.76
NB-85	435.57	18.49	417.08
NB-86	424.45	11.79	412.66
OA-19	433.26	6.99	426.27
OB-01	429.64	7.70	421.94
OB-02	430.47	3.13	427.34
PL-04	435.86	20.07	415.79
PL-06	439.25	23.72	415.53
PZ-01	434.62	Not Measured	
PZ-02	434.69	Not Measured	
RMC-9	435.95	Not Measured	
RR-05	433.91	2.75	431.16
SW-07	430.91	14.72	416.19
WS-09	432.69	19.20	413.49
WS-23	440.97	12.90	428.07
WS-25	438.93	11.35	427.58
WS-27	433.49	11.04	422.45
WS-29	428.12	11.42	416.70
WS-32	436.11	19.93	416.18
WS-34	436.85	21.43	415.42
BR-10-JC	421.75	11.69	410.06
BR-11-JC	433.23	21.96	411.27
BR-12-JC	438.25	21.38	416.87
BR-01-JC	441.87	26.20	415.67
BR-02-JC	431.17	19.83	411.34
BR-03-JC	420.58	10.04	410.54
BR-04-JC	434.27	22.67	411.60
BR-05-JC	439.28	27.48	411.80
BR-07-JC	479.27	69.35	409.92
BR-08-JC	421.55	10.41	411.14
BR-09-JC	423.02	11.49	411.53

Water Level Measurements Site-Wide Groundwater Investigation December 2004

Location	Top of Casing (ft AMSL)	12/3/2004 Depth to water (ft)	12/3/2004 Water Elev (ft AMSL)
PW-16-JC	515.29	104.66	410.63
PW-19-JC	463.20	62.69	400.51
PW-06-JC	498.59	91.92	406.67
PZ-03	435.85	21.25	414.60
PZ-04	440.54	16.24	424.30
WS-30	428.19	13.04	415.15
WS-31	427.54	13.19	414.35
BR-10-RB	421.91	7.99	413.92
BR-12-RB	438.11	10.80	427.31
BR-01-RB	442.49	21.53	420.96
BR-02-RB	431.37	20.80	410.57
BR-03-RB	420.69	Not Measured	
BR-04-RB	434.73	20.59	414.14
BR-05-RB	439.42	29.91	409.51
BR-06-RB	425.72	10.58	415.14
BR-07-RB	478.74	65.20	413.54
BR-08-RB	421.72	8.02	413.70
PW-16-RB	515.36	104.32	411.04
PW-19-RB	463.11	50.20	412.91
PW-06-RB	498.60	87.18	411.42
PW-24	575.43	156.96	418.47
PW-25	575.45	155.02	420.43
PW-10	545.41	134.05	411.36
PW-5	500.94	89.92	411.02
PW-23	541.50	125.55	415.95

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APPENDIX E
WELL COMPLETION DIAGRAMS

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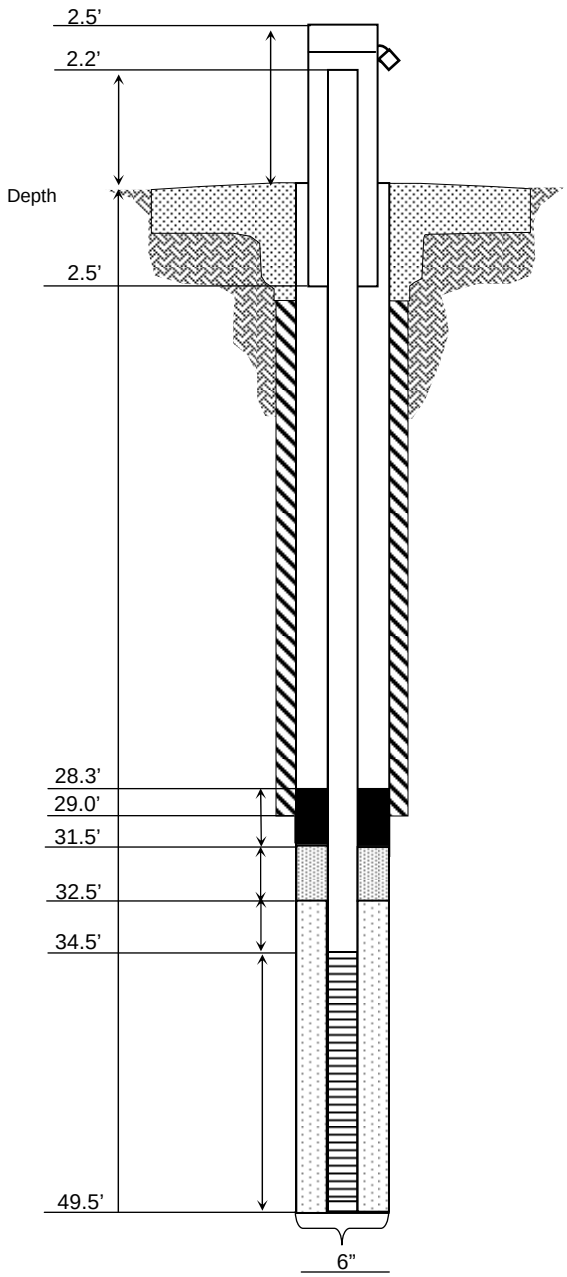
Well No. BR-03-JC	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 8/10/04 End Date: 8/11/04	Elevation:(Top of Pad): 418.3681 ft amsl	
	Coordinates: N 863896.4962	
	E 828126.5951	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 2.5 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 80 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 34.5'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 29.0'

Centralizers (Y / N): Yes
Depth(s): 5', 25'

Bentonite Seal
Type: ¼" Bentonite Pellets
Source: Pel-Plug
Setup/Hydration Time: 1 hour Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 25#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: Unimin FilterSil
Amt. Used: 250#
Tremied (Y / N): Yes

Screen
Type: SCH 80 PVC
Diameter: 2"
Length: 15'
Slot Size and Type: 0.010 slotted
Interval BGS: 34.5' – 49.5'

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 29.0'

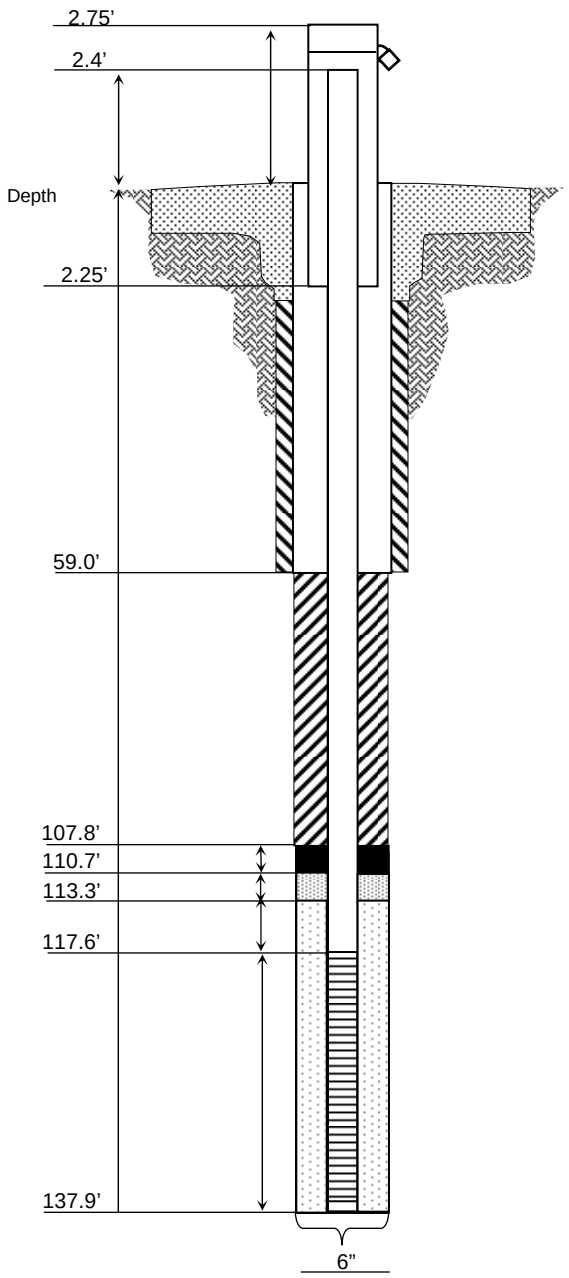
Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE, MISSOURI FACILITY
HEMATITE, MISSOURI

BR-3-JC Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-05-JC	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 8/5/04 End Date: 8/6/04	Elevation: (Top of Pad): 436.8617 ft amsl	
	Coordinates: N 866396.7674	
	E 828849.8994	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 2.1 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 80 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 117.6'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 107.8'

Centralizers (Y / N): Yes
Depth(s): 36', 76', 116'

Bentonite Seal
Type: ¼" Bentonite Pellets
Source: Pel-Plug
Setup/Hydration Time: 15.5 hours Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 50#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: Unimin FilterSil
Amt. Used: 350#
Tremied (Y / N): Yes

Screen
Type: SCH 80 PVC
Diameter: 2"
Length: 20'
Slot Size and Type: 0.010 slotted
Interval BGS: 117.6 – 137.6'

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 59.0''

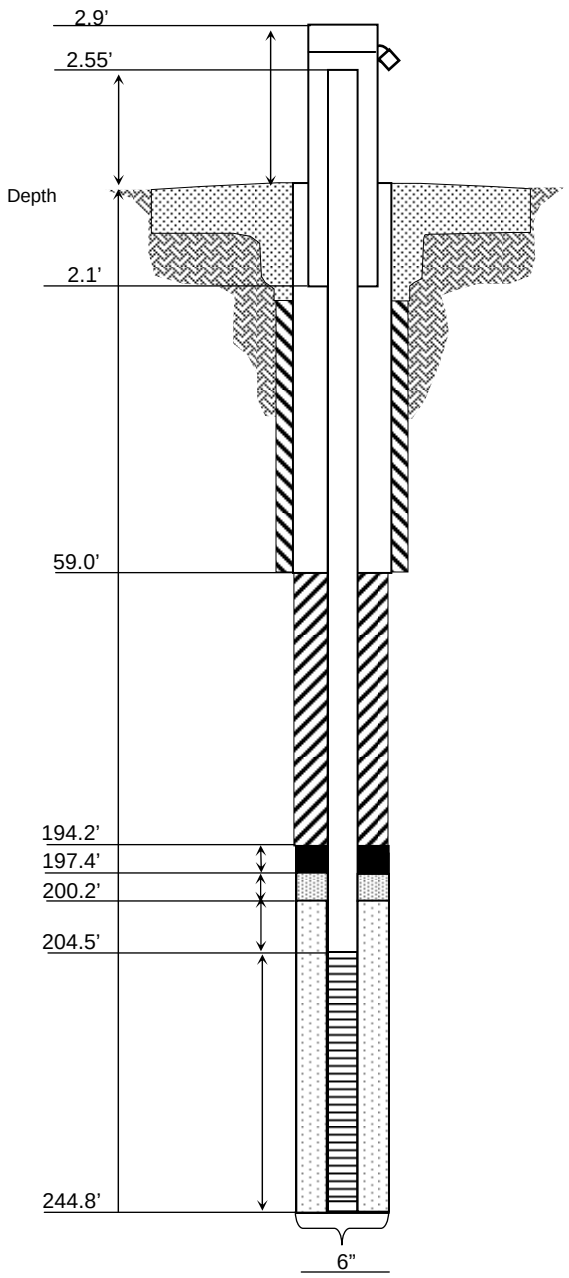
Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

BR-5-JC Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-05-RB	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 8/2/04 End Date: 8/2/04	Elevation: (Top of Pad): 436.9127 ft amsl	
	Coordinates: N 866422.6343	
	E 828840.0698	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 2.1 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 80 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 204.5'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 194.2'

Centralizers (Y / N): Yes
Depth(s): 40', 80', 120', 160', 200'

Bentonite Seal
Type: ¼" Bentonite Pellets
Source: Pel-Plug
Setup/Hydration Time: 1 hour Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 50#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: FilterSil
Amt. Used: 675#
Tremied (Y / N): Yes

Screen
Type: SCH 80 PVC
Diameter: 2"
Length: 40'
Slot Size and Type: 0.010 slotted
Interval BGS: 204.5' – 244.5'

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 59.0''

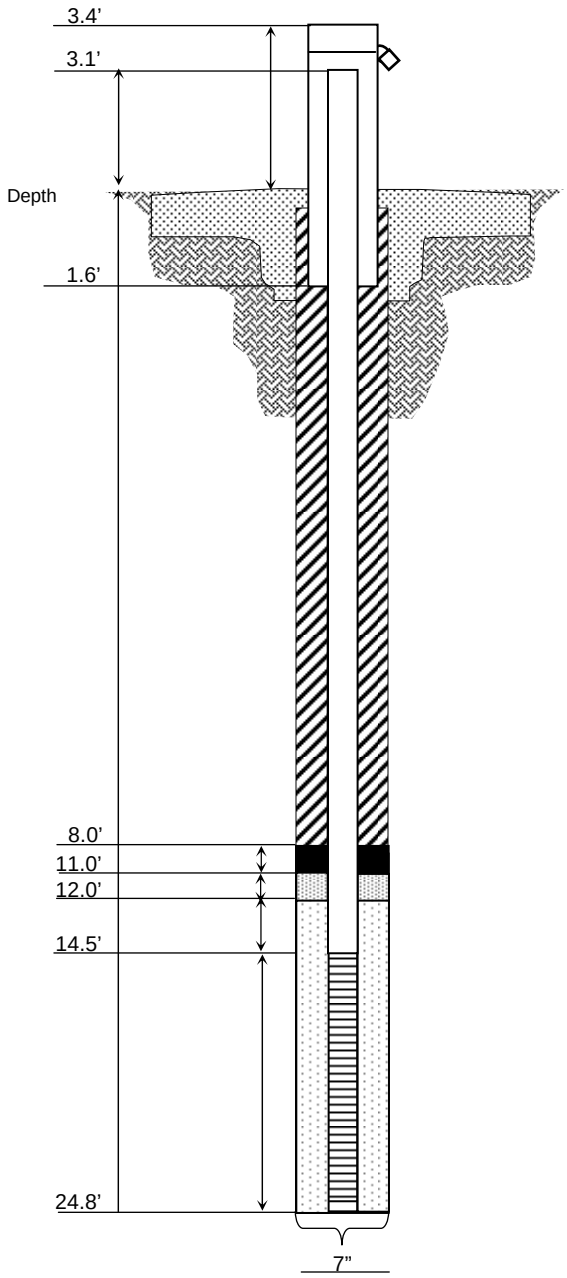
Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

BR-5-RB Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-06-OB	Installation: Above Ground Completion	
Project No. SAHEM0036	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 7/16/04 End Date: 7/16/04	Elevation (Top of Pad): 422.7048 ft amsl	
	Coordinates: N 863681.1098	
	E 827465.7528	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 1.6 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 80 PVC
Diameter: 2 inch
Total Depth (Ground surface to TOS): 14.5'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 8.0'

Centralizers (Y / N): No
Depth(s): N/A

Bentonite Seal
Type: ¼ in. bentonite pellets
Source: Pel-Plug
Setup/Hydration Time: 1.5 hour Vol. Fluid Added: 5 gal
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 50#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: FilterSil
Amt. Used: 150#
Tremied (Y / N): Yes

Screen
Type: SCH 80 PVC
Diameter: 2 in.
Length: 10 ft
Slot Size and Type: 0.010 slotted
Interval BGS: 14.5' – 24.5'

Isolation Casing (Y / N): No
Type:
Diameter:
Total Length:

Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

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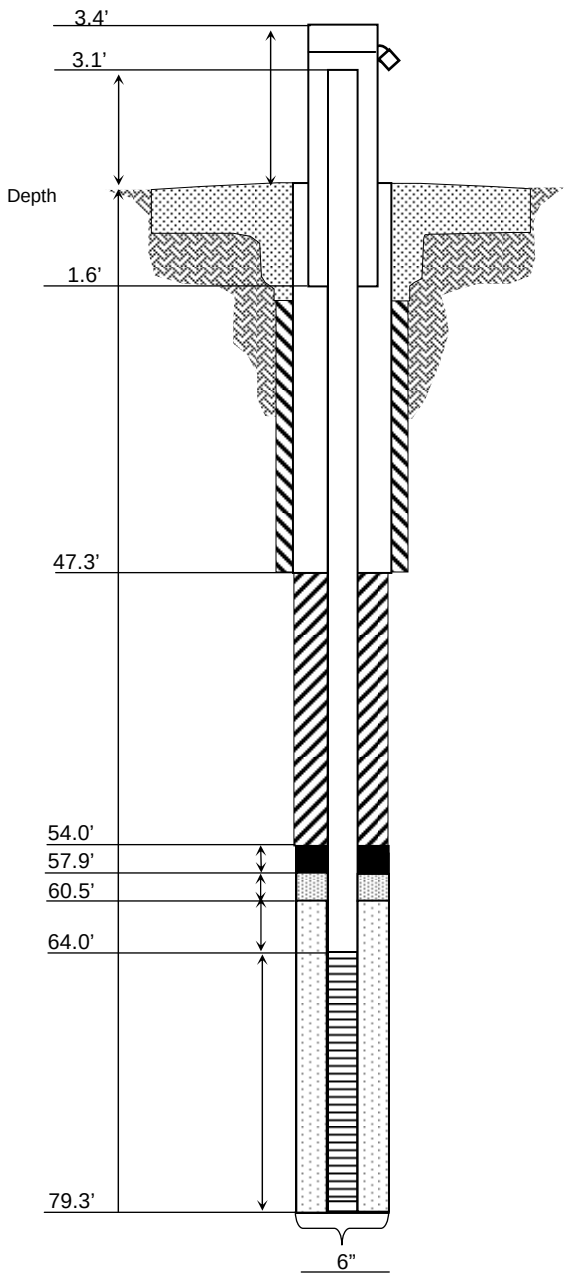
HEMATITE, MISSOURI

BR-6-OB Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-06-RB	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 7/15/04 End Date: 7/16/04	Elevation:(Top of Pad): 422.6061 ft amsl	
	Coordinates: N 863687.7157	
	E 827468.1482	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 1.6 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 40 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 64.0'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 54.0'

Centralizers (Y / N): Yes
Depth(s): 19.0', 54.0'

Bentonite Seal
Type: ¼" Bentonite Pellets
Source: Pel-Plug
Setup/Hydration Time: 15 hours Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 50#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: FilterSil
Amt. Used: 250#
Tremied (Y / N): Yes

Screen
Type: SCH 40 PVC
Diameter: 2"
Length: 15'
Slot Size and Type: 0.010 slotted
Interval BGS: 64.0' – 79.0'

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 47.3'

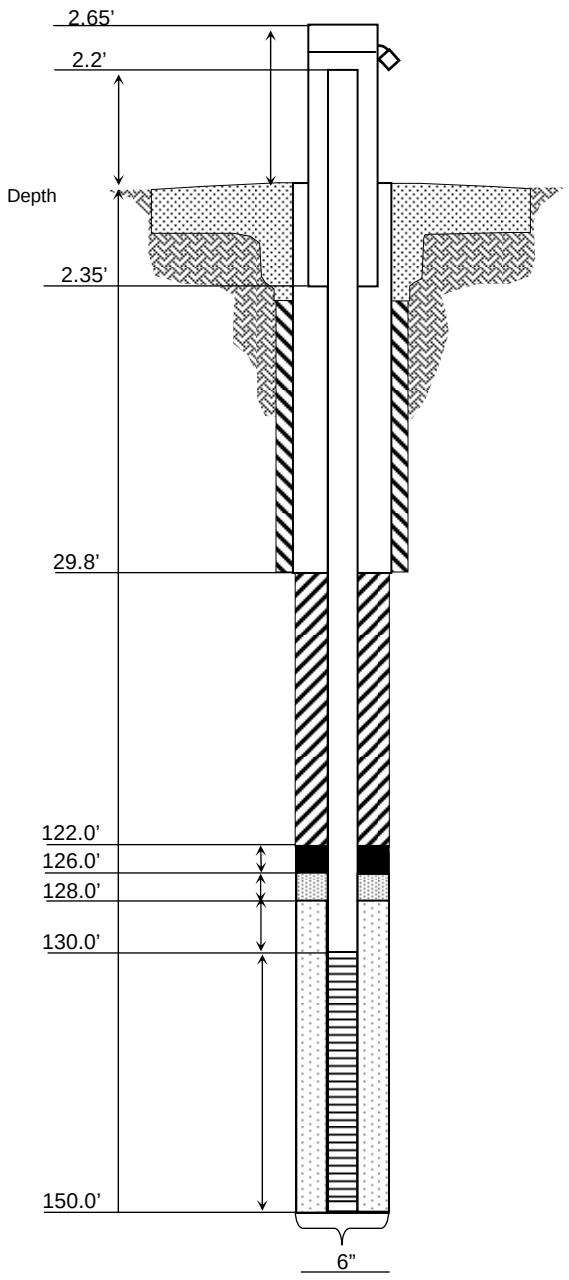
Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

BR-6-RB Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-07-JC	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 8/9/04 End Date: 8/10/04	Elevation: (Top of Pad): 476.9589 ft amsl	
	Coordinates: N 864147.0981	
	E 829606.2664	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 2.1 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 80 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 130.0'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 122.0'

Centralizers (Y / N): Yes
Depth(s): 30', 70', 110'

Bentonite Seal
Type: ¼" Bentonite Pellets
Source: Pel-Plug
Setup/Hydration Time: 1.5 hours Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 50#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: Unimin FilterSil
Amt. Used: 350#
Tremied (Y / N): Yes

Screen
Type: SCH 80 PVC
Diameter: 2"
Length: 20'
Slot Size and Type: 0.010 slotted
Interval BGS: 130.0 – 150.0'

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 29.8''

Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
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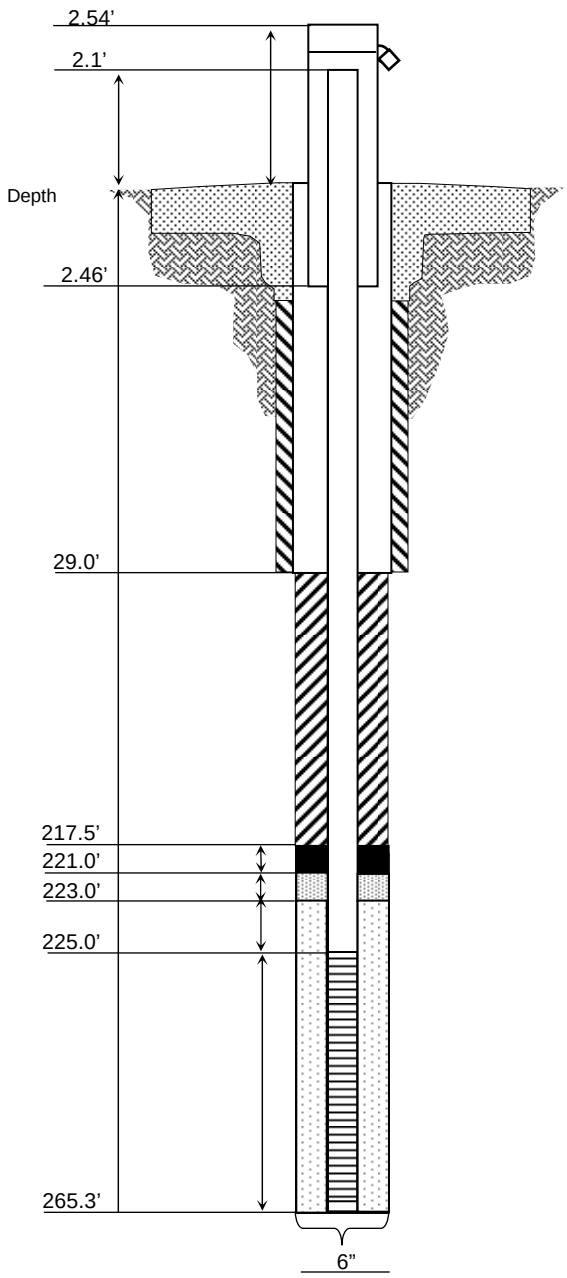
HEMATITE, MISSOURI

BR-7-JC Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-07-RB	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 8/4/04 End Date: 8/10/04	Elevation: (Top of Pad): 476.5835 ft amsl	
	Coordinates: N 864152.4167	
	E 829600.8588	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 2.46 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 80 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 225.0'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 217.5'

Centralizers (Y / N): Yes
Depth(s): 60', 110', 160', 210'

Bentonite Seal
Type: ¼" Bentonite Pellets
Source: Pel-Plug
Setup/Hydration Time: 1.5 hours Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 50#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: Unimin FilterSil
Amt. Used: 700#
Tremied (Y / N): Yes

Screen
Type: SCH 80 PVC
Diameter: 2"
Length: 40'
Slot Size and Type: 0.010 slotted
Interval BGS: 225.0' – 265.0''

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 29.0''

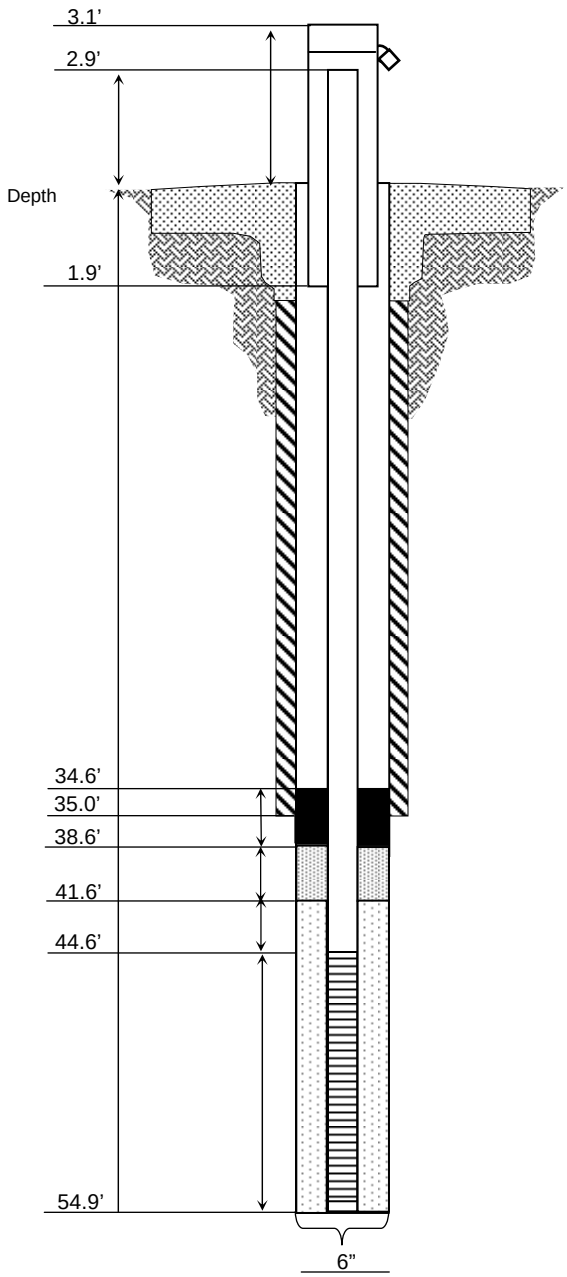
Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

BR-7-RB Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-08-JC	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 6/29/04 End Date: 6/29/04	Elevation: (Top of Pad): 418.6150 ft amsl	
	Coordinates: N 864793.1723	
	E 828597.7762	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 1.9 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 40 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 44.6'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 35.0'

Centralizers (Y / N): Yes
Depth(s): 34.6'

Bentonite Seal
Type: ¼" Bentonite Pellets
Source: Pel-Plug
Setup/Hydration Time: 1 hour Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 50#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: FilterSil
Amt. Used: 350#
Tremied (Y / N): Yes

Screen
Type: SCH 40 PVC
Diameter: 2"
Length: 10'
Slot Size and Type: 0.010 slotted
Interval BGS: 44.6' – 54.6'

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 35.0'

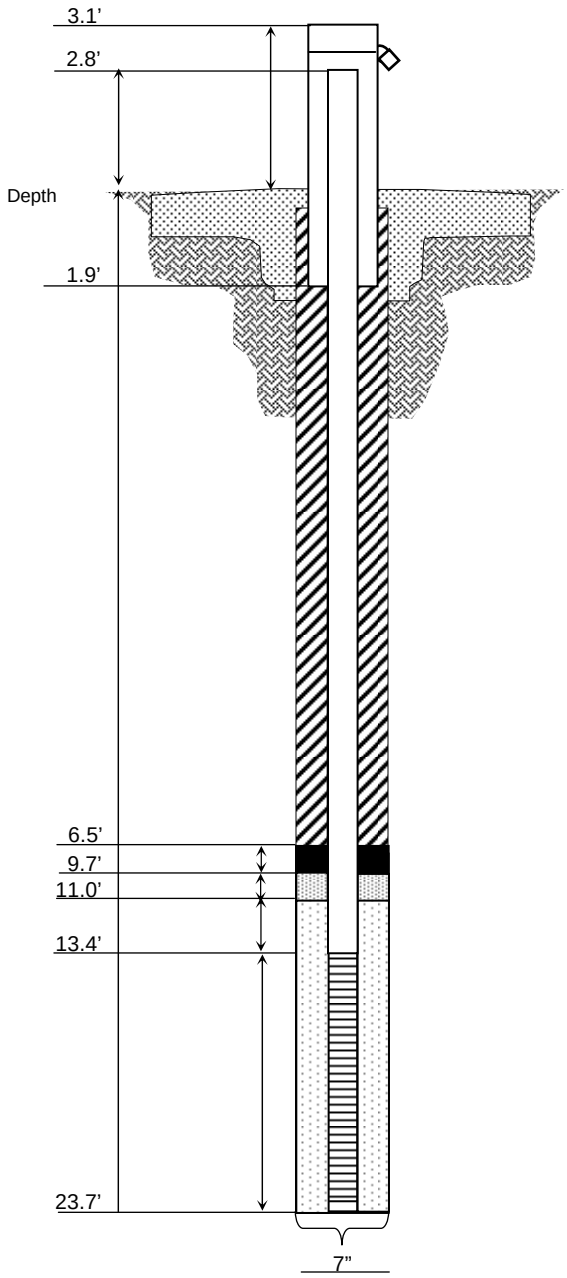
Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE, MISSOURI FACILITY
HEMATITE, MISSOURI

BR-8-JC Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-08-OB	Installation: Above Ground Completion	
Project No. SAHEM0036	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 6/30/04 End Date: 6/30/04	Elevation (Top of Pad): 418.7174 ft amsl	
	Coordinates: N 864793.4370	
	E 828593.2184	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 1.9 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 40 PVC
Diameter: 2 inch
Total Depth (Ground surface to TOS): 13.4 ft
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 6.5'

Centralizers (Y / N): No
Depth(s): N/A

Bentonite Seal
Type: ¼ in. bentonite pellets
Source: Pel-Plug
Setup/Hydration Time: 1 hour Vol. Fluid Added: 5 gal
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 50#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: FilterSil
Amt. Used: 200#
Tremied (Y / N): Yes

Screen
Type: SCH 40 PVC
Diameter: 2 in.
Length: 10 ft
Slot Size and Type: 0.010 slotted
Interval BGS: 13.4' – 23.4'

Isolation Casing (Y / N): No
Type:
Diameter:
Total Length:

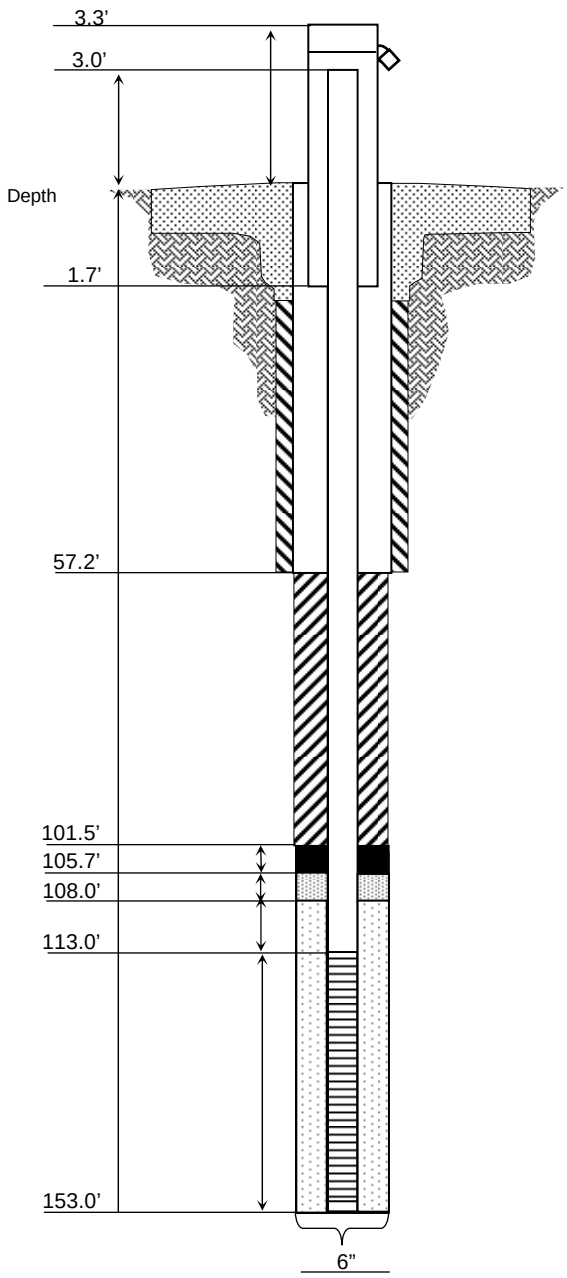
Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

BR-8-OB Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-08-RB	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 6/24/04 End Date: 6/24/04	Elevation:(Top of Pad): 418.7494 ft amsl	
	Coordinates: N 864793.0701	
	E 828603.5976	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 1.7 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 80 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 113.0'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 101.5'

Centralizers (Y / N): Yes
Depth(s): 33.0', 73.0', 113.0'

Bentonite Seal
Type: ¼" Bentonite Pellets
Source: Pel-Plug
Setup/Hydration Time: 1 hour Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 50#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: FilterSil
Amt. Used: 750#
Tremied (Y / N): Yes

Screen
Type: SCH 80 PVC
Diameter: 2"
Length: 40'
Slot Size and Type: 0.010 slotted
Interval BGS: 113.0 – 153.0

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 57.2'

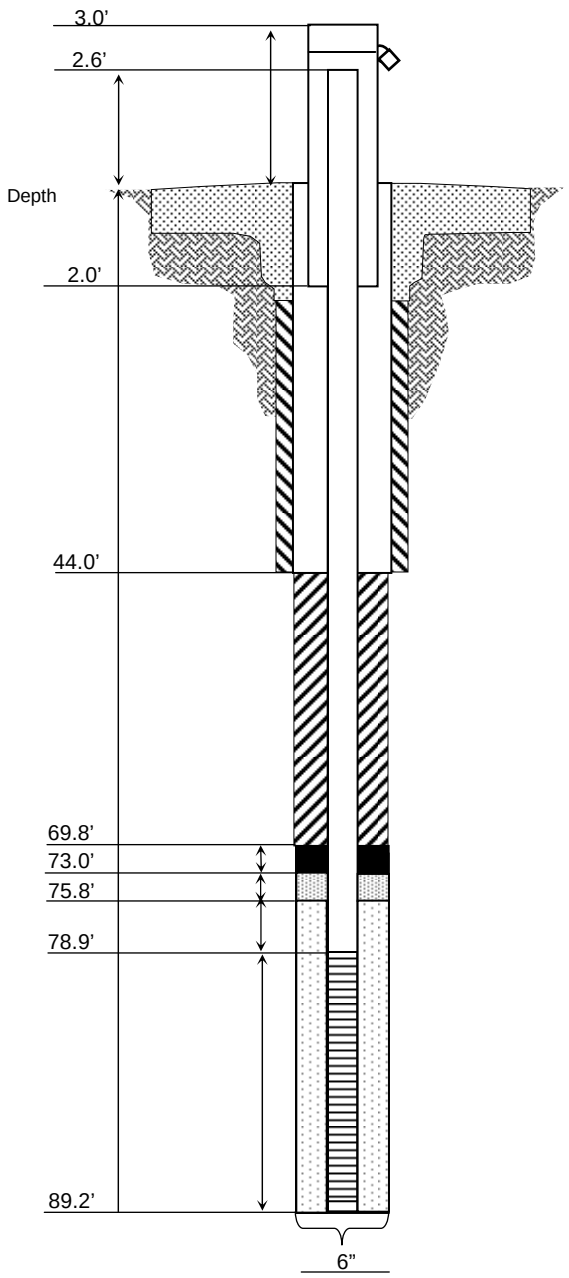
Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

BR-8-RB Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-09-JC	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 7/27/04 End Date: 7/28/04	Elevation (Top of Pad): 420.4106 ft amsl	
	Coordinates: N 865335.2116	
	E 828731.7445	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 2.0 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 80 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 78.9'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 69.8'

Centralizers (Y / N): Yes
Depth(s): 30', 60'

Bentonite Seal
Type: ¼" Bentonite Pellets
Source: Pel-Plug
Setup/Hydration Time: 1 hour Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 50#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: FilterSil
Amt. Used: 200#
Tremied (Y / N): Yes

Screen
Type: SCH 80 PVC
Diameter: 2"
Length: 10'
Slot Size and Type: 0.010 slotted
Interval BGS: 78.9' – 88.9'

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 44.0'

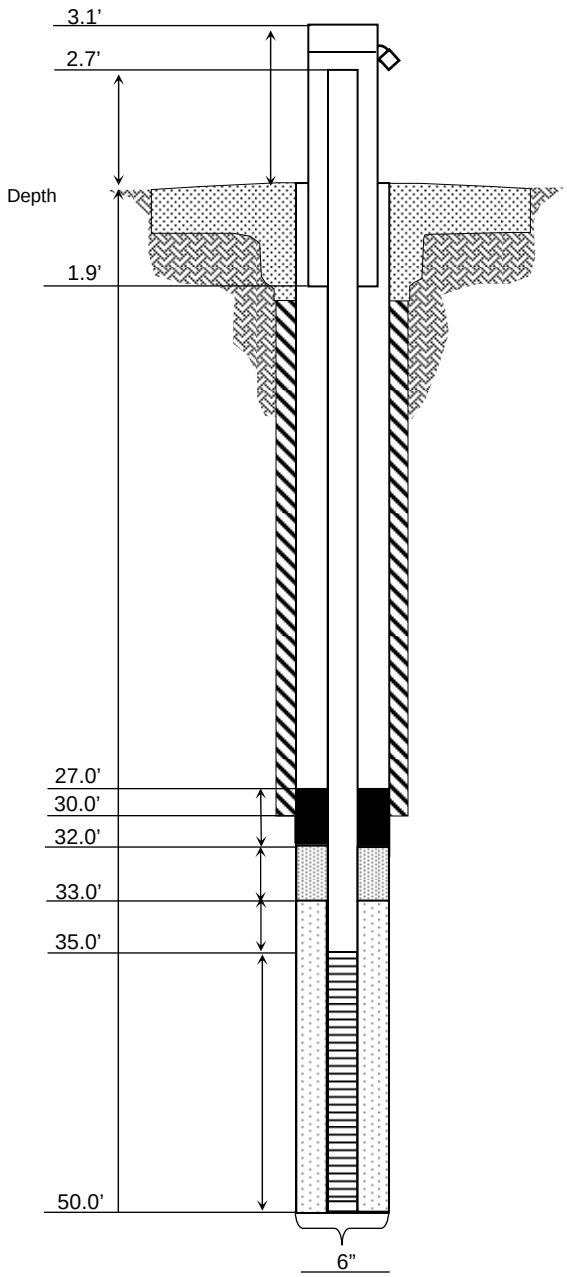
Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

BR-9-JC Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-10-JC	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 8/2/04 End Date: 8/3/04	Elevation:(Top of Pad): 418.9648 ft amsl	
	Coordinates: N 864348.1471	
	E 828685.5210	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 1.9 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 40 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 35.0'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 30.0'

Centralizers (Y / N): Yes
Depth(s): 5', 25'

Bentonite Seal
Type: ¼" Bentonite Pellets
Source: Pel-Plug
Setup/Hydration Time: 1 hour Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 25#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: Unimin FilterSil
Amt. Used: 300#
Tremied (Y / N): Yes

Screen
Type: SCH 40 PVC
Diameter: 2"
Length: 15'
Slot Size and Type: 0.010 slotted
Interval BGS: 35.0' – 50.0'

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 30.0'

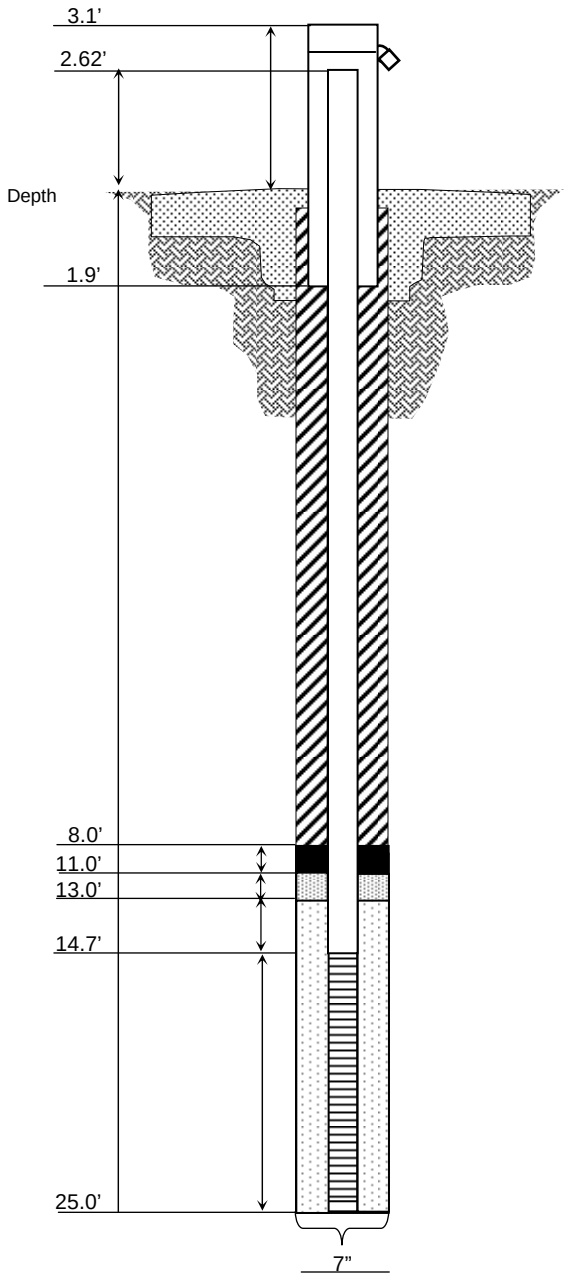
Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE, MISSOURI FACILITY
HEMATITE, MISSOURI

BR-10-JC Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-10-OB	Installation: Above Ground Completion	
Project No. SAHEM0036	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 7/29/04 End Date: 7/29/04	Elevation (Top of Pad): 418.9044 ft amsl	
	Coordinates: N 864343.1843	
	E 828681.0543	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 1.9 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 80 PVC
Diameter: 2 inch
Total Depth (Ground surface to TOS): 14.7'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 8.0'

Centralizers (Y / N): No
Depth(s): N/A

Bentonite Seal
Type: ¼ in. bentonite pellets
Source: Pel-Plug
Setup/Hydration Time: 45 min Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 50#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: Unimin FilterSil
Amt. Used: 250#
Tremied (Y / N): Yes

Screen
Type: SCH 80 PVC
Diameter: 2 in.
Length: 10 ft
Slot Size and Type: 0.010 slotted
Interval BGS: 14.7' – 24.7'

Isolation Casing (Y / N): No
Type:
Diameter:
Total Length:

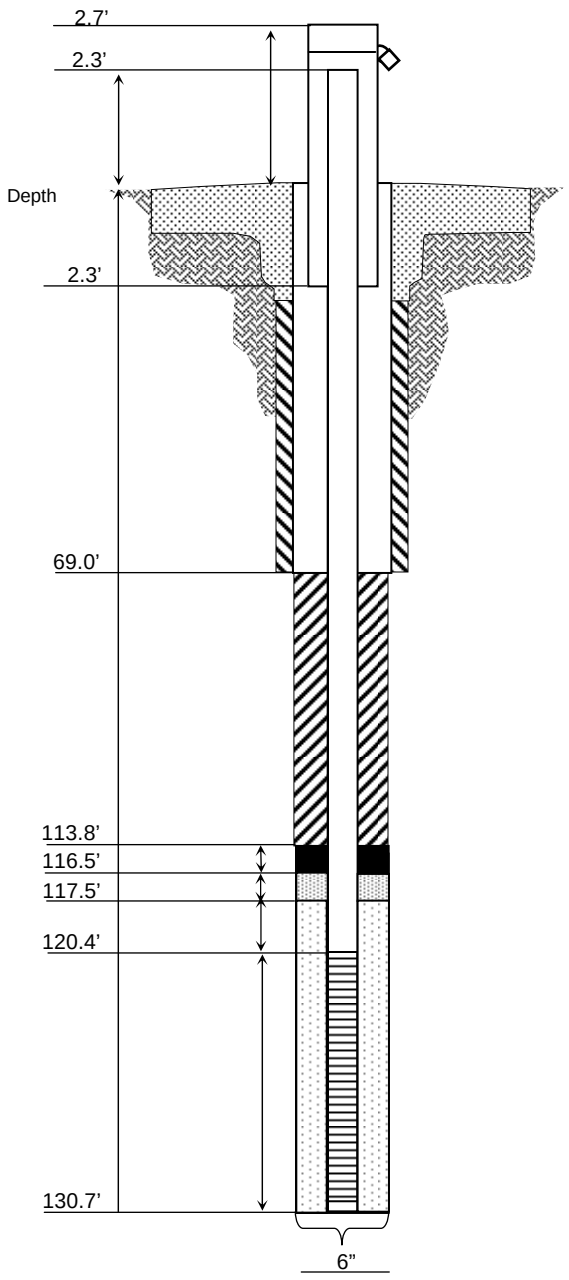
Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

BR-10-OB Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-10-RB	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 9/3/04 End Date: 9/3/04	Elevation:(Top of Pad): 419.6170 ft amsl	
	Coordinates: N 864343.1840	
	E 828681.0540	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 2.3 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 80 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 120.4'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 113.8'

Centralizers (Y / N): Yes
Depth(s): 30'. 80', 110"

Bentonite Seal
Type: 1/4" Bentonite Pellets
Source: Pel-Plug
Setup/Hydration Time: 1 hour Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 25#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: Unimin FilterSil
Amt. Used: 250#
Tremied (Y / N): Yes

Screen
Type: SCH 80 PVC
Diameter: 2"
Length: 10'
Slot Size and Type: 0.010 slotted
Interval BGS: 120.4' – 130.4'

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 69.0'

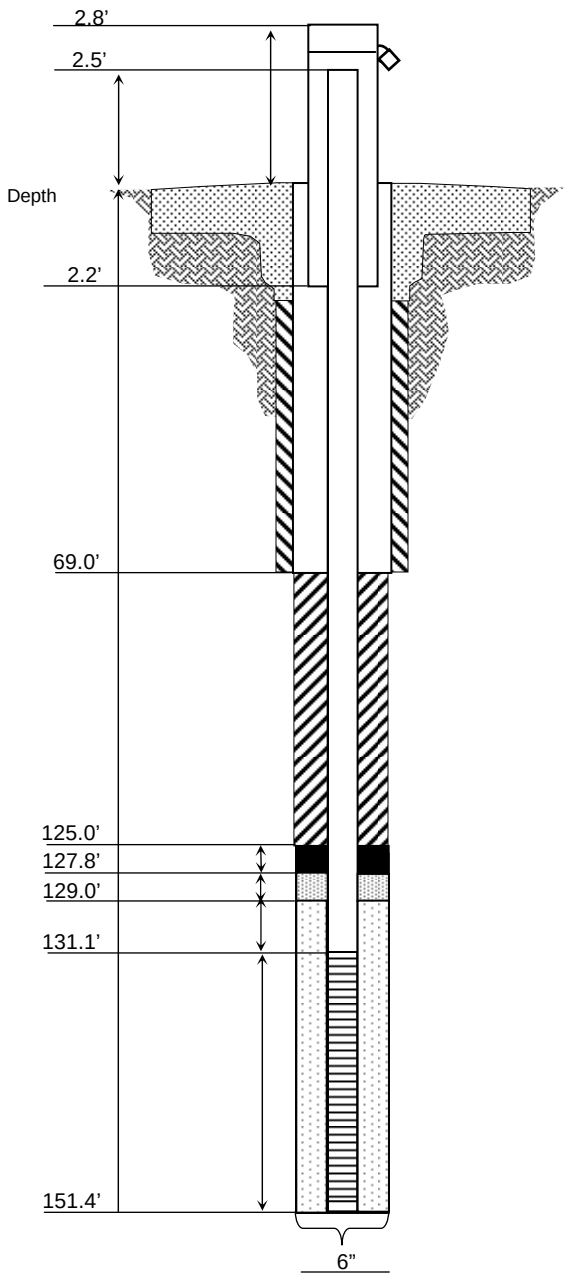
Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

BR-10-RB Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-11-JC	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 8/24/04 End Date: 9/3/04	Elevation:(Top of Pad): 430.7468 ft amsl	
	Coordinates: N 865466.9942	
	E 829711.6939	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 2.2 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 80 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 131.1'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 125.0'

Centralizers (Y / N): Yes
Depth(s): 40'. 80', 120"

Bentonite Seal
Type: 3/8" Bentonite Pellets
Source: Cetco
Setup/Hydration Time: 1 hour Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 25#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: Unimin FilterSil
Amt. Used: 300#
Tremied (Y / N): Yes

Screen
Type: SCH 80 PVC
Diameter: 2"
Length: 20'
Slot Size and Type: 0.010 slotted
Interval BGS: 131.1' – 151.1'

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 69.0'

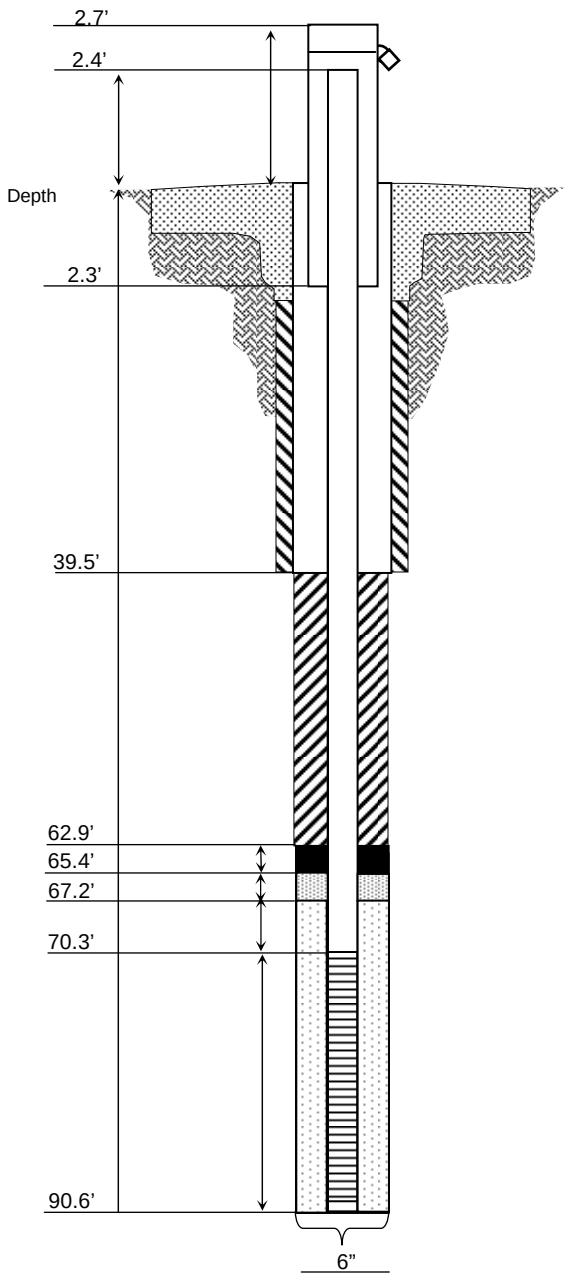
Backfill Plug: Yes
Material: Portland Cement
Setup/Hydration Time: 18 hours
Tremied (Y / N): Yes

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

BR-11-JC Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-12-JC	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 9/2/04 End Date: 9/3/04	Elevation:(Top of Pad): 435.8374 ft amsl	
	Coordinates: N 865546.4696	
	E 826970.0207	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 2.3 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 80 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 70.3'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 62.9'

Centralizers (Y / N): Yes
Depth(s): 19', 49', 69'

Bentonite Seal
Type: ¼" Bentonite Pellets
Source: Pel-Plug
Setup/Hydration Time: 1.5 hours Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 50#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: Unimin FilterSil
Amt. Used: 350#
Tremied (Y / N): Yes

Screen
Type: SCH 80 PVC
Diameter: 2"
Length: 20'
Slot Size and Type: 0.010 slotted
Interval BGS: 70.3' – 90.3'

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 39.5'

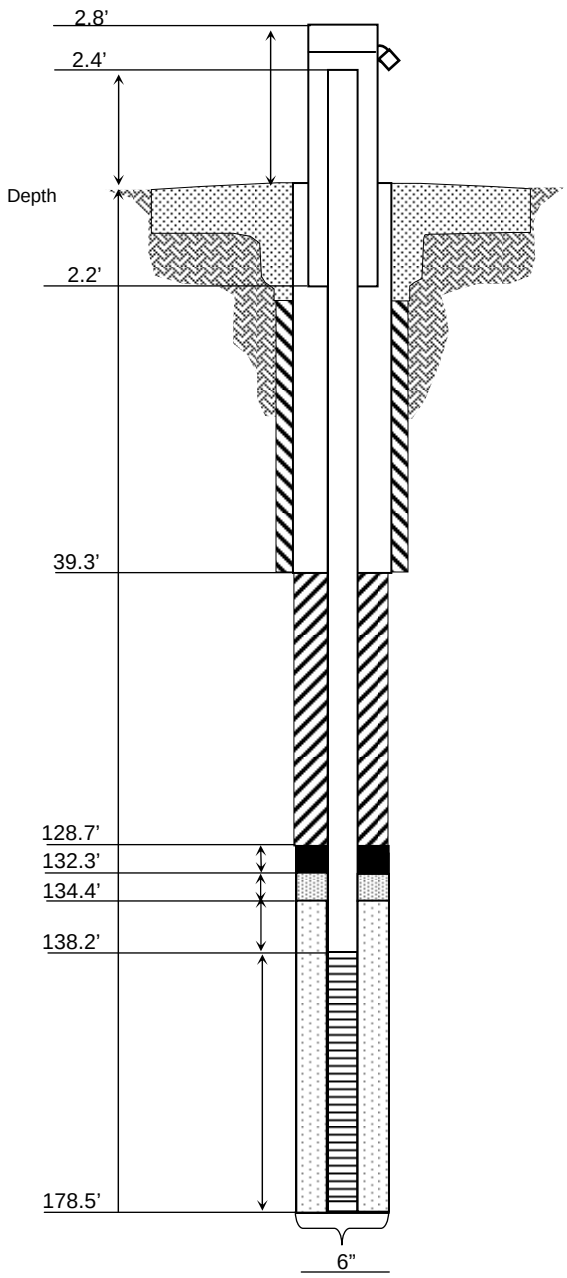
Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

BR-12-JC Monitoring Well Construction Log

Science Applications International Corporation

Well No. BR-12-RB	Installation: Above Ground Completion	
Project No. SAHEM00136	Client/Project: Westinghouse Electric Company	Site: Hematite Facility
Contractor: SAIC	Drill Contractor: Geotechnology Inc.	
Start Date: 8/30/04 End Date: 8/31/04	Elevation:(Top of Pad): 435.6724 ft amsl	
	Coordinates: N 865539.7662	
	E 826977.2883	



NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Depth BGS: 2.2 ft Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Y
No: Type:

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Riser Pipe
Type: SCH 80 PVC
Diameter: 2"
Total Depth (Ground surface to TOS): 138.2'
Ventilated Cap (Y / N): No

Grout
Composition & Proportions: 50# Bentonite Grout/24 gal water
Grout Type: Wyo-Ben Grout Well
Weight (lbs/gal.): N/A
% Solids: 20%
Tremied (Y / N): Yes
Interval BGS: 0.0' – 128.7'

Centralizers (Y / N): Yes
Depth(s): 17', 57', 97', 137'

Bentonite Seal
Type: ¼" Bentonite Pellets
Source: Pel-Plug
Setup/Hydration Time: 18 hours Vol. Fluid Added: N/A
Tremied (Y / N): No

Secondary Filter Pack
Graduation Designation: 100 mesh
Grain Size: N/A
Type: Colorado Silica Sand
Amt. Used: 50#
Tremied (Y / N): Yes

Primary Filter Pack
Graduation Designation: 10/20 mesh
Grain Size: N/A
Type: Unimin FilterSil
Amt. Used: 600#
Tremied (Y / N): Yes

Screen
Type: SCH 80 PVC
Diameter: 2"
Length: 40'
Slot Size and Type: 0.010 slotted
Interval BGS: 138.2' – 178.2'

Isolation Casing (Y / N): Yes
Type: Steel
Diameter: 6"
Total Length: 39.3'

Backfill Plug: N/A
Material:
Setup/Hydration Time:
Tremied (Y / N):

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

BR-12-RB Monitoring Well Construction Log

Science Applications International Corporation

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APPENDIX F
WELL ASSESSMENT REPORT

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Remedial Investigation

Baseline Groundwater Well Assessment
Well Inspection Reports

Prepared for:

Westinghouse Electric Company
Hematite Facility
3300 State Road P
Festus, MO 63028

Prepared by:

Science Applications International Corporation
8421 St. John Industrial Drive
St. Louis, MO 63114

December 2004

WESTINGHOUSE HEMATITE REMEDIAL INVESTIGATION
BASELINE GROUNDWATER ASSESSMENT MONITORING WELL INSPECTION

Well Designation	Date Installed	Well Construction Material	Well Casing Diameter (inches O.D.)	Coordinates (MO State Plane NAD83) Northing/Easting		Top of Casing Elevation (feet AMSL)	Surface Elevation (feet AMSL)	Top of Pad Elevation (feet AMSL)	Bottom of Well Elevation (feet AMSL)	Depth of Well (feet BTOC)	Screen Length (feet)	Screen Interval (feet BGS)	Hydrostratigraphic Zone Monitored
WS-7	Unknown	PVC	4	864565.427	827291.600	432.098	432.182	432.352	413.008	19.09	13.1	6.0 - 19.1	Unconsolidated
WS-8	Unknown	PVC	4	864525.130	827434.856	433.489	431.571	431.626	415.669	17.82	12.6	3.3 - 15.9	Unconsolidated
WS-9	Unknown	PVC	4	864406.938	827302.683	432.690	431.805	432.707	405.720	26.97	21.0	4.9 - 25.9	Unconsolidated
WS-14	Unknown	PVC	2	864942.682	827678.920	435.542	433.534	433.689	410.622	24.92	10.0	13.1 - 23.1	Unconsolidated
WS-15	Unknown	PVC	2	865099.807	827623.158	432.699	430.465	430.685	406.319	26.38	10.0	14.2 - 24.2	Unconsolidated
WS-16	Unknown	PVC	2	865005.102	827834.839	432.158	430.191	430.298	409.978	22.18	10.0	10.3 - 20.3	Unconsolidated
WS-17B	06/26/96	PVC	2	864810.010	827553.822	435.321	433.304	433.533	417.171	18.15	13.0	7.0 - 20.0	Unconsolidated
WS-22	09/24/98	PVC	2	865303.641	827216.171	440.932	438.238	438.369	421.762	19.17	5.0	10.5 - 15.5	NSSSC/Unconsolidated
WS-23	09/24/98	PVC	2	865300.148	827219.760	440.969	438.230	438.461	399.739	41.23	10.0	28.5 - 38.5	DSCC/Unconsolidated
WS-24	09/23/98	PVC	2	865365.843	827403.397	439.521	436.599	436.804	419.891	19.63	10.0	5.5 - 15.5	NSSSC/Unconsolidated
WS-25	09/23/98	PVC	2	865368.538	827398.207	439.090	436.553	436.826	399.530	39.56	10.0	28.4 - 38.4	DSCC/Unconsolidated
WS-26	09/28/98	PVC	2	865104.940	827670.681	433.530	430.724	430.870	415.280	18.25	10.0	5.0 - 15.0	NSSSC/Unconsolidated
WS-27	09/28/98	PVC	2	865109.025	827662.626	433.486	430.643	431.013	398.336	35.15	10.0	21.8 - 31.8	DSCC/Unconsolidated
WS-28	09/25/98	PVC	2	865037.219	827867.373	428.557	425.575	425.864	409.867	18.69	10.0	6.5 - 16.5	NSSSC/Unconsolidated
WS-29	09/25/98	PVC	2	865041.262	827870.790	428.124	425.129	425.515	397.484	30.64	7.0	20.4 - 27.4	DSCC/Unconsolidated
WS-30	10/15/98	PVC	2	865041.273	827862.686	428.189	425.383	425.674	376.119	52.07	10.0	38.9 - 48.9	Jefferson City - Cotter Dolomite
WS-31	10/13/98	PVC	2	865045.126	827867.304	427.545	424.886	425.160	343.475	84.07	10.0	71.3 - 81.3	Jefferson City - Cotter Dolomite
WS-32	09/30/98	PVC	2	Not Available	Not Available	*436.11	*433.20	Not Available	*397.33	38.78	5.0	30.8 - 35.8	DSCC/Unconsolidated
WS-34	09/21/98	PVC	2	Not Available	Not Available	*436.96	*434.21	Not Available	*399.16	37.80	10.0	7.6 - 17.6	DSCC/Unconsolidated
PZ-3	10/13/98	PVC	2	Not Available	Not Available	*435.85	*433.23	Not Available	*372.24	63.61	10.0	25.6 - 35.6	Jefferson City - Cotter Dolomite
PZ-4	10/13/98	PVC	2	865284.792	827225.521	440.543	438.158	438.254	378.663	61.88	10.0	49.3 - 59.3	Jefferson City - Cotter Dolomite
OB-1	05/15/02	PVC	2	863749.529	826667.871	429.636	426.610	426.787	400.466	29.17	16.0	10.0 - 26.2	Terrace/Unconsolidated
OB-2	05/28/02	PVC	2	865862.215	830379.841	430.470	427.776	427.957	390.660	39.81	27.0	10.0 - 37.0	Terrace/Unconsolidated
BR1-JC	06/06/02	PVC	1	864374.559	826534.913	441.870	439.242	439.201	332.080	109.79	10.0	97.0 - 107.0	Jefferson City - Cotter Dolomite
BR1-RB	07/24/02	PVC	2	864407.126	826497.893	442.489	439.703	440.019	274.889	167.60	40.0	125.0 - 165.0	Roubidoux Formation
BR2-JC	07/23/02	PVC	1	865552.903	830590.896	431.169	428.364	428.756	313.479	117.69	5.0	105.0 - 115.0	Jefferson City - Cotter Dolomite
BR2-RB	07/24/02	PVC	2	865532.163	830550.398	431.374	427.978	428.178	93.104	338.27	40.0	295.0 - 335.0	Roubidoux Formation
BR3-OB	07/23/02	PVC	2	863910.175	828167.015	421.630	418.663	418.887	394.260	27.37	11.0	13.2 - 24.3	Fluvial/Unconsolidated
BR3-RB	07/24/02	PVC	2	863886.933	828116.706	420.688	417.894	418.430	228.078	192.61	40.0	150.0 - 190.0	Roubidoux Formation
BR4-JC	07/24/02	PVC	2	865741.874	828010.390	434.271	431.799	432.158	326.871	107.40	10.0	95.0 - 105.0	Jefferson City - Cotter Dolomite
BR4-RB	07/24/02	PVC	2	865780.532	828097.050	434.731	431.726	432.110	191.751	242.98	40.0	200.0 - 240.0	Roubidoux Formation

Not Available implies that wells were not relocated during Remedial Investigation Survey phase

* Elevations obtained from Remedial Investigation/Feasibility Study Work Plan Table 5

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-7	Unknown	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 864565.427	E 827291.600	432.10
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
19.09	-0.25	6.34
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	4	13.1
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Unconsolidated	R. Tubbs	8/13/2004

Visual Observations:

- Well condition noted as good
- Flush mount casing and cap with T-handle opening
- Well pad construction – 12 inch round
- No guard posts in place
- Water-tight lockable cap in place with dedicated bailer
- Well needs numbering/labeling
- Rehabilitation not required

Video Observations:

- Beginning at 6 ft below top of casing, holes (approximately ¼ in. diameter) are present in pairs on opposite sides of the "screen". Holes are spaced approximately 6 inches apart vertically to the bottom of the well.
- Wire mesh is visible on the outside of the casing covering the holes

Hematite RI - WS7
12AUG04 0012.4F 09:12AM

Well No. WS-7 Installation: Above Ground Completion

Project No. Client/Project: Westinghouse Electric Company Site: Hematite Facility

Contractor: Unknown Drill Contractor: Unknown

Start Date: Unknown End Date: Unknown Elevation (Top of Pad): ft amsl 432.35

Coordinates: N 864565.427

E 827291.600

Depth

Protective Casing
Flush mount cover
Diameter: 6 inch round
Guard Posts (Y / N): No

Surface Pad
Composition and Size: 12-inch round concrete flush mount

Surface Casing
Type: Unknown

Riser Pipe
Type: SCH 40 PVC
Diameter: 4 in.
Total Depth (Ground surface to TOS): 6.0'

Annular Seal
Type: Unknown
Interval BGS: Unknown

6.0'

Bentonite Seal
Type: Unknown
Interval BGS: Unknown

Primary Filter Pack
Type: Unknown
Amt. Used: Unknown

Screen
Type: SCH 40 PVC
Diameter: 4 in.
Length: 13.1 ft
Slot Size and Type: ¼ in drilled round on opposite sides of pipe with approximately 6 inch vertical spacing
Interval BGS: 6.0' – 19.1'

19.1'

Unknown

NOT TO SCALE

Note: All depths inferred from video logging observations

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

WS-7 Monitoring Well Construction Log

Science Applications International Corporation

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-8	Unknown	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 864525.130	E 827434.856	433.49
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
17.82	1.86	11.57
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	4	12.6
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Unconsolidated	R. Tubbs	8/13/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 6 inch square aluminum
- No well pad
- No guard posts in place
- Slip-tight lockable cap in place with dedicated bailer
- Rehabilitation and/or maintenance not required

Video Observations:

- Beginning at 5.2 ft below top of casing, holes (approximately ¼ in. diameter) are present on four side of the “screen”. Holes are spaced approximately 1 foot apart vertically to the bottom of the well.
- Wire mesh is visible on the outside of the casing covering the holes
- Split joint at 1.9 ft below top of casing

Well No. WS-8 Installation: Above Ground Completion

Project No. Client/Project: Westinghouse Electric Company Site: Hematite Facility

Contractor: Unknown Drill Contractor: Unknown

Start Date: Unknown End Date: Unknown Elevation (Top of Pad): ft amsl 431.63

Coordinates: N 864525.130

E 827434.856

1.86'

Depth

3.4'

16.0'

Unknown

NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 6 inch square
Weep Hole? (Y / N): Yes
Guard Posts (Y / N): No

Surface Pad
Composition and Size: No well pad

Surface Casing
Type: Unknown

Riser Pipe
Type: SCH 40 PVC
Diameter: 4 in.
Total Depth (Ground surface to TOS): 3.3'

Annular Seal
Type: Unknown
Interval BGS: Unknown

Bentonite Seal
Type: Unknown
Interval BGS: Unknown

Primary Filter Pack
Type: Unknown
Amt. Used: Unknown

Screen
Type: SCH 40 PVC
Diameter: 4 in.
Length: 12.6 ft
Slot Size and Type: ¼ in drilled round on four sides of pipe with approximately 12 in. vertical spacing.
Interval BGS: 3.3' – 15.9'

Note: All depths inferred from video logging observations

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

WS-8 Monitoring Well Construction Log

Science Applications International Corporation

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-9	Unknown	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
864406.938	827302.683	432.69
Total Depth (feet BTOC):	**Riser Height (feet above grade):**	**Water Level (feet BTOC):**
26.97	0.88	23.61
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	4	21.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Unconsolidated	R. Tubbs	8/13/2004

Visual Observations:

- Well condition noted as poor
- No outer protective casing
- Well pad construction – 24 inch round concrete (loose)
- No guard posts in place
- Well needs numbering/labeling
- Loose concrete pad recommended to be replaced
- Rehabilitation not required

Video Observations:

- Beginning at 6 ft below top of casing, holes (approximately ¼ in. diameter) are present on the same side of the “screen”. Holes are spaced approximately 6 inches apart vertically to the bottom of the well.
- Wire mesh is visible on the outside of the casing covering the holes

Well No. WS-9 Installation: Above Ground Completion

Project No. Client/Project: Westinghouse Electric Company Site: Hematite Facility

Contractor: Unknown Drill Contractor: Unknown

Start Date: Unknown End Date: Unknown Elevation (Top of Casing): ft amsl 432.69

Coordinates: N 864406.938

E 827302.684

0.88'

Depth

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Weep Hole? (Y / N): No
Guard Posts (Y / N): No

Surface Pad
Composition and Size: 12-inch round concrete extended above ground

Surface Casing
Type: Unknown

Riser Pipe
Type: SCH 40 PVC
Diameter: 4 in.
Total Depth (Ground surface to TOS): 4.9'

Annular Seal
Type: Unknown
Interval BGS: Unknown

4.9'

Bentonite Seal
Type: Unknown
Interval BGS: Unknown

Primary Filter Pack
Type: Unknown
Amt. Used: Unknown

Screen
Type: SCH 40 PVC
Diameter: 4 in.
Length: 21.0 ft
Slot Size and Type: ¼ in drilled round on one side of pipe with approximately 6 in. vertical spacing.
Interval BGS: 4.9' – 25.9'

25.9'

Unknown

NOT TO SCALE

Note: All depths inferred from video logging observations

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

WS-9 Monitoring Well Construction Log

Science Applications International Corporation

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-14	Unknown	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 864942.682	E 827678.920	435.54
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
24.92	1.85	9.91
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Unconsolidated	R. Tubbs	8/18/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 12 inch round concrete
- No guard posts in place
- Water-tight cap in place with dedicated bailer
- During redevelopment, well purged dry, small gravels present in bottom of well
- Rehabilitation and/or maintenance not required

Video Observations:

- Screen slots observed at approximately 15 feet below top of casing
- Total depth with camera 24.3 feet below top of casing

Well No. WS-14 Installation: Above Ground Completion

Project No. Client/Project: Westinghouse Electric Company Site: Hematite Facility

Contractor: Unknown Drill Contractor: Unknown

Start Date: Unknown End Date: Unknown Elevation (Top of Pad): ft amsl 433.69

Coordinates: N 864942.682

E 827678.920

1.85'

Depth

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Weep Hole? (Y / N): Yes
Guard Posts (Y / N): No

Surface Pad
Composition and Size: 12 in. round Concrete

Surface Casing
Type: Unknown

Riser Pipe
Type: SCH 40 PVC
Diameter: 2 inch
Total Depth (Ground surface to TOS): 13.1'

Annular Seal
Type: Unknown
Interval BGS: Unknown

Bentonite Seal
Type: Unknown
Interval BGS: Unknown

Primary Filter Pack
Type: Unknown
Amt. Used: Unknown

Screen
Type: SCH 40 PVC
Diameter: 2 in.
Length: 10 ft
Slot Size and Type: 0.010 slotted
Interval BGS: 13.1' – 23.1'

13.1'

23.1'

Unknown

NOT TO SCALE

Note: All depths inferred from video logging observations

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

WS-14 Monitoring Well Construction Log

Science Applications International Corporation

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

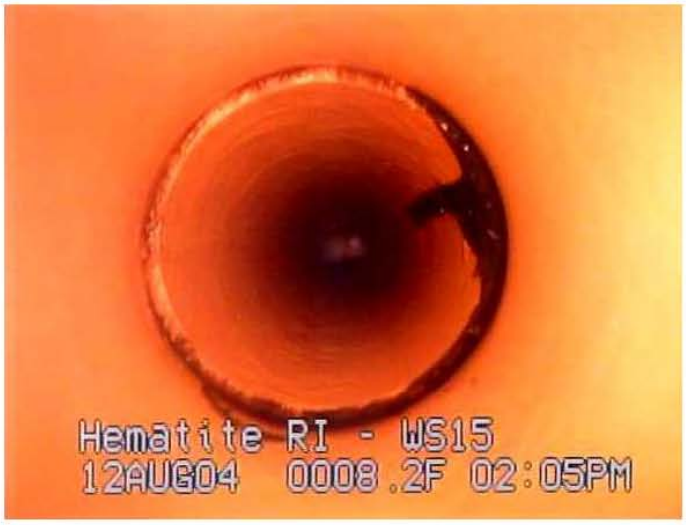
Well Number:	Date Installed:	Project Number:
WS-15	Unknown	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865099.807	E 827623.158	432.70
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
26.38	2.01	17.14
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Unconsolidated	R. Tubbs	8/18/2004

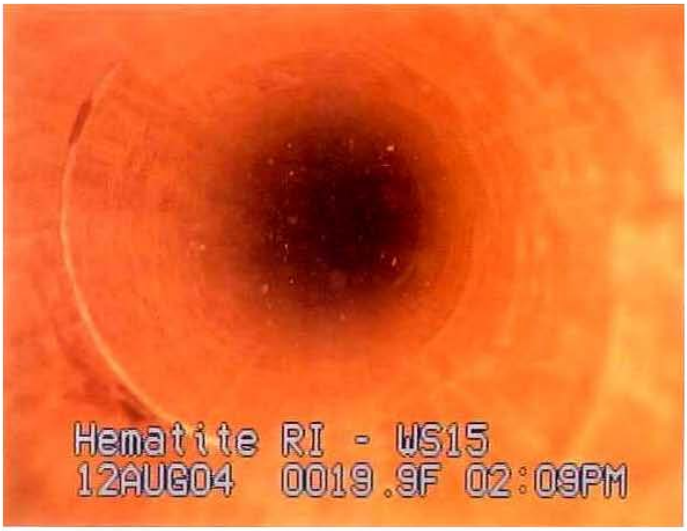
Visual Observations:

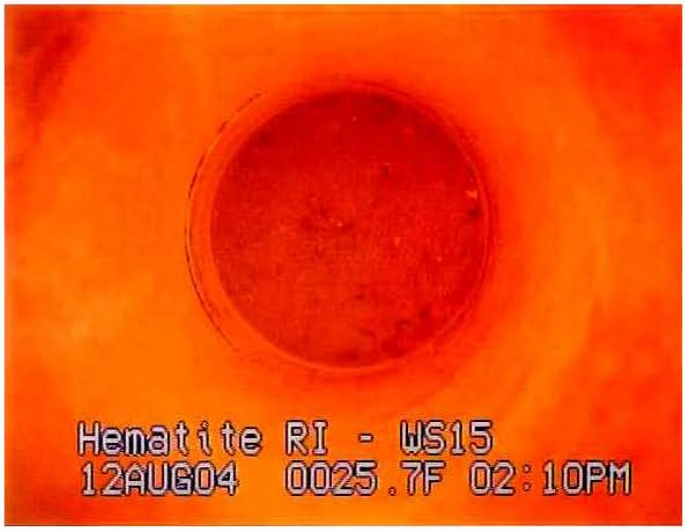
- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 12 inch round concrete
- No guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs relabeling
- During redevelopment, well produced brown water
- Rehabilitation with mud dispersant recommended to remove additional fines accumulated around filter pack

Video Observations:

- Screen slots observed at approximately 16 feet below top of casing
- Total depth with camera 26.2 feet
- Glue from slip joint connection was identified at approximately 8.5 feet below top of casing
- Very little sediment present in bottom of well






Hematite RI - WS15
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Well No. WS-15 Installation: Above Ground Completion

Project No. Client/Project: Westinghouse Electric Company Site: Hematite Facility

Contractor: Unknown Drill Contractor: Unknown

Start Date: Unknown End Date: Unknown Elevation (Top of Pad): ft amsl 430.69

Coordinates: N 865099.807

E 827623.158

2.0'

Depth

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Weep Hole? (Y / N): Yes
Guard Posts (Y / N): No

Surface Pad
Composition and Size: 12 in. round Concrete

Surface Casing
Type: Unknown

Riser Pipe
Type: SCH 40 PVC
Diameter: 2 inch
Total Depth (Ground surface to TOS): 14.2'

Annular Seal
Type: Unknown
Interval BGS: Unknown

Bentonite Seal
Type: Unknown
Interval BGS: Unknown

Primary Filter Pack
Type: Unknown
Amt. Used: Unknown

Screen
Type: SCH 40 PVC
Diameter: 2 in.
Length: 10 ft
Slot Size and Type: 0.010 slotted
Interval BGS: 14.2' – 24.2'

14.2'

24.2'

Unknown

NOT TO SCALE

Note: All depths inferred from video logging observations

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

WS-15 Monitoring Well Construction Log

Science Applications International Corporation

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

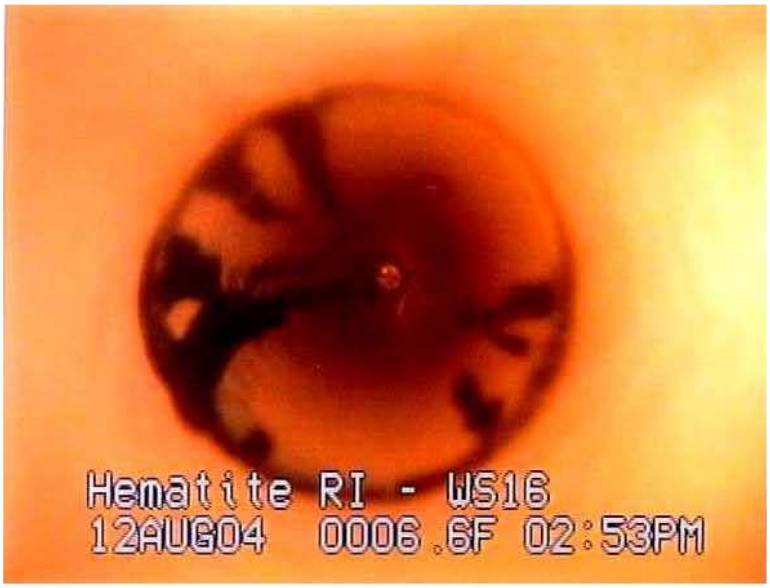
Well Number:	Date Installed:	Project Number:
WS-16	Unknown	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865005.102	E 827834.839	432.16
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
22.18	1.86	10.94
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Unconsolidated	R. Tubbs	8/18/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 12 inch round concrete
- No guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs relabeling
- During redevelopment, well produced brown water with small amounts of gravel
- Rehabilitation with mud dispersant recommended to remove additional fines accumulated around filter pack

Video Observations:

- Screen slots observed at 12.5 feet below top of casing
- Active screen action observed
- Total depth with camera 21.9 feet
- Joint around 7 feet appears to be glued with excess glue continuing down well



Well No. WS-16 Installation: Above Ground Completion

Project No. Client/Project: Westinghouse Electric Company Site: Hematite Facility

Contractor: Unknown Drill Contractor: Unknown

Start Date: Unknown End Date: Unknown Elevation (Top of Pad): ft amsl 430.30

Coordinates: N 865005.102

E 827834.839

1.86'

Depth

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Weep Hole? (Y / N): Yes
Guard Posts (Y / N): No

Surface Pad
Composition and Size: 12 in. round Concrete

Surface Casing
Type: Unknown

Riser Pipe
Type: SCH 40 PVC
Diameter: 2 inch
Total Depth (Ground surface to TOS): 10.3'

Annular Seal
Type: Unknown
Interval BGS: Unknown

Bentonite Seal
Type: Unknown
Interval BGS: Unknown

Primary Filter Pack
Type: Unknown
Amt. Used: Unknown

Screen
Type: SCH 40 PVC
Diameter: 2 in.
Length: 10 ft
Slot Size and Type: 0.010 slotted
Interval BGS: 10.3' – 20.3'

10.3'

20.3'

Unknown

NOT TO SCALE

Note: All depths inferred from video logging observations

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

WS-16 Monitoring Well Construction Log

Science Applications International Corporation

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-17B	6/26/1996	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 864810.010	E 827553.822	435.32
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
18.15	1.79	7.38
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	13.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Unconsolidated	R. Tubbs	8/19/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 12 inch round concrete
- Three guard posts in place
- Water-tight cap in place with dedicated bailer
- Rehabilitation and/or maintenance not required

Cast Aluminum Protective Casing

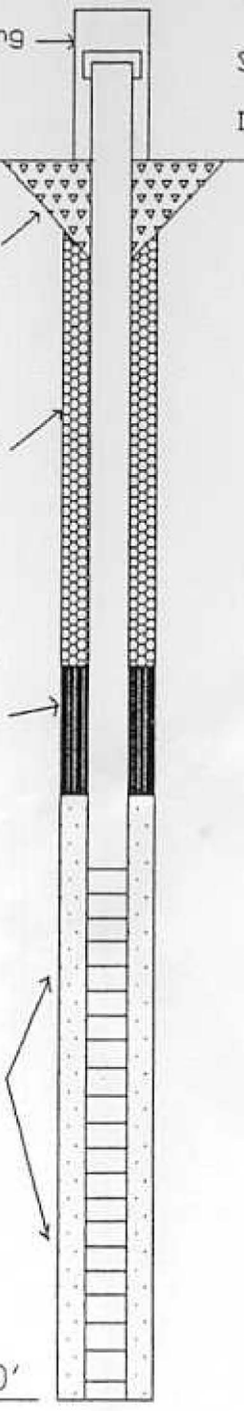
Ground Elevation : 433.0'

Coordinates : N961.2, E1896.4

Top of Well Elevation : 435.36'

Stick up : 2.36'

Date Installed : June 26, 1996



RISER :

Diameter : 2"

Material : PVC

Schedule : 40

Type of Joints : Threaded

SCREEN :

Diameter : 2"

Material : PVC

Slot Size : 0.010"

Length : 13'

CAP :

Type : PVC

DRILLER

ROBERT'S ENVIRONMENTAL DRILLING INCORPORATED

DRILLING METHOD

4.25 INCH HOLLOW STEM AUGERS

MONITORING WELL CONSTRUCTION DIAGRAM

ABB COMBUSTION ENGINEERING

WS17B

DATE: JUNE 26, 1996

GATEWAY ENVIRONMENTAL ASSOCIATES

BY: CFN

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-22	9/24/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865303.641	E 827216.171	440.93
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
19.17	2.56	12.68
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	5.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
NSSSC/Unconsolidated	R. Tubbs	8/11/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel - rusted
- Well pad construction – 2 ft X 2 ft concrete
- Six guard posts in place
- Water-tight lockable cap in place with dedicated bailer
- Well needs numbering/labeling
- During redevelopment, well initially produced gray water having the appearance of bentonite grout, but cleared up by completion of redevelopment
- Rehabilitation with mud dispersant recommended to remove additional fines accumulated around filter pack

LOG OF BORING WS22

(Page 1 of 1)

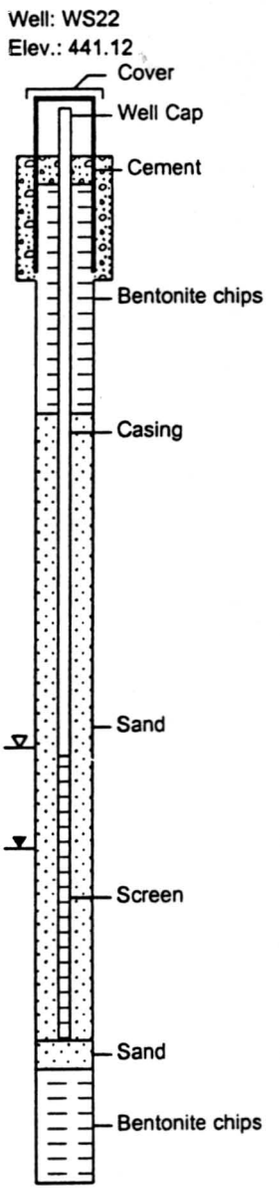
Combustion Engineering
Missouri State Route P
Hematite, Missouri

Logged By: Kerry L. Nikolaisen, RG

Date Started	: 09/24/98
Date Completed	: 09/24/98
Hole Diameter	: 8 5/8"
Drilling Method	: Hollow Stem Auger
Driller	: REDI
Sampling Method	: 5' Split-Spoon Sampler

Water Levels
▼ During Drilling
▽ After Completion (prior to development)

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Samples	% Recovery	PID (ppm)	Net CPM (0.5 min)
0			SILT/CLAYEY-SILT/SILTY-CLAY, moist pale yellow brown to moderate yellow brown, friable but firm. Trace roots.				
5							
	ML/CL		becomes slightly plastic w/ depth, softer. some black mottles (stringers).				
10							
			grading firm. Limonite staining.				
15	CH		CLAY/FAT CLAY, saturated, firm to very firm, gray/ olive gray some limonite staining and black mottles. (PP 2-2.25).				
			Boring terminated @ 18 feet bgs.				
20							



Well Construction Information

WELL CONSTRUCTION
Date Compl: 9/24/98
Hole Diam. : 8 5/8 in.
Drill. Method HSA

WELL CASING
Material : PVC
Diameter : 2 in.
Joints : threaded

WELL SCREEN
Material : PVC
Diameter : 2 in.
Joints : threaded
Opening : .010 slot

NOTES
(PP) Pocket Penetrometer

(CPM) Counts per minute

Soil lithology was taken from WS-23.

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03

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-23	9/24/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865300.148	827219.760	440.97
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
41.23	2.51	20.04
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
DSCC/Unconsolidated	R. Tubbs	8/11/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel - rusted
- Well pad construction – 2 ft X 2 ft concrete
- Six guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- During development, well continually produced gray water having the appearance of bentonite grout
- Rehabilitation with mud dispersant recommended to remove additional fines accumulated around filter pack

LOG OF BORING WS23

(Page 1 of 1)

Combustion Engineering
Missouri State Route P
Hematite, Missouri

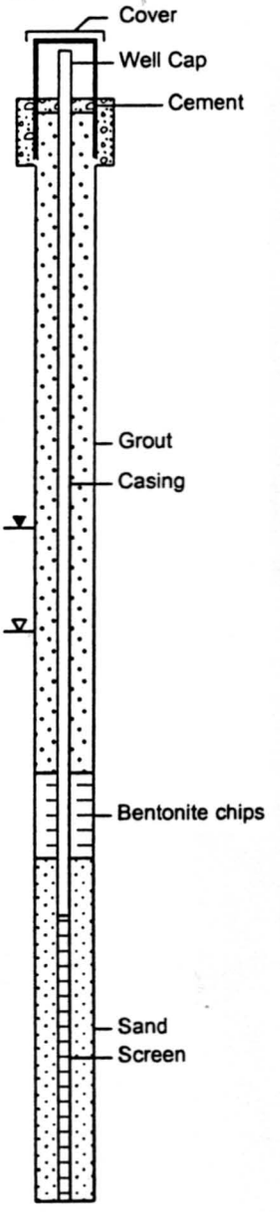
Logged By: Kerry L. Nikolaisen, RG

Date Started	: 09/24/98
Date Completed	: 09/24/98
Hole Diameter	: 8 5/8"
Drilling Method	: Hollow Stem Auger
Driller	: REDI
Sampling Method	: 5' Split-Spoon Sampler

Water Levels
▼ During Drilling
▽ After Completion (prior to development)

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Samples	% Recovery	PID (ppm)	Net CPM (0.5 min)
0	ML/CL		SILT, CLAYEY-SILT/SILTY-CLAY, moist pale yellow brown to moderate yellow brown, friable but firm. Trace roots.	1	70	0.0	24
5	ML/CL			2	96	0.0	36
10	ML/CL		becomes slightly plastic w/ depth, softer. some black mottles (stringers).	3	100	0.2	10
15	ML/CL / CH		grading firm, limonite staining. CLAY/FAT CLAY, saturated, firm to very firm, gray/ olive gray. Some limonite staining and black mottles. (PP 2-2.25).	4	100	0.2	36
20	CH			5	50	0.0	26
	CH			6	50	0.0	22
25	CH / ML/CL		SILTY CLAY/CLAYEY SILT, saturated, soft olive/ gray, black mottles, slightly plastic.	7			18
	ML/CL			8	50	0.0	60
30	ML/CL		olive gray/blue alternating layers of soft, slightly firm, nonplastic to slightly plastic soils.	9	100	0.0	2
35	GP		SANDY GRAVEL, poorly sorted.	10	0		
40			AUGER REFUSAL @ 38' feet bgs				

Well: WS23
Elev.: 441.16



Well Construction Information

WELL CONSTRUCTION
Date Compl: 9/24/98
Hole Diam. : 8 5/8 in.
Drill. Method HSA

WELL CASING
Material : PVC
Diameter : 2 in.
Joints : threaded

WELL SCREEN
Material : PVC
Diameter : 2 in.
Joints : threaded
Opening : .010 slot

NOTES
(PP) Pocket Penetrometer

(CPM) Counts per minute

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03

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-24	9/23/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865365.843	E 827403.397	439.52
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
19.63	2.72	16.31
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
NSSSC/Unconsolidated	R. Tubbs	8/16/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel – rusted
- Well pad construction – 2 ft X 2 ft concrete
- Six guard posts in place
- Water-tight lockable cap in place with dedicated bailer
- Well needs numbering/labeling
- Rehabilitation not required

LOG OF BORING WS24

(Page 1 of 1)

Combustion Engineering
Missouri State Route P
Hematite, Missouri

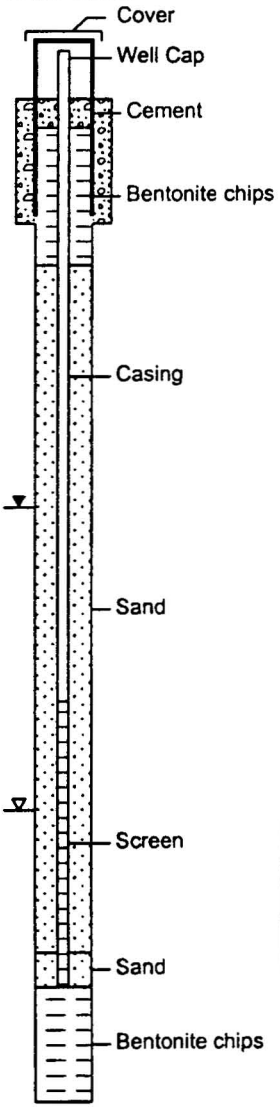
Logged By: Kerry L. Nikolaisen, RG

Date Started	: 09/23/98
Date Completed	: 09/23/98
Hole Diameter	: 8 5/8"
Drilling Method	: Hollow Stem Auger
Driller	: REDI
Sampling Method	: 5' Split-Spoon Sampler

Water Levels
▼ During Drilling
▽ After Completion (prior to development)

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Samples	% Rec-overy	PID (ppm)	Net CPM (0.5 min)
0	CL		SILTY-CLAY, moist moderate yellow soft-slightly firm.				
5	ML		CLAYEY-SILT, trace asphalt grading to a moist to wet, soft, moderate yellow brown/gray. Trace brown mottles.				
			abundant scrubber gravel, trace brown/black mottles.				
			terminates at asphalt fill.				
10	ML/CL		CLAYEY-SILT/SILTY-CLAY, saturated slightly firm, moderate yellow, brown. More clay w/ depth.				
			more brown mottles.				
			silty stringers (PP 0.5-1.25) softer w/depth				
15			saturated				
20			Boring terminated @ 17.5 feet bgs.				

Well: WS24
Elev.: 439.09



Well Construction Information

WELL CONSTRUCTION

Date Compl:	9/23/98
Hole Diam. :	8 5/8 in.
Drill. Method	HSA

WELL CASING

Material	: PVC
Diameter	: 2 in.
Joints	: threaded

WELL SCREEN

Material	: PVC
Diameter	: 2 in.
Joints	: threaded
Opening	: .010 slot

NOTES

(PP) Pocket Penetrometer

(CPM) Counts per minute

Soil lithology was taken from WS-25.

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Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-25	9/23/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865368.538	E 827398.207	439.09
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
39.56	2.26	16.30
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
DSCC/Unconsolidated	R. Tubbs	8/16/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel – rusted
- Well pad construction – 2 ft X 2 ft concrete
- Six guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- Rehabilitation not required

LOG OF BORING WS25

(Page 1 of 1)

Combustion Engineering
Missouri State Route P
Hematite, Missouri

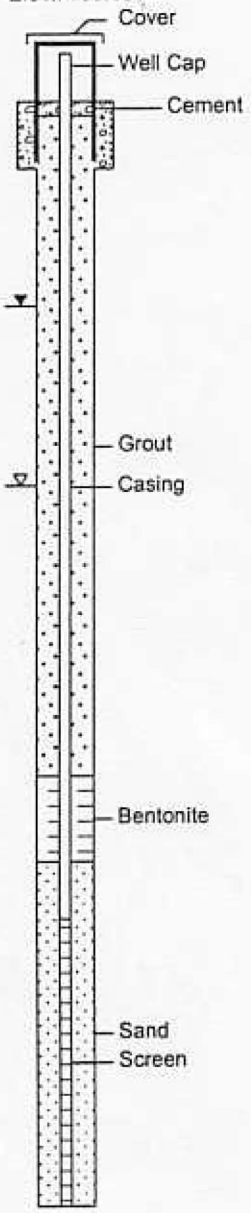
Logged By: Kerry L. Nikolaisen, RG

Date Started	: 09/23/98
Date Completed	: 09/23/98
Hole Diameter	: 8 5/8"
Drilling Method	: Hollow Stem Auger
Driller	: REDI
Sampling Method	: 5' Split-Spoon Sampler

Water Levels
▼ During Drilling
▽ After Completion (prior to development)

Depth in Feet	USCS	DESCRIPTION	Samples	% Recovery	PID (ppm)	Net CPM (0.5 min)
0	CL	SILTY-CLAY, moist, moderate yellow, soft to slightly firm.	1	34	0.0	44
5		scrubber gravel and concrete fill.	2	50	0.2	26
10	ML	CLAYEY-SILT. Some asphalt grading to a moist, wet, soft, moderate yellow brown/gray. Trace brown mottles. Abundant scrubber gravel, trace brown/black mottles.	3	100	0.0	34
15	ML/CL	CLAYEY-SILT/SILTY-CLAY, saturated slightly firm, moderate yellow, brown, brown mottles. terminates at asphalt fill. silty stringers (PP 0.5-1.25) softer.	4	100	0.2	26
20			5	100	0.0	48
25	ML	SILTY-CLAY, saturated medium gray, soft, sticky, plastic,more firm w/depth (PP -1.0). sandy, trace rounded dolomite gravel.	6	70	0.2	-2
30			7	96	0.2	42
35	GP	GRAVEL, sandy, clayey, saturated, olive gray, poorly sorted, subangular, medium size gravel.	8	40	0	24
40		AUGER REFUSAL @ 38.4 feet bgs				

Well: WS25
Elev.: 439.09



Well Construction Information

WELL CONSTRUCTION
Date Compl. : 9/23/98
Hole Diam. : 8 5/8 in.
Drill. Method : HSA

WELL CASING
Material : PVC
Diameter : 2 in.
Joints : threaded

WELL SCREEN
Material : PVC
Diameter : 2 in.
Joints : threaded
Opening : .010 slot

NOTES
(PP) Pocket Pentrometer

(CPM) Counts per minute

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-26	9/28/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865104.940	E 827670.681	433.53
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
18.25	2.66	11.64
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
NSSSC/Unconsolidated	R. Tubbs	8/16/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel – rusted
- Well pad construction – 2 ft X 2 ft concrete
- Six guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- Rehabilitation not required

LOG OF BORING WS26

(Page 1 of 1)

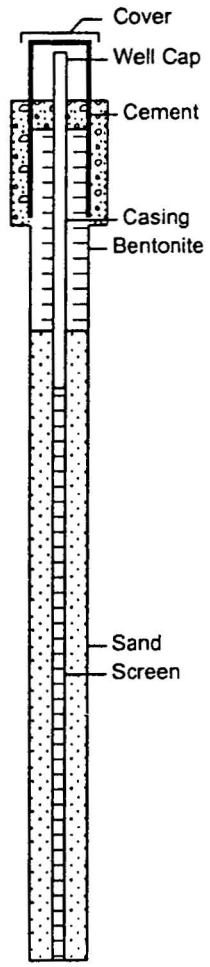
Combustion Engineering
Missouri State Route P
Hematite, Missouri

Logged By: Kerry L. Nikolaisen, RG

Date Started	: 09/28/98
Date Completed	: 09/28/98
Hole Diameter	: 8 5/8"
Drilling Method	: Hollow Stem Auger
Driller	: REDI
Sampling Method	: 5' Split-Spoon Sampler

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Samples	% Rec-overy	PID (ppm)	Net CPM (0.5 min)
0	ML		CLAYEY-SILT, moist slightly firm but friable, medium brown. Grades softer.				
5	ML/CL		CLAYEY-SILT/SILTY-CLAY, moist, moderate yellow brown, soft. Grades to an olive brown, firm-very firm, slightly plastic, (PP 1.5-3.0). Trace dolomite, subangular fragments w/ some gray mottles.				
10							
15			Boring terminated at 15 feet bgs.				
20							

Well: WS26
Elev.: 433.53



Well Construction Information

WELL CONSTRUCTION

Date Compl: 9/28/98
Hole Diam. : 8 5/8 in.
Drill. Method HSA

WELL CASING

Material : PVC
Diameter : 2 in.
Joints : threaded

WELL SCREEN

Material : PVC
Diameter : 2 in.
Joints : threaded
Opening : .010 slot

NOTES

(PP) Pocket Penetrometer

(CPM) Counts per minute

Soil lithology taken from WS-27.

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02

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	**Date Installed:**	**Project Number:**
WS-27	9/28/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865109.025	E 827662.626	433.49
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
35.15	2.47	18.49
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
DSCC/Unconsolidated	R. Tubbs	8/18/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel – rusted
- Well pad construction – 2 ft X 2 ft concrete
- Six guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- Rehabilitation not required

LOG OF BORING WS27

(Page 1 of 1)

Combustion Engineering
Missouri State Route P
Hematite, Missouri

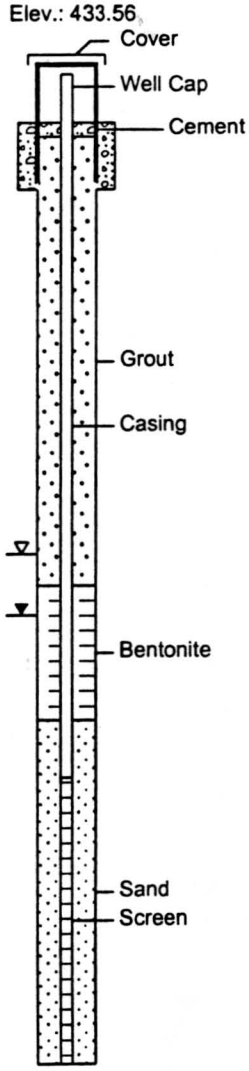
Logged By: Kerry L. Nikolaisen, RG

Date Started	: 09/28/98
Date Completed	: 09/28/98
Hole Diameter	: 8 5/8"
Drilling Method	: Hollow Stem Auger
Driller	: REDI
Sampling Method	: 5' Split-Spoon Sampler

Water Levels
▼ During Drilling
▽ After Completion (prior to development)

Depth in Feet	USCS	DESCRIPTION	Samples	% Recovery	PID (ppm)	Net CPM (0.5 min)
0	ML	CLAYEY-SILT, moist slightly firm but friable, medium brown. Grades softer.	1	80	0.0	30
5	ML/CL	CLAYEY-SILT/SILTY-CLAY, moist, moderate yellow brown, soft. Grades to an olive brown, firm-very firm, slightly plastic, (PP 1.5-3.0). Trace dolomite, subangular fragments w/ some gray mottles.	2	100	0.1	12
10			3	100	0.0	26
15			4	50	0.2	24
			5	0	NA	NC
20		saturated medium gray/olive. Slightly firm, slightly plastic, w/ trace limonite staining.	6	86	0.0	8
25		sandy, clayey, medium gray saturated. Subangular to well-rounded large dolomite and chert gravel.	7	70	0.0	20
30	GP	GRAVEL, sandy, clayey.	8	0	0.0	
35		AUGER REFUSAL @ 32.8 feet bgs				
40						

Well: WS27
Elev.: 433.56



Well Construction Information

WELL CONSTRUCTION
Date Compl: 9/28/98
Hole Diam. : 8 5/8 in.
Drill. Method HSA

WELL CASING
Material : PVC
Diameter : 2 in.
Joints : threaded

WELL SCREEN
Material : PVC
Diameter : 2 in.
Joints : threaded
Opening : .010 slot

NOTES
(PP) Pocket Penetrometer

(CPM) Counts per minute

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-28	9/25/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865037.219	E 827867.373	428.56
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
18.69	2.69	9.69
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
NSSSC/Unconsolidated	R. Tubbs	8/17/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel – rusted
- Well pad construction – 2 ft X 2 ft concrete
- Eight guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- During redevelopment, well continuously produced brown water
- Rehabilitation with mud dispersant recommended to remove additional fines accumulated around filter pack

LOG OF BORING WS28

(Page 1 of 1)

Combustion Engineering
Missouri State Route P
Hematite, Missouri

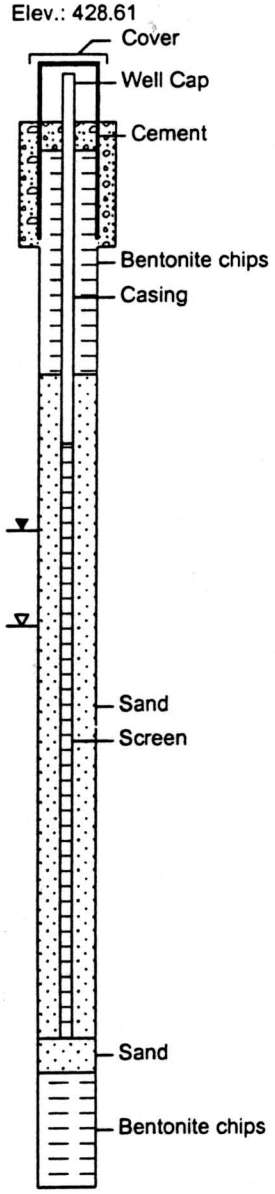
Logged By: Kerry L. Nikolaisen, RG

Date Started	: 09/24/98
Date Completed	: 09/25/98
Hole Diameter	: 8 5/8"
Drilling Method	: Hollow Stem Auger
Driller	: REDI
Sampling Method	: 5' Split-Spoon Sampler

Water Levels
▼ During Drilling
▽ After Completion (prior to development)

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Samples	% Rec-overy	PID (ppm)	Net CPM (0.5 min)
0	CL		SILTY CLAY, moist, slightly plastic, moderate yellowish-brown with abundant brown mottling. Trace roots.				
	CL/ML		SILTY CLAY/CLAYEY SILT, moist, soft to slightly firm.				
5	ML		CLAYEY SILT, moist to wet, moderate yellowish brown, soft. Abundant mottling and trace limonite staining.				
			sandy				
10			saturated, friable, 6" black/rusty-brown iron oxide lens.				
			olive gray, soft, limonite staining and black mottling.				
15			medium gray				
	CL		SILTY CLAY, firm				
	ML		CLAYEY SILT, saturated, soft, sticky.				
20							

Well: WS28
Elev.: 428.61



Well Construction Information

WELL CONSTRUCTION

Date Compl.: 9/25/98
Hole Diam. : 8 5/8 in.
Drill. Method HSA

WELL CASING

Material : PVC
Diameter : 2 in.
Joints : threaded

WELL SCREEN

Material : PVC
Diameter : 2 in.
Joints : threaded
Opening : .010 slot

NOTES

(PP) Pocket Penetrometer

(CPM) Counts per minute

Soil lithology taken from WS-29.

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03

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-29	9/25/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865041.262	E 827870.790	428.12
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
30.64	2.61	16.59
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	7.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
DSCC/Unconsolidated	R. Tubbs	8/17/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel – rusted
- Well pad construction – 2 ft X 2 ft concrete
- Eight guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- During redevelopment, well continuously produced thick gray water having the appearance of bentonite grout
- Rehabilitation with mud dispersant recommended to remove additional fines accumulated around filter pack

LOG OF BORING WS29

(Page 1 of 1)

Combustion Engineering
Missouri State Route P
Hematite, Missouri

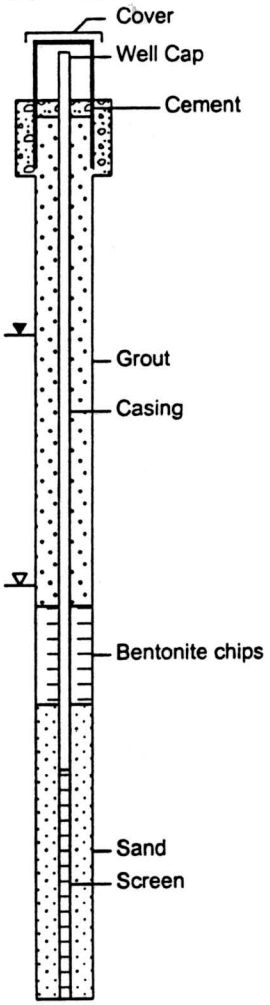
Logged By: Kerry L. Nikolaisen, RG

Date Started	: 09/24/98
Date Completed	: 09/25/98
Hole Diameter	: 8 5/8"
Drilling Method	: Hollow Stem Auger
Driller	: REDI
Sampling Method	: 5' Split-Spoon Sampler

Water Levels
▼ During Drilling
▽ After Completion (prior to development)

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Samples	% Recovery	PID (ppm)	Net CPM (0.5 min)
0	CL		SILTY CLAY, moist, slightly plastic, moderate yellowish-brown with abundant brown mottling. Trace roots.	1	80	0.4	32.0
	CL/ML		SILTY CLAY/CLAYEY SILT, moist, soft to slightly firm.				
5	ML		CLAYEY SILT, moist to wet, moderate yellowish brown, soft. Abundant mottling and trace limonite staining.	2	70	0.0	4.0
			sandy				
10			saturated, friable, 6" black/rusty-brown iron oxide lens.	3	100	0.7	14.0
			olive gray, soft, limonite staining and black mottling.				
15			medium gray	4	100	0.2	8.0
	CL		SILTY CLAY, firm.				
	ML		CLAYEY SILT, saturated, soft, sticky				
20			dark gray, grading softer	5	60	0.0	4.0
25	GP		GRAVEL, clayey, silty, sandy. Poorly-graded, saturated, rounded and subangular.	6	100	0.2	-14.0
			trace org. matter, clay decreases.				
30			AUGER REFUSAL @ 27.4 feet bgs				
35							

Well: WS29
Elev.: 428.20



Well Construction Information

WELL CONSTRUCTION
Date Compl: 9/25/98
Hole Diam. : 8 5/8 in.
Drill. Method HSA

WELL CASING
Material : PVC
Diameter : 2 in.
Joints : threaded

WELL SCREEN
Material : PVC
Diameter : 2 in.
Joints : threaded
Opening : .010 slot

NOTES
(PP) Pocket Penetrometer

(CPM) Counts per minute

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Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-30	10/15/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865041.273	E 827862.686	428.19
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
52.07	2.52	17.63
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Jefferson City – Cotter Dolomite	R. Tubbs	8/17/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel – rusted
- Well pad construction – 2 ft X 2 ft concrete
- Eight guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- Rehabilitation and/or maintenance not required

LOG OF BORING WS30

(Page 1 of 1)

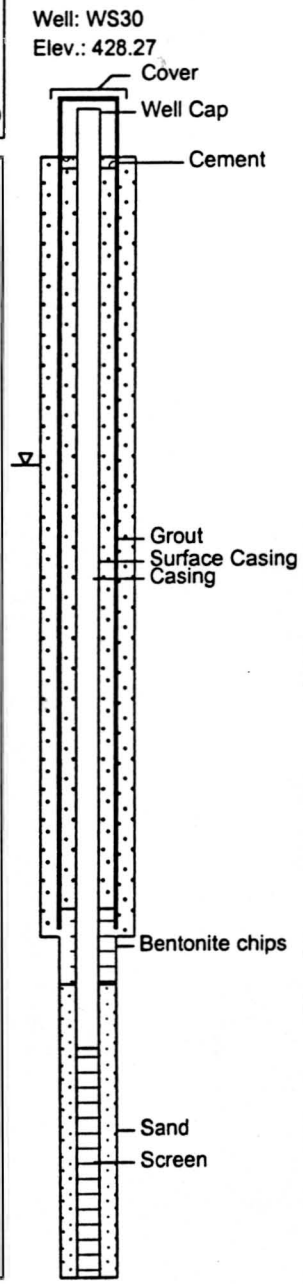
Combustion Engineering
Missouri State Route P
Hematite, Missouri

Logged By: Kerry L. Nikolaisen, RG

Date Started	: 10/07/98
Date Completed	: 10/15/98
Hole Diameter	: 8 1/4"
Drilling Method	: Air Rotary
Driller	: REDI
Sampling Method	: Cuttings

Water Levels
▼ During Drilling
▽ After Completion (prior to development)

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Samples	% Recovery	PID (ppm)	Net CPM (0.5 min)
0	CL		SILTY CLAY, moderate yellowish-brown.				
5							
10							
15							
20							
25	GP		GRAVEL, clayey, silty, sandy. Poorly-graded, saturated, rounded and subangular.				
30	DO		DOLOMITE, tan				
			gray				
35			trace shale				
40							
45			cherty				
50			Boring terminated @ 48.9 feet bgs				



Well Construction Information

WELL CONSTRUCTION
Date Compl.: 10/15/98
Hole Diam. : 8 1/4 in.
Drill. Method Air Rotary

WELL CASING
Material : PVC
Diameter : 2 in.
Joints : threaded

WELL SCREEN
Material : PVC
Diameter : 2 in.
Joints : threaded
Opening : .010 slot

NOTES
(PP) Pocket Penetrometer

(CPM) Counts per minute

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-31	10/13/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865045.126	E 827867.304	427.55
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
84.07	2.39	17.32
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Jefferson City – Cotter Dolomite	R. Tubbs	8/17/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel – rusted
- Well pad construction – 2 ft X 2 ft concrete
- Eight guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- Rehabilitation and/or maintenance not required

LOG OF BORING WS31

(Page 1 of 1)

Combustion Engineering
Missouri State Route P
Hematite, Missouri

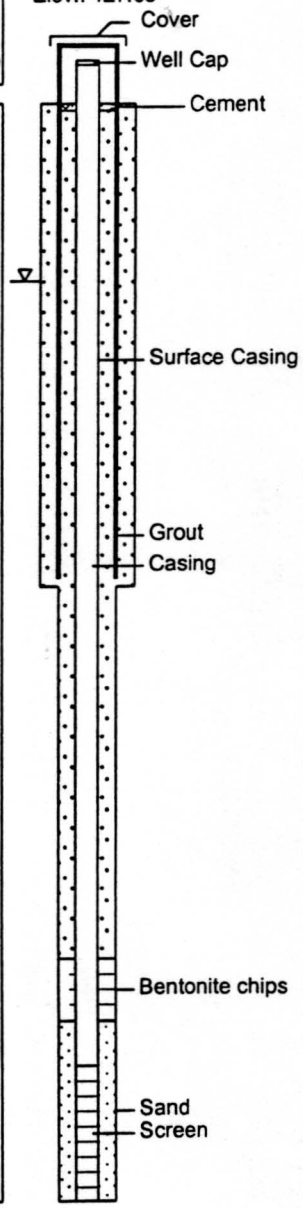
Logged By: Kerry L. Nikolaisen, RG

Date Started	: 10/12/98
Date Completed	: 10/13/98
Hole Diameter	: 8 1/4"
Drilling Method	: Air Rotary
Driller	: REDI
Sampling Method	: Cuttings

Water Levels
▼ During Drilling
▽ After Completion (prior to development)

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Samples	% Rec-overy	PID (ppm)	Net CPM (0.5 min)
0	CL		SILTY CLAY, moderate yellowish-brown.				
5							
10							
15							
20							
25	GP		GRAVEL, clayey, silty, sandy. Poorly-graded, saturated, rounded and subangular.				
30	DO		DOLOMITE, tan gray				
35			loss of water				
40							
45			cherty gray				
50							
55							
60							
65			light gray, hard				
70			tan, shaly				
75			cherty beige				
80			coarse				
85			Boring terminated @ 81.3 feet bgs				

Well: WS31
Elev.: 427.63



Well Construction Information

WELL CONSTRUCTION

Date Compl: 10/13/98
Hole Diam. : 8 1/4 in.
Drill. Method Air Rotary

WELL CASING

Material : PVC
Diameter : 2 in.
Joints : threaded

WELL SCREEN

Material : PVC
Diameter : 2 in.
Joints : threaded
Opening : .010 slot

NOTES

(PP) Pocket Penetrometer

(CPM) Counts per minute

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Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-32	9/30/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
Not Available	Not Available	436.11
Total Depth (feet BTOC):	**Riser Height (feet above grade):**	**Water Level (feet BTOC):**
38.78	2.91	24.64
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	5.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
DSCC/Unconsolidated	R. Tubbs	8/19/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel – rusted
- Well pad construction – 2 ft X 2 ft concrete
- Three guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- Rehabilitation not required

LOG OF BORING WS32

(Page 1 of 1)

Combustion Engineering
Missouri State Route P
Hematite, Missouri

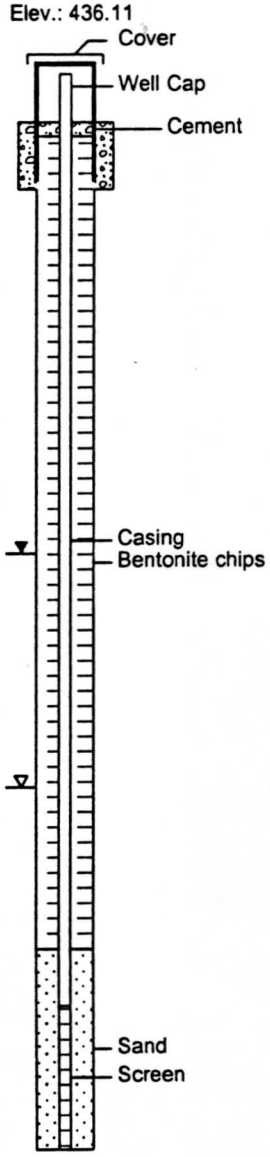
Logged By: Kerry L. Nikolaisen, RG

Date Started	: 09/28/98
Date Completed	: 09/30/98
Hole Diameter	: 8 5/8"
Drilling Method	: Hollow Stem Auger
Driller	: REDI
Sampling Method	: 5' Split-Spoon Sampler

Water Levels
▼ During Drilling
▽ After Completion (prior to development)

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Samples	% Rec-overy	PID (ppm)	Net CPM (0.5 min)
0			SILT,SILTY-CLAY, friable, moist dark yellow brown. More clay and finer w/ depth. Limonite staining and gray mottles.	1	90	0.0	50
5			moist to wet, alternating layers of soft to slightly firm, slightly plastic. Black mottles and limonite staining apparent.	2	95	0.0	18
10				3	95	0.0	38
15	ML/CL		saturated, pale yellow/ brown, soft.	4	95	0.0	24
20			olive gray/ brown, slightly firm, slightly plastic, w/limonite staining.	5	95	0.0	8
25			sandy lens				
			saturated, olive/ gray, very soft, sticky, slightly plastic.	6	90	0.1	12
30	CL/SM		SILTY, SANDY CLAYEY/SILTY, CLAYEY SAND, saturated alternating layers.	7	90	7.8	2
35	SP/GP		SAND/SANDY GRAVEL, chert and dolomite fragments, rounded to subangular.	8	2	0.0	
40			AUGER REFUSAL @ 35.8 feet bgs				

Well: WS32
Elev.: 436.11



Well Construction Information

WELL CONSTRUCTION

Date Compl.: 9/30/98
Hole Diam. : 8 5/8 in.
Drill. Method HSA

WELL CASING

Material : PVC
Diameter : 2in.
Joints : threaded

WELL SCREEN

Material : PVC
Diameter : 2 in.
Joints : threaded
Opening : .010 slot

NOTES

(PP) Pocket Penetrometer

(CPM) Counts per minute

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Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
WS-34	9/21/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
Not Available	Not Available	436.96
Total Depth (feet BTOC):	**Riser Height (feet above grade):**	**Water Level (feet BTOC):**
37.80	2.75	25.40
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
DSCC/Unconsolidated	R. Tubbs	8/10/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel - rusted
- Well pad construction – 2 ft X 2 ft concrete
- Six guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- Rehabilitation not required

LOG OF BORING WS-34

(Page 1 of 1)

Combustion Engineering
Missouri State Route P
Hematite, Missouri

Logged By: Kerry L. Nikolaisen, RG

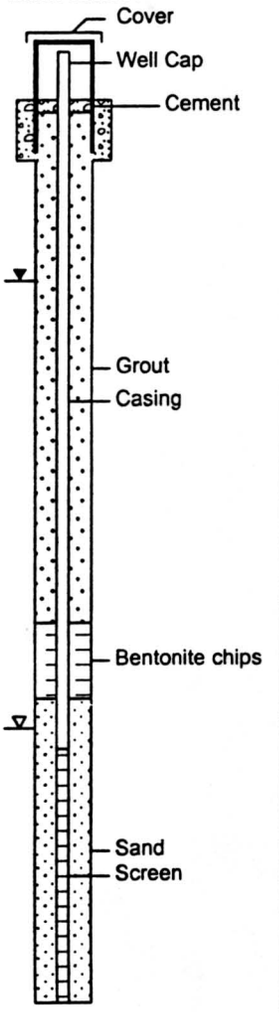
Date Started	: 09/21/98
Date Completed	: 09/21/98
Hole Diameter	: 8 5/8"
Drilling Method	: Hollow Stem Auger
Driller	: REDI
Sampling Method	: 5' Split-Spoon Sampler

Water Levels
▼ During Drilling
▽ After Completion (prior to development)

Depth in Feet	USCS	DESCRIPTION	Samples	% Recovery	PID (ppm)	Net CPM (0.5 min)
0	ML	SILT/CLAYEY-SILT, moist moderate brown. Firm but friable. fragipan, gray, brown/light brown. Trace angular dolomite fragments. More clay w/ depth.	1	80	0.0	35
			2	80	0.4	32
5	ML/CL	CLAYEY-SILT/SILTY CLAY, moist to wet, slightly firm to firm, moderate yellow brown, black mottles. Becomes wetter and softer w/depth.	3	96	0.0	39
			4	96	0.0	21
10		saturated, very soft.	5	80	0.0	28
15		gray, finer	6	96	0.4	22
		firm	7	96	0.3	34
20	CH	CLAY, fat, plastic, very firm/stiff. Gray/brown to light gray/blue, limonite staining and black mottles increase w/depth (PP 2.0-2.5).	8	100	0.3	38
25	CL	CLAY, sandy, silty. Wet to saturated, medium, gray, becoming more silty w/ depth, firm to slightly firm and softer w/ depth (PP 1.0).	9	50	0.2	29
30	ML	SANDY-SILT, saturated, very soft, medium-gray.	10	50	0.5	13
35	SP/GP	SANDY SILT/SANDY GRAVEL, poorly graded gravel, fine to coarse dolomite/chert fragments. Rounded-sub-angular-loose.	11	16	0.0	19
40						
45						

AUGER REFUSAL @ 35.6 feet bgs

Well: WS-34
Elev.: 436.96



Well Construction Information

WELL CONSTRUCTION
Date Compl: 9/21/98
Hole Diam. : 8 5/8 in.
Drill. Method HSA

WELL CASING
Material : PVC
Diameter : 2 in.
Joints : threaded

WELL SCREEN
Material : PVC
Diameter : 2 in.
Joints : threaded
Opening : .010 slot

NOTES
(PP) Pocket Penetrometer

(CPM) Counts per minute

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03 :

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
PZ-3	10/13/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
Not Available	Not Available	435.85
Total Depth (feet BTOC):	**Riser Height (feet above grade):**	**Water Level (feet BTOC):**
63.61	2.62	25.11
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Jefferson City – Cotter Dolomite	R. Tubbs	8/19/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel – rusted
- Well pad construction – 2 ft X 2 ft concrete
- Three guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- Rehabilitation not required

LOG OF BORING PZ3

(Page 1 of 1)

Combustion Engineering
Missouri State Route P
Hematite, Missouri

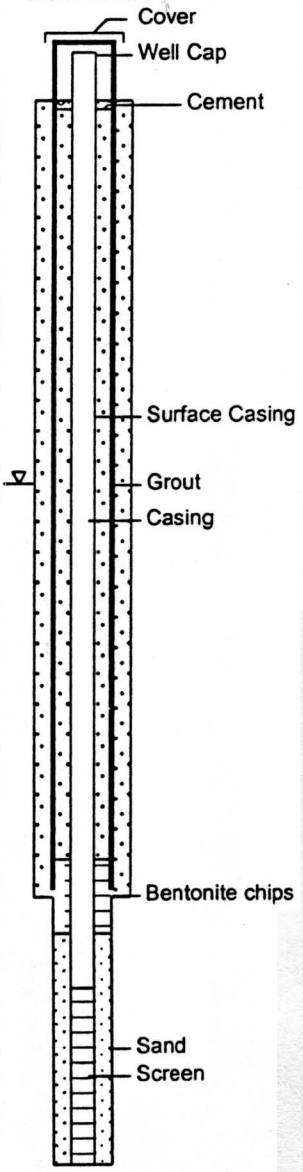
Logged By: Kerry L. Nikolaisen, RG

Date Started	: 10/13/98
Date Completed	: 10/13/98
Hole Diameter	: 8 1/4"
Drilling Method	: Air Rotary
Driller	: REDI
Sampling Method	: Cuttings

Water Levels
- ▼ During Drilling
- ▽ After Completion (prior to development)

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Samples	% Rec-overy	PID (ppm)	Net CPM (0.5 min)
0	CL		SILTY CLAY, moderate yellowish-brown.				
5							
10							
15							
20							
25	GP		GRAVEL, clayey, silty, sandy. Poorly-graded, saturated, rounded and subangular.				
30							
35	DO		DOLOMITE, tan gray, trace shale				
40			beige				
45			cherty				
50			coarse				
55							
60			Boring terminated @ 60.3 feet bgs				
65							

Well: PZ3
Elev.: 435.85



Well Construction Information

WELL CONSTRUCTION
Date Compl: 10/13/98
Hole Diam. : 8 1/4 in.
Drill. Method Air Rotary

WELL CASING
Material : PVC
Diameter : 2 in.
Joints : threaded

WELL SCREEN
Material : PVC
Diameter : 2 in.
Joints : threaded
Opening : .010 slot

NOTES
(PP) Pocket Penetrometer

(CPM) Counts per minute

c:\mtech5\abbce\pz-3.bor

03

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
PZ-4	10/13/1998	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865284.792	E 827225.521	440.54
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
61.88	2.29	21.96
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Jefferson City-Cotter Dolomite	R. Tubbs	8/11/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square steel - rusted
- Well pad construction – 2 ft X 2 ft concrete
- Four guard posts in place
- Water-tight cap in place with dedicated bailer
- Well needs numbering/labeling
- Rehabilitation not required

LOG OF BORING PZ4

(Page 1 of 1)

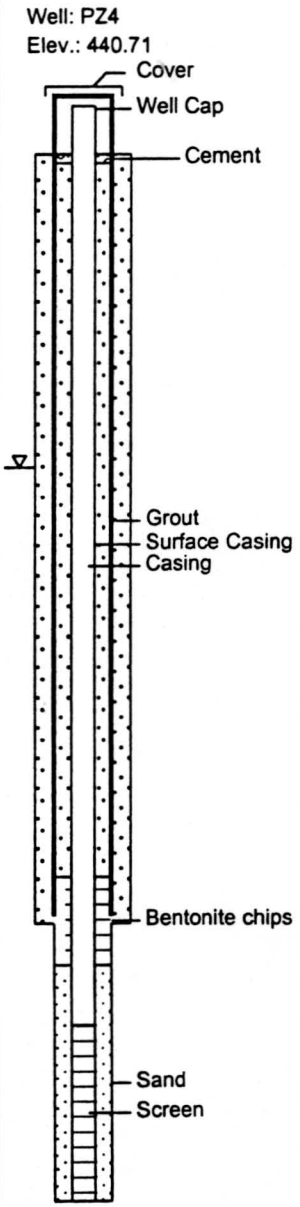
Combustion Engineering
Missouri State Route P
Hematite, Missouri

Logged By: Kerry L. Nikolaisen, RG

Date Started	: 10/09/98
Date Completed	: 10/13/98
Hole Diameter	: 8 1/4"
Drilling Method	: Air Rotary
Driller	: REDI
Sampling Method	: Cuttings

Water Levels
▼ During Drilling
▽ After Completion (prior to development)

Depth in Feet	USCS	GRAPHIC	DESCRIPTION	Samples	% Recovery	PID (ppm)	Net CPM (0.5 min)
0	CL		SILTY CLAY, moderate yellowish-brown.				
5							
10							
15			gray/olive				
20							
25							
30							
35	GP		SANDY GRAVEL, poorly sorted				
40	DO		DOLOMITE, tan gray, trace shale				
45			beige, coarse				
50			cherty				
55			fine-grained, limey				
60			Boring terminated @ 59.3 feet bgs				
65							



Well Construction Information

WELL CONSTRUCTION
Date Compl: 10/13/98
Hole Diam. : 8 1/4 in.
Drill. Method Air Rotary

WELL CASING
Material : PVC
Diameter : 2 in.
Joints : threaded

WELL SCREEN
Material : PVC
Diameter : 2 in.
Joints : threaded
Opening : .010 slot

NOTES
(PP) Pocket Penetrometer

(CPM) Counts per minute

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03-

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
OB-1	5/15/2002	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 863749.529	E 826667.871	429.64
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
29.17	2.85	11.67
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	16.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Terrace/Unconsolidated	R. Tubbs	8/20/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 2 ft X 2 ft concrete
- Three guard posts in place
- Water-tight lockable cap in place
- Rehabilitation and/or maintenance not required

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGY AND LAND SURVEY
(573) 368-2165

MONITORING WELL CERTIFICATION RECORD

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 285289	
C.R.NO.	CHECK NO.
STATE WELL NUMBER	REVENUE NO.
ENTERED Ph 1 Ph 2 Ph3	APPROVED BY / ROUTE /

INFORMATION SUPPLIED BY PRIMARY CONTRACTOR OR DRILLING CONTRACTOR

OWNER NAME	WELL NUMBER	VARIANCE GRANTED BY THE D.N.R.
Westinghouse Electric Co., LLC	OB-1	[X] NO

OWNER ADDRESS	CITY	STATE	ZIP CODE
3300 Hwy 'P'	Hematite	MO	63028

SITE NAME	CONTACT NAME
Westinghouse Electric Co.	

SITE ADDRESS	CITY	STATE	ZIP CODE
3300 Hwy 'P'	Hematite	MO	63028

[ ] YES, ATTACH A COPY OF THE VARIANCE

VARIANCE NUMBER

PROPOSED USE OF WELL: [ ] GAS MONITORING WELL [X] MONITORING WELL [ ] EXTRACTION WELL [ ] PIEZOMETERS

TYPE OF POTENTIAL SITE: [X] HAZARDOUS MATERIAL [ ] LANDFILL [ ] INITIAL SITE ASSESSMENT [ ] L.U.S.T. [ ] WATER LEVEL DRAWDOWN

MONITORING FOR: (CHECK ALL THAT APPLY) [X] RADIONUCLIDES [ ] PETROLEUM PRODUCTS ONLY [ ] EXPLOSIVES [X] METALS [X] V.O.C. [X] SVOCS [ ] PESTICIDES/HERBICIDES

SKETCH LOCATION OF WELL INCLUDING MILEAGE ON ALL ROADS TRAVELLED FROM NEAREST TOWNS.

see attached map

LOCATION OF WELL
LAT. 38 ° 12 ' 20 "
LONG. 90 ° 28 ' 39 "

AREA 1
ELEV 426.67
COUNTY Jefferson

SMALLEST ____ 1/4 ____ 1/4 LARGEST ____ 1/4
SEC. ____ TWN. 40 N RNG. 5 E OR W

DESCRIBE LOCATION OF THE WELL SO WE WOULD BE ABLE TO VISIT THE WELL SITE

DRILLER NOTES:

TYPE OF SURFACE COMPLETION: [X] ABOVE GROUND [ ] FLUSH MOUNT

LENGTH OF PROTECTIVE CASING: 5 FT.
DIAMETER OF PROTECTIVE CASING: 4"sq. IN.
DIAMETER AND DEPTH OF THE HOLE PROTECTIVE CASING WAS PLACED: 6"casing IN. 2.5' FT.
PROTECTIVE CASING MATERIAL: [ ] STEEL [X] ALUMINUM [ ] PLASTIC
LOCKING CAP? [X] YES [ ] NO

WEEP HOLE? [X] YES [ ] NO
VENTED CAP? [ ] YES [X] NO
LENGTH OF FLUSH MOUNT: - FT.
DIAMETER OF FLUSH MOUNT: - IN.
DIAMETER AND DEPTH OF THE HOLE FLUSH MOUNT WAS PLACED: - IN. - FT.
SURFACE COMPLETION GROUT: [X] CONCRETE [ ] OTHER ____

RISER PIPE DETAIL
LENGTH 13.5' FT.
DIAMETER 2" IN.
WEIGHT OR SDR# sch40
DIAMETER OF DRILL HOLE 8.75" FT.
MATERIAL: [ ] STEEL [X] THERMOPLASTIC (PVC) [ ] OTHER ____
GLUED [ ] YES [X] NO

BENTONITE SEAL
LENGTH OF SEAL 3 FT.
MATERIAL: [ ] SLURRY [ ] PELLETS [ ] GRANULAR [X] CHIPS

SECONDARY FILTER PACK
[ ] SATURATED ZONE [ ] UNSATURATED ZONE HYDRATED [ ] YES [ ] NO
BOTH ZONES [ ] IF YES, HYDRATED [ ] YES [ ] NO

PRIMARY FILTER PACK
LENGTH 18' FT.
DEPTH TO TOP OF PRIMARY FILTER PACK 8 FT.
SECONDARY FILTER PACK LENGTH - FT.

ANNULAR SEAL
[ ] BENTONITE SLURRY
[X] NON SLURRY BENTONITE TYPE chips
[ ] CEMENT/BENTONITE SLURRY
BAGS OF CEMENT USED ____
% OF BENTONITE USED ____
WATER USED/BAG ____ ____GAL
LENGTH 2.5' FT.

WELL SCREEN
LENGTH 16 FT.
DIAMETER 2 IN.
DIAMETER OF DRILL HOLE 8.75 IN.
DEPTH TO TOP OF SCREEN 10 FT.
MATERIAL: [ ] STEEL [X] THERMOPLASTIC (PVC) [ ] OTHER ____

DEPTH FROM	DEPTH TO	FORMATION DESCRIPTION
0	26'	overburden
026'		Top of rock

TOTAL DEPTH: 26'

MULTIPLE CASED WELLS [ ] YES [X] NO PUMP INSTALLED FOR REMEDIATION [ ] YES [X] NO

SUBMIT ADDITIONAL AS BUILT DIAGRAMS SHOWING WELL CONSTRUCTION DETAILS INCLUDING TYPE AND SIZE OF ALL CASING, HOLE DIAMETERS AND GROUT USED

SIGNATURE (PRIMARY CONTRACTOR)	PERMIT NUMBER	STATIC WATER LEVEL	DATE WELL DRILLING WAS COMPLETED
Kerry Nikolison (28-G)	003272 PM	15' FEET FROM MEASURING POINT	drilling:5/15/02 protector:8/9/02

I HEREBY CERTIFY THAT THE MONITORING WELL HEREIN DESCRIBED WAS CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT OF NATURAL RESOURCES REQUIREMENTS FOR THE CONSTRUCTION OF MONITORING WELLS.

SIGNATURE (WELL DRILLER)	PERMIT NUMBER	DATE	SIGNATURE (PUMP INSTALLER)	PERMIT NUMBER	DATE
X [signature]	003211WPM	9/18/02	X N/A	-	-

MO 780-1415 (12-99)

DISTRIBUTION: WHITE/DIVISION **CANARY**/CONTRACTOR **PINK**/OWNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, P.O. BOX 250, ROLLA, MO 65402
ENCLOSE $35 MONITORING WELL CERTIFICATION FEE WITHIN 60 DAYS AFTER WELL COMPLETION

Well No. OB-1 Installation: Above Ground Completion

Project No. Client/Project: Westinghouse Electric Company Site: Hematite Facility

Contractor: Leggette, Brashears and Graham, Inc. Drill Contractor: Jerry Mathews Drilling

Start Date: 5/15/02 End Date: 5/15/02 Elevation (Top of Pad): ft amsl 426.79

Coordinates: N 863749.529

E 826667.871

2.85'

Depth

2.5'

5.5'

8.0'

10.0'

26.0'

8.75"

NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Yes
No: 3

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Surface Casing
Type: Unknown
Diameter: 6 in.
Total Length: 2.5 ft

Riser Pipe
Type: SCH 40 PVC
Diameter: 2 inch
Total Depth (Ground surface to TOS): 10.0'
Ventilated Cap (Y / N): No

Annular Seal
Type: Bentonite chips
Interval BGS: 2.5' – 5.5'

Bentonite Seal
Type: Bentonite chips
Interval BGS: 5.5' – 8.0'

Primary Filter Pack
Type: Unknown
Amt. Used: Unknown

Screen
Type: SCH 40 PVC
Diameter: 2 in.
Length: 16 ft
Slot Size and Type: 0.010 slotted
Interval BGS: 10.0' – 26.0'

Note: All depths inferred from Monitoring Well Certification Record

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

OB-1 Monitoring Well Construction Log

Science Applications International Corporation

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
OB-2	5/28/2002	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865862.215	E 830379.841	430.47
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
39.81	2.51	10.25
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	27.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Terrace/Unconsolidated	R. Tubbs	8/20/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 2 ft X 2 ft concrete
- Three guard posts in place
- Water-tight lockable cap in place
- Rehabilitation and/or maintenance not required

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGY AND LAND SURVEY
(573) 368-2165

MONITORING WELL CERTIFICATION RECORD

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 234980	
C.R.NO.	CHECK NO.
STATE WELL NUMBER	REVENUE NO.
ENTERED Ph 1 Ph 2 Ph3	APPROVED BY / ROUTE /

INFORMATION SUPPLIED BY PRIMARY CONTRACTOR OR DRILLING CONTRACTOR

OWNER NAME	WELL NUMBER	VARIANCE GRANTED BY THE D.N.R.
Westinghouse Electric Co., LLC	OB-2	☒ NO ☐ YES, ATTACH A COPY OF THE VARIANCE

OWNER ADDRESS	CITY	STATE	ZIP CODE
3300 Hwy 'P'	Hematite	MO	63028

SITE NAME	CONTACT NAME
Westinghouse Electric Co.	

SITE ADDRESS	CITY	STATE	ZIP CODE
3300 Hwy 'P'	Hematite	MO	63028

VARIANCE NUMBER

PROPOSED USE OF WELL: ☐ GAS MONITORING WELL ☒ MONITORING WELL ☐ EXTRACTION WELL ☐ PIEZOMETERS

TYPE OF POTENTIAL SITE: ☒ HAZARDOUS MATERIAL ☐ LANDFILL ☐ INITIAL SITE ASSESSMENT ☐ L.U.S.T. ☐ WATER LEVEL DRAWDOWN

MONITORING FOR: (CHECK ALL THAT APPLY) ☒ RADIONUCLIDES ☐ PETROLEUM PRODUCTS ONLY ☐ EXPLOSIVES ☒ METALS ☒ V.O.C. ☒ SVOCS ☐ PESTICIDES/HERBICIDES

SKETCH LOCATION OF WELL INCLUDING MILEAGE ON ALL ROADS TRAVELLED FROM NEAREST TOWNS.

See Attached

LOCATION OF WELL
LAT. 38 ° 12 ' 44 "
LONG. 90 ° 27 ' 48 "

AREA 1
ELEV 427.7'
COUNTY Jefferson

SMALLEST ____ 1/4 ____ 1/4 LARGEST ____ 1/4
SEC. ____ TWN. 40 N RNG. 5 E OR W

DESCRIBE LOCATION OF THE WELL SO WE WOULD BE ABLE TO VISIT THE WELL SITE

DRILLER NOTES:

TYPE OF SURFACE COMPLETION	LENGTH OF PROTECTIVE CASING	DIAMETER OF PROTECTIVE CASING	DIAMETER AND DEPTH OF THE HOLE PROTECTIVE CASING WAS PLACED	PROTECTIVE CASING MATERIAL	LOCKING CAP?
☒ ABOVE GROUND ☐ FLUSH MOUNT	5 FT.	4"sq IN.	6"casing IN. 2.5' FT.	☐ STEEL ☒ ALUMINUM ☐ PLASTIC	☒ YES ☐ NO

WEEP HOLE?	VENTED CAP?	LENGTH OF FLUSH MOUNT	DIAMETER OF FLUSH MOUNT	DIAMETER AND DEPTH OF THE HOLE FLUSH MOUNT WAS PLACED	SURFACE COMPLETION GROUT
☒ YES ☐ NO	☐ YES ☒ NO	- FT.	- IN.	- IN. - FT.	☒ CONCRETE ☐ OTHER

RISER PIPE DETAIL

LENGTH	DIAMETER	WEIGHT OR SDR#	DIAMETER OF DRILL HOLE	MATERIAL
12.5' FT.	2" IN.	sch40	8.75" IN.	☐ STEEL ☒ THERMOPLASTIC (PVC) ☐ OTHER

BENTONITE SEAL

LENGTH OF SEAL	MATERIAL
3 FT.	☐ SLURRY ☐ PELLETS ☐ GRANULAR ☒ CHIPS

GLUED ☐ YES ☒ NO

SECONDARY FILTER PACK
☐ SATURATED ZONE ☐ UNSATURATED ZONE HYDRATED ☐ YES ☐ NO
BOTH ZONES ☐ IF YES, HYDRATED ☐ YES ☐ NO

PRIMARY FILTER PACK

LENGTH	DEPTH TO TOP OF PRIMARY FILTER PACK	SECONDARY FILTER PACK LENGTH
29' FT.	8' FT.	- FT.

ANNULAR SEAL
☐ BENTONITE SLURRY
☒ NON SLURRY BENTONITE TYPE chips
☐ CEMENT/BENTONITE SLURRY
BAGS OF CEMENT USED____
% OF BENTONITE USED____
WATER USED/BAG ___ ____GAL
LENGTH 2.5' FT.

WELL SCREEN

LENGTH	DIAMETER	DIAMETER OF DRILL HOLE	DEPTH TO TOP OF SCREEN	MATERIAL
27' FT.	2 IN.	8.75 IN.	10 FT.	☐ STEEL ☒ THERMOPLASTIC (PVC) ☐ OTHER

DEPTH FROM	DEPTH TO	FORMATION DESCRIPTION
0	37'	overburden
37'		Top of rock

MULTIPLE CASED WELLS ☐ YES ☒ NO PUMP INSTALLED FOR REMEDIATION ☐ YES ☒ NO

SUBMIT ADDITIONAL AS BUILT DIAGRAMS SHOWING WELL CONSTRUCTION DETAILS INCLUDING TYPE AND SIZE OF ALL CASING, HOLE DIAMETERS AND GROUT USED

TOTAL DEPTH: 37'

SIGNATURE (PRIMARY CONTRACTOR)	PERMIT NUMBER	STATIC WATER LEVEL	DATE WELL DRILLING WAS COMPLETED
Kerry Nikolesen (LB-G)	003272 PM	15' FEET FROM MEASURING POINT	Drilling: 5/22/02 Protector: 8/9/02

I HEREBY CERTIFY THAT THE MONITORING WELL HEREIN DESCRIBED WAS CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT OF NATURAL RESOURCES REQUIREMENTS FOR THE CONSTRUCTION OF MONITORING WELLS.

SIGNATURE (WELL DRILLER)	PERMIT NUMBER	DATE	SIGNATURE (PUMP INSTALLER)	PERMIT NUMBER	DATE
X Jim Phillips	003211 WPM	9/18/02	X N/A	-	-

MO 780-1415 (12-99)

DISTRIBUTION: WHITE/DIVISION **CANARY**/CONTRACTOR **PINK**/OWNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, P.O. BOX 250, ROLLA, MO 65402
ENCLOSE $35 MONITORING WELL CERTIFICATION FEE WITHIN 60 DAYS AFTER WELL COMPLETION

Well No. OB-2 Installation: Above Ground Completion

Project No. Client/Project: Westinghouse Electric Company Site: Hematite Facility

Contractor: Leggette, Brashears and Graham, Inc. Drill Contractor: Jerry Mathews Drilling

Start Date: 5/22/02 End Date: 5/28/02 Elevation (Top of Pad): ft amsl 427.96

Coordinates: N 865862.215

E 830379.841

2.51'

Depth

2.5'

5.5'

8.0'

10.0'

37.0'

8.75"

NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Weep Hole? (Y / N): Yes
Guard Posts (Y / N): Yes
No: 3

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Surface Casing
Type: Unknown
Diameter: 6 in.
Total Length: 2.5 ft

Riser Pipe
Type: SCH 40 PVC
Diameter: 2 inch
Total Depth (Ground surface to TOS): 10.0'
Ventilated Cap (Y / N): No

Annular Seal
Type: Bentonite chips
Interval BGS: 2.5' – 5.5'

Bentonite Seal
Type: Bentonite chips
Interval BGS: 5.5' – 8.0'

Primary Filter Pack
Type: Unknown
Amt. Used: Unknown

Screen
Type: SCH 40 PVC
Diameter: 2 in.
Length: 27 ft
Slot Size and Type: 0.010 slotted
Interval BGS: 10.0' – 37.0'

Note: All depths inferred from Monitoring Well Certification Record

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

OB-2 Monitoring Well Construction Log

Science Applications International Corporation

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

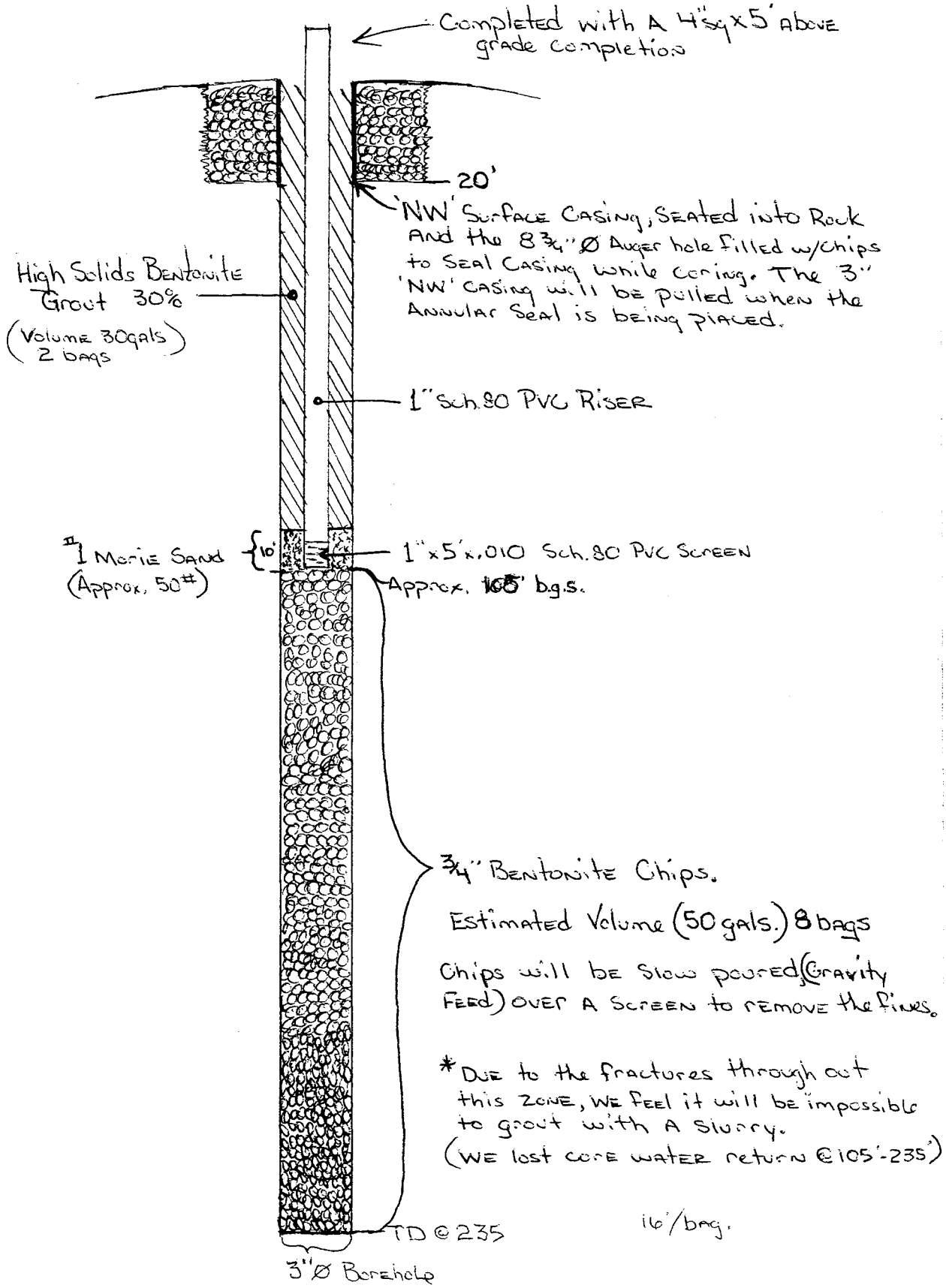
Well Number:	Date Installed:	Project Number:
BR1-JC	6/6/2002	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		Elevation (TOC):
N 864374.559	E 826534.913	441.87
Total Depth (feet BTOC):	Riser Height (feet above pad):	Water Level (feet BTOC):
109.79	2.67	28.93
Well Construction Material:	Well Casing Diameter (inches):	Screen Length (feet):
PVC	1	10.0
Hydrostratigraphic Zone:	Inspected By:	Date Inspected:
Jefferson City – Cotter Dolomite	R. Tubbs	8/20/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 2 ft X 2 ft concrete
- Three guard posts in place
- Water-tight lockable cap in place
- Rehabilitation and/or maintenance not required

PREPARED BY: TCD
DATE: 6/4/02

Hole # BR-1p



Westinghouse Electric Company
Hematite Facility

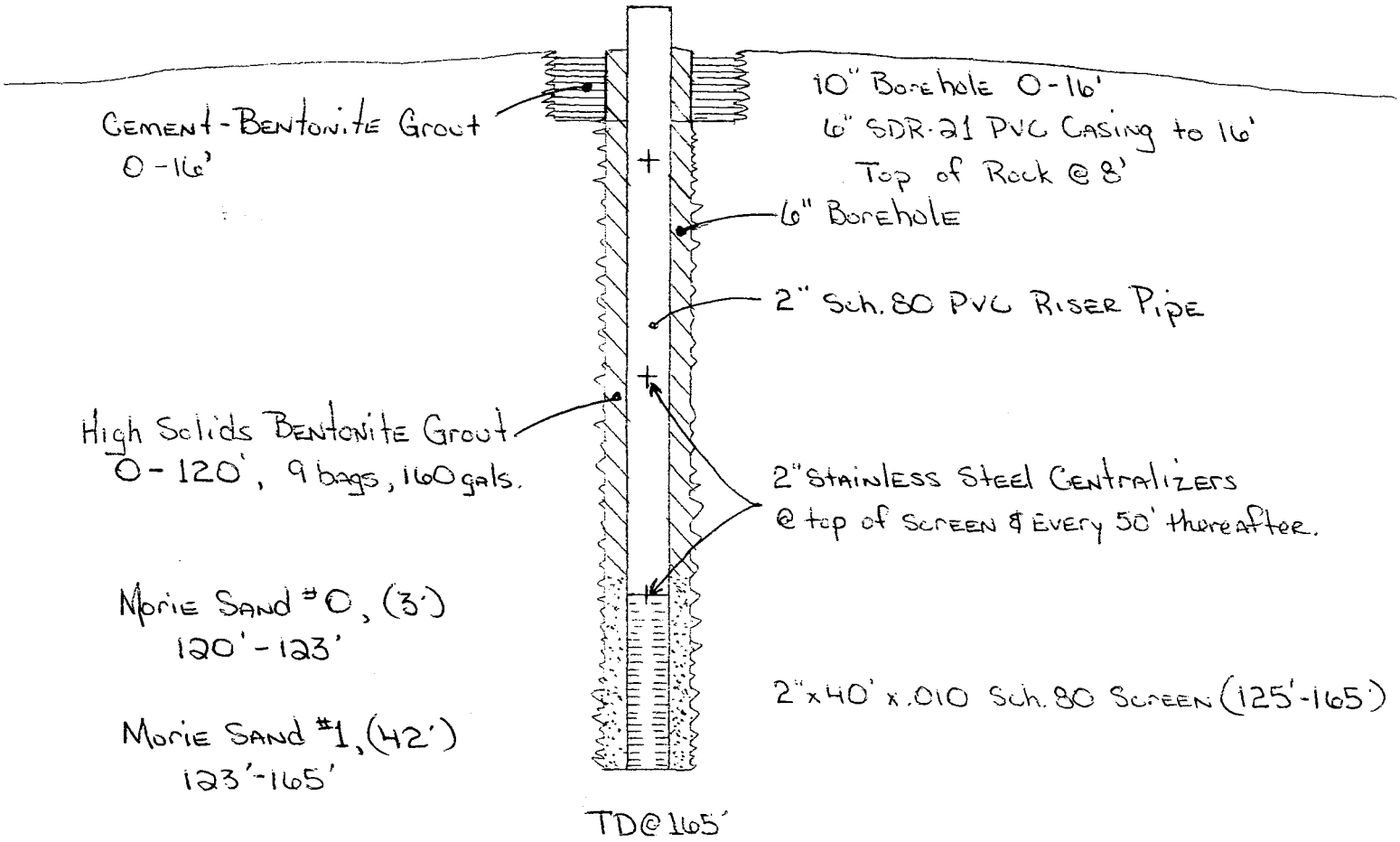
Well Inspection Report

Well Number:	Date Installed:	Project Number:
BR1-RB	7/24/2002	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 864407.126	E 826497.893	442.49
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
167.60	2.47	25.27
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	40.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Roubidoux Formation	R. Tubbs	8/20/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 2 ft X 2 ft concrete
- Four guard posts in place
- Water-tight lockable cap in place
- Rehabilitation and/or maintenance not required

BR-1


Cement-Bentonite Grout
0-16'
10" Borehole 0-16'
6" SDR-21 PVC Casing to 16'
Top of Rock @ 8'
6" Borehole
2" Sch. 80 PVC Riser Pipe
High Solids Bentonite Grout
0-120', 9 bags, 160 gals.
2" Stainless Steel Centralizers
@ top of Screen & Every 50' thereafter.
Morie Sand #0, (3')
120'-123'
2"x40' x .010 Sch. 80 Screen (125'-165')
Morie Sand #1, (42')
123'-165'
TD@165'

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

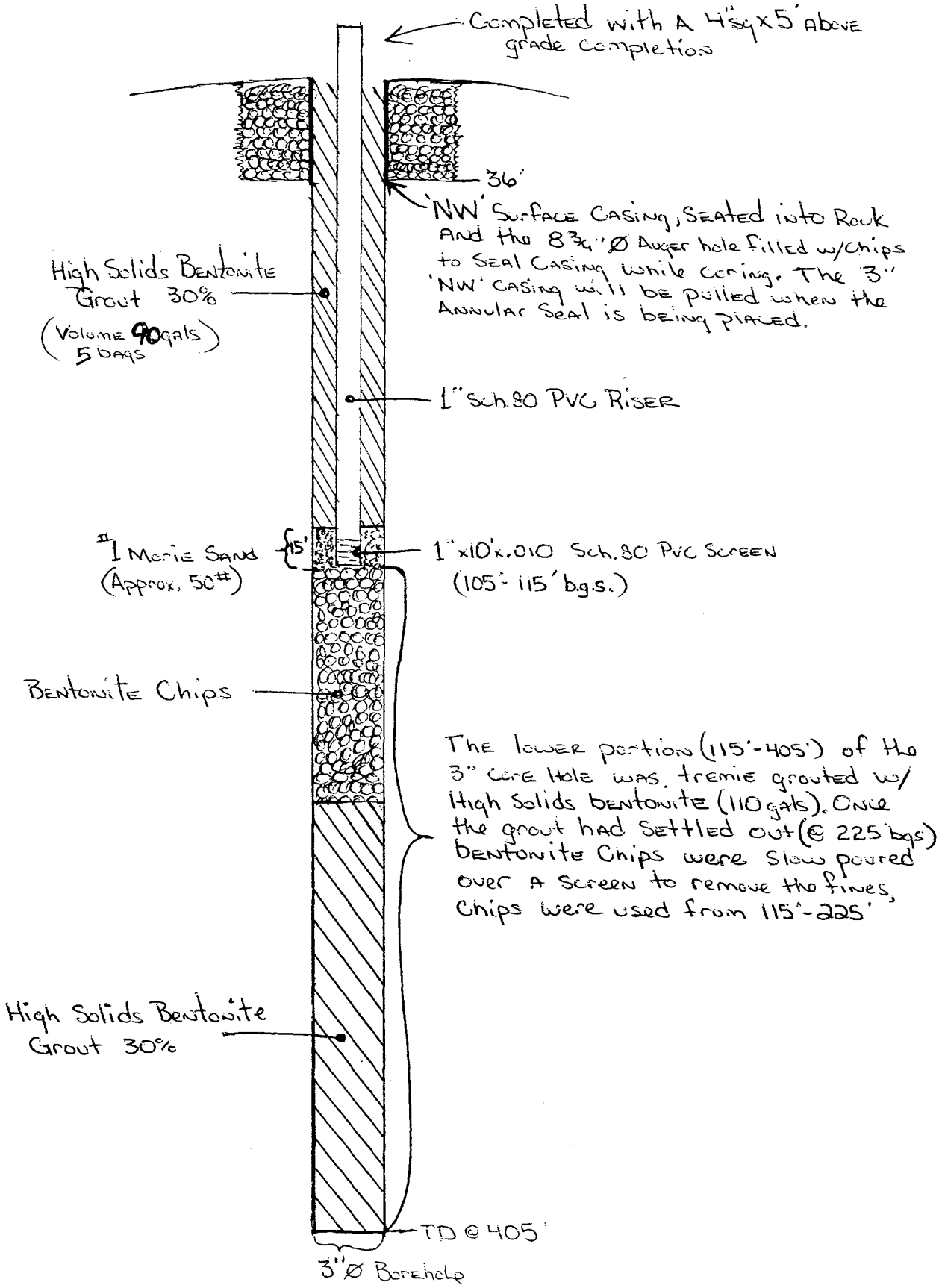
Well Number:	Date Installed:	Project Number:
BR2-JC	7/23/2002	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865552.903	E 830590.896	431.17
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
117.69	2.41	23.69
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	1	5.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Jefferson City – Cotter Dolomite	R. Tubbs	8/20/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 2 ft X 2 ft concrete
- Three guard posts in place
- Water-tight lockable cap in place
- Tall grass noted around well location
- Rehabilitation and/or maintenance not required

Hole # BR-2p (JC)

PREPARED BY: TCD
DATE: 9/10/02



Westinghouse Electric Company
Hematite Facility

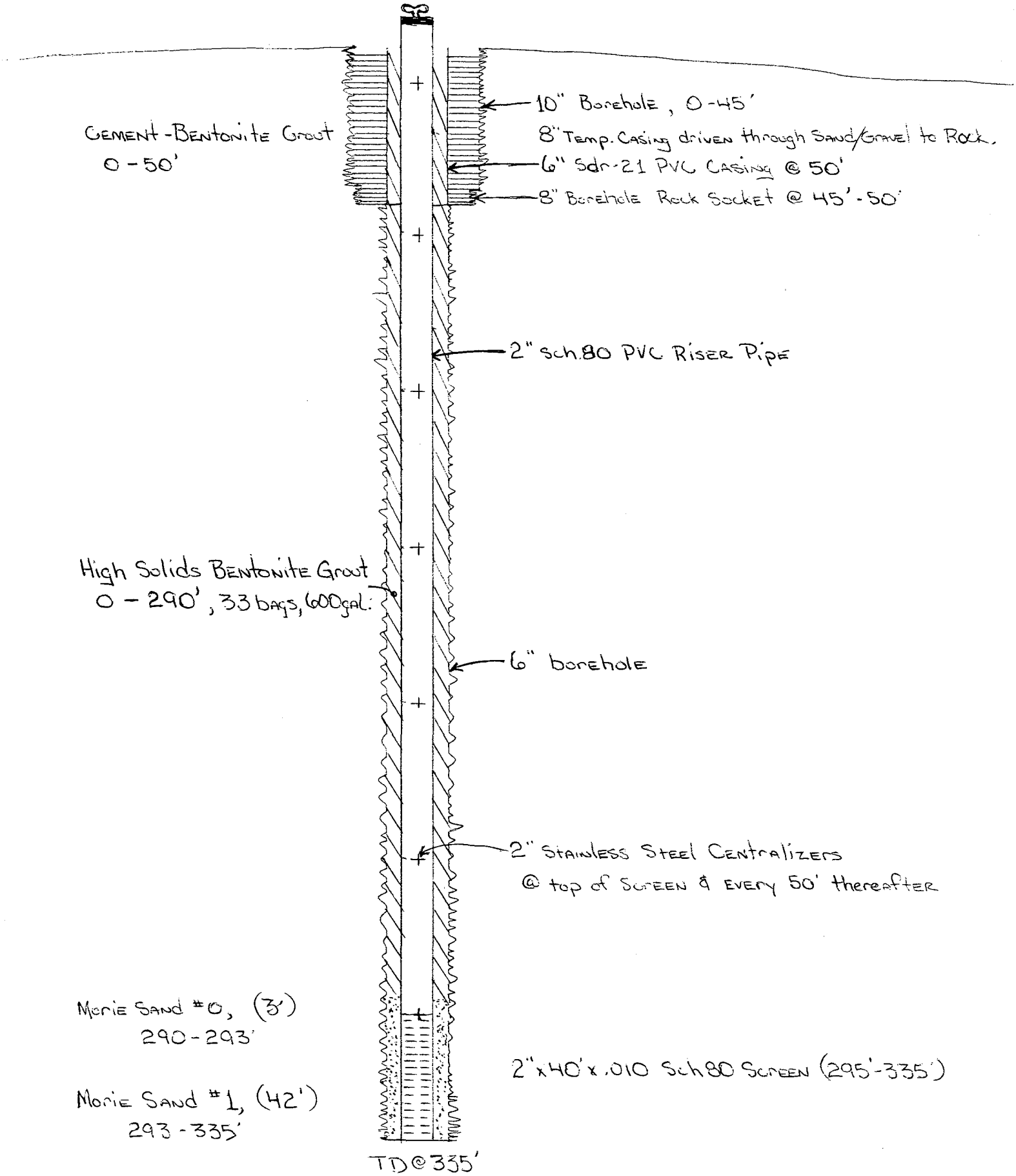
Well Inspection Report

Well Number:	Date Installed:	Project Number:
BR2-RB	7/24/2002	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865532.163	E 830550.398	431.37
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
338.27	3.20	27.27
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	40.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Roubidoux Formation	R. Tubbs	8/9/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 2 ft X 2 ft concrete
- Four guard posts in place
- Water-tight lockable cap in place
- Tall grass noted around well location
- Rehabilitation and/or maintenance not required

BR-2 (RB)


10" Borehole, 0-45'
8" Temp. Casing driven through Sand/Gravel to Rock.
Cement-Bentonite Grout
0 - 50'
6" Sdr-21 PVC Casing @ 50'
8" Borehole Rock Socket @ 45'-50'
2" Sch.80 PVC Riser Pipe
High Solids Bentonite Grout
0 - 290', 33 bags, 600gal.
6" borehole
2" Stainless Steel Centralizers
@ top of Screen & every 50' thereafter
Morie Sand #0, (3')
290-293'
2"x40'x.010 Sch80 Screen (295'-335')
Morie Sand #1, (42')
293-335'
TD @ 335'

Westinghouse Electric Company
Hematite Facility

Well Inspection Report

Well Number:	Date Installed:	Project Number:
BR3-OB	7/23/2002	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 863910.175	E 828167.015	421.63
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
27.37	2.74	13.67
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	11.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Fluvial/Unconsolidated	R. Tubbs	8/20/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 2 ft X 2 ft concrete
- Water-tight lockable cap in place
- Rehabilitation not required
- Guard posts recommended to be placed around well

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGY AND LAND SURVEY
(573) 368-2165

MONITORING WELL CERTIFICATION RECORD

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 284981	
C.R.NO.	CHECK NO.
STATE WELL NUMBER	REVENUE NO.
ENTERED Ph 1 Ph 2 Ph3	APPROVED BY / ROUTE /

INFORMATION SUPPLIED BY PRIMARY CONTRACTOR OR DRILLING CONTRACTOR

OWNER NAME	WELL NUMBER	VARIANCE GRANTED BY THE D.N.R.
Westinghouse Electric Co., LLC	OB-3	☐ NO

OWNER ADDRESS	CITY	STATE	ZIP CODE
3300 Hwy 'P'	Hematite	MO	63028

SITE NAME	CONTACT NAME
Westinghouse Electric Co.	

☐ YES, ATTACH A COPY OF THE VARIANCE

SITE ADDRESS	CITY	STATE	ZIP CODE
3300 Hwy "P"	Hematite	MO	63028

VARIANCE NUMBER

PROPOSED USE OF WELL: ☐ GAS MONITORING WELL ☒ MONITORING WELL ☐ EXTRACTION WELL ☐ PIEZOMETERS

TYPE OF POTENTIAL SITE: ☒ HAZARDOUS MATERIAL ☐ LANDFILL ☐ INITIAL SITE ASSESSMENT ☐ L.U.S.T. ☐ WATER LEVEL DRAWDOWN

MONITORING FOR: (CHECK ALL THAT APPLY) ☒ RADIONUCLIDES ☐ PETROLEUM PRODUCTS ONLY ☐ EXPLOSIVES ☒ METALS ☒ V.O.C. ☒ SVOCS ☐ PESTICIDES/HERBICIDES

SKETCH LOCATION OF WELL INCLUDING MILEAGE ON ALL ROADS TRAVELLED FROM NEAREST TOWNS.

See Attached

LOCATION OF WELL
LAT. 38 ° 12 ' 24 "
LONG. 90 ° 23 ' 15 "

AREA 1 ELEV 418.65
COUNTY Jefferson

SMALLEST ____ 1/4 ____ 1/4 ____ 1/4 LARGEST
SEC. ____ TWN. 40 N RNG. 5 E OR W 0

DESCRIBE LOCATION OF THE WELL SO WE WOULD BE ABLE TO VISIT THE WELL SITE

DRILLER NOTES:

TYPE OF SURFACE COMPLETION ☒ ABOVE GROUND ☐ FLUSH MOUNT

LENGTH OF PROTECTIVE CASING 5 FT.
DIAMETER OF PROTECTIVE CASING 4"sq. IN.
DIAMETER AND DEPTH OF THE HOLE PROTECTIVE CASING WAS PLACED 6"casing IN. 2.5' FT.
PROTECTIVE CASING MATERIAL ☐ STEEL ☒ ALUMINUM ☐ PLASTIC
LOCKING CAP? ☒ YES ☐ NO

WEEP HOLE? ☐ YES ☐ NO
VENTED CAP? ☐ YES ☒ NO
LENGTH OF FLUSH MOUNT – FT.
DIAMETER OF FLUSH MOUNT – IN.
DIAMETER AND DEPTH OF THE HOLE FLUSH MOUNT WAS PLACED – IN. – FT.
SURFACE COMPLETION GROUT ☒ CONCRETE ☐ OTHER ____

RISER PIPE DETAIL
LENGTH 15.5' FT.
DIAMETER 2" IN.
WEIGHT OR SDR# sch40
DIAMETER OF DRILL HOLE 8.75 FT.
MATERIAL ☐ STEEL ☒ THERMOPLASTIC (PVC) ☐ OTHER ____

BENTONITE SEAL LENGTH OF SEAL 3 FT. MATERIAL ☐ SLURRY ☐ PELLETS ☐ GRANULAR ☒ CHIPS

GLUED ☐ YES ☒ NO

SECONDARY FILTER PACK: ☐ SATURATED ZONE ☐ UNSATURATED ZONE HYDRATED ☐ YES ☐ NO ☐ BOTH ZONES IF YES, HYDRATED ☐ YES ☐ NO

PRIMARY FILTER PACK
LENGTH 13' FT.
DEPTH TO TOP OF PRIMARY FILTER PACK 11' FT.
SECONDARY FILTER PACK LENGTH – FT.

ANNULAR SEAL ☐ BENTONITE SLURRY ☒ NON SLURRY BENTONITE TYPE chips ☐ CEMENT/BENTONITE SLURRY BAGS OF CEMENT USED____ % OF BENTONITE USED____ WATER USED/BAG ___ ____GAL
LENGTH 5.5 FT.

WELL SCREEN
LENGTH 11 FT.
DIAMETER 2 IN.
DIAMETER OF DRILL HOLE 8.75 IN.
DEPTH TO TOP OF SCREEN 13 FT.
MATERIAL ☐ STEEL ☒ THERMOPLASTIC (PVC) ☐ OTHER ____

DEPTH FROM	DEPTH TO	FORMATION DESCRIPTION
0	24'	Overburden
24'		Top of rock

TOTAL DEPTH: 24'

MULTIPLE CASED WELLS ☐ YES ☒ NO PUMP INSTALLED FOR REMEDIATION ☐ YES ☒ NO

SUBMIT ADDITIONAL AS BUILT DIAGRAMS SHOWING WELL CONSTRUCTION DETAILS INCLUDING TYPE AND SIZE OF ALL CASING, HOLE DIAMETERS AND GROUT USED

SIGNATURE (PRIMARY CONTRACTOR)	PERMIT NUMBER	STATIC WATER LEVEL	DATE WELL DRILLING WAS COMPLETED
Kenny Nicholson (LBG)	003272 PM	10.59' FEET FROM MEASURING POINT	drilling 7/23/02 protector 8/9/02

I HEREBY CERTIFY THAT THE MONITORING WELL HEREIN DESCRIBED WAS CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT OF NATURAL RESOURCES REQUIREMENTS FOR THE CONSTRUCTION OF MONITORING WELLS.

SIGNATURE (WELL DRILLER)	PERMIT NUMBER	DATE	SIGNATURE (PUMP INSTALLER)	PERMIT NUMBER	DATE
X Tom Wheeler	0332 IWPM	9/18/02	X N/A	–	–

MO 780-1415 (12-99)

DISTRIBUTION: WHITE/DIVISION **CANARY**/CONTRACTOR **PINK**/OWNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, P.O. BOX 250, ROLLA, MO 65402
ENCLOSE $35 MONITORING WELL CERTIFICATION FEE WITHIN 60 DAYS AFTER WELL COMPLETION

Well No. BR-3-OB Installation: Above Ground Completion

Project No. Client/Project: Westinghouse Electric Company Site: Hematite Facility

Contractor: Leggette, Brashears and Graham, Inc. Drill Contractor: Jerry Mathews Drilling

Start Date: 7/23/02 End Date: 7/23/02 Elevation (Top of Pad): ft amsl 418.89

Coordinates: N 863910.175

E 828167.015

2.74'

Depth

2.5'

5.5'

11.0'

13.0'

24.0'

8.75"

NOT TO SCALE

Protective Casing
Material Type: Aluminum
Diameter: 4 inch square
Weep Hole? (Y / N): Yes
Guard Posts (Y / N): No

Surface Pad
Composition and Size: 2 ft x 2 ft Concrete

Surface Casing
Type: Unknown
Diameter: 6 in.
Total Length: 2.5 ft

Riser Pipe
Type: SCH 40 PVC
Diameter: 2 inch
Total Depth (Ground surface to TOS): 13.0'
Ventilated Cap (Y / N): No

Annular Seal
Type: Bentonite chips
Interval BGS: 2.5' – 5.5'

Bentonite Seal
Type: Bentonite chips
Interval BGS: 5.5' – 11.0'

Primary Filter Pack
Type: Unknown
Amt. Used: Unknown

Screen
Type: SCH 40 PVC
Diameter: 2 in.
Length: 11 ft
Slot Size and Type: 0.010 slotted
Interval BGS: 13.0' – 24.0'

Note: All depths inferred from Monitoring Well Certification Record

WESTINGHOUSE ELECTRIC COMPANY
HEMATITE FACILITY
HEMATITE, MISSOURI

BR-3-OB Monitoring Well Construction Log

Science Applications International Corporation

Westinghouse Electric Company
Hematite Facility

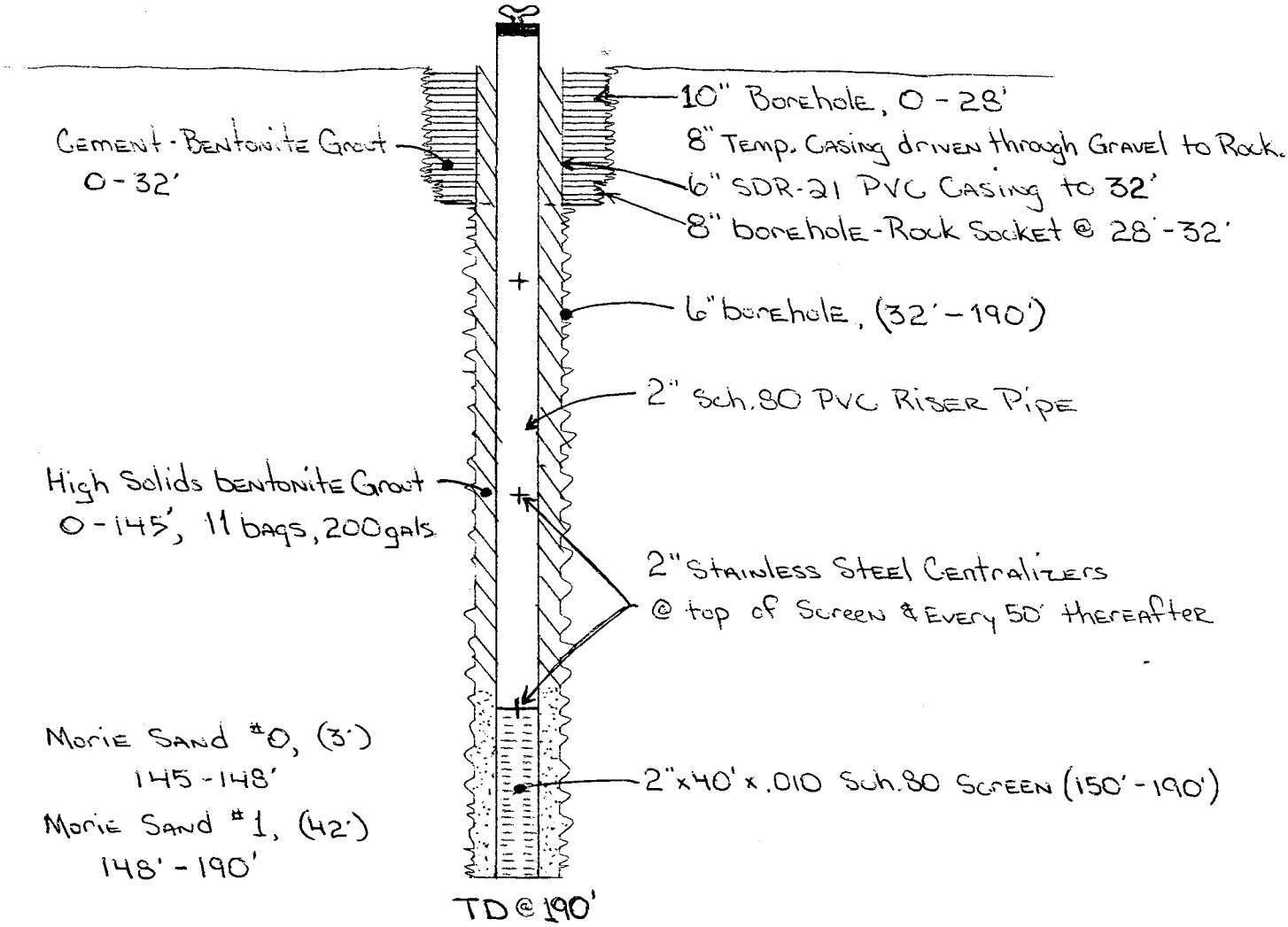
Well Inspection Report

Well Number:	Date Installed:	Project Number:
BR3-RB	7/24/2002	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 863886.933	E 828116.706	420.69
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
192.61	2.26	3.02
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	40.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Roubidoux Formation	R. Tubbs	8/20/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 2 ft X 2 ft concrete
- Water-tight lockable cap in place
- Rehabilitation not required
- Guard posts recommended to be placed around well

BR - 3 (RB)


10" Borehole, 0 - 28'
8" Temp. Casing driven through Gravel to Rock.
Cement - Bentonite Grout
0 - 32'
6" SDR-21 PVC Casing to 32'
8" borehole - Rock Socket @ 28' - 32'
6" borehole, (32' - 190')
2" Sch. 80 PVC Riser Pipe
High Solids bentonite Grout
0 - 145', 11 bags, 200 gals.
2" Stainless Steel Centralizers
@ top of Screen & Every 50' thereafter
Morie Sand #0, (3')
145 - 148'
Morie Sand #1, (42')
148' - 190'
2" x 40' x .010 Sch. 80 Screen (150' - 190')
TD @ 190'

Westinghouse Electric Company
Hematite Facility

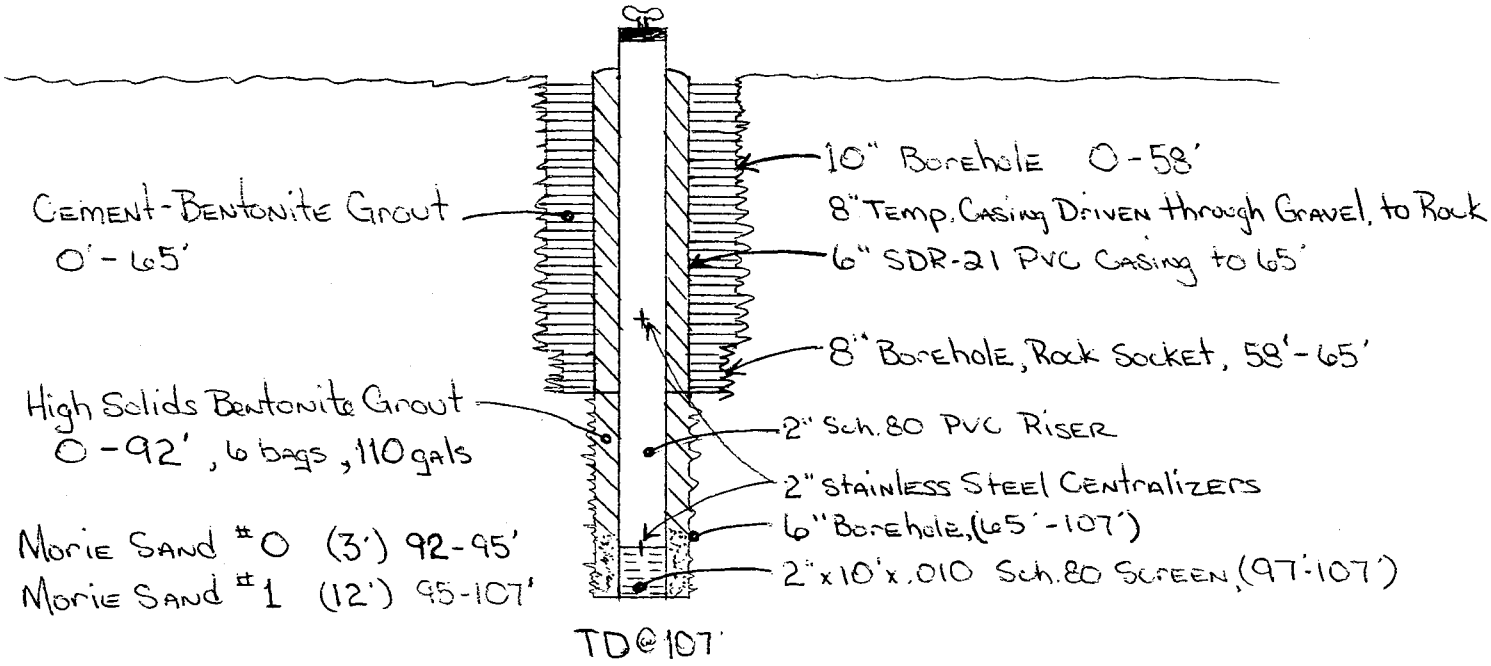
Well Inspection Report

Well Number:	Date Installed:	Project Number:
BR4-JC	7/24/2002	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865741.874	E 828010.390	434.27
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
107.40	2.11	26.02
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	10.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Jefferson City – Cotter Dolomite	R. Tubbs	8/20/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 2 ft X 2 ft concrete
- Two guard posts in place
- Water-tight lockable cap in place
- Rehabilitation and/or maintenance not required

BR-4 (JC)


10" Borehole 0-58'
8" Temp. Casing Driven through Gravel, to Rock
Cement-Bentonite Grout
0'-65'
6" SDR-21 PVC Casing to 65'
8" Borehole, Rock Socket, 58'-65'
High Solids Bentonite Grout
0-92', 6 bags, 110 gals
2" Sch. 80 PVC Riser
2" Stainless Steel Centralizers
6" Borehole, (65'-107')
Morie Sand #0 (3') 92-95'
Morie Sand #1 (12') 95-107'
2"x10'x.010 Sch. 80 Screen, (97'-107')
TD @ 107'

Westinghouse Electric Company
Hematite Facility

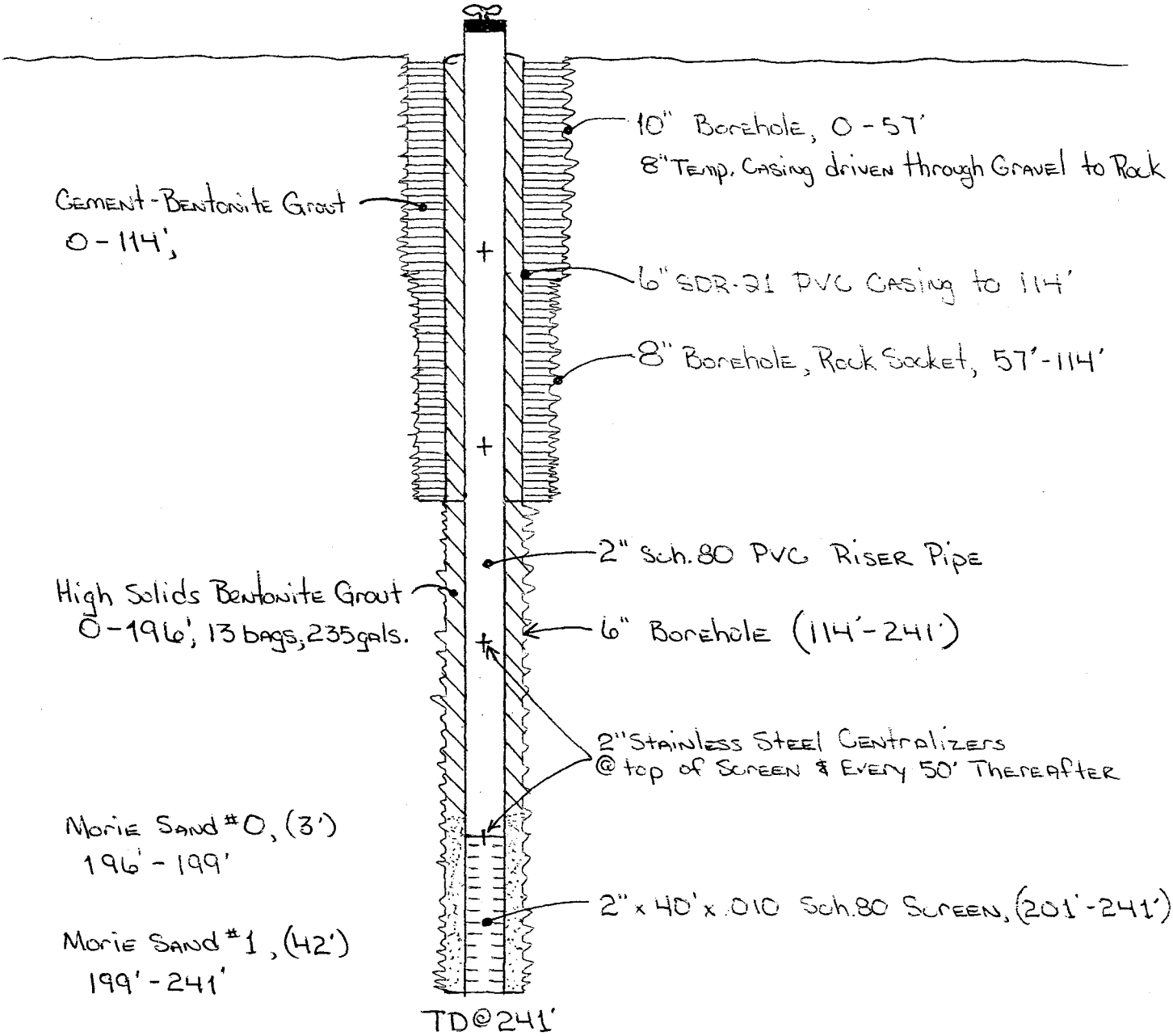
Well Inspection Report

Well Number:	Date Installed:	Project Number:
BR4-RB	7/24/2002	SAHEM00136
Coordinates (MO State Plane NAD83): Northing/Easting		**Elevation (TOC):**
N 865780.532	E 828097.050	434.73
Total Depth (feet BTOC):	**Riser Height (feet above pad):**	**Water Level (feet BTOC):**
242.98	2.62	24.51
Well Construction Material:	**Well Casing Diameter (inches):**	**Screen Length (feet):**
PVC	2	40.0
Hydrostratigraphic Zone:	**Inspected By:**	**Date Inspected:**
Roubidoux Formation	R. Tubbs	8/20/2004

Visual Observations:

- Well condition noted as good
- Protective outer casing constructed of 4 inch square aluminum
- Well pad construction – 2 ft X 2 ft concrete
- Three guard posts in place
- Water-tight lockable cap in place
- Rehabilitation and/or maintenance not required

BR-4A (RB)


10" Borehole, 0 - 57'
8" Temp. Casing driven through Gravel to Rock
Cement-Bentonite Grout
0 - 114',
6" SDR-21 PVC Casing to 114'
8" Borehole, Rock Socket, 57'-114'
2" Sch. 80 PVC Riser Pipe
High Solids Bentonite Grout
0-196', 13 bags, 235 gals.
6" Borehole (114'-241')
2" Stainless Steel Centralizers
@ top of Screen & Every 50' Thereafter
Morie Sand #0, (3')
196' - 199'
2" x 40' x .010 Sch. 80 Screen, (201'-241')
Morie Sand #1, (42')
199' - 241'
TD @ 241'

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APPENDIX G
SLUG TESTS

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BR-01-RB Test 2, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 205 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 125 ft

Initial Displacement
Fixed Value = 1.23514 ft

Hydraulic Conductivity
Calculated Value = 6.02441e-006 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 8.03842

B
Calculated Value = 2.11322

C
Calculated Value = 10.496

Linear Regression Slope
Fixed Value = -0.0130525 ft/sec

Linear Regression Intercept
Fixed Value = 1.23514 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.013052 ft/sec
Intercept: 1.235139 ft

Residual Mean = 0.000296
Residual Standard Dev. = 0.019303
Residual Sum of Squares = 0.076403
Absolute Residual Mean = 0.013395
Minimum Residual = -0.031831
Maximum Residual = 0.110878

DATA DETAIL

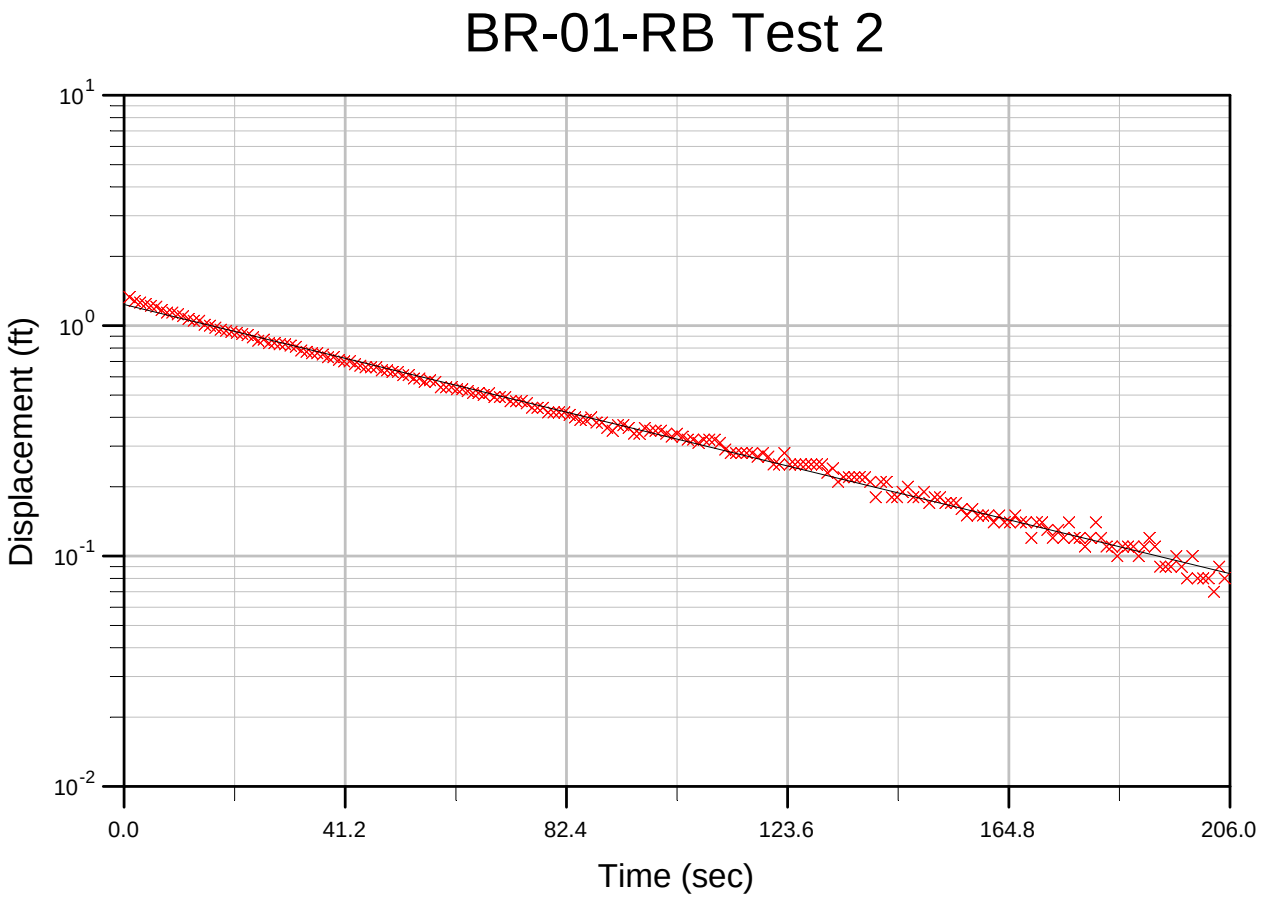
Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	1.330000e+000	1.219122e+000	1.108775e-001
1	2.000000e+000	1.280000e+000	1.203313e+000	7.668669e-002
2	3.000000e+000	1.260000e+000	1.187709e+000	7.229084e-002
3	4.000000e+000	1.240000e+000	1.172307e+000	6.769263e-002
4	5.000000e+000	1.220000e+000	1.157105e+000	6.289471e-002
5	6.000000e+000	1.210000e+000	1.142100e+000	6.789964e-002
6	7.000000e+000	1.170000e+000	1.127290e+000	4.271000e-002
7	8.000000e+000	1.140000e+000	1.112672e+000	2.732831e-002
8	9.000000e+000	1.140000e+000	1.098243e+000	4.175704e-002
9	1.000000e+001	1.120000e+000	1.084001e+000	3.599868e-002
10	1.100000e+001	1.100000e+000	1.069944e+000	3.005563e-002
11	1.200000e+001	1.070000e+000	1.056070e+000	1.393029e-002
12	1.300000e+001	1.050000e+000	1.042375e+000	7.625035e-003
13	1.400000e+001	1.050000e+000	1.028858e+000	2.114219e-002
14	1.500000e+001	1.010000e+000	1.015516e+000	-5.515942e-003
15	1.600000e+001	1.000000e+000	1.002347e+000	-2.347085e-003
16	1.700000e+001	9.800000e-001	9.893490e-001	-9.348998e-003

17	1.800000e+001	9.600000e-001	9.765195e-001	-1.651947e-002
18	1.900000e+001	9.500000e-001	9.638563e-001	-1.385630e-002
19	2.000000e+001	9.400000e-001	9.513574e-001	-1.135735e-002
20	2.100000e+001	9.300000e-001	9.390205e-001	-9.020480e-003
21	2.200000e+001	9.200000e-001	9.268436e-001	-6.843591e-003
22	2.300000e+001	9.100000e-001	9.148246e-001	-4.824607e-003
23	2.400000e+001	8.900000e-001	9.029615e-001	-1.296148e-002
24	2.500000e+001	8.600000e-001	8.912522e-001	-3.125219e-002
25	2.600000e+001	8.700000e-001	8.796947e-001	-9.694744e-003
26	2.700000e+001	8.400000e-001	8.682872e-001	-2.828717e-002
27	2.800000e+001	8.400000e-001	8.570275e-001	-1.702752e-002
28	2.900000e+001	8.300000e-001	8.459139e-001	-1.591389e-002
29	3.000000e+001	8.300000e-001	8.349444e-001	-4.944375e-003
30	3.100000e+001	8.200000e-001	8.241171e-001	-4.117108e-003
31	3.200000e+001	8.100000e-001	8.134302e-001	-3.430245e-003
32	3.300000e+001	7.800000e-001	8.028820e-001	-2.288197e-002
33	3.400000e+001	7.700000e-001	7.924705e-001	-2.247047e-002
34	3.500000e+001	7.600000e-001	7.821940e-001	-2.219399e-002
35	3.600000e+001	7.600000e-001	7.720508e-001	-1.205077e-002
36	3.700000e+001	7.500000e-001	7.620391e-001	-1.203909e-002
37	3.800000e+001	7.300000e-001	7.521572e-001	-2.215723e-002
38	3.900000e+001	7.300000e-001	7.424035e-001	-1.240352e-002
39	4.000000e+001	7.100000e-001	7.327763e-001	-2.277629e-002
40	4.100000e+001	7.000000e-001	7.232739e-001	-2.327390e-002
41	4.200000e+001	7.000000e-001	7.138947e-001	-1.389474e-002
42	4.300000e+001	6.800000e-001	7.046372e-001	-2.463720e-002
43	4.400000e+001	6.700000e-001	6.954997e-001	-2.549971e-002
44	4.500000e+001	6.600000e-001	6.864807e-001	-2.648071e-002
45	4.600000e+001	6.600000e-001	6.775787e-001	-1.757867e-002
46	4.700000e+001	6.600000e-001	6.687921e-001	-8.792068e-003
47	4.800000e+001	6.400000e-001	6.601194e-001	-2.011941e-002
48	4.900000e+001	6.400000e-001	6.515592e-001	-1.155921e-002
49	5.000000e+001	6.300000e-001	6.431100e-001	-1.311002e-002
50	5.100000e+001	6.300000e-001	6.347704e-001	-4.770390e-003
51	5.200000e+001	6.100000e-001	6.265389e-001	-1.653891e-002
52	5.300000e+001	6.100000e-001	6.184142e-001	-8.414171e-003
53	5.400000e+001	5.900000e-001	6.103948e-001	-2.039479e-002
54	5.500000e+001	5.900000e-001	6.024794e-001	-1.247941e-002
55	5.600000e+001	5.700000e-001	5.946667e-001	-2.466666e-002
56	5.700000e+001	5.800000e-001	5.869552e-001	-6.955233e-003
57	5.800000e+001	5.700000e-001	5.793438e-001	-9.343803e-003
58	5.900000e+001	5.400000e-001	5.718311e-001	-3.183107e-002
59	6.000000e+001	5.400000e-001	5.644158e-001	-2.441577e-002
60	6.100000e+001	5.400000e-001	5.570966e-001	-1.709662e-002
61	6.200000e+001	5.300000e-001	5.498724e-001	-1.987239e-002
62	6.300000e+001	5.300000e-001	5.427418e-001	-1.274183e-002
63	6.400000e+001	5.200000e-001	5.357037e-001	-1.570375e-002
64	6.500000e+001	5.100000e-001	5.287569e-001	-1.875693e-002
65	6.600000e+001	5.100000e-001	5.219002e-001	-1.190019e-002
66	6.700000e+001	5.000000e-001	5.151324e-001	-1.513237e-002
67	6.800000e+001	5.100000e-001	5.084523e-001	1.547683e-003
68	6.900000e+001	4.900000e-001	5.018589e-001	-1.185888e-002
69	7.000000e+001	4.900000e-001	4.953510e-001	-5.350954e-003
70	7.100000e+001	4.900000e-001	4.889274e-001	1.072584e-003
71	7.200000e+001	4.700000e-001	4.825872e-001	-1.258718e-002
72	7.300000e+001	4.700000e-001	4.763292e-001	-6.329154e-003
73	7.400000e+001	4.700000e-001	4.701523e-001	-1.522837e-004

74	7.500000e+001	4.600000e-001	4.640555e-001	-4.055513e-003
75	7.600000e+001	4.400000e-001	4.580378e-001	-1.803780e-002
76	7.700000e+001	4.400000e-001	4.520981e-001	-1.209813e-002
77	7.800000e+001	4.400000e-001	4.462355e-001	-6.235478e-003
78	7.900000e+001	4.200000e-001	4.404489e-001	-2.044885e-002
79	8.000000e+001	4.200000e-001	4.347373e-001	-1.473727e-002
80	8.100000e+001	4.200000e-001	4.290997e-001	-9.099744e-003
81	8.200000e+001	4.200000e-001	4.235353e-001	-3.535328e-003
82	8.300000e+001	4.100000e-001	4.180431e-001	-8.043070e-003
83	8.400000e+001	4.000000e-001	4.126220e-001	-1.262203e-002
84	8.500000e+001	3.900000e-001	4.072713e-001	-1.727130e-002
85	8.600000e+001	3.900000e-001	4.019899e-001	-1.198994e-002
86	8.700000e+001	4.000000e-001	3.967771e-001	3.222922e-003
87	8.800000e+001	3.800000e-001	3.916318e-001	-1.163181e-002
88	8.900000e+001	3.800000e-001	3.865533e-001	-6.553267e-003
89	9.000000e+001	3.600000e-001	3.815406e-001	-2.154058e-002
90	9.100000e+001	3.500000e-001	3.765929e-001	-2.659289e-002
91	9.200000e+001	3.700000e-001	3.717094e-001	-1.709369e-003
92	9.300000e+001	3.700000e-001	3.668892e-001	3.110829e-003
93	9.400000e+001	3.600000e-001	3.621315e-001	-2.131481e-003
94	9.500000e+001	3.400000e-001	3.574355e-001	-1.743549e-002
95	9.600000e+001	3.400000e-001	3.528004e-001	-1.280039e-002
96	9.700000e+001	3.600000e-001	3.482254e-001	1.177460e-002
97	9.800000e+001	3.500000e-001	3.437097e-001	6.290270e-003
98	9.900000e+001	3.500000e-001	3.392526e-001	1.074738e-002
99	1.000000e+002	3.500000e-001	3.348533e-001	1.514669e-002
100	1.010000e+002	3.400000e-001	3.305111e-001	9.488948e-003
101	1.020000e+002	3.300000e-001	3.262251e-001	3.774900e-003
102	1.030000e+002	3.400000e-001	3.219947e-001	1.800527e-002
103	1.040000e+002	3.300000e-001	3.178192e-001	1.218079e-002
104	1.050000e+002	3.200000e-001	3.136978e-001	6.302157e-003
105	1.060000e+002	3.200000e-001	3.096299e-001	1.037008e-002
106	1.070000e+002	3.100000e-001	3.056147e-001	4.385254e-003
107	1.080000e+002	3.200000e-001	3.016516e-001	1.834836e-002
108	1.090000e+002	3.200000e-001	2.977399e-001	2.226007e-002
109	1.100000e+002	3.200000e-001	2.938789e-001	2.612106e-002
110	1.110000e+002	3.100000e-001	2.900680e-001	1.993198e-002
111	1.120000e+002	2.900000e-001	2.863065e-001	3.693480e-003
112	1.130000e+002	2.800000e-001	2.825938e-001	-2.593797e-003
113	1.140000e+002	2.800000e-001	2.789292e-001	1.070781e-003
114	1.150000e+002	2.800000e-001	2.753122e-001	4.687838e-003
115	1.160000e+002	2.800000e-001	2.717420e-001	8.257990e-003
116	1.170000e+002	2.800000e-001	2.682182e-001	1.178185e-002
117	1.180000e+002	2.700000e-001	2.647400e-001	5.260005e-003
118	1.190000e+002	2.800000e-001	2.613069e-001	1.869306e-002
119	1.200000e+002	2.700000e-001	2.579184e-001	1.208160e-002
120	1.210000e+002	2.500000e-001	2.545738e-001	-4.573806e-003
121	1.220000e+002	2.500000e-001	2.512726e-001	-1.272582e-003
122	1.230000e+002	2.800000e-001	2.480142e-001	3.198583e-002
123	1.240000e+002	2.500000e-001	2.447980e-001	5.201994e-003
124	1.250000e+002	2.500000e-001	2.416236e-001	8.376449e-003
125	1.260000e+002	2.500000e-001	2.384903e-001	1.150974e-002
126	1.270000e+002	2.500000e-001	2.353976e-001	1.460240e-002
127	1.280000e+002	2.500000e-001	2.323450e-001	1.765495e-002
128	1.290000e+002	2.500000e-001	2.293321e-001	2.066792e-002
129	1.300000e+002	2.500000e-001	2.263582e-001	2.364182e-002
130	1.310000e+002	2.300000e-001	2.234228e-001	6.577153e-003

131	1.320000e+002	2.400000e-001	2.205256e-001	1.947442e-002
132	1.330000e+002	2.100000e-001	2.176659e-001	-7.665879e-003
133	1.340000e+002	2.200000e-001	2.148433e-001	5.156736e-003
134	1.350000e+002	2.200000e-001	2.120573e-001	7.942749e-003
135	1.360000e+002	2.200000e-001	2.093074e-001	1.069263e-002
136	1.370000e+002	2.200000e-001	2.065931e-001	1.340686e-002
137	1.380000e+002	2.200000e-001	2.039141e-001	1.608589e-002
138	1.390000e+002	2.100000e-001	2.012698e-001	8.730173e-003
139	1.400000e+002	1.800000e-001	1.986598e-001	-1.865983e-002
140	1.410000e+002	2.100000e-001	1.960837e-001	1.391632e-002
141	1.420000e+002	2.100000e-001	1.935409e-001	1.645907e-002
142	1.430000e+002	1.800000e-001	1.910312e-001	-1.103116e-002
143	1.440000e+002	1.800000e-001	1.885539e-001	-8.553938e-003
144	1.450000e+002	1.900000e-001	1.861088e-001	3.891164e-003
145	1.460000e+002	2.000000e-001	1.836954e-001	1.630456e-002
146	1.470000e+002	1.800000e-001	1.813133e-001	-1.313343e-003
147	1.480000e+002	1.800000e-001	1.789621e-001	1.037865e-003
148	1.490000e+002	1.900000e-001	1.766414e-001	1.335858e-002
149	1.500000e+002	1.700000e-001	1.743508e-001	-4.350792e-003
150	1.510000e+002	1.800000e-001	1.720899e-001	7.910128e-003
151	1.520000e+002	1.800000e-001	1.698583e-001	1.014173e-002
152	1.530000e+002	1.700000e-001	1.676556e-001	2.344392e-003
153	1.540000e+002	1.700000e-001	1.654815e-001	4.518491e-003
154	1.550000e+002	1.700000e-001	1.633356e-001	6.664398e-003
155	1.560000e+002	1.600000e-001	1.612175e-001	-1.217523e-003
156	1.570000e+002	1.500000e-001	1.591269e-001	-9.126911e-003
157	1.580000e+002	1.600000e-001	1.570634e-001	2.936592e-003
158	1.590000e+002	1.500000e-001	1.550267e-001	-5.026665e-003
159	1.600000e+002	1.500000e-001	1.530163e-001	-3.016333e-003
160	1.610000e+002	1.500000e-001	1.510321e-001	-1.032071e-003
161	1.620000e+002	1.400000e-001	1.490735e-001	-9.073540e-003
162	1.630000e+002	1.500000e-001	1.471404e-001	2.859594e-003
163	1.640000e+002	1.400000e-001	1.452323e-001	-5.232341e-003
164	1.650000e+002	1.400000e-001	1.433490e-001	-3.349018e-003
165	1.660000e+002	1.500000e-001	1.414901e-001	8.509882e-003
166	1.670000e+002	1.400000e-001	1.396553e-001	3.446762e-004
167	1.680000e+002	1.400000e-001	1.378443e-001	2.155678e-003
168	1.690000e+002	1.200000e-001	1.360568e-001	-1.605681e-002
169	1.700000e+002	1.400000e-001	1.342925e-001	5.707532e-003
170	1.710000e+002	1.400000e-001	1.325510e-001	7.448990e-003
171	1.720000e+002	1.300000e-001	1.308321e-001	-8.321350e-004
172	1.730000e+002	1.200000e-001	1.291355e-001	-9.135550e-003
173	1.740000e+002	1.300000e-001	1.274610e-001	2.539035e-003
174	1.750000e+002	1.200000e-001	1.258081e-001	-5.808096e-003
175	1.760000e+002	1.400000e-001	1.241767e-001	1.582334e-002
176	1.770000e+002	1.200000e-001	1.225664e-001	-2.566381e-003
177	1.780000e+002	1.200000e-001	1.209770e-001	-9.769825e-004
178	1.790000e+002	1.100000e-001	1.194082e-001	-9.408195e-003
179	1.800000e+002	1.200000e-001	1.178598e-001	2.140249e-003
180	1.810000e+002	1.400000e-001	1.163314e-001	2.366861e-002
181	1.820000e+002	1.200000e-001	1.148228e-001	5.177158e-003
182	1.830000e+002	1.100000e-001	1.133339e-001	-3.333860e-003
183	1.840000e+002	1.100000e-001	1.118642e-001	-1.864186e-003
184	1.850000e+002	1.000000e-001	1.104136e-001	-1.041357e-002
185	1.860000e+002	1.100000e-001	1.089818e-001	1.018234e-003
186	1.870000e+002	1.100000e-001	1.075685e-001	2.431472e-003
187	1.880000e+002	1.100000e-001	1.061736e-001	3.826383e-003

188	1.890000e+002	1.000000e-001	1.047968e-001	-4.796795e-003
189	1.900000e+002	1.100000e-001	1.034378e-001	6.562174e-003
190	1.910000e+002	1.200000e-001	1.020965e-001	1.790352e-002
191	1.920000e+002	1.100000e-001	1.007725e-001	9.227471e-003
192	1.930000e+002	9.000000e-002	9.946575e-002	-9.465746e-003
193	1.940000e+002	9.000000e-002	9.817591e-002	-8.175909e-003
194	1.950000e+002	9.000000e-002	9.690280e-002	-6.902798e-003
195	1.960000e+002	1.000000e-001	9.564620e-002	4.353803e-003
196	1.970000e+002	9.000000e-002	9.440589e-002	-4.405890e-003
197	1.980000e+002	8.000000e-002	9.318167e-002	-1.318167e-002
198	1.990000e+002	1.000000e-001	9.197332e-002	8.026680e-003
199	2.000000e+002	8.000000e-002	9.078064e-002	-1.078064e-002
200	2.010000e+002	8.000000e-002	8.960343e-002	-9.603431e-003
201	2.020000e+002	8.000000e-002	8.844148e-002	-8.441485e-003
202	2.030000e+002	7.000000e-002	8.729461e-002	-1.729461e-002
203	2.040000e+002	9.000000e-002	8.616260e-002	3.837400e-003
204	2.050000e+002	8.000000e-002	8.504527e-002	-5.045274e-003



BR-01-RB Test 2, Optimized Match

BR-06-RB, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 23 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 15 ft

Depth to Screen Top
Fixed Value = 64 ft

Initial Displacement
Fixed Value = 4.04586 ft

Hydraulic Conductivity
Calculated Value = 0.000174821 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 5.81149

B
Calculated Value = 1.05217

C
Calculated Value = 6.38221

Linear Regression Slope
Fixed Value = -0.172065 ft/sec

Linear Regression Intercept
Fixed Value = 4.04586 ft

ANALYSIS STATISTICS

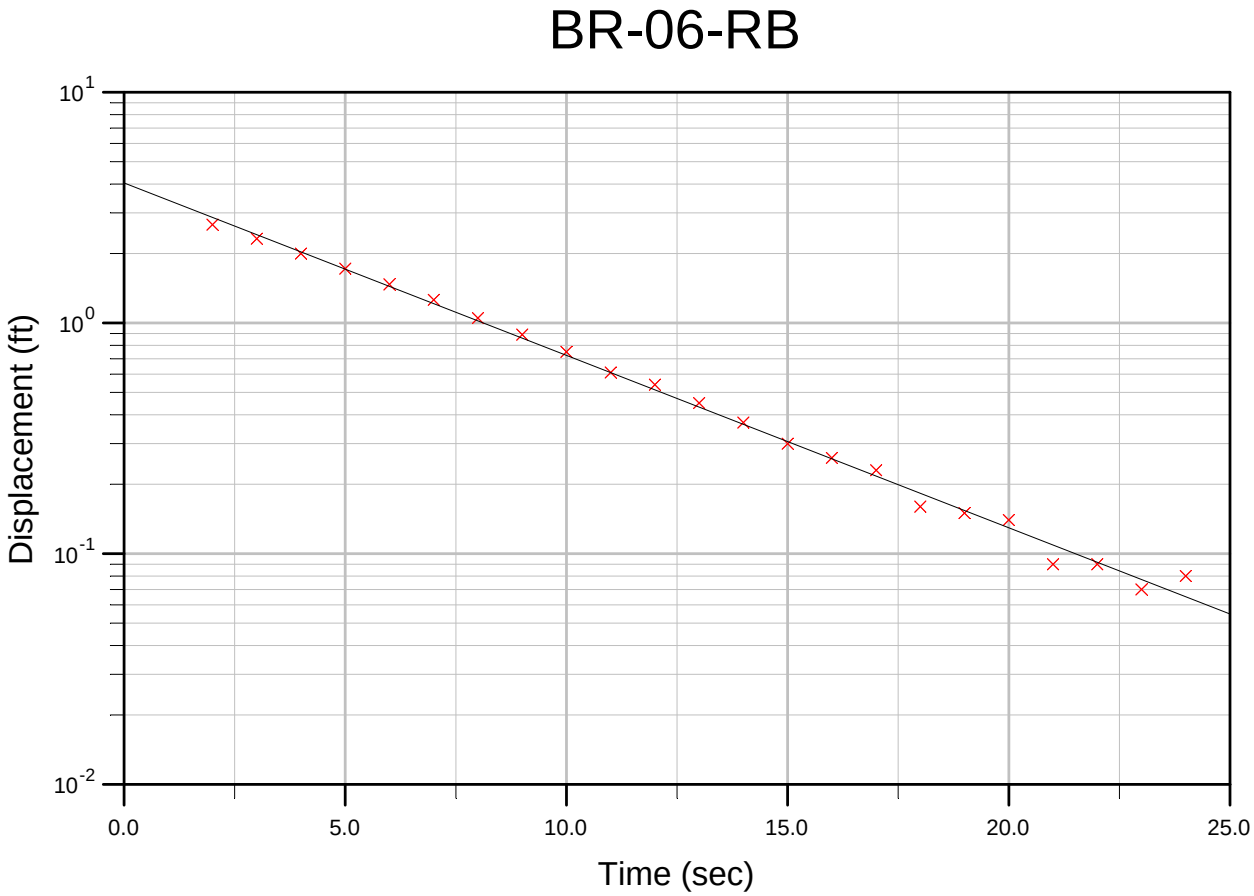
Regression Line
Slope: -0.172065 ft/sec
Intercept: 4.045859 ft

Residual Mean = -0.005458
Residual Standard Dev. = 0.049587
Residual Sum of Squares = 0.057238
Absolute Residual Mean = 0.028139
Minimum Residual = -0.197851
Maximum Residual = 0.046831

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	2.670000e+000	2.867851e+000	-1.978515e-001
1	3.000000e+000	2.320000e+000	2.414513e+000	-9.451330e-002
2	4.000000e+000	2.000000e+000	2.032837e+000	-3.283697e-002
3	5.000000e+000	1.720000e+000	1.711494e+000	8.505542e-003
4	6.000000e+000	1.470000e+000	1.440948e+000	2.905155e-002
5	7.000000e+000	1.260000e+000	1.213169e+000	4.683076e-002
6	8.000000e+000	1.050000e+000	1.021396e+000	2.860356e-002
7	9.000000e+000	8.900000e-001	8.599383e-001	3.006171e-002
8	1.000000e+001	7.500000e-001	7.240028e-001	2.599722e-002
9	1.100000e+001	6.100000e-001	6.095554e-001	4.446031e-004
10	1.200000e+001	5.400000e-001	5.131994e-001	2.680061e-002
11	1.300000e+001	4.500000e-001	4.320749e-001	1.792506e-002
12	1.400000e+001	3.700000e-001	3.637743e-001	6.225693e-003
13	1.500000e+001	3.000000e-001	3.062704e-001	-6.270361e-003
14	1.600000e+001	2.600000e-001	2.578564e-001	2.143599e-003
15	1.700000e+001	2.300000e-001	2.170955e-001	1.290448e-002
16	1.800000e+001	1.600000e-001	1.827780e-001	-2.277795e-002

17	1.900000e+001	1.500000e-001	1.538852e-001	-3.885167e-003
18	2.000000e+001	1.400000e-001	1.295596e-001	1.044037e-002
19	2.100000e+001	9.000000e-002	1.090794e-001	-1.907938e-002
20	2.200000e+001	9.000000e-002	9.183656e-002	-1.836559e-003
21	2.300000e+001	7.000000e-002	7.731941e-002	-7.319413e-003
22	2.400000e+001	8.000000e-002	6.509708e-002	1.490292e-002



BR-06-RB, Optimized Match

BR-07-RB Test 3, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 94 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 225 ft

Initial Displacement
Fixed Value = 2.84446 ft

Hydraulic Conductivity
Calculated Value = 2.90724e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 8.03842

B
Calculated Value = 2.11322

C
Calculated Value = 10.496

Linear Regression Slope
Fixed Value = -0.0601369 ft/sec

Linear Regression Intercept
Fixed Value = 2.84446 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.060137 ft/sec
Intercept: 2.844461 ft

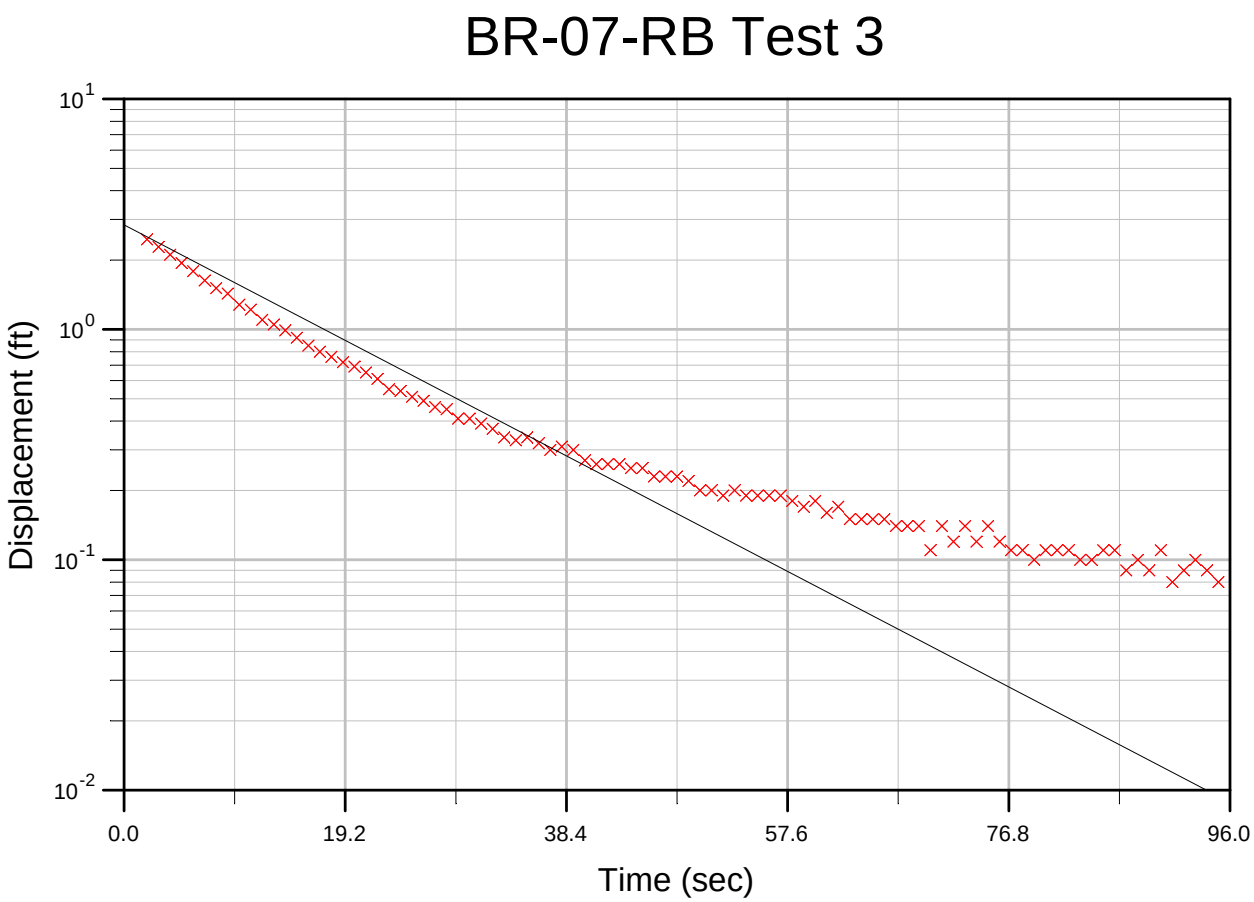
Residual Mean = -0.008211
Residual Standard Dev. = 0.121327
Residual Sum of Squares = 1.390049
Absolute Residual Mean = 0.103582
Minimum Residual = -0.282276
Maximum Residual = 0.108724

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	2.460000e+000	2.522120e+000	-6.212028e-002
1	3.000000e+000	2.280000e+000	2.374918e+000	-9.491839e-002
2	4.000000e+000	2.110000e+000	2.236308e+000	-1.263078e-001
3	5.000000e+000	1.940000e+000	2.105787e+000	-1.657872e-001
4	6.000000e+000	1.790000e+000	1.982884e+000	-1.928843e-001
5	7.000000e+000	1.630000e+000	1.867155e+000	-2.371546e-001
6	8.000000e+000	1.510000e+000	1.758179e+000	-2.481793e-001
7	9.000000e+000	1.430000e+000	1.655564e+000	-2.255644e-001
8	1.000000e+001	1.280000e+000	1.558938e+000	-2.789384e-001
9	1.100000e+001	1.220000e+000	1.467952e+000	-2.479520e-001
10	1.200000e+001	1.100000e+000	1.382276e+000	-2.822760e-001
11	1.300000e+001	1.050000e+000	1.301600e+000	-2.516004e-001
12	1.400000e+001	9.900000e-001	1.225633e+000	-2.356333e-001
13	1.500000e+001	9.200000e-001	1.154100e+000	-2.341000e-001
14	1.600000e+001	8.500000e-001	1.086742e+000	-2.367417e-001
15	1.700000e+001	8.000000e-001	1.023315e+000	-2.233148e-001
16	1.800000e+001	7.600000e-001	9.635897e-001	-2.035897e-001

17	1.900000e+001	7.200000e-001	9.073504e-001	-1.873504e-001
18	2.000000e+001	6.900000e-001	8.543935e-001	-1.643935e-001
19	2.100000e+001	6.500000e-001	8.045274e-001	-1.545274e-001
20	2.200000e+001	6.100000e-001	7.575717e-001	-1.475717e-001
21	2.300000e+001	5.500000e-001	7.133565e-001	-1.633565e-001
22	2.400000e+001	5.400000e-001	6.717219e-001	-1.317219e-001
23	2.500000e+001	5.100000e-001	6.325173e-001	-1.225173e-001
24	2.600000e+001	4.900000e-001	5.956009e-001	-1.056009e-001
25	2.700000e+001	4.600000e-001	5.608390e-001	-1.008390e-001
26	2.800000e+001	4.500000e-001	5.281060e-001	-7.810601e-002
27	2.900000e+001	4.100000e-001	4.972835e-001	-8.728345e-002
28	3.000000e+001	4.100000e-001	4.682598e-001	-5.825983e-002
29	3.100000e+001	3.900000e-001	4.409302e-001	-5.093015e-002
30	3.200000e+001	3.700000e-001	4.151956e-001	-4.519556e-002
31	3.300000e+001	3.400000e-001	3.909629e-001	-5.096294e-002
32	3.400000e+001	3.300000e-001	3.681446e-001	-3.814465e-002
33	3.500000e+001	3.400000e-001	3.466581e-001	-6.658127e-003
34	3.600000e+001	3.200000e-001	3.264257e-001	-6.425654e-003
35	3.700000e+001	3.000000e-001	3.073740e-001	-7.374036e-003
36	3.800000e+001	3.100000e-001	2.894344e-001	2.056565e-002
37	3.900000e+001	3.000000e-001	2.725417e-001	2.745829e-002
38	4.000000e+001	2.700000e-001	2.566350e-001	1.336501e-002
39	4.100000e+001	2.600000e-001	2.416567e-001	1.834334e-002
40	4.200000e+001	2.600000e-001	2.275525e-001	3.244747e-002
41	4.300000e+001	2.600000e-001	2.142716e-001	4.572843e-002
42	4.400000e+001	2.500000e-001	2.017658e-001	4.823424e-002
43	4.500000e+001	2.500000e-001	1.899898e-001	6.001017e-002
44	4.600000e+001	2.300000e-001	1.789012e-001	5.109880e-002
45	4.700000e+001	2.300000e-001	1.684597e-001	6.154025e-002
46	4.800000e+001	2.300000e-001	1.586277e-001	7.137229e-002
47	4.900000e+001	2.200000e-001	1.493695e-001	7.063050e-002
48	5.000000e+001	2.000000e-001	1.406517e-001	5.934835e-002
49	5.100000e+001	2.000000e-001	1.324426e-001	6.755739e-002
50	5.200000e+001	1.900000e-001	1.247127e-001	6.528731e-002
51	5.300000e+001	2.000000e-001	1.174339e-001	8.256609e-002
52	5.400000e+001	1.900000e-001	1.105800e-001	7.942004e-002
53	5.500000e+001	1.900000e-001	1.041260e-001	8.587397e-002
54	5.600000e+001	1.900000e-001	9.804879e-002	9.195121e-002
55	5.700000e+001	1.900000e-001	9.232623e-002	9.767377e-002
56	5.800000e+001	1.800000e-001	8.693767e-002	9.306233e-002
57	5.900000e+001	1.700000e-001	8.186361e-002	8.813639e-002
58	6.000000e+001	1.800000e-001	7.708570e-002	1.029143e-001
59	6.100000e+001	1.600000e-001	7.258664e-002	8.741336e-002
60	6.200000e+001	1.700000e-001	6.835017e-002	1.016498e-001
61	6.300000e+001	1.500000e-001	6.436096e-002	8.563904e-002
62	6.400000e+001	1.500000e-001	6.060457e-002	8.939543e-002
63	6.500000e+001	1.500000e-001	5.706743e-002	9.293257e-002
64	6.600000e+001	1.500000e-001	5.373672e-002	9.626328e-002
65	6.700000e+001	1.400000e-001	5.060042e-002	8.939958e-002
66	6.800000e+001	1.400000e-001	4.764716e-002	9.235284e-002
67	6.900000e+001	1.400000e-001	4.486626e-002	9.513374e-002
68	7.000000e+001	1.100000e-001	4.224767e-002	6.775233e-002
69	7.100000e+001	1.400000e-001	3.978191e-002	1.002181e-001
70	7.200000e+001	1.200000e-001	3.746007e-002	8.253993e-002
71	7.300000e+001	1.400000e-001	3.527374e-002	1.047263e-001
72	7.400000e+001	1.200000e-001	3.321501e-002	8.678499e-002
73	7.500000e+001	1.400000e-001	3.127644e-002	1.087236e-001

74	7.600000e+001	1.200000e-001	2.945101e-002	9.054899e-002
75	7.700000e+001	1.100000e-001	2.773212e-002	8.226788e-002
76	7.800000e+001	1.100000e-001	2.611355e-002	8.388645e-002
77	7.900000e+001	1.000000e-001	2.458945e-002	7.541055e-002
78	8.000000e+001	1.100000e-001	2.315430e-002	8.684570e-002
79	8.100000e+001	1.100000e-001	2.180292e-002	8.819708e-002
80	8.200000e+001	1.100000e-001	2.053041e-002	8.946959e-002
81	8.300000e+001	1.000000e-001	1.933216e-002	8.066784e-002
82	8.400000e+001	1.000000e-001	1.820385e-002	8.179615e-002
83	8.500000e+001	1.100000e-001	1.714140e-002	9.285860e-002
84	8.600000e+001	1.100000e-001	1.614095e-002	9.385905e-002
85	8.700000e+001	9.000000e-002	1.519890e-002	7.480110e-002
86	8.800000e+001	1.000000e-001	1.431182e-002	8.568818e-002
87	8.900000e+001	9.000000e-002	1.347652e-002	7.652348e-002
88	9.000000e+001	1.100000e-001	1.268997e-002	9.731003e-002
89	9.100000e+001	8.000000e-002	1.194933e-002	6.805067e-002
90	9.200000e+001	9.000000e-002	1.125192e-002	7.874808e-002
91	9.300000e+001	1.000000e-001	1.059521e-002	8.940479e-002
92	9.400000e+001	9.000000e-002	9.976824e-003	8.002318e-002
93	9.500000e+001	8.000000e-002	9.394533e-003	7.060547e-002



BR-07-RB Test 3, Manual Match

BR-07-RB Test 3 Optimized Curve Fit

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 94 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 225 ft

Initial Displacement
Fixed Value = 1.35751 ft

Hydraulic Conductivity
Calculated Value = 1.5823e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 8.03842

B
Calculated Value = 2.11322

C
Calculated Value = 10.496

Linear Regression Slope
Fixed Value = -0.0327302 ft/sec

Linear Regression Intercept
Fixed Value = 1.35751 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.032730 ft/sec
Intercept: 1.357512 ft

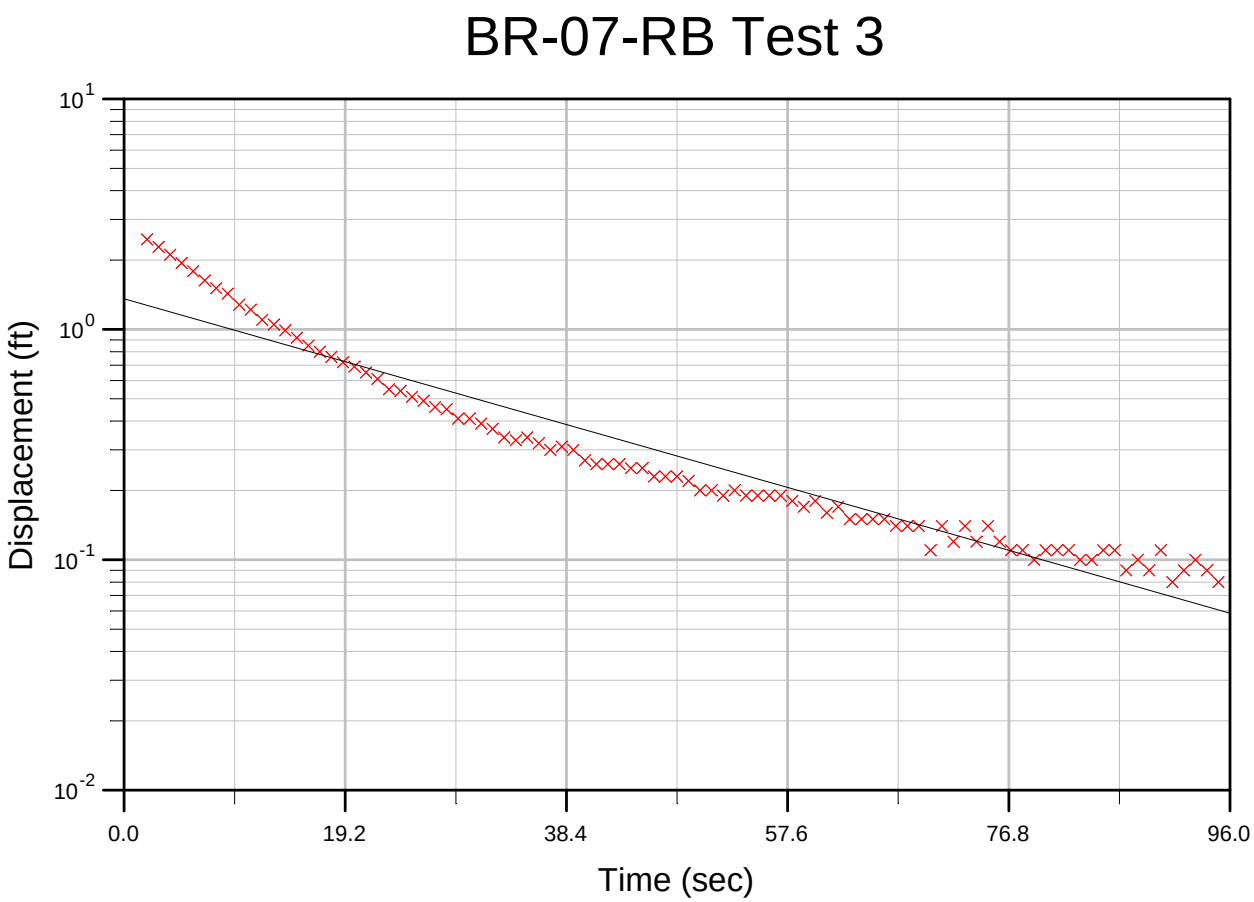
Residual Mean = 0.049191
Residual Standard Dev. = 0.239785
Residual Sum of Squares = 5.632168
Absolute Residual Mean = 0.113671
Minimum Residual = -0.120960
Maximum Residual = 1.188505

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	2.460000e+000	1.271495e+000	1.188505e+000
1	3.000000e+000	2.280000e+000	1.230552e+000	1.049448e+000
2	4.000000e+000	2.110000e+000	1.190928e+000	9.190722e-001
3	5.000000e+000	1.940000e+000	1.152579e+000	7.874205e-001
4	6.000000e+000	1.790000e+000	1.115466e+000	6.745340e-001
5	7.000000e+000	1.630000e+000	1.079548e+000	5.504525e-001
6	8.000000e+000	1.510000e+000	1.044786e+000	4.652143e-001
7	9.000000e+000	1.430000e+000	1.011143e+000	4.188568e-001
8	1.000000e+001	1.280000e+000	9.785839e-001	3.014161e-001
9	1.100000e+001	1.220000e+000	9.470732e-001	2.729268e-001
10	1.200000e+001	1.100000e+000	9.165770e-001	1.834230e-001
11	1.300000e+001	1.050000e+000	8.870629e-001	1.629371e-001
12	1.400000e+001	9.900000e-001	8.584991e-001	1.315009e-001
13	1.500000e+001	9.200000e-001	8.308551e-001	8.914489e-002
14	1.600000e+001	8.500000e-001	8.041013e-001	4.589875e-002
15	1.700000e+001	8.000000e-001	7.782089e-001	2.179112e-002
16	1.800000e+001	7.600000e-001	7.531502e-001	6.849753e-003

17	1.900000e+001	7.200000e-001	7.288985e-001	-8.898514e-003
18	2.000000e+001	6.900000e-001	7.054277e-001	-1.542770e-002
19	2.100000e+001	6.500000e-001	6.827126e-001	-3.271265e-002
20	2.200000e+001	6.100000e-001	6.607290e-001	-5.072903e-002
21	2.300000e+001	5.500000e-001	6.394533e-001	-8.945330e-002
22	2.400000e+001	5.400000e-001	6.188627e-001	-7.886265e-002
23	2.500000e+001	5.100000e-001	5.989350e-001	-8.893503e-002
24	2.600000e+001	4.900000e-001	5.796491e-001	-8.964909e-002
25	2.700000e+001	4.600000e-001	5.609842e-001	-1.009842e-001
26	2.800000e+001	4.500000e-001	5.429203e-001	-9.292025e-002
27	2.900000e+001	4.100000e-001	5.254380e-001	-1.154380e-001
28	3.000000e+001	4.100000e-001	5.085187e-001	-9.851870e-002
29	3.100000e+001	3.900000e-001	4.921442e-001	-1.021442e-001
30	3.200000e+001	3.700000e-001	4.762970e-001	-1.062970e-001
31	3.300000e+001	3.400000e-001	4.609600e-001	-1.209600e-001
32	3.400000e+001	3.300000e-001	4.461169e-001	-1.161169e-001
33	3.500000e+001	3.400000e-001	4.317518e-001	-9.175178e-002
34	3.600000e+001	3.200000e-001	4.178492e-001	-9.784920e-002
35	3.700000e+001	3.000000e-001	4.043943e-001	-1.043943e-001
36	3.800000e+001	3.100000e-001	3.913726e-001	-8.137264e-002
37	3.900000e+001	3.000000e-001	3.787703e-001	-7.877029e-002
38	4.000000e+001	2.700000e-001	3.665737e-001	-9.657374e-002
39	4.100000e+001	2.600000e-001	3.547699e-001	-9.476992e-002
40	4.200000e+001	2.600000e-001	3.433462e-001	-8.334619e-002
41	4.300000e+001	2.600000e-001	3.322903e-001	-7.229031e-002
42	4.400000e+001	2.500000e-001	3.215904e-001	-7.159043e-002
43	4.500000e+001	2.500000e-001	3.112351e-001	-6.123509e-002
44	4.600000e+001	2.300000e-001	3.012132e-001	-7.121320e-002
45	4.700000e+001	2.300000e-001	2.915140e-001	-6.151402e-002
46	4.800000e+001	2.300000e-001	2.821272e-001	-5.212715e-002
47	4.900000e+001	2.200000e-001	2.730425e-001	-5.304255e-002
48	5.000000e+001	2.000000e-001	2.642505e-001	-6.425047e-002
49	5.100000e+001	2.000000e-001	2.557415e-001	-5.574150e-002
50	5.200000e+001	1.900000e-001	2.475065e-001	-5.750652e-002
51	5.300000e+001	2.000000e-001	2.395367e-001	-3.953672e-002
52	5.400000e+001	1.900000e-001	2.318235e-001	-4.182354e-002
53	5.500000e+001	1.900000e-001	2.243587e-001	-3.435873e-002
54	5.600000e+001	1.900000e-001	2.171343e-001	-2.713429e-002
55	5.700000e+001	1.900000e-001	2.101425e-001	-2.014248e-002
56	5.800000e+001	1.800000e-001	2.033758e-001	-2.337581e-002
57	5.900000e+001	1.700000e-001	1.968270e-001	-2.682703e-002
58	6.000000e+001	1.800000e-001	1.904891e-001	-1.048913e-002
59	6.100000e+001	1.600000e-001	1.843553e-001	-2.435530e-002
60	6.200000e+001	1.700000e-001	1.784190e-001	-8.418989e-003
61	6.300000e+001	1.500000e-001	1.726738e-001	-2.267383e-002
62	6.400000e+001	1.500000e-001	1.671137e-001	-1.711366e-002
63	6.500000e+001	1.500000e-001	1.617325e-001	-1.173254e-002
64	6.600000e+001	1.500000e-001	1.565247e-001	-6.524686e-003
65	6.700000e+001	1.400000e-001	1.514845e-001	-1.148453e-002
66	6.800000e+001	1.400000e-001	1.466067e-001	-6.606669e-003
67	6.900000e+001	1.400000e-001	1.418859e-001	-1.885877e-003
68	7.000000e+001	1.100000e-001	1.373171e-001	-2.731710e-002
69	7.100000e+001	1.400000e-001	1.328954e-001	7.104569e-003
70	7.200000e+001	1.200000e-001	1.286161e-001	-8.616147e-003
71	7.300000e+001	1.400000e-001	1.244747e-001	1.552534e-002
72	7.400000e+001	1.200000e-001	1.204665e-001	-4.665236e-004
73	7.500000e+001	1.400000e-001	1.165875e-001	2.341255e-002

74	7.600000e+001	1.200000e-001	1.128333e-001	7.166707e-003
75	7.700000e+001	1.100000e-001	1.092000e-001	7.999835e-004
76	7.800000e+001	1.100000e-001	1.056837e-001	4.316267e-003
77	7.900000e+001	1.000000e-001	1.022807e-001	-2.280676e-003
78	8.000000e+001	1.100000e-001	9.898720e-002	1.101280e-002
79	8.100000e+001	1.100000e-001	9.579977e-002	1.420023e-002
80	8.200000e+001	1.100000e-001	9.271498e-002	1.728502e-002
81	8.300000e+001	1.000000e-001	8.972952e-002	1.027048e-002
82	8.400000e+001	1.000000e-001	8.684020e-002	1.315980e-002
83	8.500000e+001	1.100000e-001	8.404391e-002	2.595609e-002
84	8.600000e+001	1.100000e-001	8.133766e-002	2.866234e-002
85	8.700000e+001	9.000000e-002	7.871856e-002	1.128144e-002
86	8.800000e+001	1.000000e-001	7.618379e-002	2.381621e-002
87	8.900000e+001	9.000000e-002	7.373064e-002	1.626936e-002
88	9.000000e+001	1.100000e-001	7.135649e-002	3.864351e-002
89	9.100000e+001	8.000000e-002	6.905878e-002	1.094122e-002
90	9.200000e+001	9.000000e-002	6.683506e-002	2.316494e-002
91	9.300000e+001	1.000000e-001	6.468294e-002	3.531706e-002
92	9.400000e+001	9.000000e-002	6.260013e-002	2.739987e-002
93	9.500000e+001	8.000000e-002	6.058438e-002	1.941562e-002



BR-07-RB Test 3 Optimized Curve Fit

BR-08-JC Test 1, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 18 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 44.6 ft

Initial Displacement
Fixed Value = 8.87837 ft

Hydraulic Conductivity
Calculated Value = 0.00136335 ft/sec

Aquifer Thickness
Fixed Value = 100 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 4.83299

B
Calculated Value = 0.822699

C
Calculated Value = 4.81789

Linear Regression Slope
Fixed Value = -0.985668 ft/sec

Linear Regression Intercept
Fixed Value = 8.87837 ft

ANALYSIS STATISTICS

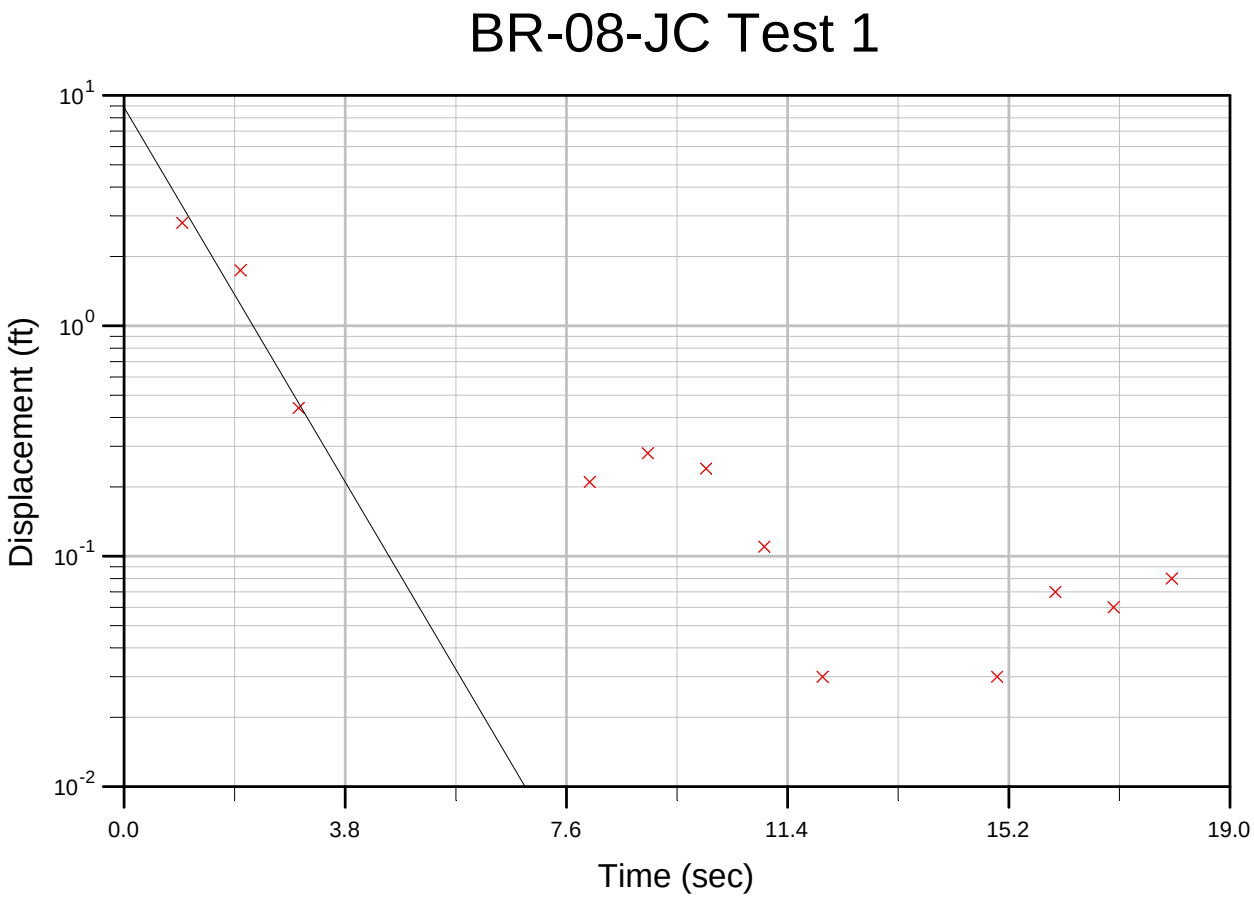
Regression Line
Slope: -0.985668 ft/sec
Intercept: 8.878372 ft

Residual Mean = -0.022556
Residual Standard Dev. = 0.282038
Residual Sum of Squares = 1.440979
Absolute Residual Mean = 0.201245
Minimum Residual = -0.564266
Maximum Residual = 0.503503

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	2.800000e+000	3.313318e+000	-5.133183e-001
1	2.000000e+000	1.740000e+000	1.236497e+000	5.035032e-001
2	3.000000e+000	4.400000e-001	4.614480e-001	-2.144804e-002
3	4.000000e+000	-3.500000e-001	1.722077e-001	-5.222077e-001
4	5.000000e+000	-5.000000e-001	6.426618e-002	-5.642662e-001
5	6.000000e+000	-3.300000e-001	2.398348e-002	-3.539835e-001
6	7.000000e+000	-1.000000e-002	8.950393e-003	-1.895039e-002
7	8.000000e+000	2.100000e-001	3.340196e-003	2.066598e-001
8	9.000000e+000	2.800000e-001	1.246527e-003	2.787535e-001
9	1.000000e+001	2.400000e-001	4.651913e-004	2.395348e-001
10	1.100000e+001	1.100000e-001	1.736047e-004	1.098264e-001
11	1.200000e+001	3.000000e-002	6.478750e-005	2.993521e-002

12	1.300000e+001	-1.000000e-002	2.417804e-005	-1.002418e-002
13	1.400000e+001	-1.000000e-002	9.022998e-006	-1.000902e-002
14	1.500000e+001	3.000000e-002	3.367291e-006	2.999663e-002
15	1.600000e+001	7.000000e-002	1.256639e-006	6.999874e-002
16	1.700000e+001	6.000000e-002	4.689649e-007	5.999953e-002
17	1.800000e+001	8.000000e-002	1.750129e-007	7.999982e-002



BR-08-JC Test 1, Manual Match

BR-08-JC Test 2, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 13 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 44.6 ft

Initial Displacement
Fixed Value = 7.06571 ft

Hydraulic Conductivity
Calculated Value = 0.00104182 ft/sec

Aquifer Thickness
Fixed Value = 300 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 4.83299

B
Calculated Value = 0.822699

C
Calculated Value = 4.81789

Linear Regression Slope
Fixed Value = -0.753206 ft/sec

Linear Regression Intercept
Fixed Value = 7.06571 ft

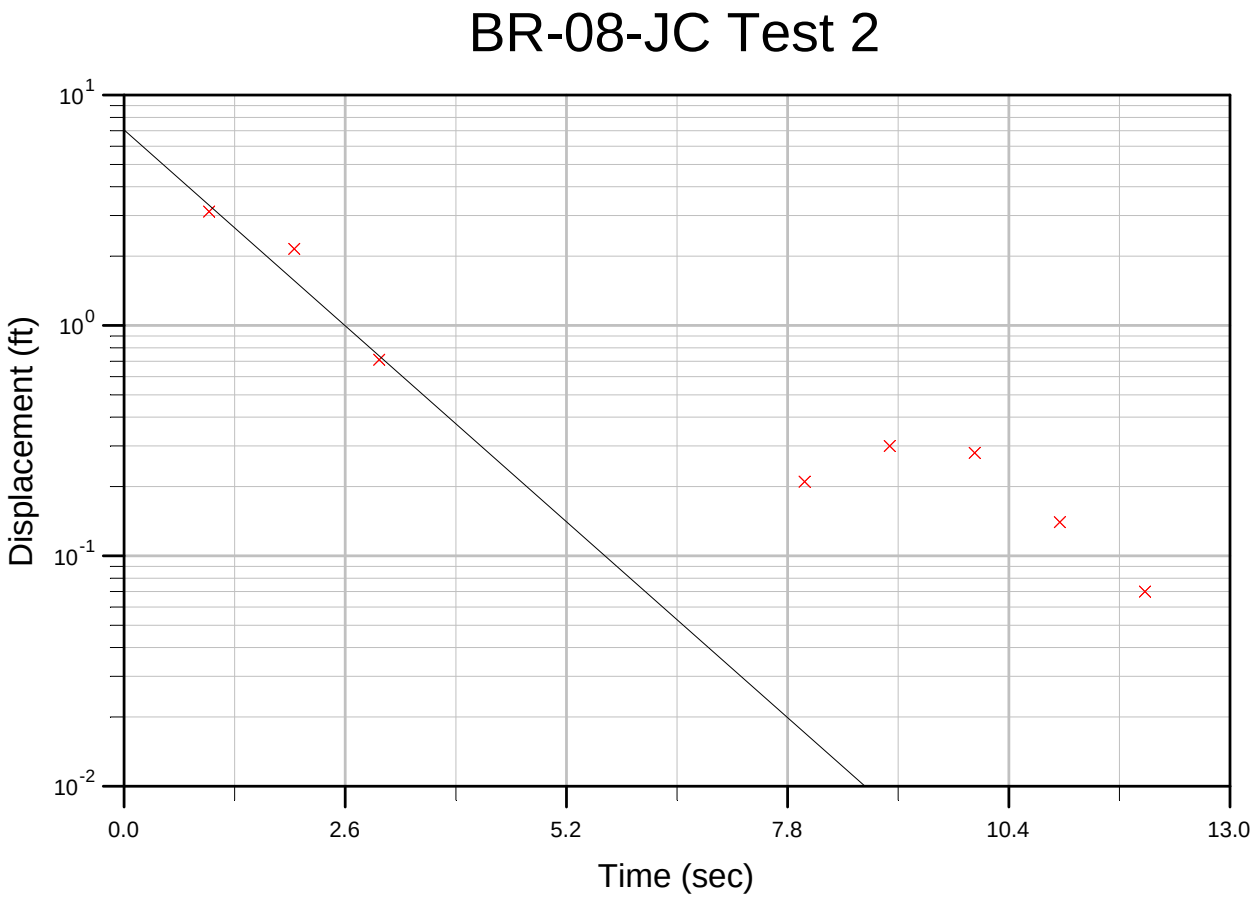
ANALYSIS STATISTICS

Regression Line
Slope: -0.753206 ft/sec
Intercept: 7.065711 ft

Residual Mean = -0.035923
Residual Standard Dev. = 0.348884
Residual Sum of Squares = 1.599135
Absolute Residual Mean = 0.274691
Minimum Residual = -0.663527
Maximum Residual = 0.583503

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	3.120000e+000	3.326923e+000	-2.069226e-001
1	2.000000e+000	2.150000e+000	1.566497e+000	5.835032e-001
2	3.000000e+000	7.100000e-001	7.375922e-001	-2.759221e-002
3	4.000000e+000	-2.400000e-001	3.472987e-001	-5.872987e-001
4	5.000000e+000	-5.000000e-001	1.635272e-001	-6.635272e-001
5	6.000000e+000	-3.700000e-001	7.699752e-002	-4.469975e-001
6	7.000000e+000	-5.000000e-002	3.625464e-002	-8.625464e-002
7	8.000000e+000	2.100000e-001	1.707066e-002	1.929293e-001
8	9.000000e+000	3.000000e-001	8.037800e-003	2.919622e-001
9	1.000000e+001	2.800000e-001	3.784635e-003	2.762154e-001
10	1.100000e+001	1.400000e-001	1.782013e-003	1.382180e-001
11	1.200000e+001	7.000000e-002	8.390689e-004	6.916093e-002
12	1.300000e+001	0.000000e+000	3.950794e-004	-3.950794e-004



BR-08-JC Test 2, Manual Match

BR-08-OB Test 1, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 4 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.583333 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 13.4 ft

Initial Displacement
Fixed Value = 1.01287 ft

Hydraulic Conductivity
Calculated Value = 0.00123206 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

```
          Calculated Value             = 0.166667 ft

     Effective Screen Inner Diameter
          Calculated Value             = 0.166667 ft

     A
          Calculated Value             = 4.83299

     B
          Calculated Value             = 0.822699

     C
          Calculated Value             = 4.81789

     Linear Regression Slope
          Fixed Value                  = -0.981203 ft/sec

     Linear Regression Intercept
          Fixed Value                  = 1.01287 ft


 ANALYSIS STATISTICS

     Regression Line
                 Slope:       -0.981203 ft/sec
                 Intercept:    1.012871 ft

     Residual Mean           =  0.022941
     Residual Standard Dev.  =  0.081152
     Residual Sum of Squares =  0.028448
     Absolute Residual Mean  =  0.058947
     Minimum Residual        = -0.059685
     Maximum Residual        =  0.157129


 DATA DETAIL

Index  Time              Obs. Displacement   Calc. Displacement  Residual
       (sec)             (ft)                (ft)

  0    0.000000e+000     1.170000e+000       1.012871e+000        1.571289e-001
  1    1.000000e+000     3.200000e-001       3.796847e-001       -5.968473e-002
  2    2.000000e+000     1.300000e-001       1.423286e-001       -1.232857e-002
  3    3.000000e+000     6.000000e-002       5.335327e-002        6.646730e-003
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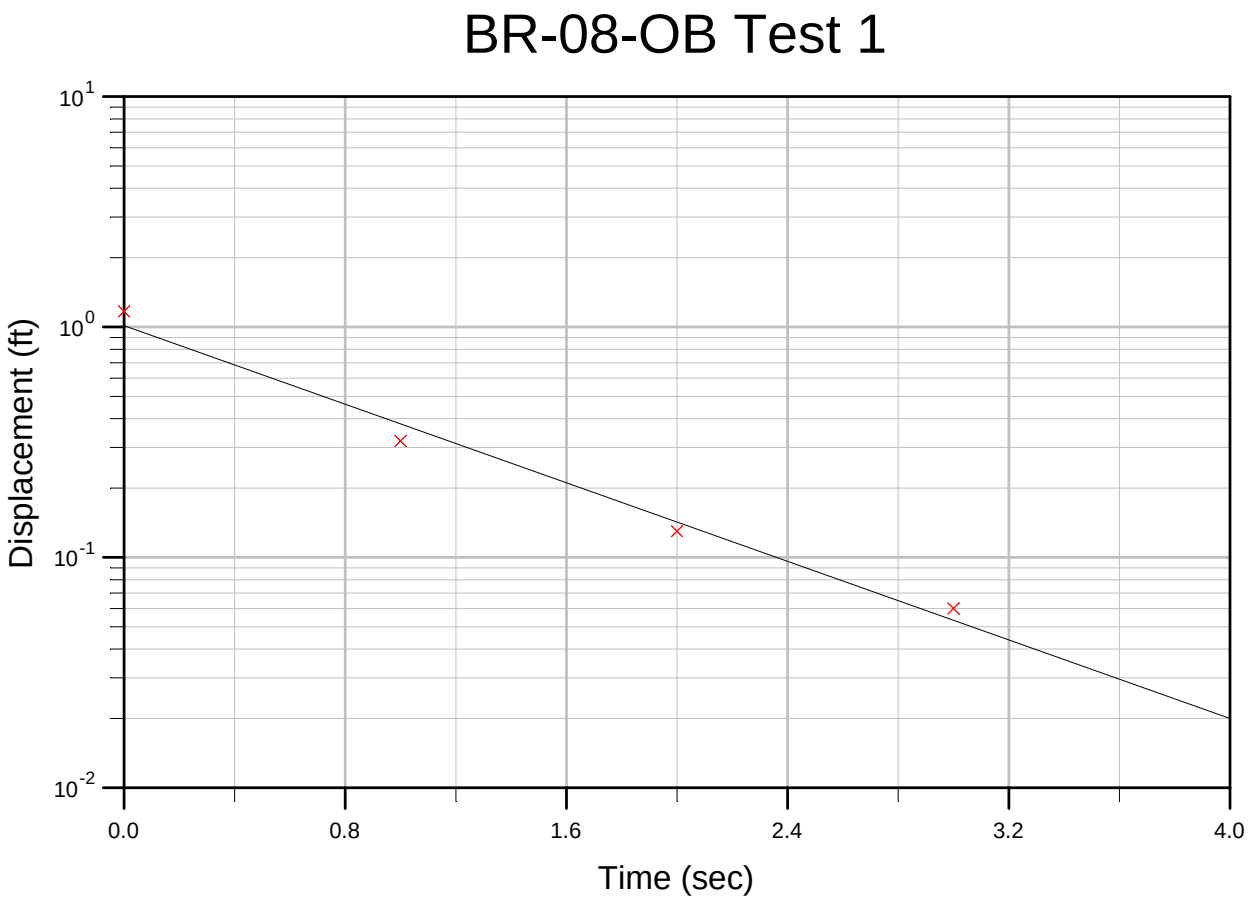


BR-08-OB Test 1, Optimized Match

BR-08-OB Test 2, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 5 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.583333 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 13.4 ft

Initial Displacement
Fixed Value = 2.96939 ft

Hydraulic Conductivity
Calculated Value = 0.00105821 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

```
          Calculated Value             = 0.166667 ft

     Effective Screen Inner Diameter
          Calculated Value             = 0.166667 ft

     A
          Calculated Value             = 4.83299

     B
          Calculated Value             = 0.822699

     C
          Calculated Value             = 4.81789

     Linear Regression Slope
          Fixed Value                  = -0.842755 ft/sec

     Linear Regression Intercept
          Fixed Value                  = 2.96939 ft

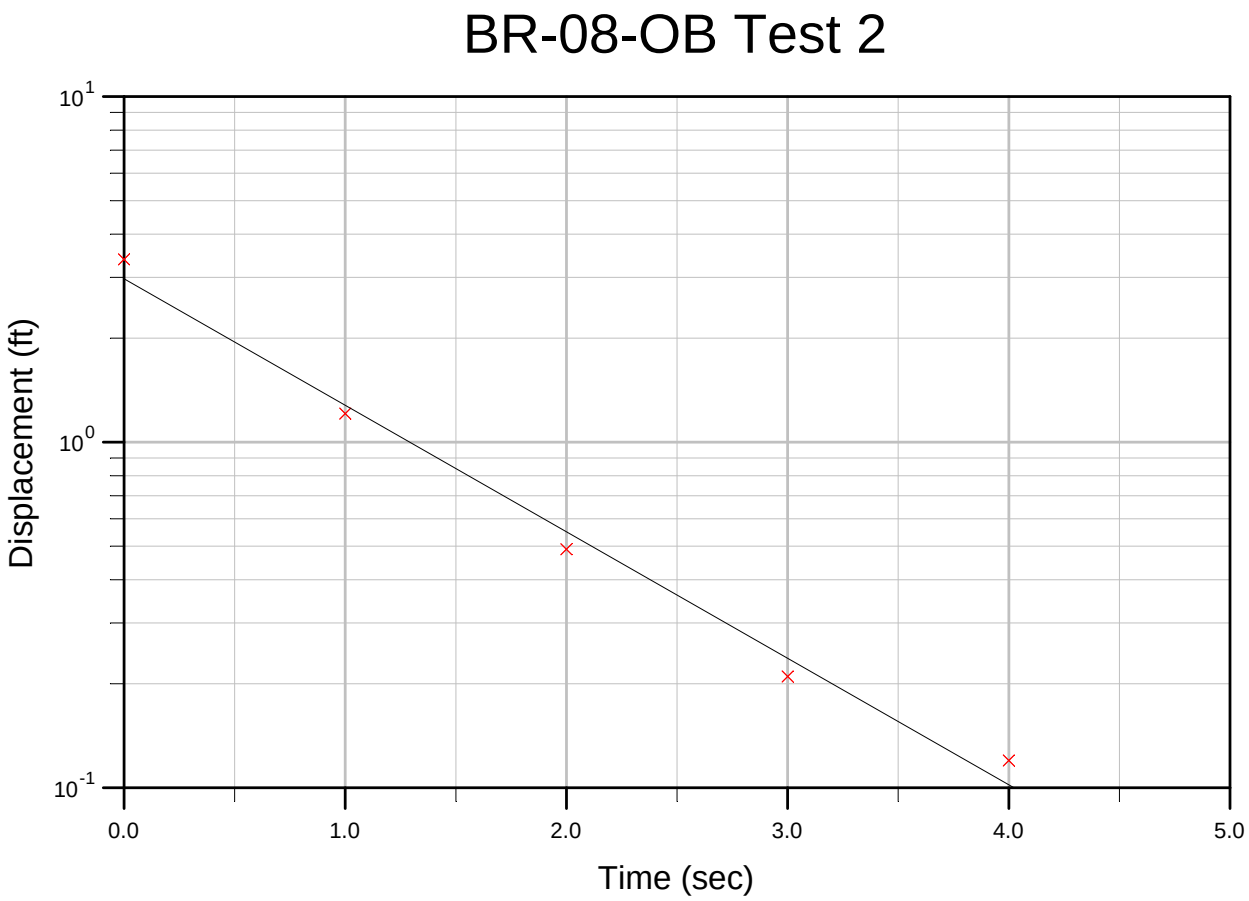

 ANALYSIS STATISTICS

     Regression Line
                 Slope:       -0.842755 ft/sec
                 Intercept:    2.969389 ft

     Residual Mean           =  0.054576
     Residual Standard Dev.  =  0.180599
     Residual Sum of Squares =  0.177974
     Absolute Residual Mean  =  0.116863
     Minimum Residual        = -0.068390
     Maximum Residual        =  0.410611


 DATA DETAIL
```

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	0.000000e+000	3.380000e+000	2.969389e+000	4.106107e-001
1	1.000000e+000	1.210000e+000	1.278390e+000	-6.839021e-002
2	2.000000e+000	4.900000e-001	5.503763e-001	-6.037632e-002
3	3.000000e+000	2.100000e-001	2.369496e-001	-2.694963e-002
4	4.000000e+000	1.200000e-001	1.020123e-001	1.798775e-002



BR-08-OB Test 2, Optimized Match

BR-08-RB Test 1, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 93 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 113 ft

Initial Displacement
Fixed Value = 2.24905 ft

Hydraulic Conductivity
Calculated Value = 3.24771e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 8.03839

B
Calculated Value = 2.1132

C
Calculated Value = 10.4959

Linear Regression Slope
Fixed Value = -0.0709073 ft/sec

Linear Regression Intercept
Fixed Value = 2.24905 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.070907 ft/sec
Intercept: 2.249055 ft

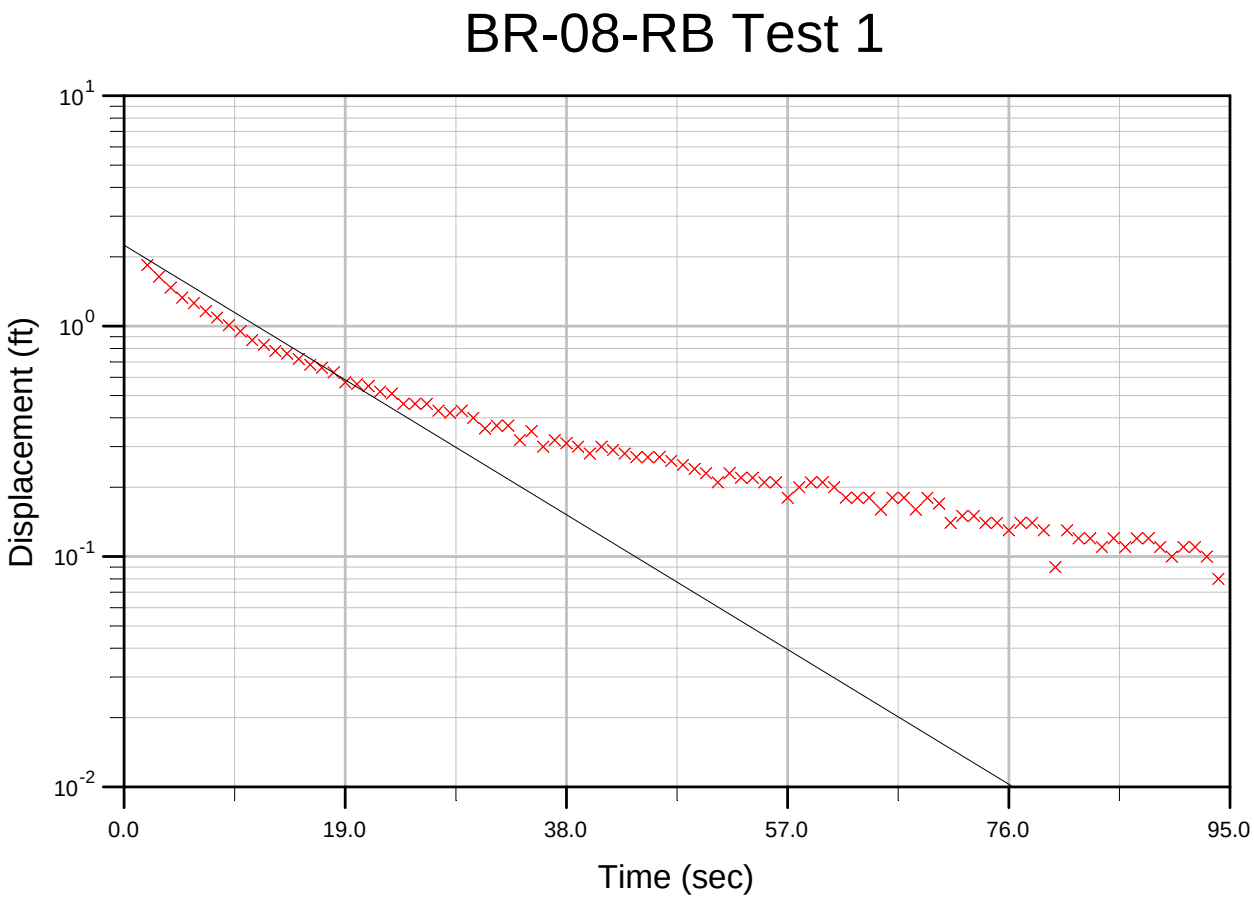
Residual Mean = 0.082764
Residual Standard Dev. = 0.113458
Residual Sum of Squares = 1.834210
Absolute Residual Mean = 0.132394
Minimum Residual = -0.247709
Maximum Residual = 0.183812

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	1.840000e+000	1.951690e+000	-1.116895e-001
1	3.000000e+000	1.640000e+000	1.818093e+000	-1.780930e-001
2	4.000000e+000	1.470000e+000	1.693641e+000	-2.236414e-001
3	5.000000e+000	1.330000e+000	1.577709e+000	-2.477087e-001
4	6.000000e+000	1.260000e+000	1.469712e+000	-2.097119e-001
5	7.000000e+000	1.160000e+000	1.369108e+000	-2.091075e-001
6	8.000000e+000	1.090000e+000	1.275390e+000	-1.853898e-001
7	9.000000e+000	1.010000e+000	1.188087e+000	-1.780871e-001
8	1.000000e+001	9.500000e-001	1.106761e+000	-1.567605e-001
9	1.100000e+001	8.700000e-001	1.031001e+000	-1.610009e-001
10	1.200000e+001	8.300000e-001	9.604271e-001	-1.304271e-001
11	1.300000e+001	7.800000e-001	8.946842e-001	-1.146842e-001
12	1.400000e+001	7.600000e-001	8.334415e-001	-7.344151e-002
13	1.500000e+001	7.200000e-001	7.763910e-001	-5.639101e-002
14	1.600000e+001	6.800000e-001	7.232457e-001	-4.324570e-002
15	1.700000e+001	6.600000e-001	6.737383e-001	-1.373829e-002
16	1.800000e+001	6.300000e-001	6.276197e-001	2.380260e-003

17	1.900000e+001	5.700000e-001	5.846581e-001	-1.465809e-002
18	2.000000e+001	5.600000e-001	5.446372e-001	1.536277e-002
19	2.100000e+001	5.500000e-001	5.073559e-001	4.264413e-002
20	2.200000e+001	5.200000e-001	4.726265e-001	4.737351e-002
21	2.300000e+001	5.100000e-001	4.402744e-001	6.972561e-002
22	2.400000e+001	4.600000e-001	4.101369e-001	4.986315e-002
23	2.500000e+001	4.600000e-001	3.820623e-001	7.793772e-002
24	2.600000e+001	4.600000e-001	3.559095e-001	1.040905e-001
25	2.700000e+001	4.300000e-001	3.315468e-001	9.845316e-002
26	2.800000e+001	4.200000e-001	3.088519e-001	1.111481e-001
27	2.900000e+001	4.300000e-001	2.877104e-001	1.422896e-001
28	3.000000e+001	4.000000e-001	2.680162e-001	1.319838e-001
29	3.100000e+001	3.600000e-001	2.496700e-001	1.103300e-001
30	3.200000e+001	3.700000e-001	2.325797e-001	1.374203e-001
31	3.300000e+001	3.700000e-001	2.166592e-001	1.533408e-001
32	3.400000e+001	3.200000e-001	2.018285e-001	1.181715e-001
33	3.500000e+001	3.500000e-001	1.880130e-001	1.619870e-001
34	3.600000e+001	3.000000e-001	1.751432e-001	1.248568e-001
35	3.700000e+001	3.200000e-001	1.631543e-001	1.568457e-001
36	3.800000e+001	3.100000e-001	1.519861e-001	1.580139e-001
37	3.900000e+001	3.000000e-001	1.415824e-001	1.584176e-001
38	4.000000e+001	2.800000e-001	1.318908e-001	1.481092e-001
39	4.100000e+001	3.000000e-001	1.228627e-001	1.771373e-001
40	4.200000e+001	2.900000e-001	1.144525e-001	1.755475e-001
41	4.300000e+001	2.800000e-001	1.066181e-001	1.733819e-001
42	4.400000e+001	2.700000e-001	9.931986e-002	1.706801e-001
43	4.500000e+001	2.700000e-001	9.252125e-002	1.774788e-001
44	4.600000e+001	2.700000e-001	8.618801e-002	1.838120e-001
45	4.700000e+001	2.600000e-001	8.028829e-002	1.797117e-001
46	4.800000e+001	2.500000e-001	7.479242e-002	1.752076e-001
47	4.900000e+001	2.400000e-001	6.967275e-002	1.703273e-001
48	5.000000e+001	2.300000e-001	6.490353e-002	1.650965e-001
49	5.100000e+001	2.100000e-001	6.046077e-002	1.495392e-001
50	5.200000e+001	2.300000e-001	5.632213e-002	1.736779e-001
51	5.300000e+001	2.200000e-001	5.246678e-002	1.675332e-001
52	5.400000e+001	2.200000e-001	4.887534e-002	1.711247e-001
53	5.500000e+001	2.100000e-001	4.552974e-002	1.644703e-001
54	5.600000e+001	2.100000e-001	4.241315e-002	1.675869e-001
55	5.700000e+001	1.800000e-001	3.950990e-002	1.404901e-001
56	5.800000e+001	2.000000e-001	3.680538e-002	1.631946e-001
57	5.900000e+001	2.100000e-001	3.428598e-002	1.757140e-001
58	6.000000e+001	2.100000e-001	3.193905e-002	1.780610e-001
59	6.100000e+001	2.000000e-001	2.975277e-002	1.702472e-001
60	6.200000e+001	1.800000e-001	2.771614e-002	1.522839e-001
61	6.300000e+001	1.800000e-001	2.581892e-002	1.541811e-001
62	6.400000e+001	1.800000e-001	2.405157e-002	1.559484e-001
63	6.500000e+001	1.600000e-001	2.240520e-002	1.375948e-001
64	6.600000e+001	1.800000e-001	2.087152e-002	1.591285e-001
65	6.700000e+001	1.800000e-001	1.944283e-002	1.605572e-001
66	6.800000e+001	1.600000e-001	1.811194e-002	1.418881e-001
67	6.900000e+001	1.800000e-001	1.687214e-002	1.631279e-001
68	7.000000e+001	1.700000e-001	1.571722e-002	1.542828e-001
69	7.100000e+001	1.400000e-001	1.464135e-002	1.253587e-001
70	7.200000e+001	1.500000e-001	1.363912e-002	1.363609e-001
71	7.300000e+001	1.500000e-001	1.270550e-002	1.372945e-001
72	7.400000e+001	1.400000e-001	1.183579e-002	1.281642e-001
73	7.500000e+001	1.400000e-001	1.102561e-002	1.289744e-001

74	7.600000e+001	1.300000e-001	1.027088e-002	1.197291e-001
75	7.700000e+001	1.400000e-001	9.567825e-003	1.304322e-001
76	7.800000e+001	1.400000e-001	8.912891e-003	1.310871e-001
77	7.900000e+001	1.300000e-001	8.302788e-003	1.216972e-001
78	8.000000e+001	9.000000e-002	7.734448e-003	8.226555e-002
79	8.100000e+001	1.300000e-001	7.205011e-003	1.227950e-001
80	8.200000e+001	1.200000e-001	6.711816e-003	1.132882e-001
81	8.300000e+001	1.200000e-001	6.252381e-003	1.137476e-001
82	8.400000e+001	1.100000e-001	5.824394e-003	1.041756e-001
83	8.500000e+001	1.200000e-001	5.425705e-003	1.145743e-001
84	8.600000e+001	1.100000e-001	5.054306e-003	1.049457e-001
85	8.700000e+001	1.200000e-001	4.708330e-003	1.152917e-001
86	8.800000e+001	1.200000e-001	4.386036e-003	1.156140e-001
87	8.900000e+001	1.100000e-001	4.085805e-003	1.059142e-001
88	9.000000e+001	1.000000e-001	3.806124e-003	9.619388e-002
89	9.100000e+001	1.100000e-001	3.545589e-003	1.064544e-001
90	9.200000e+001	1.100000e-001	3.302887e-003	1.066971e-001
91	9.300000e+001	1.000000e-001	3.076799e-003	9.692320e-002
92	9.400000e+001	8.000000e-002	2.866186e-003	7.713381e-002



BR-08-RB Test 1, Manual Match

BR-08-RB Test 1, Optimized Fit

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 93 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 113 ft

Initial Displacement
Fixed Value = 1.0604 ft

Hydraulic Conductivity
Calculated Value = 1.2611e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 8.03839

B
Calculated Value = 2.1132

C
Calculated Value = 10.4959

Linear Regression Slope
Fixed Value = -0.0275336 ft/sec

Linear Regression Intercept
Fixed Value = 1.0604 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.027534 ft/sec
Intercept: 1.060399 ft

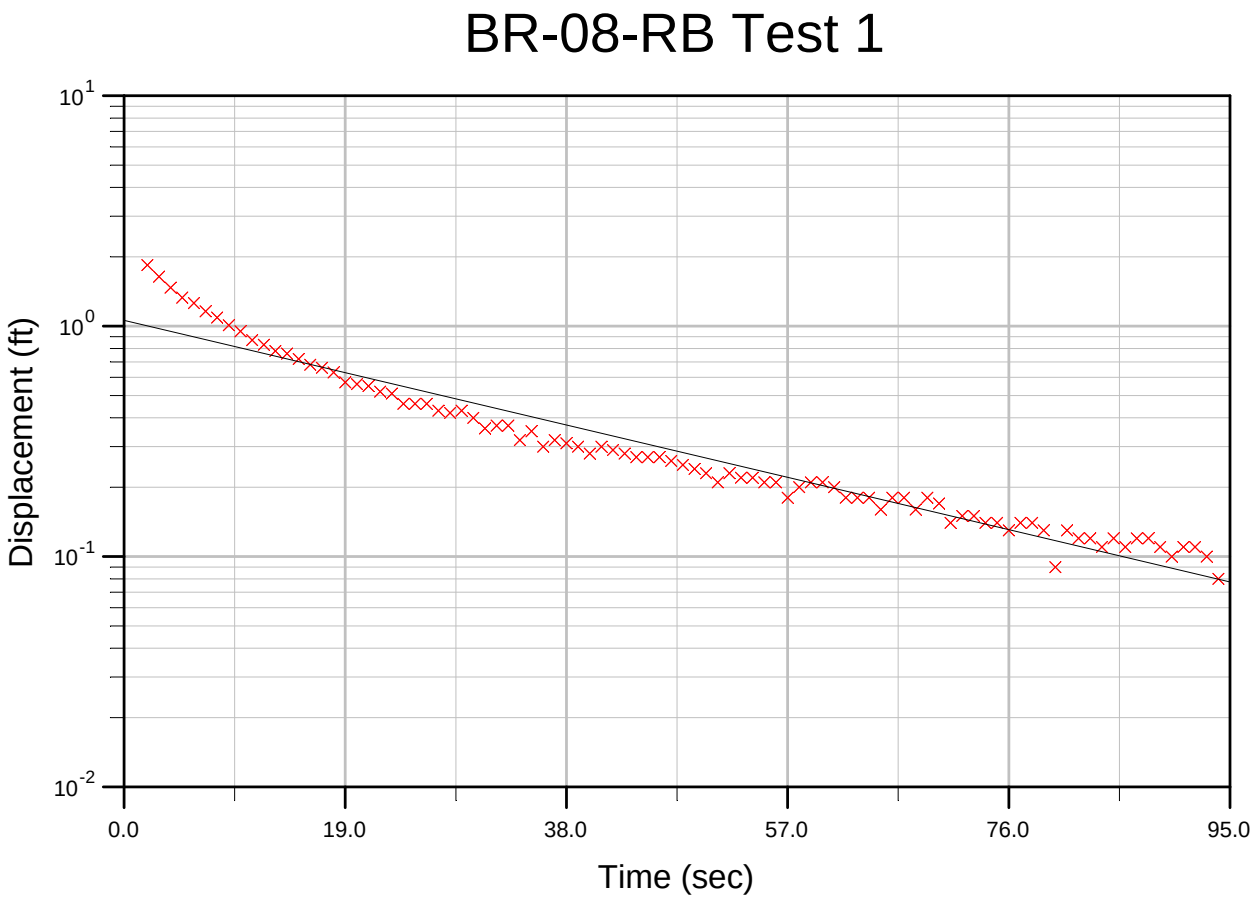
Residual Mean = 0.022273
Residual Standard Dev. = 0.146611
Residual Sum of Squares = 2.045156
Absolute Residual Mean = 0.068736
Minimum Residual = -0.095822
Maximum Residual = 0.836415

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	1.840000e+000	1.003585e+000	8.364152e-001
1	3.000000e+000	1.640000e+000	9.763294e-001	6.636706e-001
2	4.000000e+000	1.470000e+000	9.498143e-001	5.201857e-001
3	5.000000e+000	1.330000e+000	9.240192e-001	4.059808e-001
4	6.000000e+000	1.260000e+000	8.989247e-001	3.610753e-001
5	7.000000e+000	1.160000e+000	8.745117e-001	2.854883e-001
6	8.000000e+000	1.090000e+000	8.507617e-001	2.392383e-001
7	9.000000e+000	1.010000e+000	8.276567e-001	1.823433e-001
8	1.000000e+001	9.500000e-001	8.051792e-001	1.448208e-001
9	1.100000e+001	8.700000e-001	7.833121e-001	8.668789e-002
10	1.200000e+001	8.300000e-001	7.620389e-001	6.796109e-002
11	1.300000e+001	7.800000e-001	7.413435e-001	3.865655e-002
12	1.400000e+001	7.600000e-001	7.212100e-001	3.878996e-002
13	1.500000e+001	7.200000e-001	7.016234e-001	1.837659e-002
14	1.600000e+001	6.800000e-001	6.825687e-001	-2.568713e-003
15	1.700000e+001	6.600000e-001	6.640315e-001	-4.031505e-003
16	1.800000e+001	6.300000e-001	6.459977e-001	-1.599773e-002

17	1.900000e+001	5.700000e-001	6.284537e-001	-5.845372e-002
18	2.000000e+001	5.600000e-001	6.113862e-001	-5.138616e-002
19	2.100000e+001	5.500000e-001	5.947821e-001	-4.478213e-002
20	2.200000e+001	5.200000e-001	5.786290e-001	-5.862903e-002
21	2.300000e+001	5.100000e-001	5.629146e-001	-5.291462e-002
22	2.400000e+001	4.600000e-001	5.476270e-001	-8.762698e-002
23	2.500000e+001	4.600000e-001	5.327545e-001	-7.275452e-002
24	2.600000e+001	4.600000e-001	5.182860e-001	-5.828597e-002
25	2.700000e+001	4.300000e-001	5.042103e-001	-7.421035e-002
26	2.800000e+001	4.200000e-001	4.905170e-001	-7.051700e-002
27	2.900000e+001	4.300000e-001	4.771955e-001	-4.719553e-002
28	3.000000e+001	4.000000e-001	4.642359e-001	-6.423585e-002
29	3.100000e+001	3.600000e-001	4.516281e-001	-9.162813e-002
30	3.200000e+001	3.700000e-001	4.393628e-001	-6.936281e-002
31	3.300000e+001	3.700000e-001	4.274306e-001	-5.743059e-002
32	3.400000e+001	3.200000e-001	4.158224e-001	-9.582242e-002
33	3.500000e+001	3.500000e-001	4.045295e-001	-5.452951e-002
34	3.600000e+001	3.000000e-001	3.935433e-001	-9.354330e-002
35	3.700000e+001	3.200000e-001	3.828554e-001	-6.285544e-002
36	3.800000e+001	3.100000e-001	3.724579e-001	-6.245785e-002
37	3.900000e+001	3.000000e-001	3.623426e-001	-6.234264e-002
38	4.000000e+001	2.800000e-001	3.525021e-001	-7.250213e-002
39	4.100000e+001	3.000000e-001	3.429289e-001	-4.292888e-002
40	4.200000e+001	2.900000e-001	3.336156e-001	-4.361561e-002
41	4.300000e+001	2.800000e-001	3.245553e-001	-4.455527e-002
42	4.400000e+001	2.700000e-001	3.157410e-001	-4.574100e-002
43	4.500000e+001	2.700000e-001	3.071661e-001	-3.716610e-002
44	4.600000e+001	2.700000e-001	2.988241e-001	-2.882408e-002
45	4.700000e+001	2.600000e-001	2.907086e-001	-3.070861e-002
46	4.800000e+001	2.500000e-001	2.828135e-001	-3.281354e-002
47	4.900000e+001	2.400000e-001	2.751329e-001	-3.513289e-002
48	5.000000e+001	2.300000e-001	2.676608e-001	-3.766083e-002
49	5.100000e+001	2.100000e-001	2.603917e-001	-5.039169e-002
50	5.200000e+001	2.300000e-001	2.533200e-001	-2.331997e-002
51	5.300000e+001	2.200000e-001	2.464403e-001	-2.644031e-002
52	5.400000e+001	2.200000e-001	2.397475e-001	-1.974748e-002
53	5.500000e+001	2.100000e-001	2.332364e-001	-2.323641e-002
54	5.600000e+001	2.100000e-001	2.269022e-001	-1.690218e-002
55	5.700000e+001	1.800000e-001	2.207400e-001	-4.073996e-002
56	5.800000e+001	2.000000e-001	2.147451e-001	-1.474511e-002
57	5.900000e+001	2.100000e-001	2.089131e-001	1.086943e-003
58	6.000000e+001	2.100000e-001	2.032394e-001	6.760607e-003
59	6.100000e+001	2.000000e-001	1.977198e-001	2.280184e-003
60	6.200000e+001	1.800000e-001	1.923501e-001	-1.235014e-002
61	6.300000e+001	1.800000e-001	1.871263e-001	-7.126292e-003
62	6.400000e+001	1.800000e-001	1.820443e-001	-2.044314e-003
63	6.500000e+001	1.600000e-001	1.771004e-001	-1.710035e-002
64	6.600000e+001	1.800000e-001	1.722907e-001	7.709341e-003
65	6.700000e+001	1.800000e-001	1.676116e-001	1.238841e-002
66	6.800000e+001	1.600000e-001	1.630596e-001	-3.059590e-003
67	6.900000e+001	1.800000e-001	1.586312e-001	2.136878e-002
68	7.000000e+001	1.700000e-001	1.543231e-001	1.567689e-002
69	7.100000e+001	1.400000e-001	1.501320e-001	-1.013200e-002
70	7.200000e+001	1.500000e-001	1.460547e-001	3.945287e-003
71	7.300000e+001	1.500000e-001	1.420882e-001	7.911843e-003
72	7.400000e+001	1.400000e-001	1.382293e-001	1.770674e-003
73	7.500000e+001	1.400000e-001	1.344753e-001	5.524708e-003

74	7.600000e+001	1.300000e-001	1.308232e-001	-8.232108e-004
75	7.700000e+001	1.400000e-001	1.272703e-001	1.272969e-002
76	7.800000e+001	1.400000e-001	1.238139e-001	1.618610e-002
77	7.900000e+001	1.300000e-001	1.204514e-001	9.548635e-003
78	8.000000e+001	9.000000e-002	1.171801e-001	-2.718015e-002
79	8.100000e+001	1.300000e-001	1.139978e-001	1.600223e-002
80	8.200000e+001	1.200000e-001	1.109018e-001	9.098187e-003
81	8.300000e+001	1.200000e-001	1.078899e-001	1.211006e-002
82	8.400000e+001	1.100000e-001	1.049599e-001	5.040136e-003
83	8.500000e+001	1.200000e-001	1.021094e-001	1.789064e-002
84	8.600000e+001	1.100000e-001	9.933628e-002	1.066372e-002
85	8.700000e+001	1.200000e-001	9.663850e-002	2.336150e-002
86	8.800000e+001	1.200000e-001	9.401399e-002	2.598601e-002
87	8.900000e+001	1.100000e-001	9.146076e-002	1.853924e-002
88	9.000000e+001	1.000000e-001	8.897687e-002	1.102313e-002
89	9.100000e+001	1.100000e-001	8.656043e-002	2.343957e-002
90	9.200000e+001	1.100000e-001	8.420962e-002	2.579038e-002
91	9.300000e+001	1.000000e-001	8.192266e-002	1.807734e-002
92	9.400000e+001	8.000000e-002	7.969780e-002	3.022003e-004



BR-08-RB Test 1, Optimized Fit

BR-08-RB Test 2 Manual Curve Fit

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 124 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 113 ft

Initial Displacement
Fixed Value = 2.24905 ft

Hydraulic Conductivity
Calculated Value = 3.12155e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 8.03839

B
Calculated Value = 2.1132

C
Calculated Value = 10.4959

Linear Regression Slope
Fixed Value = -0.0681528 ft/sec

Linear Regression Intercept
Fixed Value = 2.24905 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.068153 ft/sec
Intercept: 2.249055 ft

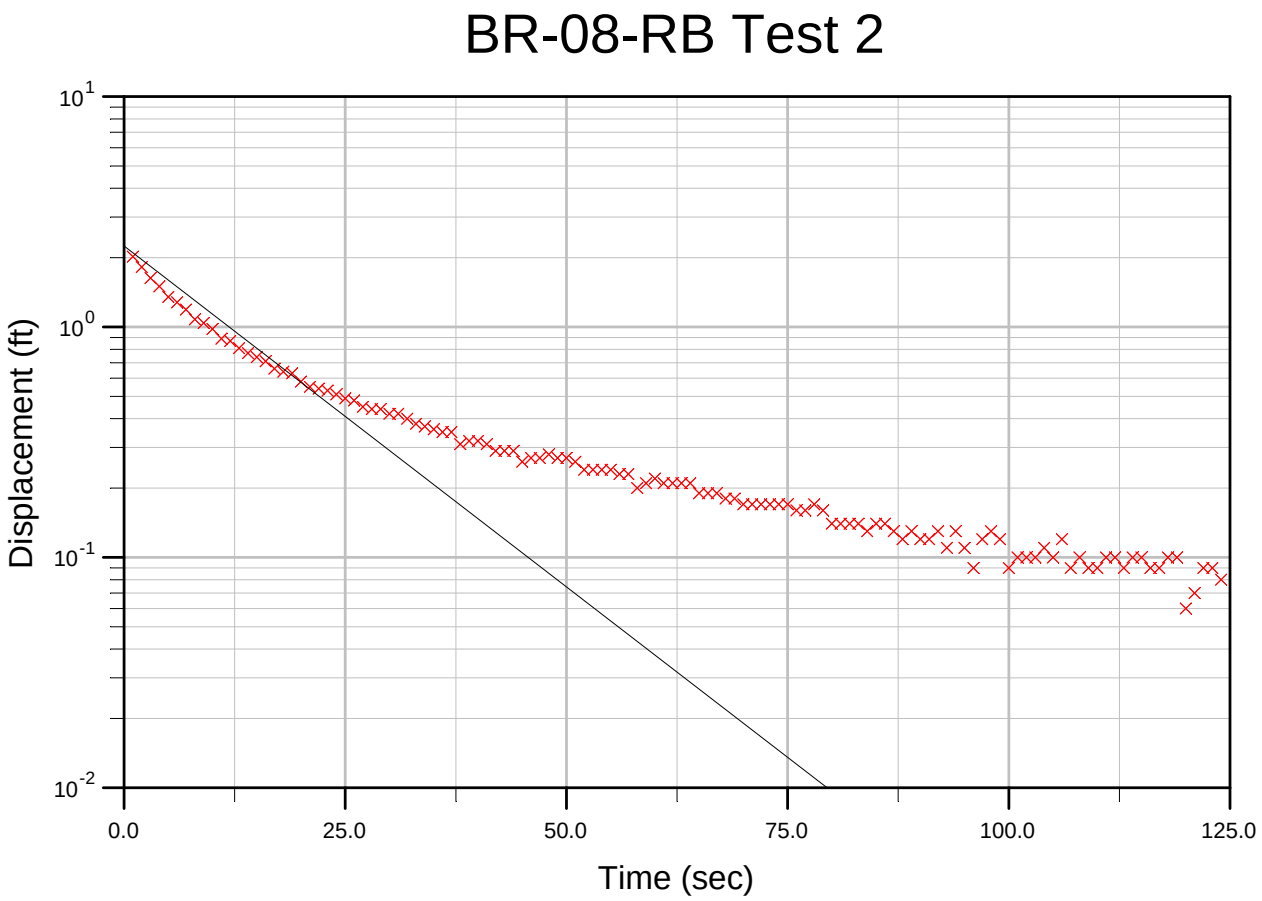
Residual Mean = 0.090068
Residual Standard Dev. = 0.106302
Residual Sum of Squares = 2.407116
Absolute Residual Mean = 0.131315
Minimum Residual = -0.249588
Maximum Residual = 0.195513

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	2.020000e+000	2.100882e+000	-8.088182e-002
1	2.000000e+000	1.820000e+000	1.962471e+000	-1.424710e-001
2	3.000000e+000	1.630000e+000	1.833179e+000	-2.031790e-001
3	4.000000e+000	1.500000e+000	1.712405e+000	-2.124050e-001
4	5.000000e+000	1.350000e+000	1.599588e+000	-2.495879e-001
5	6.000000e+000	1.280000e+000	1.494203e+000	-2.142035e-001
6	7.000000e+000	1.190000e+000	1.395762e+000	-2.057620e-001
7	8.000000e+000	1.080000e+000	1.303806e+000	-2.238060e-001
8	9.000000e+000	1.040000e+000	1.217908e+000	-1.779083e-001
9	1.000000e+001	9.800000e-001	1.137670e+000	-1.576698e-001
10	1.100000e+001	8.900000e-001	1.062718e+000	-1.727175e-001
11	1.200000e+001	8.700000e-001	9.927033e-001	-1.227033e-001
12	1.300000e+001	8.100000e-001	9.273018e-001	-1.173018e-001
13	1.400000e+001	7.700000e-001	8.662091e-001	-9.620905e-002
14	1.500000e+001	7.400000e-001	8.091412e-001	-6.914125e-002
15	1.600000e+001	7.100000e-001	7.558332e-001	-4.583320e-002
16	1.700000e+001	6.600000e-001	7.060372e-001	-4.603720e-002

17	1.800000e+001	6.400000e-001	6.595219e-001	-1.952188e-002
18	1.900000e+001	6.300000e-001	6.160711e-001	1.392891e-002
19	2.000000e+001	5.800000e-001	5.754829e-001	4.517059e-003
20	2.100000e+001	5.500000e-001	5.375688e-001	1.243117e-002
21	2.200000e+001	5.400000e-001	5.021526e-001	3.784742e-002
22	2.300000e+001	5.300000e-001	4.690696e-001	6.093036e-002
23	2.400000e+001	5.100000e-001	4.381663e-001	7.183373e-002
24	2.500000e+001	4.900000e-001	4.092989e-001	8.070111e-002
25	2.600000e+001	4.800000e-001	3.823334e-001	9.766664e-002
26	2.700000e+001	4.500000e-001	3.571444e-001	9.285563e-002
27	2.800000e+001	4.400000e-001	3.336149e-001	1.063851e-001
28	2.900000e+001	4.400000e-001	3.116356e-001	1.283644e-001
29	3.000000e+001	4.200000e-001	2.911043e-001	1.288957e-001
30	3.100000e+001	4.200000e-001	2.719257e-001	1.480743e-001
31	3.200000e+001	4.000000e-001	2.540107e-001	1.459893e-001
32	3.300000e+001	3.800000e-001	2.372759e-001	1.427241e-001
33	3.400000e+001	3.700000e-001	2.216436e-001	1.483564e-001
34	3.500000e+001	3.600000e-001	2.070412e-001	1.529588e-001
35	3.600000e+001	3.500000e-001	1.934009e-001	1.565991e-001
36	3.700000e+001	3.500000e-001	1.806592e-001	1.693408e-001
37	3.800000e+001	3.100000e-001	1.687569e-001	1.412431e-001
38	3.900000e+001	3.200000e-001	1.576389e-001	1.623611e-001
39	4.000000e+001	3.200000e-001	1.472533e-001	1.727467e-001
40	4.100000e+001	3.100000e-001	1.375519e-001	1.724481e-001
41	4.200000e+001	2.900000e-001	1.284897e-001	1.615103e-001
42	4.300000e+001	2.900000e-001	1.200245e-001	1.699755e-001
43	4.400000e+001	2.900000e-001	1.121170e-001	1.778830e-001
44	4.500000e+001	2.600000e-001	1.047305e-001	1.552695e-001
45	4.600000e+001	2.700000e-001	9.783058e-002	1.721694e-001
46	4.700000e+001	2.700000e-001	9.138528e-002	1.786147e-001
47	4.800000e+001	2.800000e-001	8.536462e-002	1.946354e-001
48	4.900000e+001	2.700000e-001	7.974060e-002	1.902594e-001
49	5.000000e+001	2.700000e-001	7.448711e-002	1.955129e-001
50	5.100000e+001	2.600000e-001	6.957973e-002	1.904203e-001
51	5.200000e+001	2.400000e-001	6.499566e-002	1.750043e-001
52	5.300000e+001	2.400000e-001	6.071360e-002	1.792864e-001
53	5.400000e+001	2.400000e-001	5.671365e-002	1.832863e-001
54	5.500000e+001	2.400000e-001	5.297723e-002	1.870228e-001
55	5.600000e+001	2.300000e-001	4.948697e-002	1.805130e-001
56	5.700000e+001	2.300000e-001	4.622666e-002	1.837733e-001
57	5.800000e+001	2.000000e-001	4.318114e-002	1.568189e-001
58	5.900000e+001	2.100000e-001	4.033627e-002	1.696637e-001
59	6.000000e+001	2.200000e-001	3.767883e-002	1.823212e-001
60	6.100000e+001	2.100000e-001	3.519646e-002	1.748035e-001
61	6.200000e+001	2.100000e-001	3.287764e-002	1.771224e-001
62	6.300000e+001	2.100000e-001	3.071159e-002	1.792884e-001
63	6.400000e+001	2.100000e-001	2.868824e-002	1.813118e-001
64	6.500000e+001	1.900000e-001	2.679819e-002	1.632018e-001
65	6.600000e+001	1.900000e-001	2.503267e-002	1.649673e-001
66	6.700000e+001	1.900000e-001	2.338346e-002	1.666165e-001
67	6.800000e+001	1.800000e-001	2.184290e-002	1.581571e-001
68	6.900000e+001	1.800000e-001	2.040384e-002	1.595962e-001
69	7.000000e+001	1.700000e-001	1.905959e-002	1.509404e-001
70	7.100000e+001	1.700000e-001	1.780390e-002	1.521961e-001
71	7.200000e+001	1.700000e-001	1.663094e-002	1.533691e-001
72	7.300000e+001	1.700000e-001	1.553526e-002	1.544647e-001
73	7.400000e+001	1.700000e-001	1.451176e-002	1.554882e-001

74	7.500000e+001	1.700000e-001	1.355569e-002	1.564443e-001
75	7.600000e+001	1.600000e-001	1.266261e-002	1.473374e-001
76	7.700000e+001	1.600000e-001	1.182837e-002	1.481716e-001
77	7.800000e+001	1.700000e-001	1.104909e-002	1.589509e-001
78	7.900000e+001	1.600000e-001	1.032115e-002	1.496788e-001
79	8.000000e+001	1.400000e-001	9.641172e-003	1.303588e-001
80	8.100000e+001	1.400000e-001	9.005990e-003	1.309940e-001
81	8.200000e+001	1.400000e-001	8.412655e-003	1.315873e-001
82	8.300000e+001	1.400000e-001	7.858410e-003	1.321416e-001
83	8.400000e+001	1.300000e-001	7.340680e-003	1.226593e-001
84	8.500000e+001	1.400000e-001	6.857060e-003	1.331429e-001
85	8.600000e+001	1.400000e-001	6.405301e-003	1.335947e-001
86	8.700000e+001	1.300000e-001	5.983305e-003	1.240167e-001
87	8.800000e+001	1.200000e-001	5.589112e-003	1.144109e-001
88	8.900000e+001	1.300000e-001	5.220889e-003	1.247791e-001
89	9.000000e+001	1.200000e-001	4.876925e-003	1.151231e-001
90	9.100000e+001	1.200000e-001	4.555622e-003	1.154444e-001
91	9.200000e+001	1.300000e-001	4.255487e-003	1.257445e-001
92	9.300000e+001	1.100000e-001	3.975126e-003	1.060249e-001
93	9.400000e+001	1.300000e-001	3.713236e-003	1.262868e-001
94	9.500000e+001	1.100000e-001	3.468600e-003	1.065314e-001
95	9.600000e+001	9.000000e-002	3.240080e-003	8.675992e-002
96	9.700000e+001	1.200000e-001	3.026617e-003	1.169734e-001
97	9.800000e+001	1.300000e-001	2.827216e-003	1.271728e-001
98	9.900000e+001	1.200000e-001	2.640953e-003	1.173590e-001
99	1.000000e+002	9.000000e-002	2.466961e-003	8.753304e-002
100	1.010000e+002	1.000000e-001	2.304432e-003	9.769557e-002
101	1.020000e+002	1.000000e-001	2.152611e-003	9.784739e-002
102	1.030000e+002	1.000000e-001	2.010792e-003	9.798921e-002
103	1.040000e+002	1.100000e-001	1.878316e-003	1.081217e-001
104	1.050000e+002	1.000000e-001	1.754569e-003	9.824543e-002
105	1.060000e+002	1.200000e-001	1.638974e-003	1.183610e-001
106	1.070000e+002	9.000000e-002	1.530995e-003	8.846901e-002
107	1.080000e+002	1.000000e-001	1.430129e-003	9.856987e-002
108	1.090000e+002	9.000000e-002	1.335909e-003	8.866409e-002
109	1.100000e+002	9.000000e-002	1.247896e-003	8.875210e-002
110	1.110000e+002	1.000000e-001	1.165682e-003	9.883432e-002
111	1.120000e+002	1.000000e-001	1.088884e-003	9.891112e-002
112	1.130000e+002	9.000000e-002	1.017146e-003	8.898285e-002
113	1.140000e+002	1.000000e-001	9.501343e-004	9.904987e-002
114	1.150000e+002	1.000000e-001	8.875373e-004	9.911246e-002
115	1.160000e+002	9.000000e-002	8.290643e-004	8.917094e-002
116	1.170000e+002	9.000000e-002	7.744437e-004	8.922556e-002
117	1.180000e+002	1.000000e-001	7.234216e-004	9.927658e-002
118	1.190000e+002	1.000000e-001	6.757610e-004	9.932424e-002
119	1.200000e+002	6.000000e-002	6.312403e-004	5.936876e-002
120	1.210000e+002	7.000000e-002	5.896528e-004	6.941035e-002
121	1.220000e+002	9.000000e-002	5.508051e-004	8.944919e-002
122	1.230000e+002	9.000000e-002	5.145168e-004	8.948548e-002
123	1.240000e+002	8.000000e-002	4.806193e-004	7.951938e-002



BR-08-RB Test 2 Manual Curve Fit

BR-08-RB Test 2 Optimized Fit

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 124 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 113 ft

Initial Displacement
Fixed Value = 0.939087 ft

Hydraulic Conductivity
Calculated Value = 1.00938e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 8.03839

B
Calculated Value = 2.1132

C
Calculated Value = 10.4959

Linear Regression Slope
Fixed Value = -0.0220379 ft/sec

Linear Regression Intercept
Fixed Value = 0.939087 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.022038 ft/sec
Intercept: 0.939087 ft

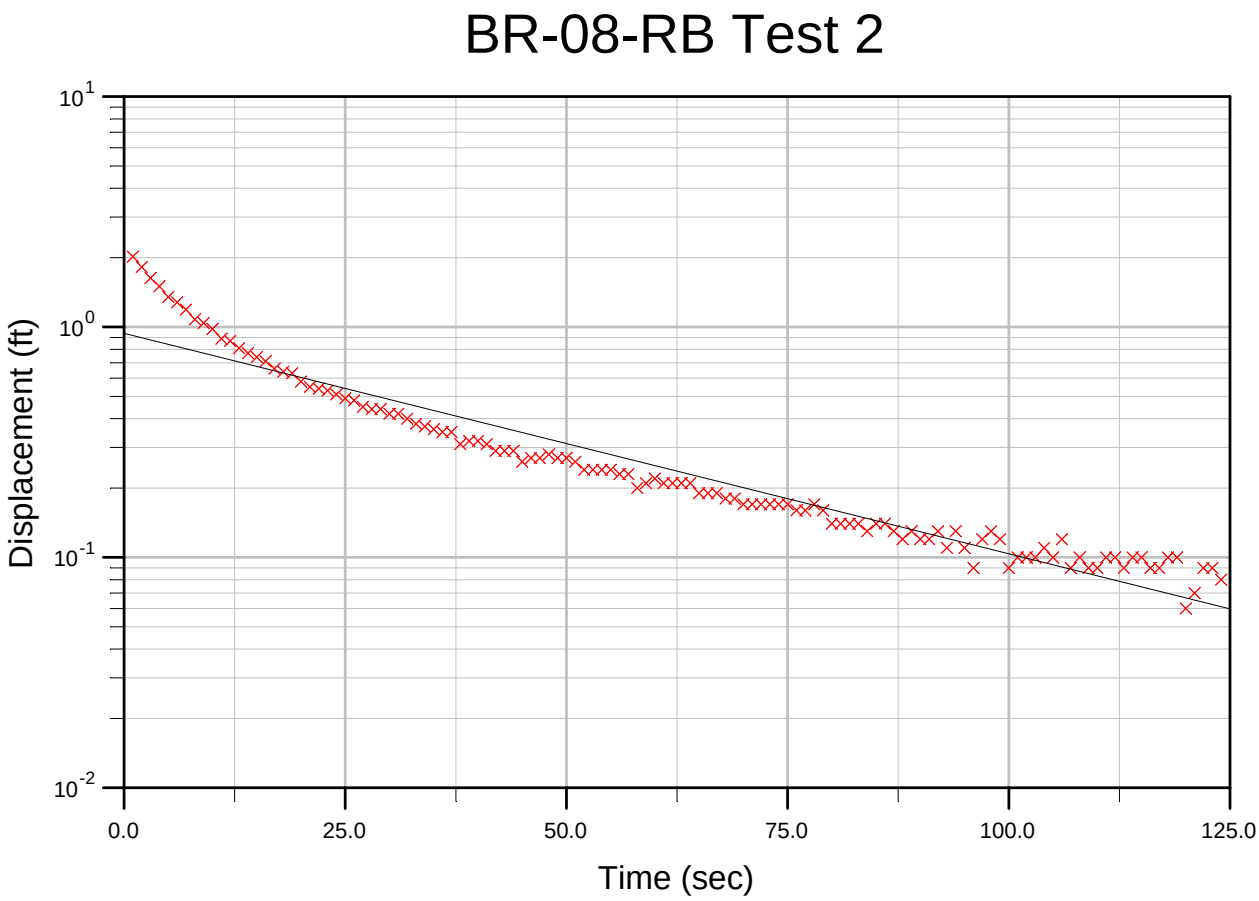
Residual Mean = 0.029408
Residual Standard Dev. = 0.179502
Residual Sum of Squares = 4.102622
Absolute Residual Mean = 0.077265
Minimum Residual = -0.096453
Maximum Residual = 1.101382

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	2.020000e+000	9.186183e-001	1.101382e+000
1	2.000000e+000	1.820000e+000	8.985953e-001	9.214047e-001
2	3.000000e+000	1.630000e+000	8.790088e-001	7.509912e-001
3	4.000000e+000	1.500000e+000	8.598492e-001	6.401508e-001
4	5.000000e+000	1.350000e+000	8.411073e-001	5.088927e-001
5	6.000000e+000	1.280000e+000	8.227738e-001	4.572262e-001
6	7.000000e+000	1.190000e+000	8.048400e-001	3.851600e-001
7	8.000000e+000	1.080000e+000	7.872970e-001	2.927030e-001
8	9.000000e+000	1.040000e+000	7.701365e-001	2.698635e-001
9	1.000000e+001	9.800000e-001	7.533500e-001	2.266500e-001
10	1.100000e+001	8.900000e-001	7.369293e-001	1.530707e-001
11	1.200000e+001	8.700000e-001	7.208666e-001	1.491334e-001
12	1.300000e+001	8.100000e-001	7.051540e-001	1.048460e-001
13	1.400000e+001	7.700000e-001	6.897839e-001	8.021608e-002
14	1.500000e+001	7.400000e-001	6.747488e-001	6.525117e-002
15	1.600000e+001	7.100000e-001	6.600415e-001	4.995854e-002
16	1.700000e+001	6.600000e-001	6.456547e-001	1.434534e-002

17	1.800000e+001	6.400000e-001	6.315814e-001	8.418552e-003
18	1.900000e+001	6.300000e-001	6.178150e-001	1.218501e-002
19	2.000000e+001	5.800000e-001	6.043486e-001	-2.434859e-002
20	2.100000e+001	5.500000e-001	5.911757e-001	-4.117572e-002
21	2.200000e+001	5.400000e-001	5.782900e-001	-3.828998e-002
22	2.300000e+001	5.300000e-001	5.656851e-001	-3.568510e-002
23	2.400000e+001	5.100000e-001	5.533550e-001	-4.335497e-002
24	2.500000e+001	4.900000e-001	5.412936e-001	-5.129360e-002
25	2.600000e+001	4.800000e-001	5.294951e-001	-4.949512e-002
26	2.700000e+001	4.500000e-001	5.179538e-001	-6.795382e-002
27	2.800000e+001	4.400000e-001	5.066641e-001	-6.666408e-002
28	2.900000e+001	4.400000e-001	4.956204e-001	-5.562042e-002
29	3.000000e+001	4.200000e-001	4.848175e-001	-6.481747e-002
30	3.100000e+001	4.200000e-001	4.742500e-001	-5.425000e-002
31	3.200000e+001	4.000000e-001	4.639129e-001	-6.391286e-002
32	3.300000e+001	3.800000e-001	4.538010e-001	-7.380104e-002
33	3.400000e+001	3.700000e-001	4.439096e-001	-7.390963e-002
34	3.500000e+001	3.600000e-001	4.342338e-001	-7.423381e-002
35	3.600000e+001	3.500000e-001	4.247689e-001	-7.476890e-002
36	3.700000e+001	3.500000e-001	4.155103e-001	-6.551029e-002
37	3.800000e+001	3.100000e-001	4.064535e-001	-9.645350e-002
38	3.900000e+001	3.200000e-001	3.975941e-001	-7.759411e-002
39	4.000000e+001	3.200000e-001	3.889278e-001	-6.892782e-002
40	4.100000e+001	3.100000e-001	3.804504e-001	-7.045044e-002
41	4.200000e+001	2.900000e-001	3.721578e-001	-8.215783e-002
42	4.300000e+001	2.900000e-001	3.640460e-001	-7.404598e-002
43	4.400000e+001	2.900000e-001	3.561109e-001	-6.611094e-002
44	4.500000e+001	2.600000e-001	3.483489e-001	-8.834885e-002
45	4.600000e+001	2.700000e-001	3.407560e-001	-7.075596e-002
46	4.700000e+001	2.700000e-001	3.333286e-001	-6.332857e-002
47	4.800000e+001	2.800000e-001	3.260631e-001	-4.606307e-002
48	4.900000e+001	2.700000e-001	3.189559e-001	-4.895593e-002
49	5.000000e+001	2.700000e-001	3.120037e-001	-4.200371e-002
50	5.100000e+001	2.600000e-001	3.052030e-001	-4.520303e-002
51	5.200000e+001	2.400000e-001	2.985506e-001	-5.855057e-002
52	5.300000e+001	2.400000e-001	2.920431e-001	-5.204312e-002
53	5.400000e+001	2.400000e-001	2.856775e-001	-4.567752e-002
54	5.500000e+001	2.400000e-001	2.794507e-001	-3.945066e-002
55	5.600000e+001	2.300000e-001	2.733595e-001	-4.335952e-002
56	5.700000e+001	2.300000e-001	2.674012e-001	-3.740116e-002
57	5.800000e+001	2.000000e-001	2.615727e-001	-6.157267e-002
58	5.900000e+001	2.100000e-001	2.558712e-001	-4.587122e-002
59	6.000000e+001	2.200000e-001	2.502940e-001	-3.029404e-002
60	6.100000e+001	2.100000e-001	2.448384e-001	-3.483843e-002
61	6.200000e+001	2.100000e-001	2.395017e-001	-2.950173e-002
62	6.300000e+001	2.100000e-001	2.342814e-001	-2.428136e-002
63	6.400000e+001	2.100000e-001	2.291748e-001	-1.917477e-002
64	6.500000e+001	1.900000e-001	2.241795e-001	-3.417949e-002
65	6.600000e+001	1.900000e-001	2.192931e-001	-2.929310e-002
66	6.700000e+001	1.900000e-001	2.145132e-001	-2.451321e-002
67	6.800000e+001	1.800000e-001	2.098375e-001	-2.983750e-002
68	6.900000e+001	1.800000e-001	2.052637e-001	-2.526371e-002
69	7.000000e+001	1.700000e-001	2.007896e-001	-3.078962e-002
70	7.100000e+001	1.700000e-001	1.964130e-001	-2.641305e-002
71	7.200000e+001	1.700000e-001	1.921319e-001	-2.213187e-002
72	7.300000e+001	1.700000e-001	1.879440e-001	-1.794401e-002
73	7.400000e+001	1.700000e-001	1.838474e-001	-1.384743e-002

74	7.500000e+001	1.700000e-001	1.798401e-001	-9.840141e-003
75	7.600000e+001	1.600000e-001	1.759202e-001	-1.592020e-002
76	7.700000e+001	1.600000e-001	1.720857e-001	-1.208570e-002
77	7.800000e+001	1.700000e-001	1.683348e-001	1.665219e-003
78	7.900000e+001	1.600000e-001	1.646656e-001	-4.665620e-003
79	8.000000e+001	1.400000e-001	1.610764e-001	-2.107643e-002
80	8.100000e+001	1.400000e-001	1.575655e-001	-1.756548e-002
81	8.200000e+001	1.400000e-001	1.541311e-001	-1.413106e-002
82	8.300000e+001	1.400000e-001	1.507715e-001	-1.077149e-002
83	8.400000e+001	1.300000e-001	1.474852e-001	-1.748515e-002
84	8.500000e+001	1.400000e-001	1.442704e-001	-4.270449e-003
85	8.600000e+001	1.400000e-001	1.411258e-001	-1.125813e-003
86	8.700000e+001	1.300000e-001	1.380497e-001	-8.049721e-003
87	8.800000e+001	1.200000e-001	1.350407e-001	-1.504068e-002
88	8.900000e+001	1.300000e-001	1.320972e-001	-2.097221e-003
89	9.000000e+001	1.200000e-001	1.292179e-001	-9.217923e-003
90	9.100000e+001	1.200000e-001	1.264014e-001	-6.401385e-003
91	9.200000e+001	1.300000e-001	1.236462e-001	6.353762e-003
92	9.300000e+001	1.100000e-001	1.209511e-001	-1.095114e-002
93	9.400000e+001	1.300000e-001	1.183148e-001	1.168520e-002
94	9.500000e+001	1.100000e-001	1.157359e-001	-5.735910e-003
95	9.600000e+001	9.000000e-002	1.132132e-001	-2.321324e-002
96	9.700000e+001	1.200000e-001	1.107455e-001	9.254451e-003
97	9.800000e+001	1.300000e-001	1.083316e-001	2.166835e-002
98	9.900000e+001	1.200000e-001	1.059704e-001	1.402963e-002
99	1.000000e+002	9.000000e-002	1.036605e-001	-1.366055e-002
100	1.010000e+002	1.000000e-001	1.014011e-001	-1.401080e-003
101	1.020000e+002	1.000000e-001	9.919086e-002	8.091398e-004
102	1.030000e+002	1.000000e-001	9.702882e-002	2.971184e-003
103	1.040000e+002	1.100000e-001	9.491390e-002	1.508610e-002
104	1.050000e+002	1.000000e-001	9.284508e-002	7.154923e-003
105	1.060000e+002	1.200000e-001	9.082135e-002	2.917865e-002
106	1.070000e+002	9.000000e-002	8.884173e-002	1.158265e-003
107	1.080000e+002	1.000000e-001	8.690527e-002	1.309473e-002
108	1.090000e+002	9.000000e-002	8.501101e-002	4.988989e-003
109	1.100000e+002	9.000000e-002	8.315804e-002	6.841958e-003
110	1.110000e+002	1.000000e-001	8.134546e-002	1.865454e-002
111	1.120000e+002	1.000000e-001	7.957239e-002	2.042761e-002
112	1.130000e+002	9.000000e-002	7.783797e-002	1.216203e-002
113	1.140000e+002	1.000000e-001	7.614135e-002	2.385865e-002
114	1.150000e+002	1.000000e-001	7.448171e-002	2.551829e-002
115	1.160000e+002	9.000000e-002	7.285824e-002	1.714176e-002
116	1.170000e+002	9.000000e-002	7.127017e-002	1.872983e-002
117	1.180000e+002	1.000000e-001	6.971671e-002	3.028329e-002
118	1.190000e+002	1.000000e-001	6.819710e-002	3.180290e-002
119	1.200000e+002	6.000000e-002	6.671062e-002	-6.710624e-003
120	1.210000e+002	7.000000e-002	6.525655e-002	4.743455e-003
121	1.220000e+002	9.000000e-002	6.383416e-002	2.616584e-002
122	1.230000e+002	9.000000e-002	6.244278e-002	2.755722e-002
123	1.240000e+002	8.000000e-002	6.108173e-002	1.891827e-002



BR-08-RB Test 2 Optimized Fit

BR-08-RB Test 4, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 15 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 113 ft

Initial Displacement
Fixed Value = 2.40991 ft

Hydraulic Conductivity
Calculated Value = 9.44234e-006 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

```
          Calculated Value             = 0.16667 ft

     Effective Screen Inner Diameter
          Calculated Value             = 0.16667 ft

     A
          Calculated Value             = 8.03839

     B
          Calculated Value             = 2.1132

     C
          Calculated Value             = 10.4959

     Linear Regression Slope
          Fixed Value                  = -0.0206155 ft/sec

     Linear Regression Intercept
          Fixed Value                  = 2.40991 ft

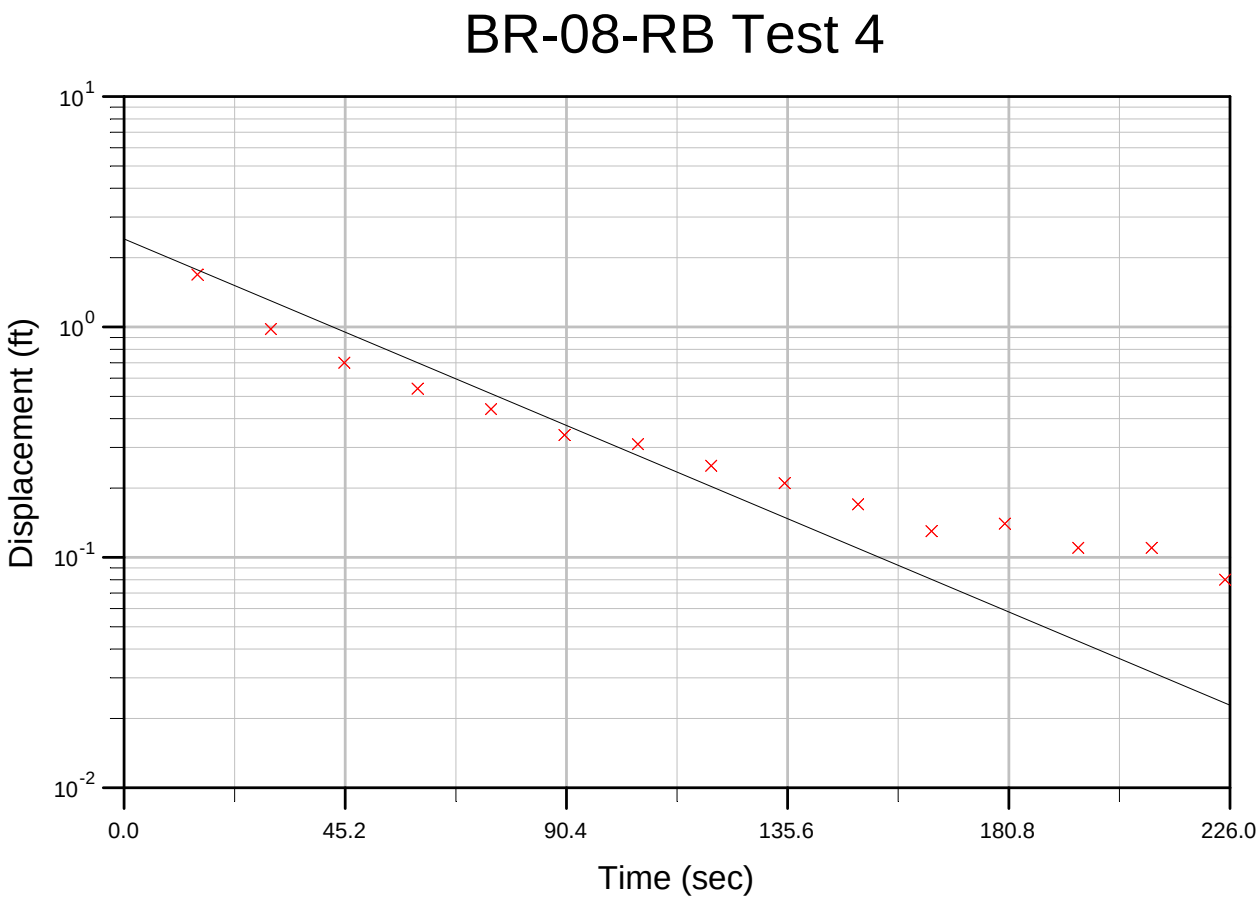

 ANALYSIS STATISTICS

     Regression Line
                  Slope:       -0.020615 ft/sec
                  Intercept:    2.409905 ft

     Residual Mean           = -0.025728
     Residual Standard Dev.  =  0.123135
     Residual Sum of Squares =  0.237363
     Absolute Residual Mean  =  0.096966
     Minimum Residual        = -0.318388
     Maximum Residual        =  0.081058


 DATA DETAIL
```

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.500000e+001	1.690000e+000	1.768896e+000	-7.889586e-002
1	3.000000e+001	9.800000e-001	1.298388e+000	-3.183881e-001
2	4.500000e+001	7.000000e-001	9.530305e-001	-2.530305e-001
3	6.000000e+001	5.400000e-001	6.995344e-001	-1.595344e-001
4	7.500000e+001	4.400000e-001	5.134656e-001	-7.346557e-002
5	9.000000e+001	3.400000e-001	3.768891e-001	-3.688911e-002
6	1.050000e+002	3.100000e-001	2.766406e-001	3.335944e-002
7	1.200000e+002	2.500000e-001	2.030571e-001	4.694293e-002
8	1.350000e+002	2.100000e-001	1.490460e-001	6.095398e-002
9	1.500000e+002	1.700000e-001	1.094013e-001	6.059866e-002
10	1.650000e+002	1.300000e-001	8.030173e-002	4.969827e-002
11	1.800000e+002	1.400000e-001	5.894231e-002	8.105769e-002
12	1.950000e+002	1.100000e-001	4.326428e-002	6.673572e-002
13	2.100000e+002	1.100000e-001	3.175643e-002	7.824357e-002
14	2.250000e+002	8.000000e-002	2.330955e-002	5.669045e-002



BR-08-RB Test 4, Manual Match

BR-08-RB Test 4 Optimized Curve Fit

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 15 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 113 ft

Initial Displacement
Fixed Value = 1.32126 ft

Hydraulic Conductivity
Calculated Value = 5.95013e-006 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 8.03839

B
Calculated Value = 2.1132

C
Calculated Value = 10.4959

Linear Regression Slope
Fixed Value = -0.0129909 ft/sec

Linear Regression Intercept
Fixed Value = 1.32126 ft

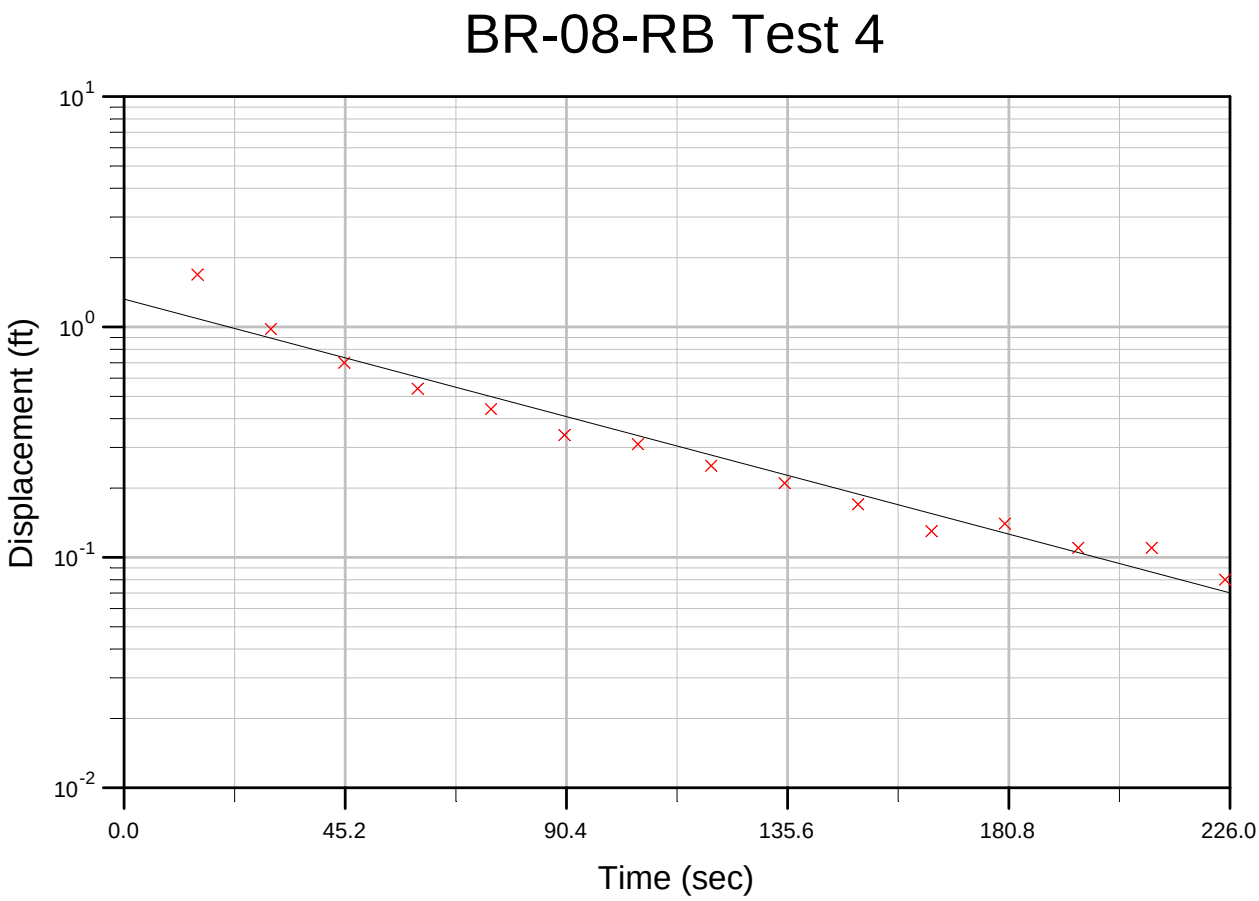
ANALYSIS STATISTICS

Regression Line
Slope: -0.012991 ft/sec
Intercept: 1.321263 ft

Residual Mean = 0.025932
Residual Standard Dev. = 0.158775
Residual Sum of Squares = 0.388232
Absolute Residual Mean = 0.072478
Minimum Residual = -0.070412
Maximum Residual = 0.602671

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.500000e+001	1.690000e+000	1.087329e+000	6.026710e-001
1	3.000000e+001	9.800000e-001	8.948140e-001	8.518604e-002
2	4.500000e+001	7.000000e-001	7.363843e-001	-3.638435e-002
3	6.000000e+001	5.400000e-001	6.060052e-001	-6.600519e-002
4	7.500000e+001	4.400000e-001	4.987101e-001	-5.871007e-002
5	9.000000e+001	3.400000e-001	4.104119e-001	-7.041189e-002
6	1.050000e+002	3.100000e-001	3.377472e-001	-2.774718e-002
7	1.200000e+002	2.500000e-001	2.779480e-001	-2.794798e-002
8	1.350000e+002	2.100000e-001	2.287364e-001	-1.873642e-002
9	1.500000e+002	1.700000e-001	1.882379e-001	-1.823792e-002
10	1.650000e+002	1.300000e-001	1.549098e-001	-2.490981e-002
11	1.800000e+002	1.400000e-001	1.274825e-001	1.251746e-002
12	1.950000e+002	1.100000e-001	1.049114e-001	5.088645e-003
13	2.100000e+002	1.100000e-001	8.633647e-002	2.366353e-002
14	2.250000e+002	8.000000e-002	7.105033e-002	8.949672e-003



BR-08-RB Test 4 Optimized Curve Fit

BR-10-JC Test Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 28 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 15 ft

Depth to Screen Top
Fixed Value = 35 ft

Initial Displacement
Fixed Value = 4.72827 ft

Hydraulic Conductivity
Calculated Value = 0.000191734 ft/sec

Aquifer Thickness
Fixed Value = 300 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 5.81153

B
Calculated Value = 1.05218

C
Calculated Value = 6.38229

Linear Regression Slope
Fixed Value = -0.198223 ft/sec

Linear Regression Intercept
Fixed Value = 4.72827 ft

ANALYSIS STATISTICS

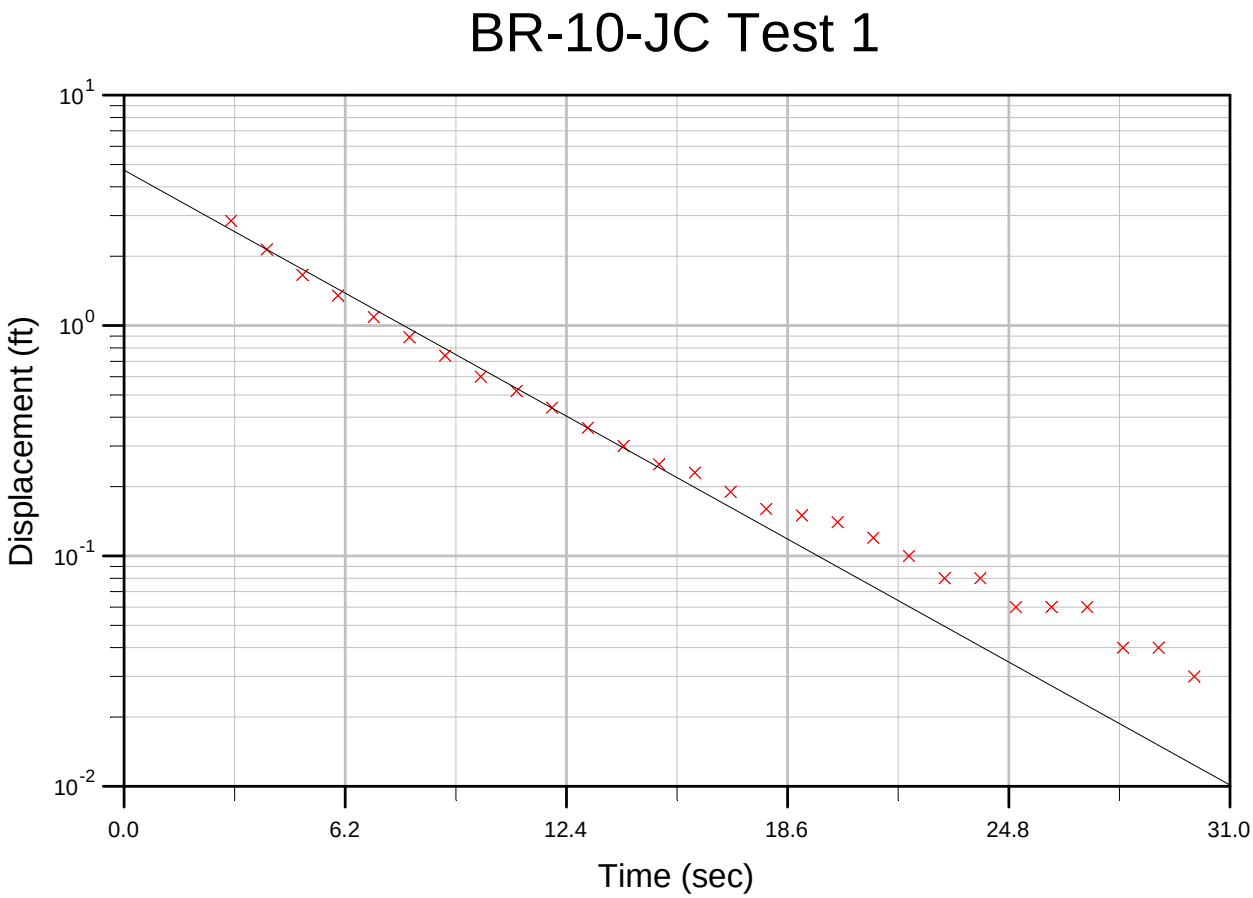
Regression Line
Slope: -0.198223 ft/sec
Intercept: 4.728270 ft

Residual Mean = 0.009928
Residual Standard Dev. = 0.062698
Residual Sum of Squares = 0.112830
Absolute Residual Mean = 0.043715
Minimum Residual = -0.094957
Maximum Residual = 0.241200

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	3.000000e+000	2.850000e+000	2.608800e+000	2.412000e-001
1	4.000000e+000	2.140000e+000	2.139704e+000	2.964487e-004
2	5.000000e+000	1.660000e+000	1.754957e+000	-9.495683e-002
3	6.000000e+000	1.350000e+000	1.439393e+000	-8.939260e-002
4	7.000000e+000	1.090000e+000	1.180571e+000	-9.057096e-002
5	8.000000e+000	8.900000e-001	9.682888e-001	-7.828884e-002
6	9.000000e+000	7.400000e-001	7.941778e-001	-5.417782e-002
7	1.000000e+001	6.000000e-001	6.513742e-001	-5.137425e-002
8	1.100000e+001	5.200000e-001	5.342486e-001	-1.424862e-002
9	1.200000e+001	4.400000e-001	4.381837e-001	1.816276e-003
10	1.300000e+001	3.600000e-001	3.593926e-001	6.074488e-004
11	1.400000e+001	3.000000e-001	2.947691e-001	5.230937e-003
12	1.500000e+001	2.500000e-001	2.417657e-001	8.234275e-003
13	1.600000e+001	2.300000e-001	1.982931e-001	3.170692e-002
14	1.700000e+001	1.900000e-001	1.626374e-001	2.736261e-002
15	1.800000e+001	1.600000e-001	1.333931e-001	2.660695e-002
16	1.900000e+001	1.500000e-001	1.094072e-001	4.059276e-002

17	2.000000e+001	1.400000e-001	8.973438e-002	5.026562e-002
18	2.100000e+001	1.200000e-001	7.359896e-002	4.640104e-002
19	2.200000e+001	1.000000e-001	6.036491e-002	3.963509e-002
20	2.300000e+001	8.000000e-002	4.951051e-002	3.048949e-002
21	2.400000e+001	8.000000e-002	4.060787e-002	3.939213e-002
22	2.500000e+001	6.000000e-002	3.330604e-002	2.669396e-002
23	2.600000e+001	6.000000e-002	2.731718e-002	3.268282e-002
24	2.700000e+001	6.000000e-002	2.240519e-002	3.759481e-002
25	2.800000e+001	4.000000e-002	1.837645e-002	2.162355e-002
26	2.900000e+001	4.000000e-002	1.507212e-002	2.492788e-002
27	3.000000e+001	3.000000e-002	1.236196e-002	1.763804e-002



BR-10-JC Test 1, Manual M\atch

BR-10-JC Test 2, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 26 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 15 ft

Depth to Screen Top
Fixed Value = 35 ft

Initial Displacement
Fixed Value = 2.879 ft

Hydraulic Conductivity
Calculated Value = 0.000202974 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 5.81153

B
Calculated Value = 1.05218

C
Calculated Value = 6.38229

Linear Regression Slope
Fixed Value = -0.209843 ft/sec

Linear Regression Intercept
Fixed Value = 2.879 ft

ANALYSIS STATISTICS

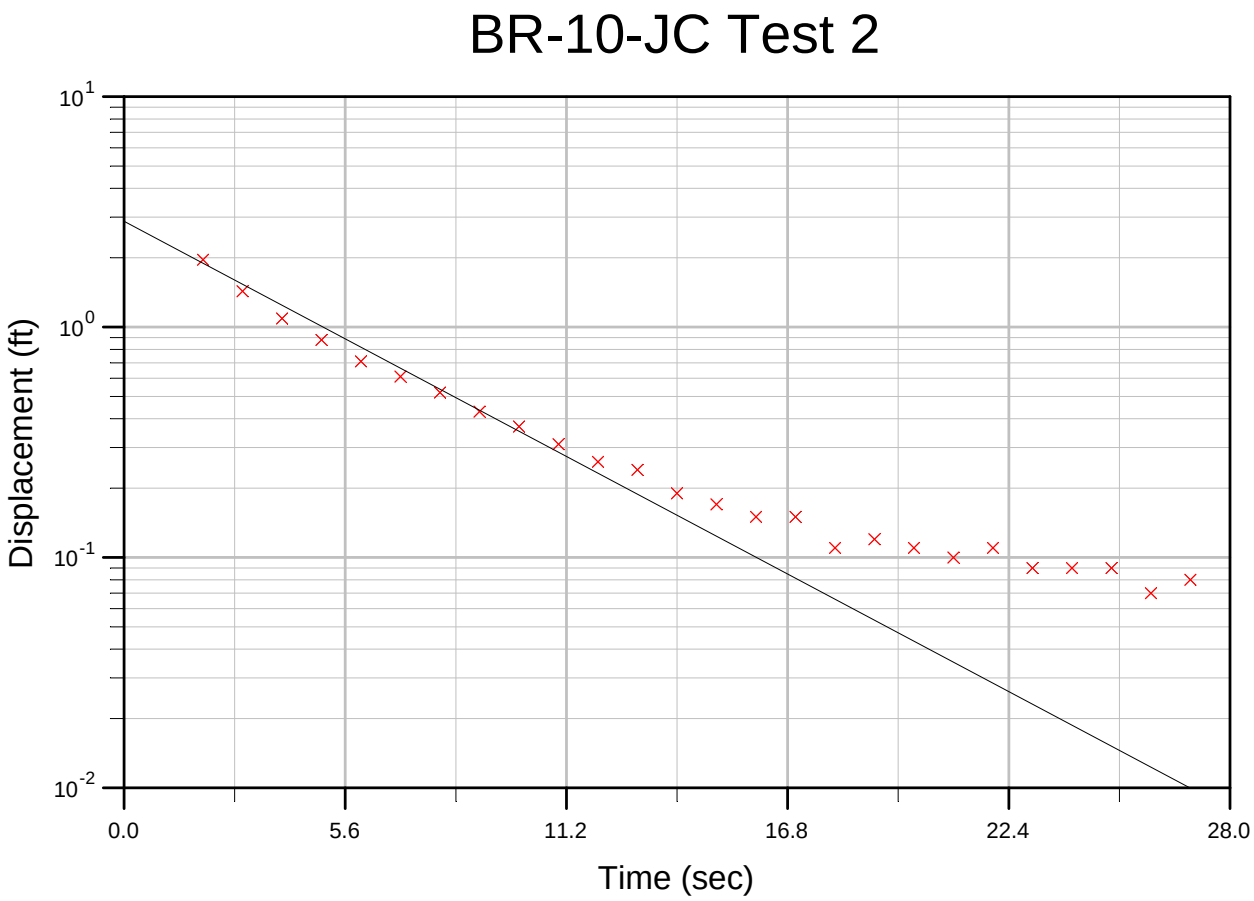
Regression Line
Slope: -0.209843 ft/sec
Intercept: 2.878998 ft

Residual Mean = 0.018698
Residual Standard Dev. = 0.068270
Residual Sum of Squares = 0.130272
Absolute Residual Mean = 0.062458
Minimum Residual = -0.153674
Maximum Residual = 0.081536

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	1.960000e+000	1.892230e+000	6.776963e-002
1	3.000000e+000	1.430000e+000	1.534053e+000	-1.040530e-001
2	4.000000e+000	1.090000e+000	1.243674e+000	-1.536745e-001
3	5.000000e+000	8.800000e-001	1.008261e+000	-1.282613e-001
4	6.000000e+000	7.100000e-001	8.174091e-001	-1.074091e-001
5	7.000000e+000	6.100000e-001	6.626830e-001	-5.268296e-002
6	8.000000e+000	5.200000e-001	5.372447e-001	-1.724473e-002
7	9.000000e+000	4.300000e-001	4.355505e-001	-5.550509e-003
8	1.000000e+001	3.700000e-001	3.531058e-001	1.689417e-002
9	1.100000e+001	3.100000e-001	2.862670e-001	2.373303e-002
10	1.200000e+001	2.600000e-001	2.320799e-001	2.792006e-002
11	1.300000e+001	2.400000e-001	1.881499e-001	5.185011e-002
12	1.400000e+001	1.900000e-001	1.525353e-001	3.746471e-002
13	1.500000e+001	1.700000e-001	1.236621e-001	4.633788e-002
14	1.600000e+001	1.500000e-001	1.002543e-001	4.974569e-002
15	1.700000e+001	1.500000e-001	8.127732e-002	6.872268e-002
16	1.800000e+001	1.100000e-001	6.589247e-002	4.410753e-002

17	1.900000e+001	1.200000e-001	5.341978e-002	6.658022e-002
18	2.000000e+001	1.100000e-001	4.330804e-002	6.669196e-002
19	2.100000e+001	1.000000e-001	3.511032e-002	6.488968e-002
20	2.200000e+001	1.100000e-001	2.846435e-002	8.153565e-002
21	2.300000e+001	9.000000e-002	2.307637e-002	6.692363e-002
22	2.400000e+001	9.000000e-002	1.870828e-002	7.129172e-002
23	2.500000e+001	9.000000e-002	1.516702e-002	7.483298e-002
24	2.600000e+001	7.000000e-002	1.229608e-002	5.770392e-002
25	2.700000e+001	8.000000e-002	9.968573e-003	7.003143e-002



BR-10-JC Test 2, Manual Match

BR-10-OB Test 1, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 3 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.583333 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 14.7 ft

Initial Displacement
Fixed Value = 16.2759 ft

Hydraulic Conductivity
Calculated Value = 0.00226794 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

```
          Calculated Value             = 0.166667 ft

     Effective Screen Inner Diameter
          Calculated Value             = 0.166667 ft

     A
          Calculated Value             = 4.83299

     B
          Calculated Value             = 0.822699

     C
          Calculated Value             = 4.81789

     Linear Regression Slope
          Fixed Value                  = -1.79407 ft/sec

     Linear Regression Intercept
          Fixed Value                  = 16.2759 ft


 ANALYSIS STATISTICS

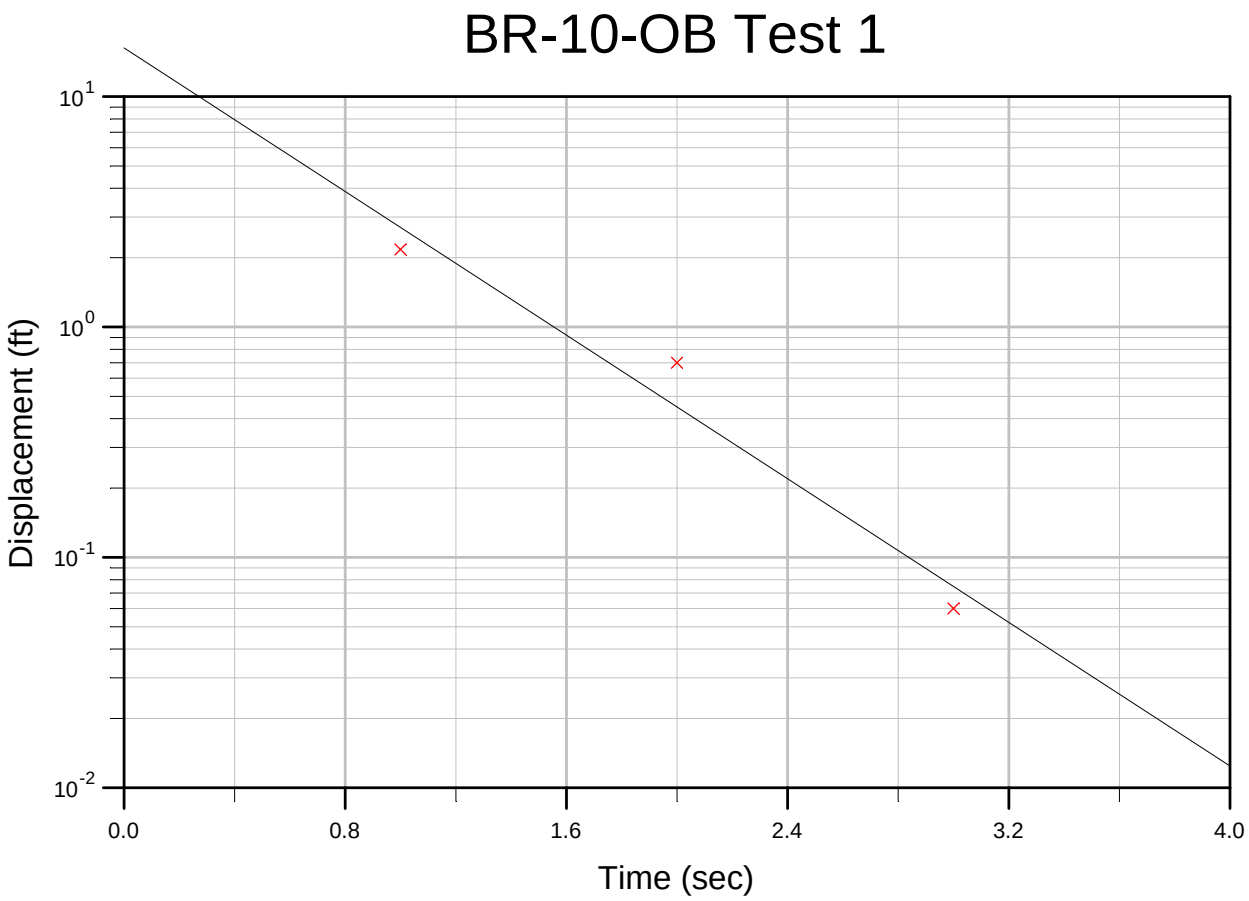
     Regression Line
                 Slope:       -1.794069 ft/sec
                 Intercept:    16.275893 ft

     Residual Mean           = -0.100416
     Residual Standard Dev.  =  0.326687
     Residual Sum of Squares =  0.350423
     Absolute Residual Mean  =  0.267066
     Minimum Residual        = -0.536391
     Maximum Residual        =  0.249975


 DATA DETAIL

Index  Time              Obs. Displacement   Calc. Displacement  Residual
       (sec)             (ft)                (ft)

  0    1.000000e+000     2.170000e+000       2.706391e+000       -5.363913e-001
  1    2.000000e+000     7.000000e-001       4.500247e-001        2.499753e-001
  2    3.000000e+000     6.000000e-002       7.483109e-002       -1.483109e-002
```



BR-10-OB Test 1, Optimized Match

BR-10-OB Test 2, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 4 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.583333 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 14.7 ft

Initial Displacement
Fixed Value = 6.58179 ft

Hydraulic Conductivity
Calculated Value = 0.00131494 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

```
          Calculated Value             = 0.166667 ft

     Effective Screen Inner Diameter
          Calculated Value             = 0.166667 ft

     A
          Calculated Value             = 4.83299

     B
          Calculated Value             = 0.822699

     C
          Calculated Value             = 4.81789

     Linear Regression Slope
          Fixed Value                  = -1.04019 ft/sec

     Linear Regression Intercept
          Fixed Value                  = 6.58179 ft


 ANALYSIS STATISTICS

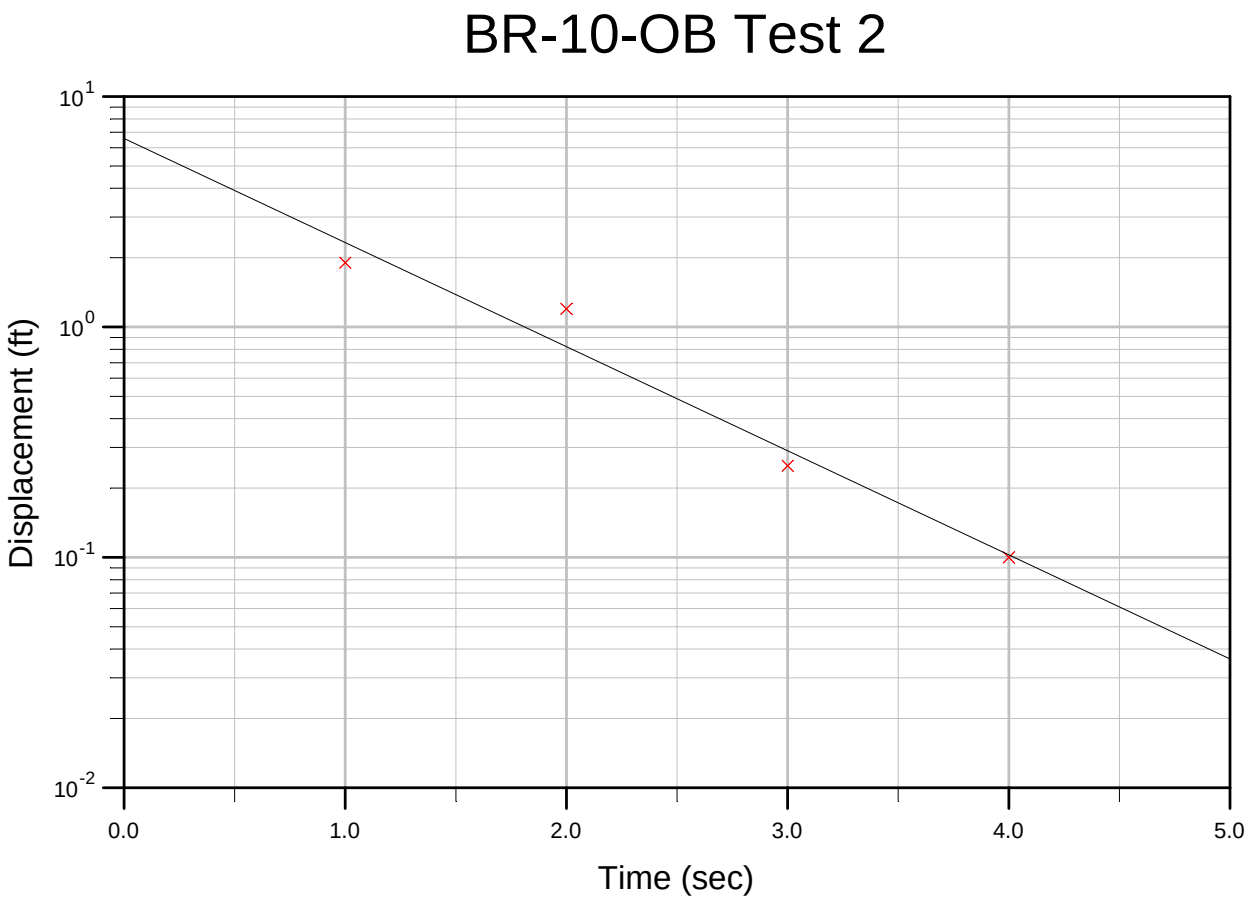
     Regression Line
                 Slope:       -1.040193 ft/sec
                 Intercept:    6.581793 ft

     Residual Mean           = -0.022744
     Residual Standard Dev.  =  0.284563
     Residual Sum of Squares =  0.325973
     Absolute Residual Mean  =  0.211770
     Minimum Residual        = -0.425916
     Maximum Residual        =  0.378053


 DATA DETAIL

Index  Time              Obs. Displacement   Calc. Displacement  Residual
       (sec)             (ft)                (ft)

  0    1.000000e+000     1.900000e+000       2.325916e+000       -4.259160e-001
  1    2.000000e+000     1.200000e+000       8.219470e-001        3.780530e-001
  2    3.000000e+000     2.500000e-001       2.904649e-001       -4.046487e-002
  3    4.000000e+000     1.000000e-001       1.026463e-001       -2.646326e-003
```



BR-10-OB Test 2, Optimized Match

BR-10-RB Test 1, Manual

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 116 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 120.4 ft

Initial Displacement
Fixed Value = 1.38038 ft

Hydraulic Conductivity
Calculated Value = 4.80374e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 4.83299

B
Calculated Value = 0.822699

C
Calculated Value = 4.81789

Linear Regression Slope
Fixed Value = -0.0319524 ft/sec

Linear Regression Intercept
Fixed Value = 1.38038 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.031952 ft/sec
Intercept: 1.380384 ft

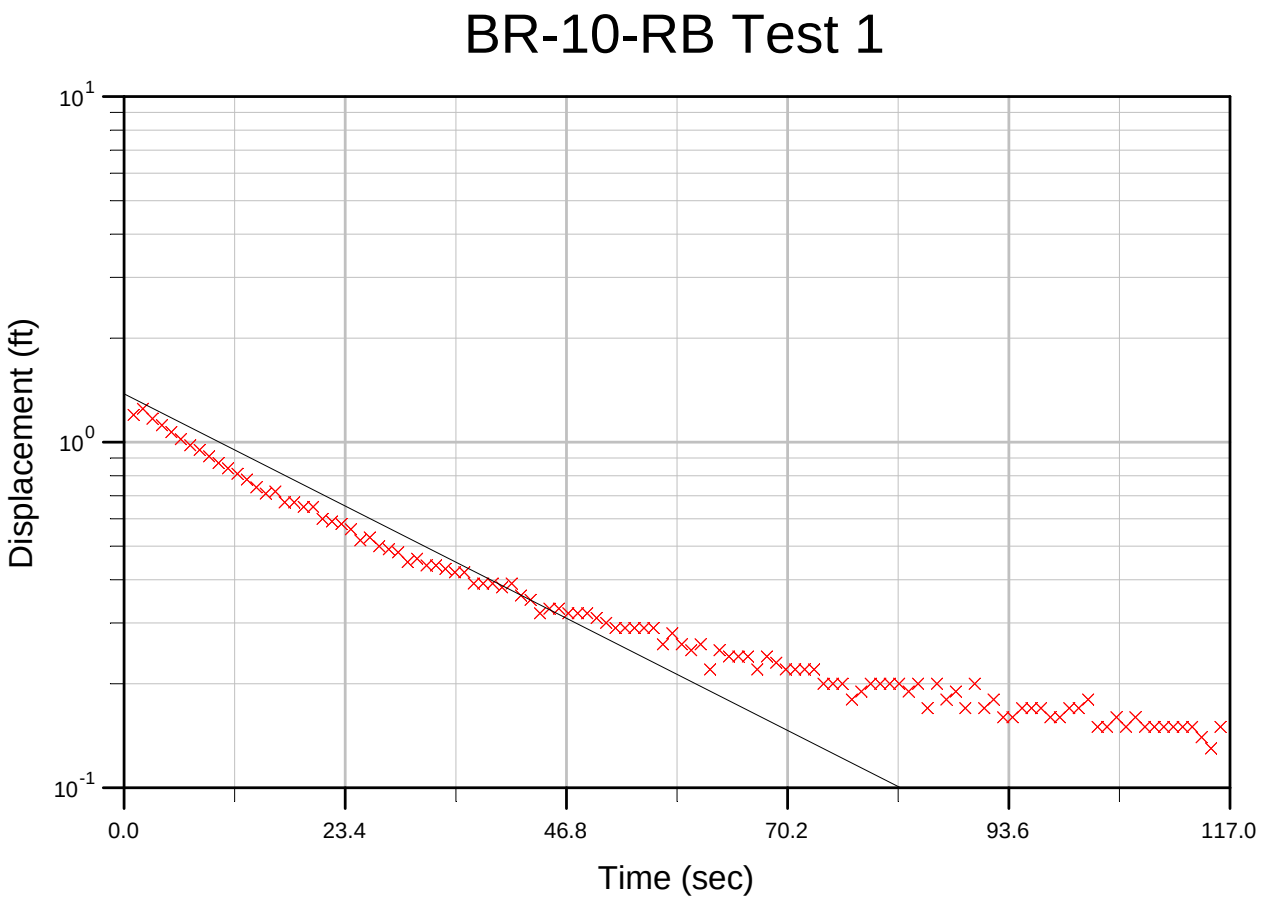
Residual Mean = 0.019996
Residual Standard Dev. = 0.085045
Residual Sum of Squares = 0.885368
Absolute Residual Mean = 0.079490
Minimum Residual = -0.144769
Maximum Residual = 0.126964

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	1.200000e+000	1.336975e+000	-1.369749e-001
1	2.000000e+000	1.250000e+000	1.294931e+000	-4.493066e-002
2	3.000000e+000	1.170000e+000	1.254209e+000	-8.420859e-002
3	4.000000e+000	1.120000e+000	1.214767e+000	-9.476712e-002
4	5.000000e+000	1.070000e+000	1.176566e+000	-1.065660e-001
5	6.000000e+000	1.020000e+000	1.139566e+000	-1.195662e-001
6	7.000000e+000	9.800000e-001	1.103730e+000	-1.237299e-001
7	8.000000e+000	9.500000e-001	1.069021e+000	-1.190206e-001
8	9.000000e+000	9.100000e-001	1.035403e+000	-1.254027e-001
9	1.000000e+001	8.700000e-001	1.002842e+000	-1.328421e-001
10	1.100000e+001	8.400000e-001	9.713054e-001	-1.313054e-001
11	1.200000e+001	8.100000e-001	9.407605e-001	-1.307605e-001
12	1.300000e+001	7.800000e-001	9.111761e-001	-1.311761e-001
13	1.400000e+001	7.400000e-001	8.825221e-001	-1.425221e-001
14	1.500000e+001	7.100000e-001	8.547692e-001	-1.447692e-001
15	1.600000e+001	7.200000e-001	8.278890e-001	-1.078890e-001
16	1.700000e+001	6.700000e-001	8.018541e-001	-1.318541e-001

17	1.800000e+001	6.700000e-001	7.766380e-001	-1.066380e-001
18	1.900000e+001	6.500000e-001	7.522148e-001	-1.022148e-001
19	2.000000e+001	6.500000e-001	7.285597e-001	-7.855969e-002
20	2.100000e+001	6.000000e-001	7.056485e-001	-1.056485e-001
21	2.200000e+001	5.900000e-001	6.834577e-001	-9.345772e-002
22	2.300000e+001	5.800000e-001	6.619648e-001	-8.196482e-002
23	2.400000e+001	5.600000e-001	6.411478e-001	-8.114781e-002
24	2.500000e+001	5.200000e-001	6.209854e-001	-1.009854e-001
25	2.600000e+001	5.300000e-001	6.014571e-001	-7.145713e-002
26	2.700000e+001	5.000000e-001	5.825429e-001	-8.254293e-002
27	2.800000e+001	4.900000e-001	5.642235e-001	-7.422353e-002
28	2.900000e+001	4.800000e-001	5.464802e-001	-6.648022e-002
29	3.000000e+001	4.500000e-001	5.292949e-001	-7.929490e-002
30	3.100000e+001	4.600000e-001	5.126500e-001	-5.265000e-002
31	3.200000e+001	4.400000e-001	4.965285e-001	-5.652854e-002
32	3.300000e+001	4.400000e-001	4.809141e-001	-4.091406e-002
33	3.400000e+001	4.300000e-001	4.657906e-001	-3.579061e-002
34	3.500000e+001	4.200000e-001	4.511428e-001	-3.114276e-002
35	3.600000e+001	4.200000e-001	4.369555e-001	-1.695554e-002
36	3.700000e+001	3.900000e-001	4.232145e-001	-3.321447e-002
37	3.800000e+001	3.900000e-001	4.099055e-001	-1.990551e-002
38	3.900000e+001	3.900000e-001	3.970151e-001	-7.015093e-003
39	4.000000e+001	3.800000e-001	3.845300e-001	-4.530041e-003
40	4.100000e+001	3.900000e-001	3.724376e-001	1.756239e-002
41	4.200000e+001	3.600000e-001	3.607255e-001	-7.254535e-004
42	4.300000e+001	3.500000e-001	3.493816e-001	6.183874e-004
43	4.400000e+001	3.200000e-001	3.383945e-001	-1.839450e-002
44	4.500000e+001	3.300000e-001	3.277529e-001	2.247088e-003
45	4.600000e+001	3.300000e-001	3.174460e-001	1.255403e-002
46	4.700000e+001	3.200000e-001	3.074632e-001	1.253685e-002
47	4.800000e+001	3.200000e-001	2.977943e-001	2.220574e-002
48	4.900000e+001	3.200000e-001	2.884294e-001	3.157056e-002
49	5.000000e+001	3.100000e-001	2.793591e-001	3.064089e-002
50	5.100000e+001	3.000000e-001	2.705740e-001	2.942598e-002
51	5.200000e+001	2.900000e-001	2.620652e-001	2.793480e-002
52	5.300000e+001	2.900000e-001	2.538240e-001	3.617604e-002
53	5.400000e+001	2.900000e-001	2.458419e-001	4.415812e-002
54	5.500000e+001	2.900000e-001	2.381108e-001	5.188918e-002
55	5.600000e+001	2.900000e-001	2.306229e-001	5.937712e-002
56	5.700000e+001	2.600000e-001	2.233704e-001	3.662959e-002
57	5.800000e+001	2.800000e-001	2.163460e-001	6.365399e-002
58	5.900000e+001	2.600000e-001	2.095425e-001	5.045748e-002
59	6.000000e+001	2.500000e-001	2.029530e-001	4.704703e-002
60	6.100000e+001	2.600000e-001	1.965706e-001	6.342935e-002
61	6.200000e+001	2.200000e-001	1.903890e-001	2.961097e-002
62	6.300000e+001	2.500000e-001	1.844018e-001	6.559819e-002
63	6.400000e+001	2.400000e-001	1.786029e-001	6.139713e-002
64	6.500000e+001	2.400000e-001	1.729863e-001	6.701371e-002
65	6.600000e+001	2.400000e-001	1.675463e-001	7.245366e-002
66	6.700000e+001	2.200000e-001	1.622775e-001	5.772254e-002
67	6.800000e+001	2.400000e-001	1.571743e-001	8.282572e-002
68	6.900000e+001	2.300000e-001	1.522316e-001	7.776843e-002
69	7.000000e+001	2.200000e-001	1.474443e-001	7.255570e-002
70	7.100000e+001	2.200000e-001	1.428076e-001	7.719243e-002
71	7.200000e+001	2.200000e-001	1.383167e-001	8.168334e-002
72	7.300000e+001	2.200000e-001	1.339670e-001	8.603303e-002
73	7.400000e+001	2.000000e-001	1.297541e-001	7.024592e-002

74	7.500000e+001	2.000000e-001	1.256737e-001	7.432634e-002
75	7.600000e+001	2.000000e-001	1.217216e-001	7.827844e-002
76	7.700000e+001	1.800000e-001	1.178937e-001	6.210625e-002
77	7.800000e+001	1.900000e-001	1.141863e-001	7.581369e-002
78	7.900000e+001	2.000000e-001	1.105955e-001	8.940454e-002
79	8.000000e+001	2.000000e-001	1.071175e-001	9.288247e-002
80	8.100000e+001	2.000000e-001	1.037490e-001	9.625103e-002
81	8.200000e+001	2.000000e-001	1.004863e-001	9.951365e-002
82	8.300000e+001	1.900000e-001	9.732632e-002	9.267368e-002
83	8.400000e+001	2.000000e-001	9.426567e-002	1.057343e-001
84	8.500000e+001	1.700000e-001	9.130127e-002	7.869873e-002
85	8.600000e+001	2.000000e-001	8.843009e-002	1.115699e-001
86	8.700000e+001	1.800000e-001	8.564921e-002	9.435079e-002
87	8.800000e+001	1.900000e-001	8.295577e-002	1.070442e-001
88	8.900000e+001	1.700000e-001	8.034704e-002	8.965296e-002
89	9.000000e+001	2.000000e-001	7.782034e-002	1.221797e-001
90	9.100000e+001	1.700000e-001	7.537310e-002	9.462690e-002
91	9.200000e+001	1.800000e-001	7.300282e-002	1.069972e-001
92	9.300000e+001	1.600000e-001	7.070708e-002	8.929292e-002
93	9.400000e+001	1.600000e-001	6.848353e-002	9.151647e-002
94	9.500000e+001	1.700000e-001	6.632991e-002	1.036701e-001
95	9.600000e+001	1.700000e-001	6.424401e-002	1.057560e-001
96	9.700000e+001	1.700000e-001	6.222371e-002	1.077763e-001
97	9.800000e+001	1.600000e-001	6.026694e-002	9.973306e-002
98	9.900000e+001	1.600000e-001	5.837171e-002	1.016283e-001
99	1.000000e+002	1.700000e-001	5.653608e-002	1.134639e-001
100	1.010000e+002	1.700000e-001	5.475817e-002	1.152418e-001
101	1.020000e+002	1.800000e-001	5.303618e-002	1.269638e-001
102	1.030000e+002	1.500000e-001	5.136833e-002	9.863167e-002
103	1.040000e+002	1.500000e-001	4.975294e-002	1.002471e-001
104	1.050000e+002	1.600000e-001	4.818834e-002	1.118117e-001
105	1.060000e+002	1.500000e-001	4.667295e-002	1.033271e-001
106	1.070000e+002	1.600000e-001	4.520521e-002	1.147948e-001
107	1.080000e+002	1.500000e-001	4.378363e-002	1.062164e-001
108	1.090000e+002	1.500000e-001	4.240675e-002	1.075932e-001
109	1.100000e+002	1.500000e-001	4.107317e-002	1.089268e-001
110	1.110000e+002	1.500000e-001	3.978153e-002	1.102185e-001
111	1.120000e+002	1.500000e-001	3.853051e-002	1.114695e-001
112	1.130000e+002	1.500000e-001	3.731883e-002	1.126812e-001
113	1.140000e+002	1.400000e-001	3.614525e-002	1.038547e-001
114	1.150000e+002	1.300000e-001	3.500858e-002	9.499142e-002
115	1.160000e+002	1.500000e-001	3.390766e-002	1.160923e-001



BR-10-RB Test 1, Manual

BR-10-RB Test 1 Optimized Curve Fit

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 116 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 120.4 ft

Initial Displacement
Fixed Value = 0.865533 ft

Hydraulic Conductivity
Calculated Value = 2.65912e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 4.83299

B
Calculated Value = 0.822699

C
Calculated Value = 4.81789

Linear Regression Slope
Fixed Value = -0.0176873 ft/sec

Linear Regression Intercept
Fixed Value = 0.865533 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.017687 ft/sec
Intercept: 0.865533 ft

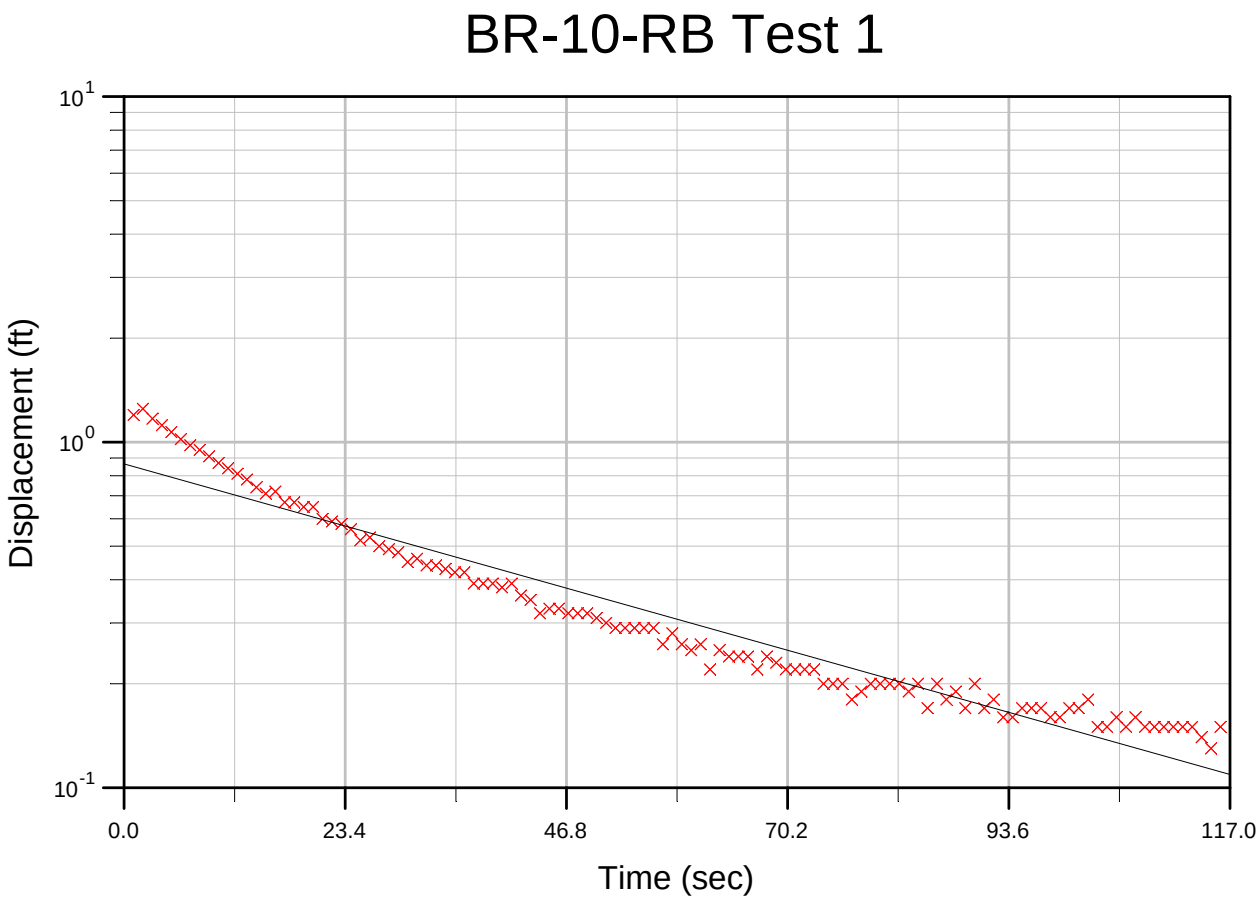
Residual Mean = 0.013099
Residual Standard Dev. = 0.089824
Residual Sum of Squares = 0.955830
Absolute Residual Mean = 0.053622
Minimum Residual = -0.077464
Maximum Residual = 0.414549

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	1.200000e+000	8.503588e-001	3.496412e-001
1	2.000000e+000	1.250000e+000	8.354505e-001	4.145495e-001
2	3.000000e+000	1.170000e+000	8.208036e-001	3.491964e-001
3	4.000000e+000	1.120000e+000	8.064134e-001	3.135866e-001
4	5.000000e+000	1.070000e+000	7.922756e-001	2.777244e-001
5	6.000000e+000	1.020000e+000	7.783856e-001	2.416144e-001
6	7.000000e+000	9.800000e-001	7.647391e-001	2.152609e-001
7	8.000000e+000	9.500000e-001	7.513318e-001	1.986682e-001
8	9.000000e+000	9.100000e-001	7.381597e-001	1.718403e-001
9	1.000000e+001	8.700000e-001	7.252184e-001	1.447816e-001
10	1.100000e+001	8.400000e-001	7.125040e-001	1.274960e-001
11	1.200000e+001	8.100000e-001	7.000126e-001	1.099874e-001
12	1.300000e+001	7.800000e-001	6.877401e-001	9.225990e-002
13	1.400000e+001	7.400000e-001	6.756828e-001	6.431721e-002
14	1.500000e+001	7.100000e-001	6.638369e-001	4.616314e-002
15	1.600000e+001	7.200000e-001	6.521986e-001	6.780138e-002
16	1.700000e+001	6.700000e-001	6.407644e-001	2.923558e-002

17	1.800000e+001	6.700000e-001	6.295307e-001	4.046932e-002
18	1.900000e+001	6.500000e-001	6.184939e-001	3.150612e-002
19	2.000000e+001	6.500000e-001	6.076506e-001	4.234942e-002
20	2.100000e+001	6.000000e-001	5.969974e-001	3.002615e-003
21	2.200000e+001	5.900000e-001	5.865310e-001	3.469043e-003
22	2.300000e+001	5.800000e-001	5.762480e-001	3.751976e-003
23	2.400000e+001	5.600000e-001	5.661454e-001	-6.145370e-003
24	2.500000e+001	5.200000e-001	5.562198e-001	-3.621983e-002
25	2.600000e+001	5.300000e-001	5.464683e-001	-1.646831e-002
26	2.700000e+001	5.000000e-001	5.368877e-001	-3.688775e-002
27	2.800000e+001	4.900000e-001	5.274751e-001	-3.747515e-002
28	2.900000e+001	4.800000e-001	5.182276e-001	-3.822757e-002
29	3.000000e+001	4.500000e-001	5.091421e-001	-5.914212e-002
30	3.100000e+001	4.600000e-001	5.002159e-001	-4.021595e-002
31	3.200000e+001	4.400000e-001	4.914463e-001	-5.144627e-002
32	3.300000e+001	4.400000e-001	4.828303e-001	-4.283034e-002
33	3.400000e+001	4.300000e-001	4.743655e-001	-4.436547e-002
34	3.500000e+001	4.200000e-001	4.660490e-001	-4.604899e-002
35	3.600000e+001	4.200000e-001	4.578783e-001	-3.787832e-002
36	3.700000e+001	3.900000e-001	4.498509e-001	-5.985090e-002
37	3.800000e+001	3.900000e-001	4.419642e-001	-5.196421e-002
38	3.900000e+001	3.900000e-001	4.342158e-001	-4.421579e-002
39	4.000000e+001	3.800000e-001	4.266032e-001	-4.660322e-002
40	4.100000e+001	3.900000e-001	4.191241e-001	-2.912410e-002
41	4.200000e+001	3.600000e-001	4.117761e-001	-5.177611e-002
42	4.300000e+001	3.500000e-001	4.045569e-001	-5.455694e-002
43	4.400000e+001	3.200000e-001	3.974643e-001	-7.746434e-002
44	4.500000e+001	3.300000e-001	3.904961e-001	-6.049608e-002
45	4.600000e+001	3.300000e-001	3.836500e-001	-5.364999e-002
46	4.700000e+001	3.200000e-001	3.769239e-001	-5.692392e-002
47	4.800000e+001	3.200000e-001	3.703158e-001	-5.031577e-002
48	4.900000e+001	3.200000e-001	3.638235e-001	-4.382348e-002
49	5.000000e+001	3.100000e-001	3.574450e-001	-4.744500e-002
50	5.100000e+001	3.000000e-001	3.511784e-001	-5.117836e-002
51	5.200000e+001	2.900000e-001	3.450216e-001	-5.502157e-002
52	5.300000e+001	2.900000e-001	3.389727e-001	-4.897273e-002
53	5.400000e+001	2.900000e-001	3.330299e-001	-4.302994e-002
54	5.500000e+001	2.900000e-001	3.271913e-001	-3.719133e-002
55	5.600000e+001	2.900000e-001	3.214551e-001	-3.145508e-002
56	5.700000e+001	2.600000e-001	3.158194e-001	-5.581940e-002
57	5.800000e+001	2.800000e-001	3.102825e-001	-3.028252e-002
58	5.900000e+001	2.600000e-001	3.048427e-001	-4.484272e-002
59	6.000000e+001	2.500000e-001	2.994983e-001	-4.949828e-002
60	6.100000e+001	2.600000e-001	2.942475e-001	-3.424754e-002
61	6.200000e+001	2.200000e-001	2.890889e-001	-6.908886e-002
62	6.300000e+001	2.500000e-001	2.840206e-001	-3.402062e-002
63	6.400000e+001	2.400000e-001	2.790412e-001	-3.904123e-002
64	6.500000e+001	2.400000e-001	2.741491e-001	-3.414914e-002
65	6.600000e+001	2.400000e-001	2.693428e-001	-2.934282e-002
66	6.700000e+001	2.200000e-001	2.646208e-001	-4.462076e-002
67	6.800000e+001	2.400000e-001	2.599815e-001	-1.998148e-002
68	6.900000e+001	2.300000e-001	2.554235e-001	-2.542355e-002
69	7.000000e+001	2.200000e-001	2.509455e-001	-3.094552e-002
70	7.100000e+001	2.200000e-001	2.465460e-001	-2.654599e-002
71	7.200000e+001	2.200000e-001	2.422236e-001	-2.222360e-002
72	7.300000e+001	2.200000e-001	2.379770e-001	-1.797699e-002
73	7.400000e+001	2.000000e-001	2.338048e-001	-3.380483e-002

74	7.500000e+001	2.000000e-001	2.297058e-001	-2.970582e-002
75	7.600000e+001	2.000000e-001	2.256787e-001	-2.567866e-002
76	7.700000e+001	1.800000e-001	2.217221e-001	-4.172211e-002
77	7.800000e+001	1.900000e-001	2.178349e-001	-2.783493e-002
78	7.900000e+001	2.000000e-001	2.140159e-001	-1.401590e-002
79	8.000000e+001	2.000000e-001	2.102638e-001	-1.026382e-002
80	8.100000e+001	2.000000e-001	2.065775e-001	-6.577518e-003
81	8.200000e+001	2.000000e-001	2.029558e-001	-2.955846e-003
82	8.300000e+001	1.900000e-001	1.993977e-001	-9.397668e-003
83	8.400000e+001	2.000000e-001	1.959019e-001	4.098128e-003
84	8.500000e+001	1.700000e-001	1.924674e-001	-2.246736e-002
85	8.600000e+001	2.000000e-001	1.890931e-001	1.090693e-002
86	8.700000e+001	1.800000e-001	1.857779e-001	-5.777929e-003
87	8.800000e+001	1.900000e-001	1.825209e-001	7.479089e-003
88	8.900000e+001	1.700000e-001	1.793210e-001	-9.320994e-003
89	9.000000e+001	2.000000e-001	1.761772e-001	2.382282e-002
90	9.100000e+001	1.700000e-001	1.730885e-001	-3.088478e-003
91	9.200000e+001	1.800000e-001	1.700539e-001	9.946072e-003
92	9.300000e+001	1.600000e-001	1.670726e-001	-7.072580e-003
93	9.400000e+001	1.600000e-001	1.641435e-001	-4.143500e-003
94	9.500000e+001	1.700000e-001	1.612658e-001	8.734228e-003
95	9.600000e+001	1.700000e-001	1.584385e-001	1.156150e-002
96	9.700000e+001	1.700000e-001	1.556608e-001	1.433921e-002
97	9.800000e+001	1.600000e-001	1.529318e-001	7.068224e-003
98	9.900000e+001	1.600000e-001	1.502506e-001	9.749391e-003
99	1.000000e+002	1.700000e-001	1.476164e-001	2.238355e-002
100	1.010000e+002	1.700000e-001	1.450285e-001	2.497153e-002
101	1.020000e+002	1.800000e-001	1.424859e-001	3.751414e-002
102	1.030000e+002	1.500000e-001	1.399878e-001	1.001217e-002
103	1.040000e+002	1.500000e-001	1.375336e-001	1.246641e-002
104	1.050000e+002	1.600000e-001	1.351224e-001	2.487761e-002
105	1.060000e+002	1.500000e-001	1.327534e-001	1.724655e-002
106	1.070000e+002	1.600000e-001	1.304260e-001	2.957395e-002
107	1.080000e+002	1.500000e-001	1.281394e-001	2.186056e-002
108	1.090000e+002	1.500000e-001	1.258929e-001	2.410707e-002
109	1.100000e+002	1.500000e-001	1.236858e-001	2.631420e-002
110	1.110000e+002	1.500000e-001	1.215174e-001	2.848263e-002
111	1.120000e+002	1.500000e-001	1.193870e-001	3.061304e-002
112	1.130000e+002	1.500000e-001	1.172939e-001	3.270611e-002
113	1.140000e+002	1.400000e-001	1.152375e-001	2.476248e-002
114	1.150000e+002	1.300000e-001	1.132172e-001	1.678280e-002
115	1.160000e+002	1.500000e-001	1.112323e-001	3.876770e-002



BR-10-RB Test 1 Optimized Curve Fit

BR-10-RB Test 2 Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 96 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 120.4 ft

Initial Displacement
Fixed Value = 1.46555 ft

Hydraulic Conductivity
Calculated Value = 6.64032e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 4.83299

B
Calculated Value = 0.822699

C
Calculated Value = 4.81789

Linear Regression Slope
Fixed Value = -0.0441685 ft/sec

Linear Regression Intercept
Fixed Value = 1.46555 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.044168 ft/sec
Intercept: 1.465548 ft

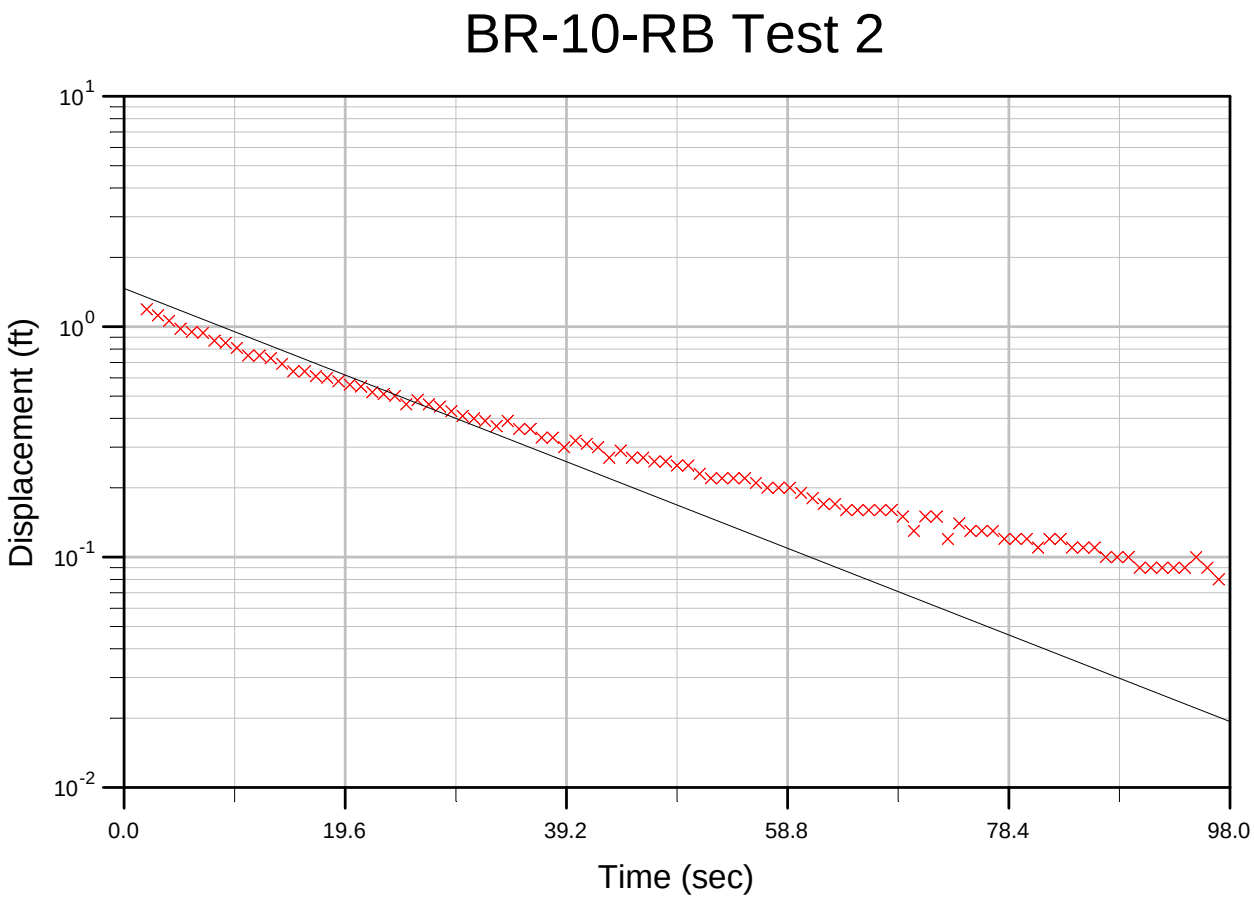
Residual Mean = 0.025896
Residual Standard Dev. = 0.080220
Residual Sum of Squares = 0.682158
Absolute Residual Mean = 0.076601
Minimum Residual = -0.195139
Maximum Residual = 0.091793

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	1.190000e+000	1.341639e+000	-1.516393e-001
1	3.000000e+000	1.120000e+000	1.283671e+000	-1.636707e-001
2	4.000000e+000	1.060000e+000	1.228207e+000	-1.682068e-001
3	5.000000e+000	9.800000e-001	1.175139e+000	-1.951394e-001
4	6.000000e+000	9.500000e-001	1.124365e+000	-1.743649e-001
5	7.000000e+000	9.400000e-001	1.075784e+000	-1.357842e-001
6	8.000000e+000	8.700000e-001	1.029303e+000	-1.593025e-001
7	9.000000e+000	8.500000e-001	9.848292e-001	-1.348292e-001
8	1.000000e+001	8.100000e-001	9.422774e-001	-1.322774e-001
9	1.100000e+001	7.500000e-001	9.015642e-001	-1.515642e-001
10	1.200000e+001	7.500000e-001	8.626101e-001	-1.126101e-001
11	1.300000e+001	7.300000e-001	8.253391e-001	-9.533910e-002
12	1.400000e+001	6.900000e-001	7.896785e-001	-9.967847e-002
13	1.500000e+001	6.400000e-001	7.555586e-001	-1.155586e-001
14	1.600000e+001	6.400000e-001	7.229130e-001	-8.291304e-002
15	1.700000e+001	6.100000e-001	6.916780e-001	-8.167796e-002
16	1.800000e+001	6.000000e-001	6.617925e-001	-6.179246e-002

17	1.900000e+001	5.800000e-001	6.331982e-001	-5.319823e-002
18	2.000000e+001	5.600000e-001	6.058395e-001	-4.583948e-002
19	2.100000e+001	5.500000e-001	5.796628e-001	-2.966282e-002
20	2.200000e+001	5.200000e-001	5.546172e-001	-3.461719e-002
21	2.300000e+001	5.100000e-001	5.306537e-001	-2.065371e-002
22	2.400000e+001	5.000000e-001	5.077256e-001	-7.725626e-003
23	2.500000e+001	4.600000e-001	4.857882e-001	-2.578820e-002
24	2.600000e+001	4.800000e-001	4.647986e-001	1.520137e-002
25	2.700000e+001	4.600000e-001	4.447160e-001	1.528404e-002
26	2.800000e+001	4.500000e-001	4.255010e-001	2.449899e-002
27	2.900000e+001	4.300000e-001	4.071163e-001	2.288371e-002
28	3.000000e+001	4.100000e-001	3.895259e-001	2.047409e-002
29	3.100000e+001	4.000000e-001	3.726956e-001	2.730443e-002
30	3.200000e+001	3.900000e-001	3.565924e-001	3.340758e-002
31	3.300000e+001	3.700000e-001	3.411850e-001	2.881495e-002
32	3.400000e+001	3.900000e-001	3.264434e-001	6.355662e-002
33	3.500000e+001	3.600000e-001	3.123387e-001	4.766134e-002
34	3.600000e+001	3.600000e-001	2.988434e-001	6.115663e-002
35	3.700000e+001	3.300000e-001	2.859312e-001	4.406883e-002
36	3.800000e+001	3.300000e-001	2.735769e-001	5.642313e-002
37	3.900000e+001	3.000000e-001	2.617564e-001	3.824363e-002
38	4.000000e+001	3.200000e-001	2.504466e-001	6.955340e-002
39	4.100000e+001	3.100000e-001	2.396255e-001	7.037451e-002
40	4.200000e+001	3.000000e-001	2.292719e-001	7.072807e-002
41	4.300000e+001	2.700000e-001	2.193657e-001	5.063427e-002
42	4.400000e+001	2.900000e-001	2.098875e-001	8.011246e-002
43	4.500000e+001	2.700000e-001	2.008189e-001	6.918112e-002
44	4.600000e+001	2.700000e-001	1.921420e-001	7.785795e-002
45	4.700000e+001	2.600000e-001	1.838401e-001	7.615988e-002
46	4.800000e+001	2.600000e-001	1.758969e-001	8.410311e-002
47	4.900000e+001	2.500000e-001	1.682969e-001	8.170313e-002
48	5.000000e+001	2.500000e-001	1.610252e-001	8.897477e-002
49	5.100000e+001	2.300000e-001	1.540678e-001	7.593223e-002
50	5.200000e+001	2.200000e-001	1.474109e-001	7.258907e-002
51	5.300000e+001	2.200000e-001	1.410417e-001	7.895829e-002
52	5.400000e+001	2.200000e-001	1.349477e-001	8.505232e-002
53	5.500000e+001	2.200000e-001	1.291170e-001	9.088303e-002
54	5.600000e+001	2.100000e-001	1.235382e-001	8.646182e-002
55	5.700000e+001	2.000000e-001	1.182004e-001	8.179957e-002
56	5.800000e+001	2.000000e-001	1.130933e-001	8.690668e-002
57	5.900000e+001	2.000000e-001	1.082069e-001	9.179313e-002
58	6.000000e+001	1.900000e-001	1.035315e-001	8.646845e-002
59	6.100000e+001	1.800000e-001	9.905824e-002	8.094176e-002
60	6.200000e+001	1.700000e-001	9.477820e-002	7.522180e-002
61	6.300000e+001	1.700000e-001	9.068310e-002	7.931690e-002
62	6.400000e+001	1.600000e-001	8.676493e-002	7.323507e-002
63	6.500000e+001	1.600000e-001	8.301606e-002	7.698394e-002
64	6.600000e+001	1.600000e-001	7.942916e-002	8.057084e-002
65	6.700000e+001	1.600000e-001	7.599725e-002	8.400275e-002
66	6.800000e+001	1.600000e-001	7.271362e-002	8.728638e-002
67	6.900000e+001	1.500000e-001	6.957186e-002	8.042814e-002
68	7.000000e+001	1.300000e-001	6.656585e-002	6.343415e-002
69	7.100000e+001	1.500000e-001	6.368972e-002	8.631028e-002
70	7.200000e+001	1.500000e-001	6.093787e-002	8.906213e-002
71	7.300000e+001	1.200000e-001	5.830491e-002	6.169509e-002
72	7.400000e+001	1.400000e-001	5.578572e-002	8.421428e-002
73	7.500000e+001	1.300000e-001	5.337537e-002	7.662463e-002

74	7.600000e+001	1.300000e-001	5.106917e-002	7.893083e-002
75	7.700000e+001	1.300000e-001	4.886261e-002	8.113739e-002
76	7.800000e+001	1.200000e-001	4.675139e-002	7.324861e-002
77	7.900000e+001	1.200000e-001	4.473139e-002	7.526861e-002
78	8.000000e+001	1.200000e-001	4.279867e-002	7.720133e-002
79	8.100000e+001	1.100000e-001	4.094946e-002	6.905054e-002
80	8.200000e+001	1.200000e-001	3.918014e-002	8.081986e-002
81	8.300000e+001	1.200000e-001	3.748728e-002	8.251272e-002
82	8.400000e+001	1.100000e-001	3.586756e-002	7.413244e-002
83	8.500000e+001	1.100000e-001	3.431782e-002	7.568218e-002
84	8.600000e+001	1.100000e-001	3.283504e-002	7.716496e-002
85	8.700000e+001	1.000000e-001	3.141633e-002	6.858367e-002
86	8.800000e+001	1.000000e-001	3.005892e-002	6.994108e-002
87	8.900000e+001	1.000000e-001	2.876015e-002	7.123985e-002
88	9.000000e+001	9.000000e-002	2.751751e-002	6.248249e-002
89	9.100000e+001	9.000000e-002	2.632855e-002	6.367145e-002
90	9.200000e+001	9.000000e-002	2.519097e-002	6.480903e-002
91	9.300000e+001	9.000000e-002	2.410253e-002	6.589747e-002
92	9.400000e+001	9.000000e-002	2.306113e-002	6.693887e-002
93	9.500000e+001	1.000000e-001	2.206472e-002	7.793528e-002
94	9.600000e+001	9.000000e-002	2.111137e-002	6.888863e-002
95	9.700000e+001	8.000000e-002	2.019920e-002	5.980080e-002



BR-10-RB Test 2 Manual Match

BR-10-RB Test 2 Optimized Curve Fit

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 96 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 120.4 ft

Initial Displacement
Fixed Value = 0.972006 ft

Hydraulic Conductivity
Calculated Value = 3.99432e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 4.83299

B
Calculated Value = 0.822699

C
Calculated Value = 4.81789

Linear Regression Slope
Fixed Value = -0.0265684 ft/sec

Linear Regression Intercept
Fixed Value = 0.972006 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.026568 ft/sec
Intercept: 0.972006 ft

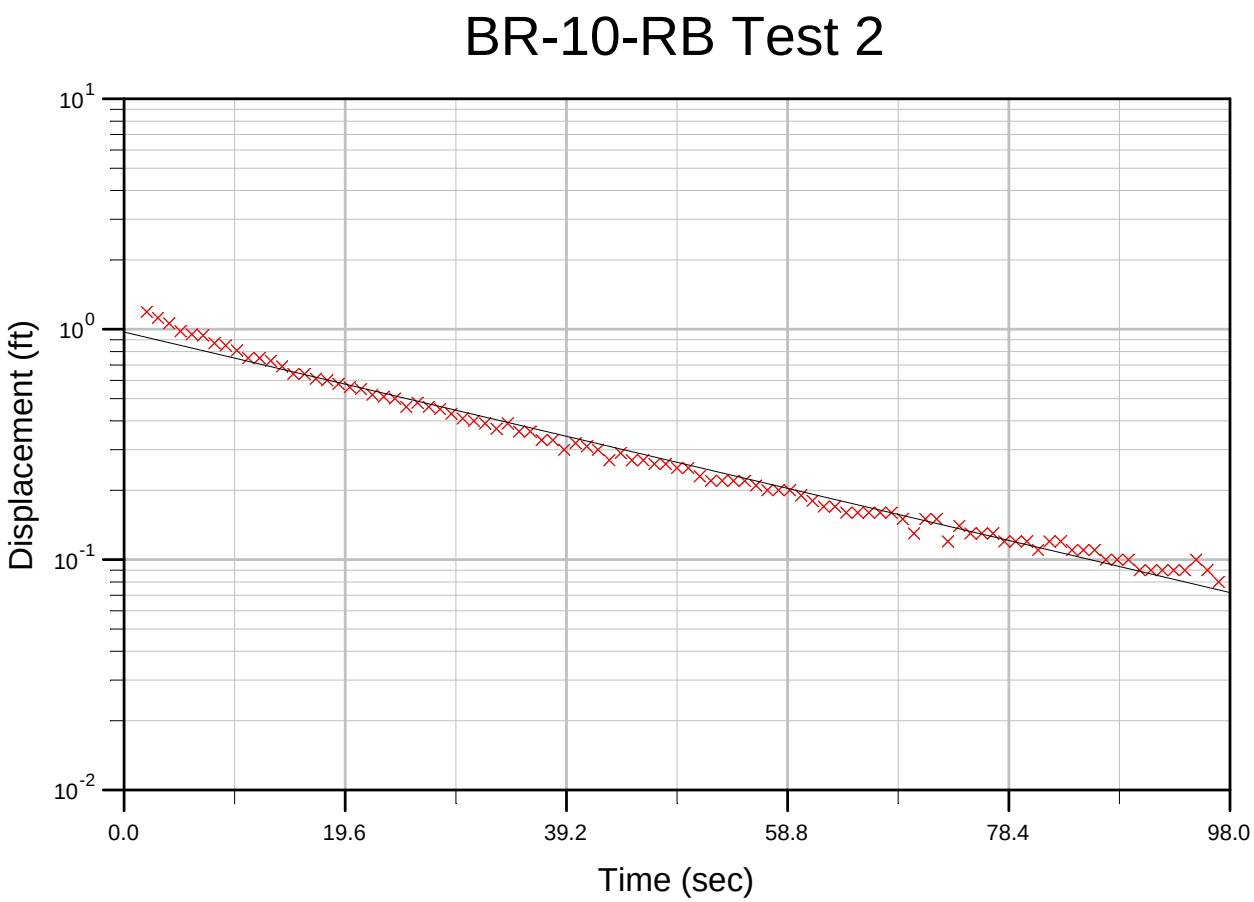
Residual Mean = 0.007070
Residual Standard Dev. = 0.050500
Residual Sum of Squares = 0.249624
Absolute Residual Mean = 0.026008
Minimum Residual = -0.044879
Maximum Residual = 0.268295

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	1.190000e+000	9.217048e-001	2.682952e-001
1	3.000000e+000	1.120000e+000	8.975390e-001	2.224610e-001
2	4.000000e+000	1.060000e+000	8.740068e-001	1.859932e-001
3	5.000000e+000	9.800000e-001	8.510916e-001	1.289084e-001
4	6.000000e+000	9.500000e-001	8.287772e-001	1.212228e-001
5	7.000000e+000	9.400000e-001	8.070478e-001	1.329522e-001
6	8.000000e+000	8.700000e-001	7.858882e-001	8.411185e-002
7	9.000000e+000	8.500000e-001	7.652833e-001	8.471672e-002
8	1.000000e+001	8.100000e-001	7.452186e-001	6.478137e-002
9	1.100000e+001	7.500000e-001	7.256801e-001	2.431994e-002
10	1.200000e+001	7.500000e-001	7.066538e-001	4.334625e-002
11	1.300000e+001	7.300000e-001	6.881263e-001	4.187371e-002
12	1.400000e+001	6.900000e-001	6.700846e-001	1.991541e-002
13	1.500000e+001	6.400000e-001	6.525159e-001	-1.251593e-002
14	1.600000e+001	6.400000e-001	6.354079e-001	4.592119e-003
15	1.700000e+001	6.100000e-001	6.187484e-001	-8.748386e-003
16	1.800000e+001	6.000000e-001	6.025257e-001	-2.525680e-003

17	1.900000e+001	5.800000e-001	5.867283e-001	-6.728309e-003
18	2.000000e+001	5.600000e-001	5.713451e-001	-1.134512e-002
19	2.100000e+001	5.500000e-001	5.563653e-001	-6.365263e-003
20	2.200000e+001	5.200000e-001	5.417782e-001	-2.177815e-002
21	2.300000e+001	5.100000e-001	5.275735e-001	-1.757350e-002
22	2.400000e+001	5.000000e-001	5.137413e-001	-1.374127e-002
23	2.500000e+001	4.600000e-001	5.002717e-001	-4.027170e-002
24	2.600000e+001	4.800000e-001	4.871553e-001	-7.155283e-003
25	2.700000e+001	4.600000e-001	4.743828e-001	-1.438276e-002
26	2.800000e+001	4.500000e-001	4.619451e-001	-1.194512e-002
27	2.900000e+001	4.300000e-001	4.498336e-001	-1.983357e-002
28	3.000000e+001	4.100000e-001	4.380396e-001	-2.803957e-002
29	3.100000e+001	4.000000e-001	4.265548e-001	-2.655479e-002
30	3.200000e+001	3.900000e-001	4.153711e-001	-2.537113e-002
31	3.300000e+001	3.700000e-001	4.044807e-001	-3.448069e-002
32	3.400000e+001	3.900000e-001	3.938758e-001	-3.875776e-003
33	3.500000e+001	3.600000e-001	3.835489e-001	-2.354891e-002
34	3.600000e+001	3.600000e-001	3.734928e-001	-1.349280e-002
35	3.700000e+001	3.300000e-001	3.637003e-001	-3.370035e-002
36	3.800000e+001	3.300000e-001	3.541646e-001	-2.416464e-002
37	3.900000e+001	3.000000e-001	3.448789e-001	-4.487895e-002
38	4.000000e+001	3.200000e-001	3.358367e-001	-1.583671e-002
39	4.100000e+001	3.100000e-001	3.270315e-001	-1.703154e-002
40	4.200000e+001	3.000000e-001	3.184572e-001	-1.845724e-002
41	4.300000e+001	2.700000e-001	3.101077e-001	-4.010774e-002
42	4.400000e+001	2.900000e-001	3.019772e-001	-1.197716e-002
43	4.500000e+001	2.700000e-001	2.940597e-001	-2.405974e-002
44	4.600000e+001	2.700000e-001	2.863499e-001	-1.634991e-002
45	4.700000e+001	2.600000e-001	2.788422e-001	-1.884222e-002
46	4.800000e+001	2.600000e-001	2.715314e-001	-1.153138e-002
47	4.900000e+001	2.500000e-001	2.644122e-001	-1.441221e-002
48	5.000000e+001	2.500000e-001	2.574797e-001	-7.479693e-003
49	5.100000e+001	2.300000e-001	2.507289e-001	-2.072894e-002
50	5.200000e+001	2.200000e-001	2.441552e-001	-2.415518e-002
51	5.300000e+001	2.200000e-001	2.377538e-001	-1.775378e-002
52	5.400000e+001	2.200000e-001	2.315202e-001	-1.152021e-002
53	5.500000e+001	2.200000e-001	2.254501e-001	-5.450079e-003
54	5.600000e+001	2.100000e-001	2.195391e-001	-9.539098e-003
55	5.700000e+001	2.000000e-001	2.137831e-001	-1.378309e-002
56	5.800000e+001	2.000000e-001	2.081780e-001	-8.178003e-003
57	5.900000e+001	2.000000e-001	2.027199e-001	-2.719871e-003
58	6.000000e+001	1.900000e-001	1.974048e-001	-7.404843e-003
59	6.100000e+001	1.800000e-001	1.922292e-001	-1.222917e-002
60	6.200000e+001	1.700000e-001	1.871892e-001	-1.718919e-002
61	6.300000e+001	1.700000e-001	1.822814e-001	-1.228135e-002
62	6.400000e+001	1.600000e-001	1.775022e-001	-1.750220e-002
63	6.500000e+001	1.600000e-001	1.728483e-001	-1.284834e-002
64	6.600000e+001	1.600000e-001	1.683165e-001	-8.316501e-003
65	6.700000e+001	1.600000e-001	1.639035e-001	-3.903480e-003
66	6.800000e+001	1.600000e-001	1.596062e-001	3.938368e-004
67	6.900000e+001	1.500000e-001	1.554215e-001	-5.421516e-003
68	7.000000e+001	1.300000e-001	1.513466e-001	-2.134658e-002
69	7.100000e+001	1.500000e-001	1.473785e-001	2.621510e-003
70	7.200000e+001	1.500000e-001	1.435144e-001	6.485565e-003
71	7.300000e+001	1.200000e-001	1.397517e-001	-1.975169e-002
72	7.400000e+001	1.400000e-001	1.360876e-001	3.912402e-003
73	7.500000e+001	1.300000e-001	1.325196e-001	-2.519574e-003

74	7.600000e+001	1.300000e-001	1.290451e-001	9.549016e-004
75	7.700000e+001	1.300000e-001	1.256617e-001	4.338281e-003
76	7.800000e+001	1.200000e-001	1.223670e-001	-2.367046e-003
77	7.900000e+001	1.200000e-001	1.191588e-001	8.412445e-004
78	8.000000e+001	1.200000e-001	1.160346e-001	3.965418e-003
79	8.100000e+001	1.100000e-001	1.129923e-001	-2.992319e-003
80	8.200000e+001	1.200000e-001	1.100298e-001	9.970179e-003
81	8.300000e+001	1.200000e-001	1.071450e-001	1.285501e-002
82	8.400000e+001	1.100000e-001	1.043358e-001	5.664196e-003
83	8.500000e+001	1.100000e-001	1.016003e-001	8.399733e-003
84	8.600000e+001	1.100000e-001	9.893645e-002	1.106355e-002
85	8.700000e+001	1.000000e-001	9.634248e-002	3.657522e-003
86	8.800000e+001	1.000000e-001	9.381652e-002	6.183485e-003
87	8.900000e+001	1.000000e-001	9.135678e-002	8.643221e-003
88	9.000000e+001	9.000000e-002	8.896153e-002	1.038467e-003
89	9.100000e+001	9.000000e-002	8.662909e-002	3.370912e-003
90	9.200000e+001	9.000000e-002	8.435780e-002	5.642204e-003
91	9.300000e+001	9.000000e-002	8.214605e-002	7.853946e-003
92	9.400000e+001	9.000000e-002	7.999230e-002	1.000770e-002
93	9.500000e+001	1.000000e-001	7.789502e-002	2.210498e-002
94	9.600000e+001	9.000000e-002	7.585272e-002	1.414728e-002
95	9.700000e+001	8.000000e-002	7.386397e-002	6.136032e-003



BR-10-RB Test 2 Optimized Curve Fit

BR-10-RB Test 3, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 22 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 120.4 ft

Initial Displacement
Fixed Value = 3.90841 ft

Hydraulic Conductivity
Calculated Value = 2.24757e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 4.83295

B
Calculated Value = 0.82269

C
Calculated Value = 4.81783

Linear Regression Slope
Fixed Value = -0.0149494 ft/sec

Linear Regression Intercept
Fixed Value = 3.90841 ft

ANALYSIS STATISTICS

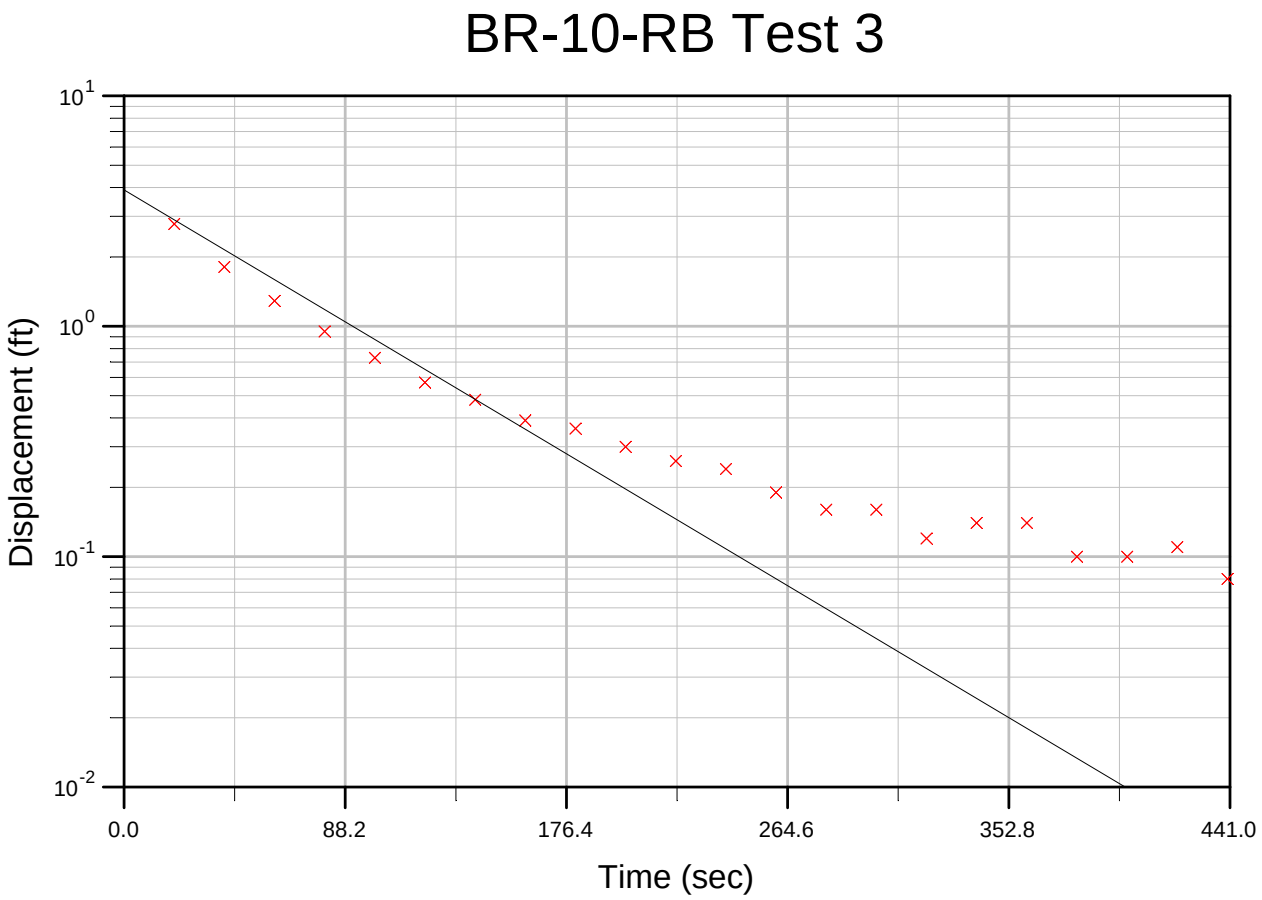
Regression Line
Slope: -0.014949 ft/sec
Intercept: 3.908409 ft

Residual Mean = 0.011836
Residual Standard Dev. = 0.143743
Residual Sum of Squares = 0.457645
Absolute Residual Mean = 0.122932
Minimum Residual = -0.339330
Maximum Residual = 0.131902

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+001	2.780000e+000	2.898355e+000	-1.183549e-001
1	4.000000e+001	1.810000e+000	2.149330e+000	-3.393302e-001
2	6.000000e+001	1.290000e+000	1.593877e+000	-3.038766e-001
3	8.000000e+001	9.500000e-001	1.181970e+000	-2.319695e-001
4	1.000000e+002	7.300000e-001	8.765120e-001	-1.465120e-001
5	1.200000e+002	5.700000e-001	6.499941e-001	-7.999410e-002
6	1.400000e+002	4.800000e-001	4.820155e-001	-2.015480e-003
7	1.600000e+002	3.900000e-001	3.574477e-001	3.255226e-002
8	1.800000e+002	3.600000e-001	2.650722e-001	9.492784e-002
9	2.000000e+002	3.000000e-001	1.965693e-001	1.034307e-001
10	2.200000e+002	2.600000e-001	1.457697e-001	1.142303e-001
11	2.400000e+002	2.400000e-001	1.080983e-001	1.319017e-001
12	2.600000e+002	1.900000e-001	8.016234e-002	1.098377e-001
13	2.800000e+002	1.600000e-001	5.944591e-002	1.005541e-001
14	3.000000e+002	1.600000e-001	4.408324e-002	1.159168e-001
15	3.200000e+002	1.200000e-001	3.269077e-002	8.730923e-002
16	3.400000e+002	1.400000e-001	2.424246e-002	1.157575e-001

17	3.600000e+002	1.400000e-001	1.797746e-002	1.220225e-001
18	3.800000e+002	1.000000e-001	1.333152e-002	8.666848e-002
19	4.000000e+002	1.000000e-001	9.886245e-003	9.011375e-002
20	4.200000e+002	1.100000e-001	7.331333e-003	1.026687e-001
21	4.400000e+002	8.000000e-002	5.436689e-003	7.456331e-002



BR-10-RB Test 3, Manual Match

BR-10-RB Test 3, Optimized

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 22 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 120.4 ft

Initial Displacement
Fixed Value = 1.69154 ft

Hydraulic Conductivity
Calculated Value = 1.12948e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 4.83295

B
Calculated Value = 0.82269

C
Calculated Value = 4.81783

Linear Regression Slope
Fixed Value = -0.00751259 ft/sec

Linear Regression Intercept
Fixed Value = 1.69154 ft

ANALYSIS STATISTICS

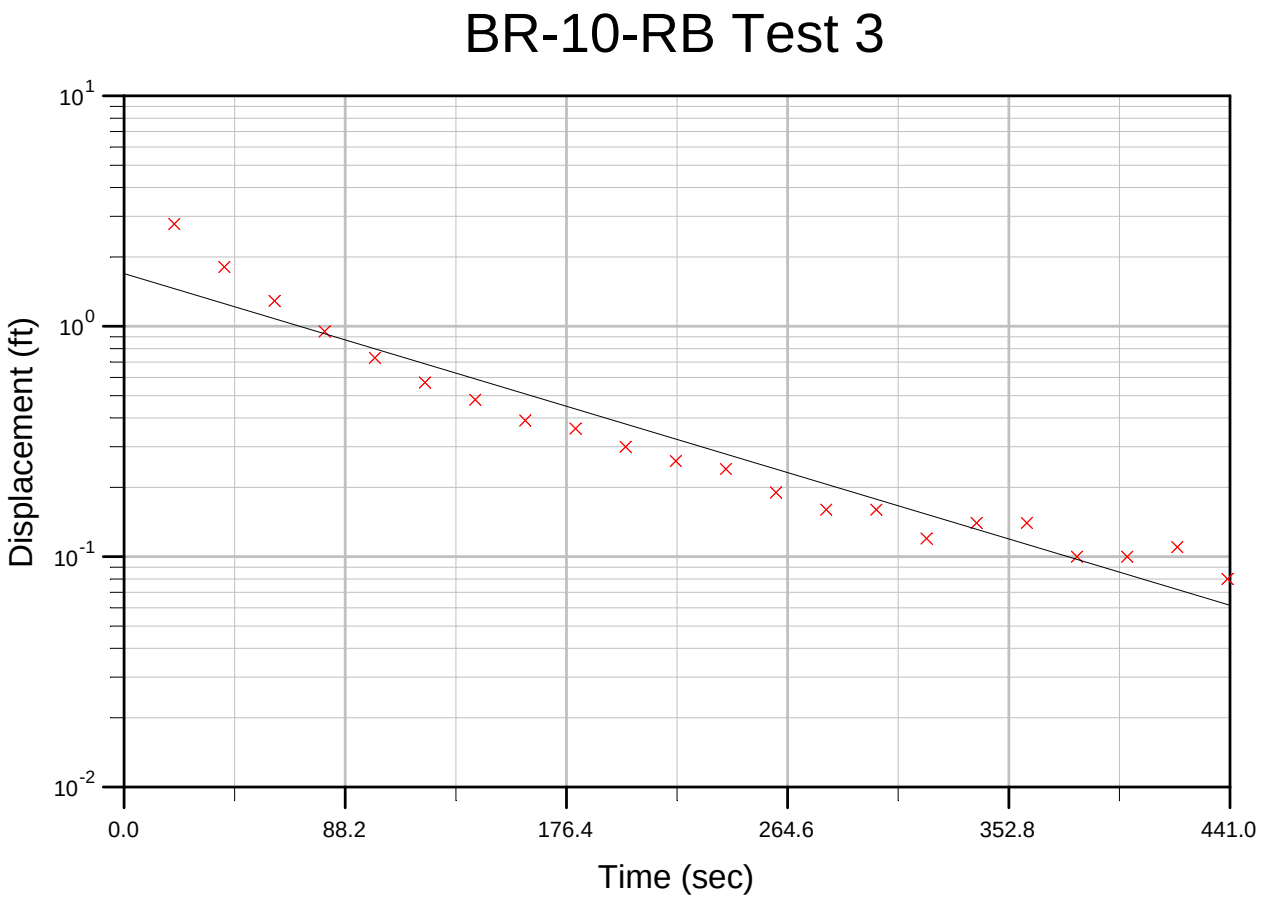
Regression Line
Slope: -0.007513 ft/sec
Intercept: 1.691540 ft

Residual Mean = 0.064057
Residual Standard Dev. = 0.308304
Residual Sum of Squares = 2.181401
Absolute Residual Mean = 0.138378
Minimum Residual = -0.118457
Maximum Residual = 1.324445

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+001	2.780000e+000	1.455555e+000	1.324445e+000
1	4.000000e+001	1.810000e+000	1.252493e+000	5.575073e-001
2	6.000000e+001	1.290000e+000	1.077759e+000	2.122410e-001
3	8.000000e+001	9.500000e-001	9.274021e-001	2.259785e-002
4	1.000000e+002	7.300000e-001	7.980214e-001	-6.802142e-002
5	1.200000e+002	5.700000e-001	6.866904e-001	-1.166904e-001
6	1.400000e+002	4.800000e-001	5.908911e-001	-1.108911e-001
7	1.600000e+002	3.900000e-001	5.084566e-001	-1.184566e-001
8	1.800000e+002	3.600000e-001	4.375224e-001	-7.752245e-002
9	2.000000e+002	3.000000e-001	3.764842e-001	-7.648423e-002
10	2.200000e+002	2.600000e-001	3.239614e-001	-6.396138e-002
11	2.400000e+002	2.400000e-001	2.787659e-001	-3.876592e-002
12	2.600000e+002	1.900000e-001	2.398756e-001	-4.987563e-002
13	2.800000e+002	1.600000e-001	2.064109e-001	-4.641088e-002
14	3.000000e+002	1.600000e-001	1.776148e-001	-1.761475e-002
15	3.200000e+002	1.200000e-001	1.528359e-001	-3.283594e-002
16	3.400000e+002	1.400000e-001	1.315140e-001	8.486018e-003

17	3.600000e+002	1.400000e-001	1.131666e-001	2.683337e-002
18	3.800000e+002	1.000000e-001	9.737889e-002	2.621109e-003
19	4.000000e+002	1.000000e-001	8.379368e-002	1.620632e-002
20	4.200000e+002	1.100000e-001	7.210373e-002	3.789627e-002
21	4.400000e+002	8.000000e-002	6.204463e-002	1.795537e-002



BR-10-RB Test 3, Optimized

BR-10-RB Test 4, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 14 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 120.4 ft

Initial Displacement
Fixed Value = 3.74973 ft

Hydraulic Conductivity
Calculated Value = 1.00569e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 8.03839

B
Calculated Value = 2.1132

C
Calculated Value = 10.4959

Linear Regression Slope
Fixed Value = -0.0218513 ft/sec

Linear Regression Intercept
Fixed Value = 3.74973 ft

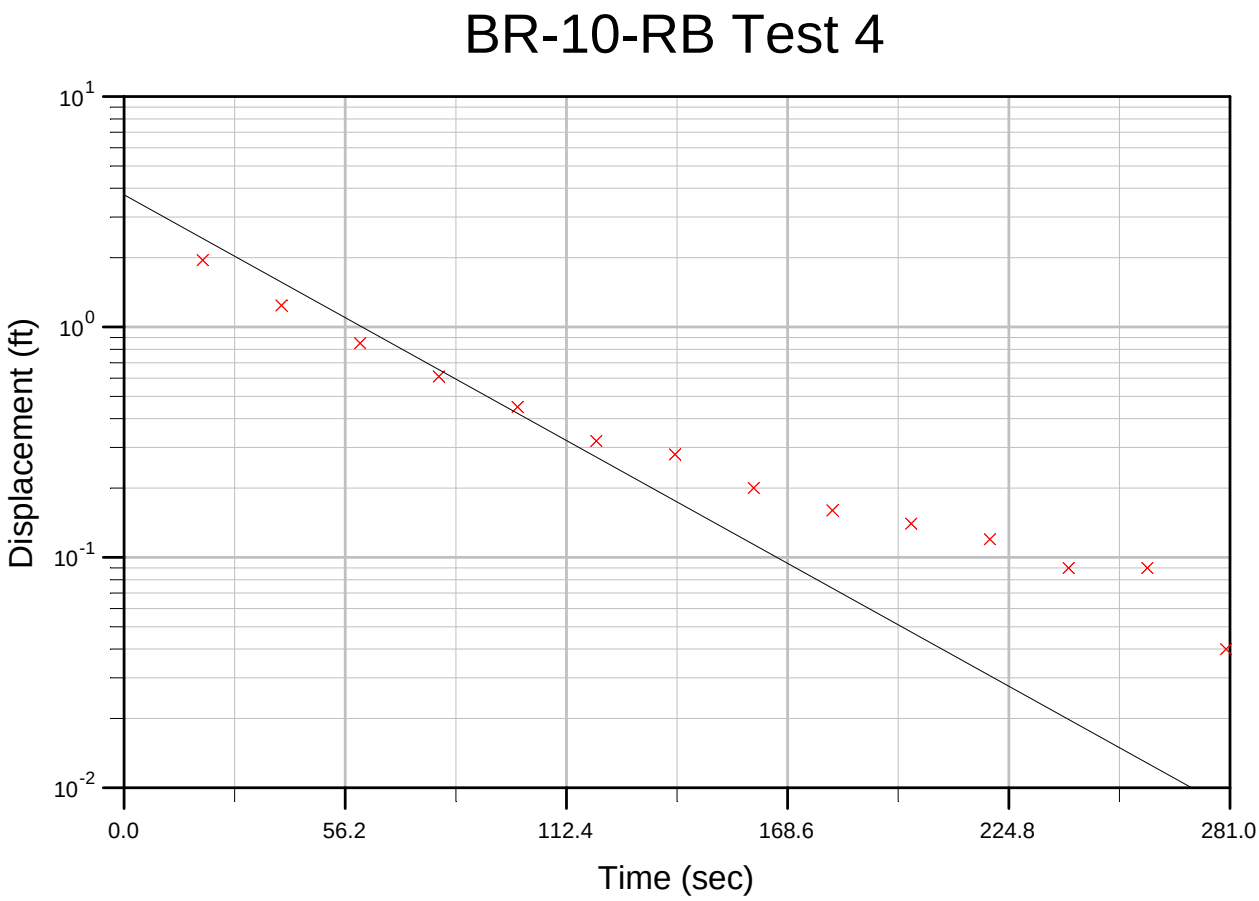
ANALYSIS STATISTICS

Regression Line
Slope: -0.021851 ft/sec
Intercept: 3.749730 ft

Residual Mean = -0.020449
Residual Standard Dev. = 0.170584
Residual Sum of Squares = 0.413238
Absolute Residual Mean = 0.122444
Minimum Residual = -0.472153
Maximum Residual = 0.104041

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+001	1.950000e+000	2.422153e+000	-4.721535e-001
1	4.000000e+001	1.240000e+000	1.564600e+000	-3.246000e-001
2	6.000000e+001	8.500000e-001	1.010660e+000	-1.606598e-001
3	8.000000e+001	6.100000e-001	6.528398e-001	-4.283983e-002
4	1.000000e+002	4.500000e-001	4.217046e-001	2.829543e-002
5	1.200000e+002	3.200000e-001	2.724018e-001	4.759821e-002
6	1.400000e+002	2.800000e-001	1.759591e-001	1.040409e-001
7	1.600000e+002	2.000000e-001	1.136615e-001	8.633853e-002
8	1.800000e+002	1.600000e-001	7.342010e-002	8.657990e-002
9	2.000000e+002	1.400000e-001	4.742601e-002	9.257399e-002
10	2.200000e+002	1.200000e-001	3.063503e-002	8.936497e-002
11	2.400000e+002	9.000000e-002	1.978882e-002	7.021118e-002
12	2.600000e+002	9.000000e-002	1.278267e-002	7.721733e-002
13	2.800000e+002	4.000000e-002	8.257018e-003	3.174298e-002



BR-10-RB Test 4, Manual Match

BR-10-RB Test 4, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 14 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 120.4 ft

Initial Displacement
Fixed Value = 1.89724 ft

Hydraulic Conductivity
Calculated Value = 6.02995e-006 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 8.03839

B
Calculated Value = 2.1132

C
Calculated Value = 10.4959

Linear Regression Slope
Fixed Value = -0.0131017 ft/sec

Linear Regression Intercept
Fixed Value = 1.89724 ft

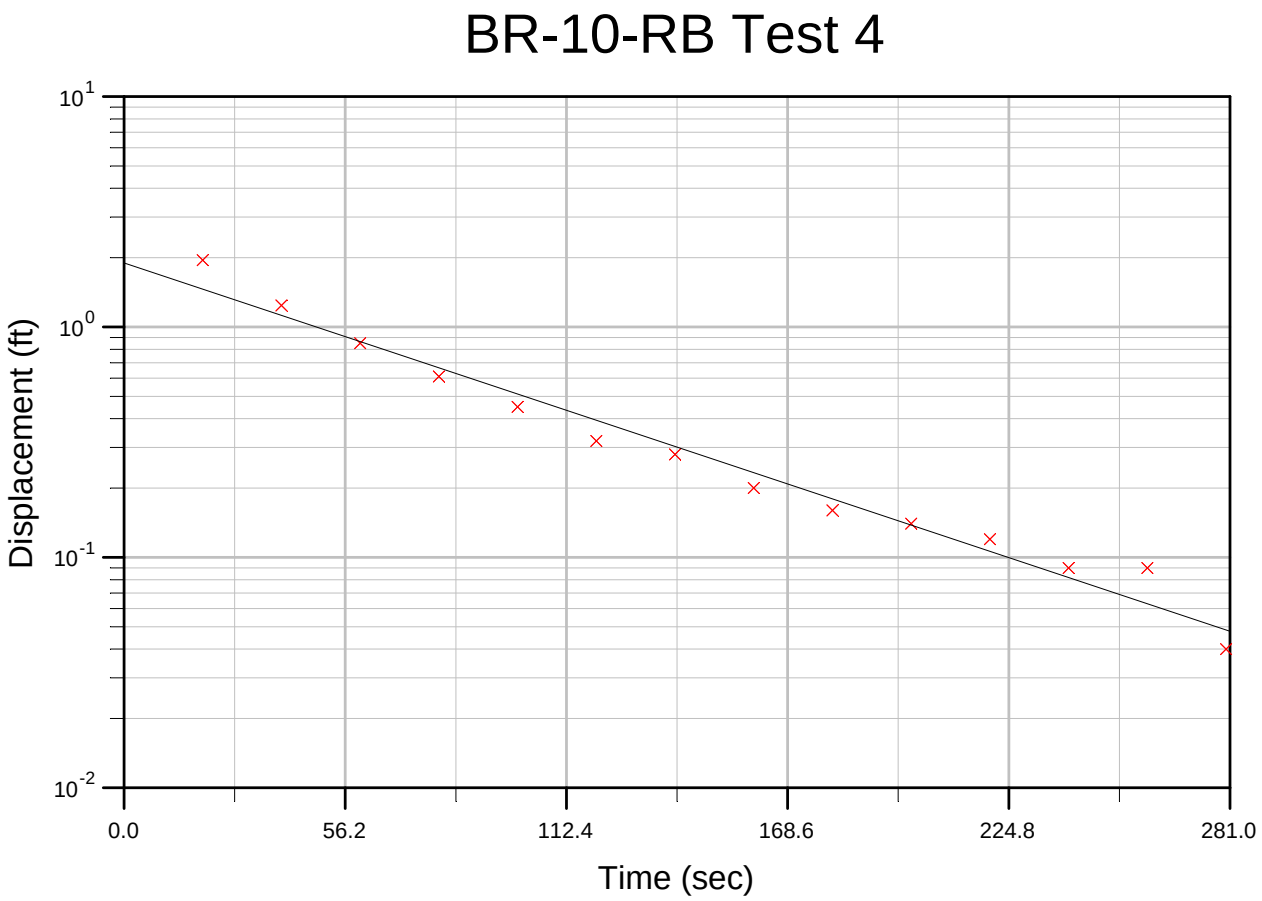
ANALYSIS STATISTICS

Regression Line
Slope: -0.013102 ft/sec
Intercept: 1.897239 ft

Residual Mean = 0.026314
Residual Standard Dev. = 0.136201
Residual Sum of Squares = 0.269406
Absolute Residual Mean = 0.067649
Minimum Residual = -0.073843
Maximum Residual = 0.490103

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+001	1.950000e+000	1.459897e+000	4.901028e-001
1	4.000000e+001	1.240000e+000	1.123369e+000	1.166309e-001
2	6.000000e+001	8.500000e-001	8.644157e-001	-1.441573e-002
3	8.000000e+001	6.100000e-001	6.651550e-001	-5.515500e-002
4	1.000000e+002	4.500000e-001	5.118268e-001	-6.182685e-002
5	1.200000e+002	3.200000e-001	3.938431e-001	-7.384312e-002
6	1.400000e+002	2.800000e-001	3.030564e-001	-2.305640e-002
7	1.600000e+002	2.000000e-001	2.331974e-001	-3.319738e-002
8	1.800000e+002	1.600000e-001	1.794419e-001	-1.944190e-002
9	2.000000e+002	1.400000e-001	1.380779e-001	1.922136e-003
10	2.200000e+002	1.200000e-001	1.062489e-001	1.375114e-002
11	2.400000e+002	9.000000e-002	8.175691e-002	8.243092e-003
12	2.600000e+002	9.000000e-002	6.291072e-002	2.708928e-002
13	2.800000e+002	4.000000e-002	4.840886e-002	-8.408860e-003



BR-10-RB Test 4, Optimized Match

BR-11-JC Test 1, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 60 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 20 ft

Depth to Screen Top
Fixed Value = 131 ft

Initial Displacement
Fixed Value = 2.02186 ft

Hydraulic Conductivity
Calculated Value = 2.04541e-006 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 6.54777

B
Calculated Value = 1.2968

C
Calculated Value = 7.75796

Linear Regression Slope
Fixed Value = -0.00243077 ft/sec

Linear Regression Intercept
Fixed Value = 2.02186 ft

ANALYSIS STATISTICS

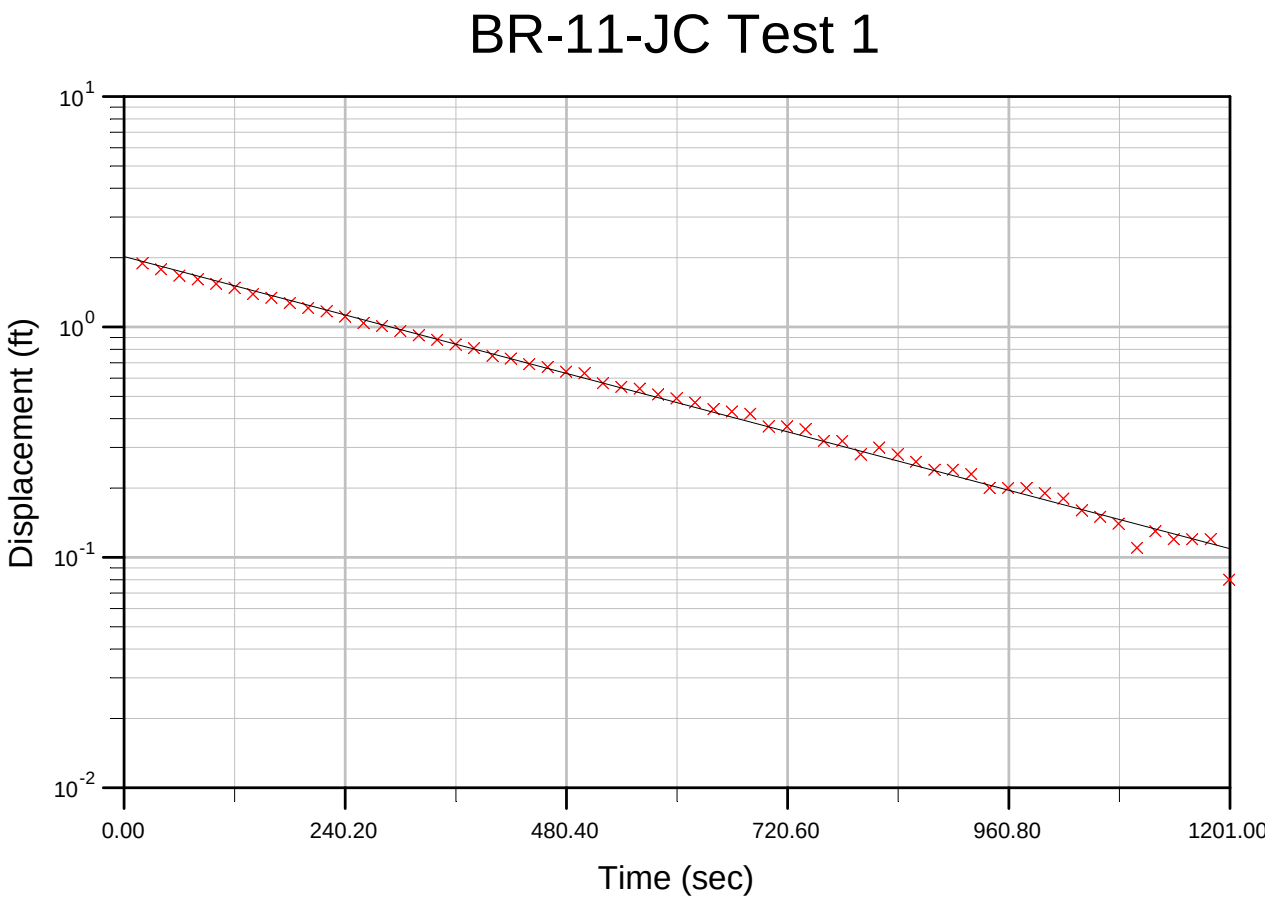
Regression Line
Slope: -0.002431 ft/sec
Intercept: 2.021857 ft

Residual Mean = -0.004507
Residual Standard Dev. = 0.023410
Residual Sum of Squares = 0.034099
Absolute Residual Mean = 0.017950
Minimum Residual = -0.077472
Maximum Residual = 0.032835

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+001	1.890000e+000	1.925915e+000	-3.591457e-002
1	4.000000e+001	1.780000e+000	1.834525e+000	-5.452510e-002
2	6.000000e+001	1.670000e+000	1.747472e+000	-7.747228e-002
3	8.000000e+001	1.610000e+000	1.664550e+000	-5.455034e-002
4	1.000000e+002	1.540000e+000	1.585563e+000	-4.556326e-002
5	1.200000e+002	1.480000e+000	1.510324e+000	-3.032431e-002
6	1.400000e+002	1.390000e+000	1.438656e+000	-4.865563e-002
7	1.600000e+002	1.340000e+000	1.370388e+000	-3.038782e-002
8	1.800000e+002	1.270000e+000	1.305359e+000	-3.535948e-002
9	2.000000e+002	1.210000e+000	1.243417e+000	-3.341690e-002
10	2.200000e+002	1.170000e+000	1.184414e+000	-1.441365e-002
11	2.400000e+002	1.110000e+000	1.128210e+000	-1.821025e-002
12	2.600000e+002	1.040000e+000	1.074674e+000	-3.467385e-002
13	2.800000e+002	1.010000e+000	1.023678e+000	-1.367788e-002
14	3.000000e+002	9.600000e-001	9.751018e-001	-1.510180e-002
15	3.200000e+002	9.200000e-001	9.288308e-001	-8.830775e-003
16	3.400000e+002	8.800000e-001	8.847554e-001	-4.755426e-003

17	3.600000e+002	8.400000e-001	8.427716e-001	-2.771564e-003
18	3.800000e+002	8.100000e-001	8.027799e-001	7.220060e-003
19	4.000000e+002	7.500000e-001	7.646860e-001	-1.468602e-002
20	4.200000e+002	7.300000e-001	7.283998e-001	1.600249e-003
21	4.400000e+002	6.900000e-001	6.938354e-001	-3.835357e-003
22	4.600000e+002	6.700000e-001	6.609111e-001	9.088870e-003
23	4.800000e+002	6.400000e-001	6.295492e-001	1.045076e-002
24	5.000000e+002	6.300000e-001	5.996756e-001	3.032445e-002
25	5.200000e+002	5.700000e-001	5.712194e-001	-1.219443e-003
26	5.400000e+002	5.500000e-001	5.441136e-001	5.886351e-003
27	5.600000e+002	5.400000e-001	5.182941e-001	2.170591e-002
28	5.800000e+002	5.100000e-001	4.936997e-001	1.630026e-002
29	6.000000e+002	4.900000e-001	4.702724e-001	1.972755e-002
30	6.200000e+002	4.700000e-001	4.479568e-001	2.204316e-002
31	6.400000e+002	4.400000e-001	4.267002e-001	1.329983e-002
32	6.600000e+002	4.300000e-001	4.064522e-001	2.354783e-002
33	6.800000e+002	4.200000e-001	3.871650e-001	3.283500e-002
34	7.000000e+002	3.700000e-001	3.687930e-001	1.206950e-003
35	7.200000e+002	3.700000e-001	3.512929e-001	1.870710e-002
36	7.400000e+002	3.600000e-001	3.346232e-001	2.537683e-002
37	7.600000e+002	3.200000e-001	3.187445e-001	1.255541e-003
38	7.800000e+002	3.200000e-001	3.036192e-001	1.638076e-002
39	8.000000e+002	2.800000e-001	2.892117e-001	-9.211741e-003
40	8.200000e+002	3.000000e-001	2.754879e-001	2.451208e-002
41	8.400000e+002	2.800000e-001	2.624153e-001	1.758467e-002
42	8.600000e+002	2.600000e-001	2.499631e-001	1.003694e-002
43	8.800000e+002	2.400000e-001	2.381017e-001	1.898312e-003
44	9.000000e+002	2.400000e-001	2.268032e-001	1.319683e-002
45	9.200000e+002	2.300000e-001	2.160408e-001	1.395921e-002
46	9.400000e+002	2.000000e-001	2.057891e-001	-5.789110e-003
47	9.600000e+002	2.000000e-001	1.960239e-001	3.976099e-003
48	9.800000e+002	2.000000e-001	1.867221e-001	1.327792e-002
49	1.000000e+003	1.900000e-001	1.778616e-001	1.213835e-002
50	1.020000e+003	1.800000e-001	1.694217e-001	1.057834e-002
51	1.040000e+003	1.600000e-001	1.613822e-001	-1.382182e-003
52	1.060000e+003	1.500000e-001	1.537242e-001	-3.724193e-003
53	1.080000e+003	1.400000e-001	1.464296e-001	-6.429594e-003
54	1.100000e+003	1.100000e-001	1.394811e-001	-2.948114e-002
55	1.120000e+003	1.300000e-001	1.328624e-001	-2.862413e-003
56	1.140000e+003	1.200000e-001	1.265578e-001	-6.557759e-003
57	1.160000e+003	1.200000e-001	1.205523e-001	-5.522757e-004
58	1.180000e+003	1.200000e-001	1.148318e-001	5.168232e-003
59	1.200000e+003	8.000000e-002	1.093827e-001	-2.938271e-002



BR-11-JC Test 1, Optimized Match

BR-11-JC Test 2, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 57 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 20 ft

Depth to Screen Top
Fixed Value = 131 ft

Initial Displacement
Fixed Value = 1.72227 ft

Hydraulic Conductivity
Calculated Value = 1.82374e-006 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 6.54781

B
Calculated Value = 1.29682

C
Calculated Value = 7.75805

Linear Regression Slope
Fixed Value = -0.00216741 ft/sec

Linear Regression Intercept
Fixed Value = 1.72227 ft

ANALYSIS STATISTICS

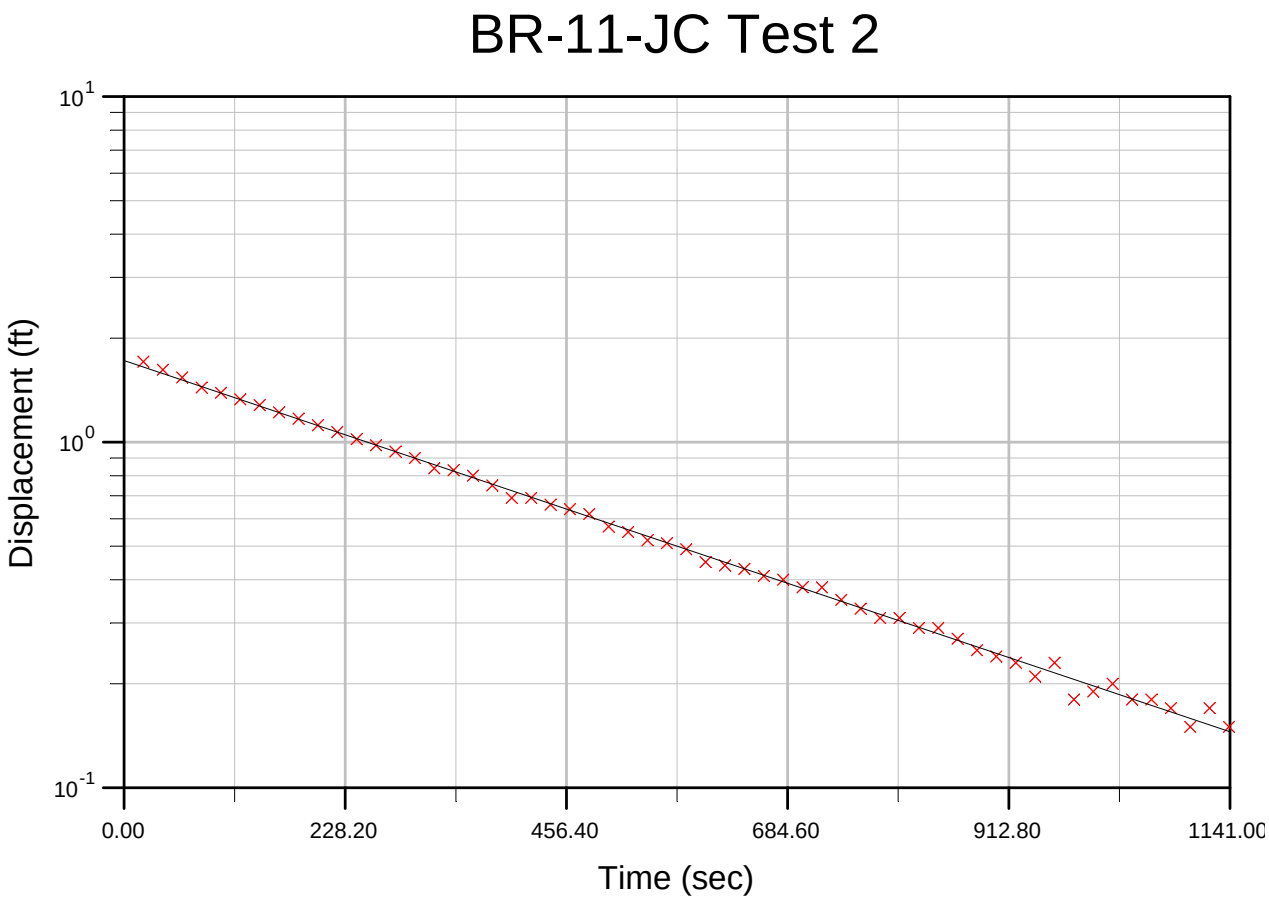
Regression Line
Slope: -0.002167 ft/sec
Intercept: 1.722273 ft

Residual Mean = 0.001216
Residual Standard Dev. = 0.014217
Residual Sum of Squares = 0.011606
Absolute Residual Mean = 0.009256
Minimum Residual = -0.033744
Maximum Residual = 0.060789

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+001	1.710000e+000	1.649211e+000	6.078923e-002
1	4.000000e+001	1.620000e+000	1.579248e+000	4.075213e-002
2	6.000000e+001	1.540000e+000	1.512253e+000	2.774707e-002
3	8.000000e+001	1.440000e+000	1.448100e+000	-8.100056e-003
4	1.000000e+002	1.390000e+000	1.386669e+000	3.331322e-003
5	1.200000e+002	1.330000e+000	1.327843e+000	2.156654e-003
6	1.400000e+002	1.280000e+000	1.271514e+000	8.486495e-003
7	1.600000e+002	1.220000e+000	1.217573e+000	2.426708e-003
8	1.800000e+002	1.170000e+000	1.165921e+000	4.078667e-003
9	2.000000e+002	1.120000e+000	1.116461e+000	3.539443e-003
10	2.200000e+002	1.070000e+000	1.069098e+000	9.019921e-004
11	2.400000e+002	1.020000e+000	1.023745e+000	-3.744676e-003
12	2.600000e+002	9.800000e-001	9.803153e-001	-3.153247e-004
13	2.800000e+002	9.400000e-001	9.387283e-001	1.271664e-003
14	3.000000e+002	9.000000e-001	8.989056e-001	1.094447e-003
15	3.200000e+002	8.400000e-001	8.607721e-001	-2.077213e-002
16	3.400000e+002	8.300000e-001	8.242564e-001	5.743587e-003

17	3.600000e+002	8.000000e-001	7.892898e-001	1.071024e-002
18	3.800000e+002	7.500000e-001	7.558065e-001	-5.806471e-003
19	4.000000e+002	6.900000e-001	7.237436e-001	-3.374361e-002
20	4.200000e+002	6.900000e-001	6.930409e-001	-3.040919e-003
21	4.400000e+002	6.600000e-001	6.636407e-001	-3.640701e-003
22	4.600000e+002	6.400000e-001	6.354877e-001	4.512300e-003
23	4.800000e+002	6.200000e-001	6.085290e-001	1.147099e-002
24	5.000000e+002	5.700000e-001	5.827140e-001	-1.271396e-002
25	5.200000e+002	5.500000e-001	5.579940e-001	-7.994035e-003
26	5.400000e+002	5.200000e-001	5.343228e-001	-1.432278e-002
27	5.600000e+002	5.100000e-001	5.116557e-001	-1.655713e-003
28	5.800000e+002	4.900000e-001	4.899502e-001	4.977277e-005
29	6.000000e+002	4.500000e-001	4.691655e-001	-1.916553e-002
30	6.200000e+002	4.400000e-001	4.492626e-001	-9.262568e-003
31	6.400000e+002	4.300000e-001	4.302039e-001	-2.039272e-004
32	6.600000e+002	4.100000e-001	4.119538e-001	-1.953793e-003
33	6.800000e+002	4.000000e-001	3.944779e-001	5.522132e-003
34	7.000000e+002	3.800000e-001	3.777433e-001	2.256693e-003
35	7.200000e+002	3.800000e-001	3.617187e-001	1.828134e-002
36	7.400000e+002	3.500000e-001	3.463738e-001	3.626188e-003
37	7.600000e+002	3.300000e-001	3.316799e-001	-1.679924e-003
38	7.800000e+002	3.100000e-001	3.176094e-001	-7.609381e-003
39	8.000000e+002	3.100000e-001	3.041357e-001	5.864261e-003
40	8.200000e+002	2.900000e-001	2.912337e-001	-1.233676e-003
41	8.400000e+002	2.900000e-001	2.788789e-001	1.112105e-002
42	8.600000e+002	2.700000e-001	2.670483e-001	2.951672e-003
43	8.800000e+002	2.500000e-001	2.557196e-001	-5.719590e-003
44	9.000000e+002	2.400000e-001	2.448714e-001	-4.871440e-003
45	9.200000e+002	2.300000e-001	2.344835e-001	-4.483491e-003
46	9.400000e+002	2.100000e-001	2.245362e-001	-1.453622e-002
47	9.600000e+002	2.300000e-001	2.150109e-001	1.498907e-002
48	9.800000e+002	1.800000e-001	2.058897e-001	-2.588973e-002
49	1.000000e+003	1.900000e-001	1.971555e-001	-7.155462e-003
50	1.020000e+003	2.000000e-001	1.887917e-001	1.120828e-002
51	1.040000e+003	1.800000e-001	1.807828e-001	-7.827903e-004
52	1.060000e+003	1.800000e-001	1.731136e-001	6.886387e-003
53	1.080000e+003	1.700000e-001	1.657698e-001	4.230222e-003
54	1.100000e+003	1.500000e-001	1.587375e-001	-8.737484e-003
55	1.120000e+003	1.700000e-001	1.520035e-001	1.799649e-002
56	1.140000e+003	1.500000e-001	1.455552e-001	4.444787e-003



BR-11-JC Test 2, Optimized Match

BR-12-JC Test 1, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 85 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 20 ft

Depth to Screen Top
Fixed Value = 70.3 ft

Initial Displacement
Fixed Value = 3.38093 ft

Hydraulic Conductivity
Calculated Value = 3.83053e-005 ft/sec

Aquifer Thickness
Fixed Value = 300 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 6.54781

B
Calculated Value = 1.29682

C
Calculated Value = 7.75805

Linear Regression Slope
Fixed Value = -0.0479037 ft/sec

Linear Regression Intercept
Fixed Value = 3.38093 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.047904 ft/sec
Intercept: 3.380932 ft

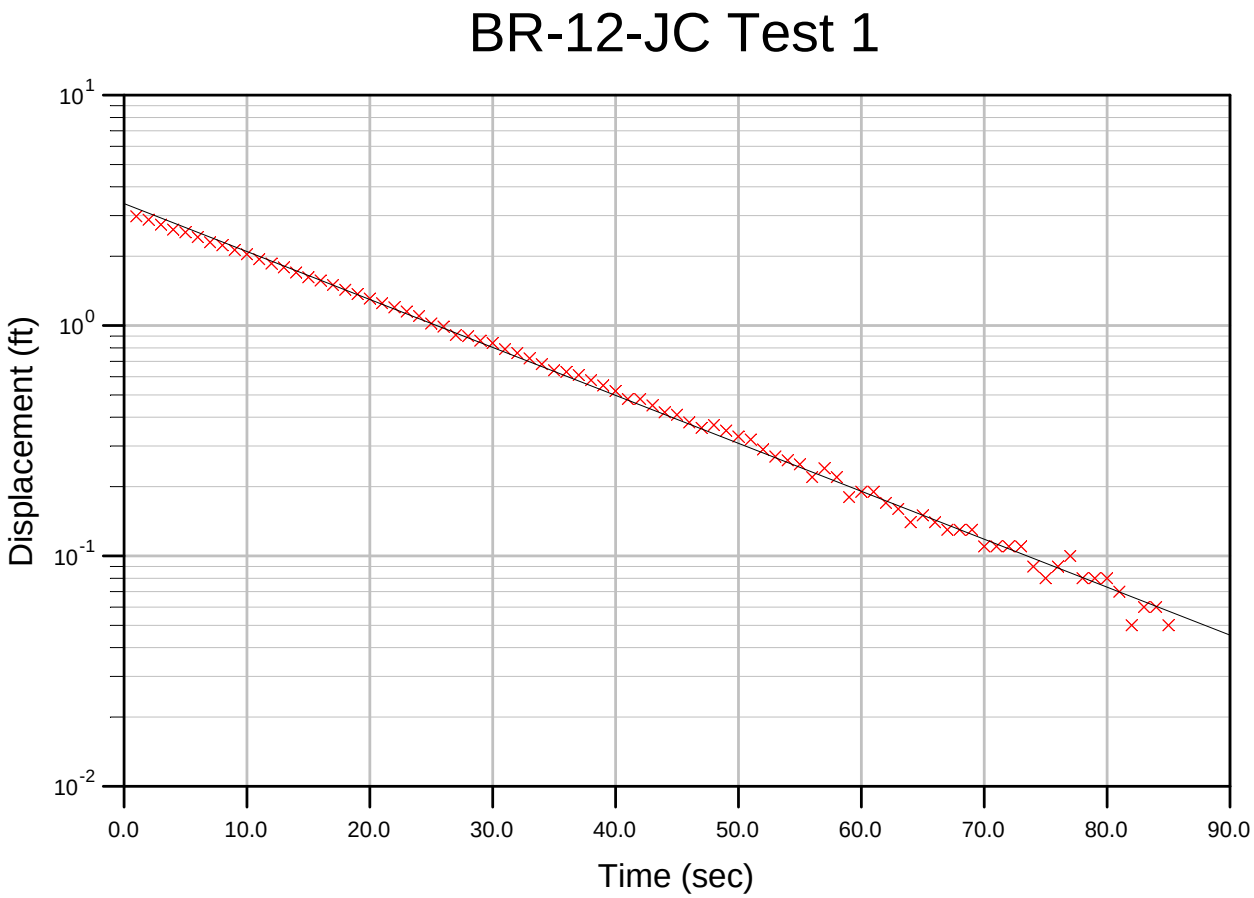
Residual Mean = -0.010896
Residual Standard Dev. = 0.052599
Residual Sum of Squares = 0.245254
Absolute Residual Mean = 0.028702
Minimum Residual = -0.242790
Maximum Residual = 0.036646

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	2.980000e+000	3.222790e+000	-2.427904e-001
1	2.000000e+000	2.880000e+000	3.072046e+000	-1.920462e-001
2	3.000000e+000	2.740000e+000	2.928353e+000	-1.883530e-001
3	4.000000e+000	2.610000e+000	2.791381e+000	-1.813809e-001
4	5.000000e+000	2.540000e+000	2.660816e+000	-1.208157e-001
5	6.000000e+000	2.420000e+000	2.536358e+000	-1.163575e-001
6	7.000000e+000	2.300000e+000	2.417721e+000	-1.177208e-001
7	8.000000e+000	2.230000e+000	2.304633e+000	-7.463331e-002
8	9.000000e+000	2.130000e+000	2.196835e+000	-6.683539e-002
9	1.000000e+001	2.040000e+000	2.094080e+000	-5.407965e-002
10	1.100000e+001	1.940000e+000	1.996130e+000	-5.613026e-002
11	1.200000e+001	1.860000e+000	1.902762e+000	-4.276240e-002
12	1.300000e+001	1.790000e+000	1.813762e+000	-2.376176e-002
13	1.400000e+001	1.700000e+000	1.728924e+000	-2.892408e-002
14	1.500000e+001	1.620000e+000	1.648055e+000	-2.805464e-002
15	1.600000e+001	1.570000e+000	1.570968e+000	-9.678149e-004
16	1.700000e+001	1.500000e+000	1.497487e+000	2.513316e-003

17	1.800000e+001	1.430000e+000	1.427443e+000	2.557408e-003
18	1.900000e+001	1.370000e+000	1.360675e+000	9.325228e-003
19	2.000000e+001	1.310000e+000	1.297030e+000	1.297002e-002
20	2.100000e+001	1.250000e+000	1.236362e+000	1.363786e-002
21	2.200000e+001	1.200000e+000	1.178532e+000	2.146800e-002
22	2.300000e+001	1.150000e+000	1.123407e+000	2.659317e-002
23	2.400000e+001	1.100000e+000	1.070860e+000	2.913989e-002
24	2.500000e+001	1.020000e+000	1.020771e+000	-7.712345e-004
25	2.600000e+001	9.900000e-001	9.730252e-001	1.697476e-002
26	2.700000e+001	9.100000e-001	9.275125e-001	-1.751253e-002
27	2.800000e+001	9.000000e-001	8.841287e-001	1.587134e-002
28	2.900000e+001	8.600000e-001	8.427740e-001	1.722596e-002
29	3.000000e+001	8.400000e-001	8.033538e-001	3.664624e-002
30	3.100000e+001	7.900000e-001	7.657773e-001	2.422266e-002
31	3.200000e+001	7.600000e-001	7.299585e-001	3.004146e-002
32	3.300000e+001	7.200000e-001	6.958151e-001	2.418486e-002
33	3.400000e+001	6.800000e-001	6.632688e-001	1.673122e-002
34	3.500000e+001	6.400000e-001	6.322448e-001	7.755238e-003
35	3.600000e+001	6.300000e-001	6.026719e-001	2.732813e-002
36	3.700000e+001	6.100000e-001	5.744822e-001	3.551776e-002
37	3.800000e+001	5.800000e-001	5.476112e-001	3.238885e-002
38	3.900000e+001	5.500000e-001	5.219970e-001	2.800305e-002
39	4.000000e+001	5.200000e-001	4.975808e-001	2.241916e-002
40	4.100000e+001	4.800000e-001	4.743068e-001	5.693222e-003
41	4.200000e+001	4.800000e-001	4.521213e-001	2.787865e-002
42	4.300000e+001	4.500000e-001	4.309736e-001	1.902637e-002
43	4.400000e+001	4.200000e-001	4.108151e-001	9.184921e-003
44	4.500000e+001	4.100000e-001	3.915994e-001	1.840056e-002
45	4.600000e+001	3.800000e-001	3.732826e-001	6.717406e-003
46	4.700000e+001	3.600000e-001	3.558225e-001	4.177488e-003
47	4.800000e+001	3.700000e-001	3.391791e-001	3.082089e-002
48	4.900000e+001	3.500000e-001	3.233142e-001	2.668580e-002
49	5.000000e+001	3.300000e-001	3.081914e-001	2.180864e-002
50	5.100000e+001	3.200000e-001	2.937759e-001	2.622411e-002
51	5.200000e+001	2.900000e-001	2.800347e-001	9.965313e-003
52	5.300000e+001	2.700000e-001	2.669362e-001	3.063777e-003
53	5.400000e+001	2.600000e-001	2.544504e-001	5.549568e-003
54	5.500000e+001	2.500000e-001	2.425487e-001	7.451343e-003
55	5.600000e+001	2.200000e-001	2.312036e-001	-1.120358e-002
56	5.700000e+001	2.400000e-001	2.203892e-001	1.961084e-002
57	5.800000e+001	2.200000e-001	2.100806e-001	9.919414e-003
58	5.900000e+001	1.800000e-001	2.002542e-001	-2.025419e-002
59	6.000000e+001	1.900000e-001	1.908874e-001	-8.874091e-004
60	6.100000e+001	1.900000e-001	1.819588e-001	8.041241e-003
61	6.200000e+001	1.700000e-001	1.734477e-001	-3.447741e-003
62	6.300000e+001	1.600000e-001	1.653348e-001	-5.334821e-003
63	6.400000e+001	1.400000e-001	1.576014e-001	-1.760138e-002
64	6.500000e+001	1.500000e-001	1.502297e-001	-2.296626e-004
65	6.600000e+001	1.400000e-001	1.432028e-001	-3.202755e-003
66	6.700000e+001	1.300000e-001	1.365045e-001	-6.504527e-003
67	6.800000e+001	1.300000e-001	1.301196e-001	-1.196052e-004
68	6.900000e+001	1.300000e-001	1.240333e-001	5.966666e-003
69	7.000000e+001	1.100000e-001	1.182317e-001	-8.231745e-003
70	7.100000e+001	1.100000e-001	1.127015e-001	-2.701522e-003
71	7.200000e+001	1.100000e-001	1.074300e-001	2.570028e-003
72	7.300000e+001	1.100000e-001	1.024050e-001	7.595004e-003
73	7.400000e+001	9.000000e-002	9.761506e-002	-7.615060e-003

74	7.500000e+001	8.000000e-002	9.304917e-002	-1.304917e-002
75	7.600000e+001	9.000000e-002	8.869685e-002	1.303151e-003
76	7.700000e+001	1.000000e-001	8.454810e-002	1.545190e-002
77	7.800000e+001	8.000000e-002	8.059341e-002	-5.934142e-004
78	7.900000e+001	8.000000e-002	7.682370e-002	3.176297e-003
79	8.000000e+001	8.000000e-002	7.323032e-002	6.769682e-003
80	8.100000e+001	7.000000e-002	6.980501e-002	1.949891e-004
81	8.200000e+001	5.000000e-002	6.653992e-002	-1.653992e-002
82	8.300000e+001	6.000000e-002	6.342755e-002	-3.427554e-003
83	8.400000e+001	6.000000e-002	6.046077e-002	-4.607659e-004
84	8.500000e+001	5.000000e-002	5.763275e-002	-7.632748e-003



BR-12-JC Test 1, Optimized Match

BR-12-JC Test 2, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 100 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 20 ft

Depth to Screen Top
Fixed Value = 70.3 ft

Initial Displacement
Fixed Value = 4.25319 ft

Hydraulic Conductivity
Calculated Value = 3.54806e-005 ft/sec

Aquifer Thickness
Fixed Value = 300 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 6.54781

B
Calculated Value = 1.29682

C
Calculated Value = 7.75805

Linear Regression Slope
Fixed Value = -0.0443712 ft/sec

Linear Regression Intercept
Fixed Value = 4.25319 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.044371 ft/sec
Intercept: 4.253190 ft

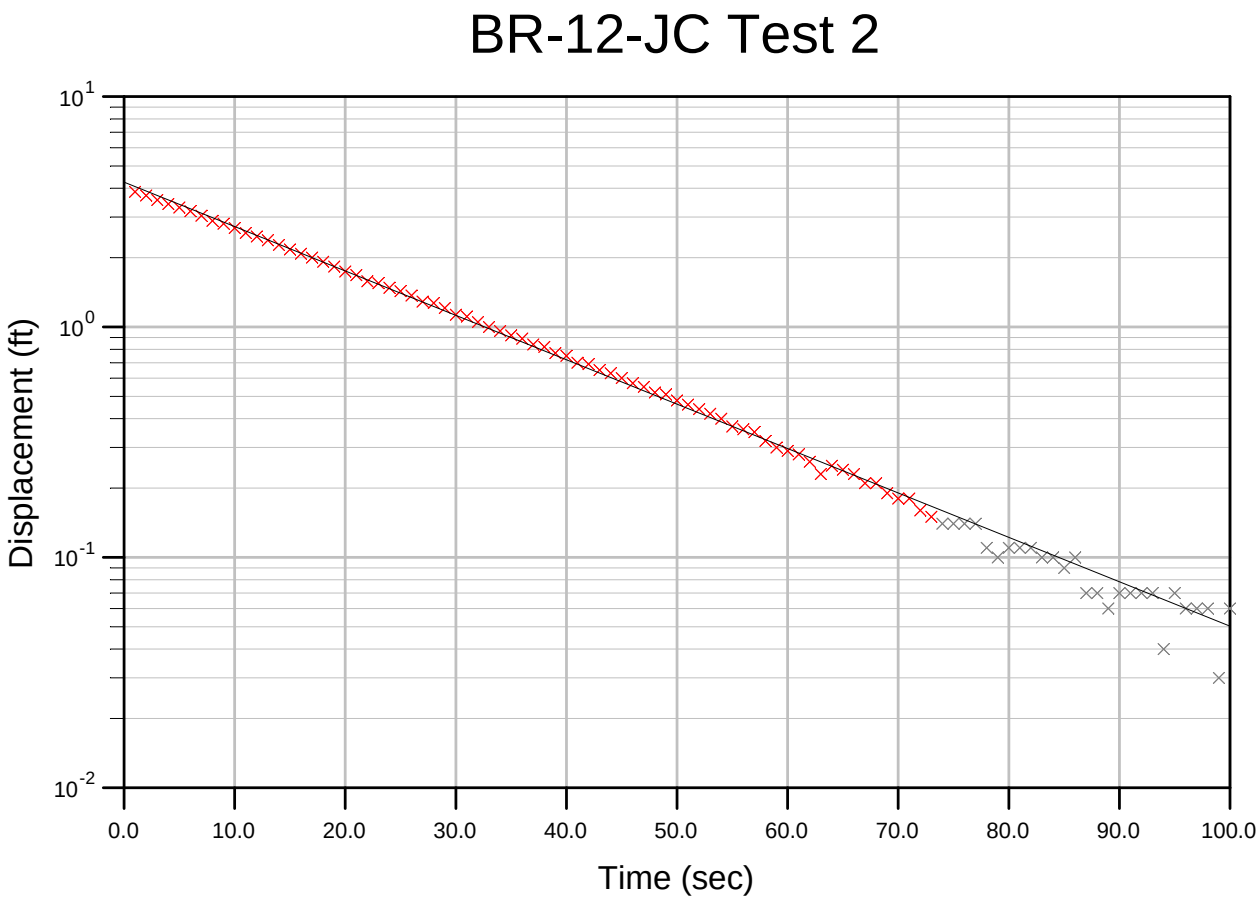
Residual Mean = -0.009579
Residual Standard Dev. = 0.048555
Residual Sum of Squares = 0.178803
Absolute Residual Mean = 0.029181
Minimum Residual = -0.208596
Maximum Residual = 0.042135

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	3.860000e+000	4.068596e+000	-2.085965e-001
1	2.000000e+000	3.720000e+000	3.892015e+000	-1.720147e-001
2	3.000000e+000	3.560000e+000	3.723097e+000	-1.630967e-001
3	4.000000e+000	3.420000e+000	3.561510e+000	-1.415100e-001
4	5.000000e+000	3.300000e+000	3.406936e+000	-1.069363e-001
5	6.000000e+000	3.180000e+000	3.259071e+000	-7.907136e-002
6	7.000000e+000	3.040000e+000	3.117624e+000	-7.762388e-002
7	8.000000e+000	2.890000e+000	2.982315e+000	-9.231540e-002
8	9.000000e+000	2.810000e+000	2.852879e+000	-4.287945e-002
9	1.000000e+001	2.690000e+000	2.729061e+000	-3.906118e-002
10	1.100000e+001	2.560000e+000	2.610617e+000	-5.061677e-002
11	1.200000e+001	2.470000e+000	2.497313e+000	-2.731297e-002
12	1.300000e+001	2.380000e+000	2.388927e+000	-8.926698e-003
13	1.400000e+001	2.270000e+000	2.285245e+000	-1.524451e-002
14	1.500000e+001	2.170000e+000	2.186062e+000	-1.606225e-002
15	1.600000e+001	2.080000e+000	2.091185e+000	-1.118462e-002
16	1.700000e+001	2.000000e+000	2.000425e+000	-4.247847e-004

17	1.800000e+001	1.920000e+000	1.913604e+000	6.395968e-003
18	1.900000e+001	1.830000e+000	1.830551e+000	-5.514004e-004
19	2.000000e+001	1.740000e+000	1.751103e+000	-1.110335e-002
20	2.100000e+001	1.680000e+000	1.675103e+000	4.896564e-003
21	2.200000e+001	1.580000e+000	1.602402e+000	-2.240201e-002
22	2.300000e+001	1.550000e+000	1.532856e+000	1.714410e-002
23	2.400000e+001	1.480000e+000	1.466328e+000	1.367182e-002
24	2.500000e+001	1.430000e+000	1.402688e+000	2.731216e-002
25	2.600000e+001	1.370000e+000	1.341810e+000	2.819044e-002
26	2.700000e+001	1.290000e+000	1.283573e+000	6.426526e-003
27	2.800000e+001	1.270000e+000	1.227865e+000	4.213510e-002
28	2.900000e+001	1.210000e+000	1.174574e+000	3.542586e-002
29	3.000000e+001	1.130000e+000	1.123596e+000	6.403739e-003
30	3.100000e+001	1.110000e+000	1.074831e+000	3.516912e-002
31	3.200000e+001	1.050000e+000	1.028182e+000	2.181802e-002
32	3.300000e+001	1.000000e+000	9.835577e-001	1.644231e-002
33	3.400000e+001	9.600000e-001	9.408701e-001	1.912985e-002
34	3.500000e+001	9.200000e-001	9.000353e-001	1.996471e-002
35	3.600000e+001	8.900000e-001	8.609727e-001	2.902728e-002
36	3.700000e+001	8.400000e-001	8.236055e-001	1.639450e-002
37	3.800000e+001	8.200000e-001	7.878601e-001	3.213993e-002
38	3.900000e+001	7.700000e-001	7.536660e-001	1.633397e-002
39	4.000000e+001	7.500000e-001	7.209561e-001	2.904395e-002
40	4.100000e+001	7.000000e-001	6.896657e-001	1.033428e-002
41	4.200000e+001	6.900000e-001	6.597334e-001	3.026657e-002
42	4.300000e+001	6.500000e-001	6.311002e-001	1.889976e-002
43	4.400000e+001	6.300000e-001	6.037098e-001	2.629024e-002
44	4.500000e+001	6.000000e-001	5.775081e-001	2.249195e-002
45	4.600000e+001	5.700000e-001	5.524435e-001	1.755646e-002
46	4.700000e+001	5.500000e-001	5.284668e-001	2.153315e-002
47	4.800000e+001	5.200000e-001	5.055308e-001	1.446923e-002
48	4.900000e+001	5.100000e-001	4.835902e-001	2.640985e-002
49	5.000000e+001	4.800000e-001	4.626018e-001	1.739822e-002
50	5.100000e+001	4.600000e-001	4.425243e-001	1.747567e-002
51	5.200000e+001	4.400000e-001	4.233183e-001	1.668174e-002
52	5.300000e+001	4.200000e-001	4.049458e-001	1.505424e-002
53	5.400000e+001	4.000000e-001	3.873706e-001	1.262936e-002
54	5.500000e+001	3.700000e-001	3.705583e-001	-5.583058e-004
55	5.600000e+001	3.600000e-001	3.544756e-001	5.524354e-003
56	5.700000e+001	3.500000e-001	3.390910e-001	1.090901e-002
57	5.800000e+001	3.200000e-001	3.243741e-001	-4.374051e-003
58	5.900000e+001	3.000000e-001	3.102958e-001	-1.029584e-002
59	6.000000e+001	2.900000e-001	2.968286e-001	-6.828642e-003
60	6.100000e+001	2.800000e-001	2.839459e-001	-3.945935e-003
61	6.200000e+001	2.600000e-001	2.716224e-001	-1.162235e-002
62	6.300000e+001	2.300000e-001	2.598336e-001	-2.983363e-002
63	6.400000e+001	2.500000e-001	2.485565e-001	1.443452e-003
64	6.500000e+001	2.400000e-001	2.377689e-001	2.231094e-003
65	6.600000e+001	2.300000e-001	2.274495e-001	2.550540e-003
66	6.700000e+001	2.100000e-001	2.175779e-001	-7.577890e-003
67	6.800000e+001	2.100000e-001	2.081348e-001	1.865243e-003
68	6.900000e+001	1.900000e-001	1.991015e-001	-9.101468e-003
69	7.000000e+001	1.800000e-001	1.904602e-001	-1.046023e-002
70	7.100000e+001	1.800000e-001	1.821940e-001	-2.194039e-003
71	7.200000e+001	1.600000e-001	1.742866e-001	-1.428661e-002
72	7.300000e+001	1.500000e-001	1.667224e-001	-1.672237e-002
73	7.400000e+001	1.400000e-001	1.594864e-001	Skipped

74	7.500000e+001	1.400000e-001	1.525645e-001	Skipped
75	7.600000e+001	1.400000e-001	1.459430e-001	Skipped
76	7.700000e+001	1.400000e-001	1.396090e-001	Skipped
77	7.800000e+001	1.100000e-001	1.335498e-001	Skipped
78	7.900000e+001	1.000000e-001	1.277535e-001	Skipped
79	8.000000e+001	1.100000e-001	1.222089e-001	Skipped
80	8.100000e+001	1.100000e-001	1.169049e-001	Skipped
81	8.200000e+001	1.100000e-001	1.118311e-001	Skipped
82	8.300000e+001	1.000000e-001	1.069775e-001	Skipped
83	8.400000e+001	1.000000e-001	1.023345e-001	Skipped
84	8.500000e+001	9.000000e-002	9.789310e-002	Skipped
85	8.600000e+001	1.000000e-001	9.364442e-002	Skipped
86	8.700000e+001	7.000000e-002	8.958015e-002	Skipped
87	8.800000e+001	7.000000e-002	8.569227e-002	Skipped
88	8.900000e+001	6.000000e-002	8.197312e-002	Skipped
89	9.000000e+001	7.000000e-002	7.841539e-002	Skipped
90	9.100000e+001	7.000000e-002	7.501207e-002	Skipped
91	9.200000e+001	7.000000e-002	7.175646e-002	Skipped
92	9.300000e+001	7.000000e-002	6.864215e-002	Skipped
93	9.400000e+001	4.000000e-002	6.566300e-002	Skipped
94	9.500000e+001	7.000000e-002	6.281315e-002	Skipped
95	9.600000e+001	6.000000e-002	6.008699e-002	Skipped
96	9.700000e+001	6.000000e-002	5.747914e-002	Skipped
97	9.800000e+001	6.000000e-002	5.498448e-002	Skipped
98	9.900000e+001	3.000000e-002	5.259809e-002	Skipped
99	1.000000e+002	6.000000e-002	5.031527e-002	Skipped



BR-12-JC Test 2, Optimized Match

BR-12-RB Test 1, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 253 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 138.2 ft

Initial Displacement
Fixed Value = 2.34423 ft

Hydraulic Conductivity
Calculated Value = 6.22302e-006 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 8.03839

B
Calculated Value = 2.1132

C
Calculated Value = 10.4959

Linear Regression Slope
Fixed Value = -0.0133781 ft/sec

Linear Regression Intercept
Fixed Value = 2.34423 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.013378 ft/sec
Intercept: 2.344229 ft

Residual Mean = -0.031052
Residual Standard Dev. = 0.088805
Residual Sum of Squares = 2.239192
Absolute Residual Mean = 0.067179
Minimum Residual = -0.250066
Maximum Residual = 0.062972

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	2.170000e+000	2.282338e+000	-1.123380e-001
1	3.000000e+000	2.130000e+000	2.252008e+000	-1.220080e-001
2	4.000000e+000	2.080000e+000	2.222081e+000	-1.420811e-001
3	5.000000e+000	2.020000e+000	2.192552e+000	-1.725519e-001
4	6.000000e+000	1.990000e+000	2.163415e+000	-1.734151e-001
5	7.000000e+000	1.940000e+000	2.134666e+000	-1.946655e-001
6	8.000000e+000	1.900000e+000	2.106298e+000	-2.062980e-001
7	9.000000e+000	1.870000e+000	2.078307e+000	-2.083074e-001
8	1.000000e+001	1.830000e+000	2.050689e+000	-2.206889e-001
9	1.100000e+001	1.810000e+000	2.023437e+000	-2.134373e-001
10	1.200000e+001	1.780000e+000	1.996548e+000	-2.165479e-001
11	1.300000e+001	1.750000e+000	1.970016e+000	-2.200158e-001
12	1.400000e+001	1.720000e+000	1.943836e+000	-2.238363e-001
13	1.500000e+001	1.690000e+000	1.918005e+000	-2.280047e-001
14	1.600000e+001	1.680000e+000	1.892516e+000	-2.125163e-001
15	1.700000e+001	1.640000e+000	1.867367e+000	-2.273667e-001
16	1.800000e+001	1.610000e+000	1.842551e+000	-2.325513e-001

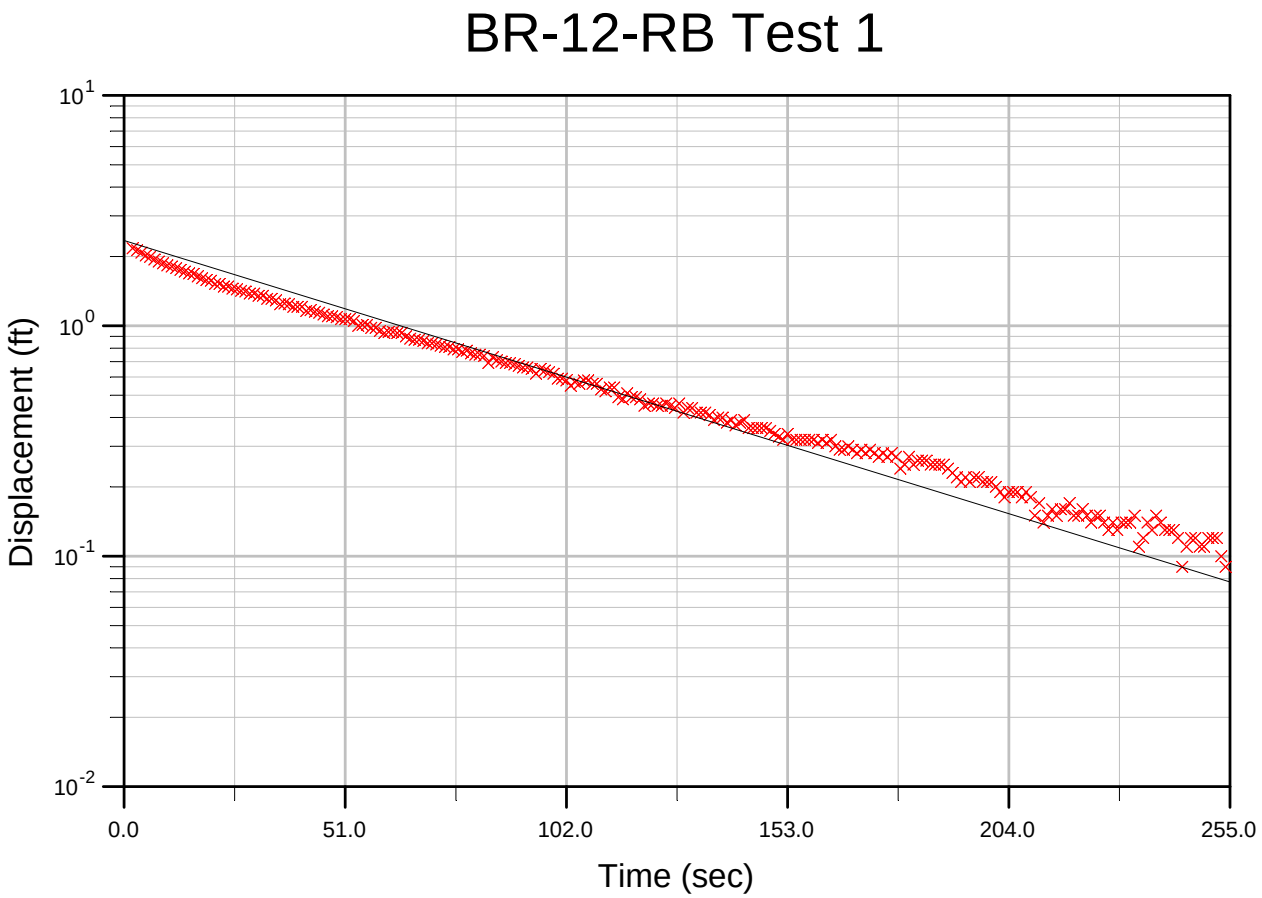
17	1.900000e+001	1.580000e+000	1.818066e+000	-2.380657e-001
18	2.000000e+001	1.570000e+000	1.793905e+000	-2.239054e-001
19	2.100000e+001	1.520000e+000	1.770066e+000	-2.500662e-001
20	2.200000e+001	1.520000e+000	1.746544e+000	-2.265439e-001
21	2.300000e+001	1.480000e+000	1.723334e+000	-2.433341e-001
22	2.400000e+001	1.480000e+000	1.700433e+000	-2.204327e-001
23	2.500000e+001	1.450000e+000	1.677836e+000	-2.278357e-001
24	2.600000e+001	1.440000e+000	1.655539e+000	-2.155390e-001
25	2.700000e+001	1.420000e+000	1.633539e+000	-2.135385e-001
26	2.800000e+001	1.410000e+000	1.611830e+000	-2.018305e-001
27	2.900000e+001	1.380000e+000	1.590411e+000	-2.104109e-001
28	3.000000e+001	1.380000e+000	1.569276e+000	-1.892759e-001
29	3.100000e+001	1.350000e+000	1.548422e+000	-1.984218e-001
30	3.200000e+001	1.350000e+000	1.527845e+000	-1.778449e-001
31	3.300000e+001	1.310000e+000	1.507541e+000	-1.975414e-001
32	3.400000e+001	1.310000e+000	1.487508e+000	-1.775077e-001
33	3.500000e+001	1.290000e+000	1.467740e+000	-1.777402e-001
34	3.600000e+001	1.240000e+000	1.448235e+000	-2.082355e-001
35	3.700000e+001	1.250000e+000	1.428990e+000	-1.789899e-001
36	3.800000e+001	1.240000e+000	1.410000e+000	-1.700001e-001
37	3.900000e+001	1.210000e+000	1.391263e+000	-1.812626e-001
38	4.000000e+001	1.210000e+000	1.372774e+000	-1.627741e-001
39	4.100000e+001	1.210000e+000	1.354531e+000	-1.445314e-001
40	4.200000e+001	1.160000e+000	1.336531e+000	-1.765310e-001
41	4.300000e+001	1.170000e+000	1.318770e+000	-1.487699e-001
42	4.400000e+001	1.150000e+000	1.301245e+000	-1.512448e-001
43	4.500000e+001	1.140000e+000	1.283953e+000	-1.439525e-001
44	4.600000e+001	1.120000e+000	1.266890e+000	-1.468901e-001
45	4.700000e+001	1.100000e+000	1.250054e+000	-1.500544e-001
46	4.800000e+001	1.100000e+000	1.233442e+000	-1.334425e-001
47	4.900000e+001	1.090000e+000	1.217051e+000	-1.270513e-001
48	5.000000e+001	1.070000e+000	1.200878e+000	-1.308779e-001
49	5.100000e+001	1.070000e+000	1.184919e+000	-1.149195e-001
50	5.200000e+001	1.070000e+000	1.169173e+000	-9.917309e-002
51	5.300000e+001	1.050000e+000	1.153636e+000	-1.036360e-001
52	5.400000e+001	1.000000e+000	1.138305e+000	-1.383053e-001
53	5.500000e+001	1.010000e+000	1.123178e+000	-1.131784e-001
54	5.600000e+001	1.010000e+000	1.108252e+000	-9.825250e-002
55	5.700000e+001	9.800000e-001	1.093525e+000	-1.135249e-001
56	5.800000e+001	9.800000e-001	1.078993e+000	-9.899311e-002
57	5.900000e+001	9.500000e-001	1.064654e+000	-1.146544e-001
58	6.000000e+001	9.300000e-001	1.050506e+000	-1.205062e-001
59	6.100000e+001	9.400000e-001	1.036546e+000	-9.654606e-002
60	6.200000e+001	9.400000e-001	1.022771e+000	-8.277141e-002
61	6.300000e+001	9.300000e-001	1.009180e+000	-7.917982e-002
62	6.400000e+001	9.300000e-001	9.957688e-001	-6.576885e-002
63	6.500000e+001	9.000000e-001	9.825361e-001	-8.253609e-002
64	6.600000e+001	8.800000e-001	9.694792e-001	-8.947919e-002
65	6.700000e+001	8.700000e-001	9.565958e-001	-8.659579e-002
66	6.800000e+001	8.700000e-001	9.438836e-001	-7.388361e-002
67	6.900000e+001	8.600000e-001	9.313404e-001	-7.134035e-002
68	7.000000e+001	8.400000e-001	9.189638e-001	-7.896379e-002
69	7.100000e+001	8.400000e-001	9.067517e-001	-6.675169e-002
70	7.200000e+001	8.300000e-001	8.947019e-001	-6.470189e-002
71	7.300000e+001	8.200000e-001	8.828122e-001	-6.281221e-002
72	7.400000e+001	8.100000e-001	8.710805e-001	-6.108053e-002
73	7.500000e+001	8.100000e-001	8.595048e-001	-4.950476e-002

74	7.600000e+001	7.900000e-001	8.480828e-001	-5.808281e-002
75	7.700000e+001	7.900000e-001	8.368127e-001	-4.681265e-002
76	7.800000e+001	7.700000e-001	8.256923e-001	-5.569226e-002
77	7.900000e+001	7.800000e-001	8.147197e-001	-3.471965e-002
78	8.000000e+001	7.600000e-001	8.038929e-001	-4.389286e-002
79	8.100000e+001	7.500000e-001	7.932099e-001	-4.320994e-002
80	8.200000e+001	7.500000e-001	7.826690e-001	-3.266898e-002
81	8.300000e+001	7.400000e-001	7.722681e-001	-3.226811e-002
82	8.400000e+001	6.900000e-001	7.620055e-001	-7.200545e-002
83	8.500000e+001	7.300000e-001	7.518792e-001	-2.187917e-002
84	8.600000e+001	7.100000e-001	7.418875e-001	-3.188746e-002
85	8.700000e+001	7.000000e-001	7.320285e-001	-3.202853e-002
86	8.800000e+001	6.900000e-001	7.223006e-001	-3.230062e-002
87	8.900000e+001	6.900000e-001	7.127020e-001	-2.270198e-002
88	9.000000e+001	6.800000e-001	7.032309e-001	-2.323089e-002
89	9.100000e+001	6.700000e-001	6.938857e-001	-2.388567e-002
90	9.200000e+001	6.600000e-001	6.846646e-001	-2.466463e-002
91	9.300000e+001	6.600000e-001	6.755661e-001	-1.556614e-002
92	9.400000e+001	6.500000e-001	6.665885e-001	-1.658855e-002
93	9.500000e+001	6.200000e-001	6.577303e-001	-3.773027e-002
94	9.600000e+001	6.500000e-001	6.489897e-001	1.010301e-003
95	9.700000e+001	6.400000e-001	6.403653e-001	-3.652856e-004
96	9.800000e+001	6.300000e-001	6.318555e-001	-1.855482e-003
97	9.900000e+001	6.200000e-001	6.234588e-001	-3.458765e-003
98	1.000000e+002	5.900000e-001	6.151736e-001	-2.517363e-002
99	1.010000e+002	5.900000e-001	6.069986e-001	-1.699860e-002
100	1.020000e+002	5.800000e-001	5.989322e-001	-1.893221e-002
101	1.030000e+002	5.500000e-001	5.909730e-001	-4.097301e-002
102	1.040000e+002	5.700000e-001	5.831196e-001	-1.311957e-002
103	1.050000e+002	5.600000e-001	5.753705e-001	-1.537051e-002
104	1.060000e+002	5.800000e-001	5.677244e-001	1.227558e-002
105	1.070000e+002	5.800000e-001	5.601799e-001	1.982006e-002
106	1.080000e+002	5.600000e-001	5.527357e-001	7.264283e-003
107	1.090000e+002	5.600000e-001	5.453904e-001	1.460958e-002
108	1.100000e+002	5.300000e-001	5.381427e-001	-8.142737e-003
109	1.110000e+002	5.200000e-001	5.309914e-001	-1.099137e-002
110	1.120000e+002	5.400000e-001	5.239350e-001	1.606497e-002
111	1.130000e+002	5.400000e-001	5.169725e-001	2.302753e-002
112	1.140000e+002	4.900000e-001	5.101024e-001	-2.010243e-002
113	1.150000e+002	4.800000e-001	5.033237e-001	-2.332369e-002
114	1.160000e+002	5.100000e-001	4.966350e-001	1.336497e-002
115	1.170000e+002	4.900000e-001	4.900353e-001	-3.525173e-005
116	1.180000e+002	4.900000e-001	4.835232e-001	6.476819e-003
117	1.190000e+002	4.800000e-001	4.770976e-001	2.902350e-003
118	1.200000e+002	4.500000e-001	4.707575e-001	-2.075751e-002
119	1.210000e+002	4.600000e-001	4.645016e-001	-4.501618e-003
120	1.220000e+002	4.600000e-001	4.583289e-001	1.671136e-003
121	1.230000e+002	4.500000e-001	4.522381e-001	-2.238139e-003
122	1.240000e+002	4.500000e-001	4.462284e-001	3.771646e-003
123	1.250000e+002	4.600000e-001	4.402984e-001	1.970157e-002
124	1.260000e+002	4.500000e-001	4.344473e-001	1.555269e-002
125	1.270000e+002	4.400000e-001	4.286740e-001	1.132605e-002
126	1.280000e+002	4.600000e-001	4.229773e-001	3.702269e-002
127	1.290000e+002	4.200000e-001	4.173564e-001	2.643628e-003
128	1.300000e+002	4.400000e-001	4.118101e-001	2.818987e-002
129	1.310000e+002	4.400000e-001	4.063376e-001	3.366241e-002
130	1.320000e+002	4.200000e-001	4.009378e-001	1.906222e-002

131	1.330000e+002	4.200000e-001	3.956097e-001	2.439028e-002
132	1.340000e+002	4.200000e-001	3.903525e-001	2.964753e-002
133	1.350000e+002	4.100000e-001	3.851651e-001	2.483492e-002
134	1.360000e+002	3.900000e-001	3.800466e-001	9.953368e-003
135	1.370000e+002	4.000000e-001	3.749962e-001	2.500380e-002
136	1.380000e+002	4.000000e-001	3.700129e-001	2.998712e-002
137	1.390000e+002	3.800000e-001	3.650958e-001	1.490421e-002
138	1.400000e+002	3.900000e-001	3.602440e-001	2.975597e-002
139	1.410000e+002	3.700000e-001	3.554568e-001	1.454324e-002
140	1.420000e+002	3.800000e-001	3.507331e-001	2.926690e-002
141	1.430000e+002	3.900000e-001	3.460722e-001	4.392779e-002
142	1.440000e+002	3.600000e-001	3.414733e-001	1.852674e-002
143	1.450000e+002	3.600000e-001	3.369354e-001	2.306457e-002
144	1.460000e+002	3.600000e-001	3.324579e-001	2.754210e-002
145	1.470000e+002	3.600000e-001	3.280399e-001	3.196013e-002
146	1.480000e+002	3.600000e-001	3.236806e-001	3.631944e-002
147	1.490000e+002	3.500000e-001	3.193792e-001	3.062083e-002
148	1.500000e+002	3.400000e-001	3.151349e-001	2.486505e-002
149	1.510000e+002	3.300000e-001	3.109471e-001	1.905288e-002
150	1.520000e+002	3.200000e-001	3.068150e-001	1.318505e-002
151	1.530000e+002	3.400000e-001	3.027377e-001	3.726231e-002
152	1.540000e+002	3.200000e-001	2.987146e-001	2.128538e-002
153	1.550000e+002	3.200000e-001	2.947450e-001	2.525500e-002
154	1.560000e+002	3.200000e-001	2.908281e-001	2.917186e-002
155	1.570000e+002	3.200000e-001	2.869633e-001	3.303667e-002
156	1.580000e+002	3.200000e-001	2.831499e-001	3.685012e-002
157	1.590000e+002	3.200000e-001	2.793871e-001	4.061289e-002
158	1.600000e+002	3.100000e-001	2.756743e-001	3.432566e-002
159	1.610000e+002	3.200000e-001	2.720109e-001	4.798909e-002
160	1.620000e+002	3.100000e-001	2.683962e-001	4.160384e-002
161	1.630000e+002	3.200000e-001	2.648294e-001	5.517055e-002
162	1.640000e+002	3.000000e-001	2.613101e-001	3.868987e-002
163	1.650000e+002	2.900000e-001	2.578376e-001	3.216241e-002
164	1.660000e+002	2.900000e-001	2.544112e-001	3.558881e-002
165	1.670000e+002	3.000000e-001	2.510303e-001	4.896968e-002
166	1.680000e+002	2.900000e-001	2.476944e-001	4.230562e-002
167	1.690000e+002	2.800000e-001	2.444028e-001	3.559722e-002
168	1.700000e+002	2.900000e-001	2.411549e-001	4.884509e-002
169	1.710000e+002	2.800000e-001	2.379502e-001	4.204979e-002
170	1.720000e+002	2.900000e-001	2.347881e-001	5.521191e-002
171	1.730000e+002	2.800000e-001	2.316680e-001	4.833200e-002
172	1.740000e+002	2.700000e-001	2.285894e-001	4.141064e-002
173	1.750000e+002	2.800000e-001	2.255516e-001	5.444836e-002
174	1.760000e+002	2.700000e-001	2.225543e-001	4.744571e-002
175	1.770000e+002	2.800000e-001	2.195968e-001	6.040323e-002
176	1.780000e+002	2.700000e-001	2.166786e-001	5.332145e-002
177	1.790000e+002	2.400000e-001	2.137991e-001	2.620088e-002
178	1.800000e+002	2.500000e-001	2.109579e-001	3.904206e-002
179	1.810000e+002	2.700000e-001	2.081545e-001	6.184547e-002
180	1.820000e+002	2.500000e-001	2.053884e-001	4.461164e-002
181	1.830000e+002	2.600000e-001	2.026590e-001	5.734104e-002
182	1.840000e+002	2.600000e-001	1.999658e-001	6.003417e-002
183	1.850000e+002	2.600000e-001	1.973085e-001	6.269151e-002
184	1.860000e+002	2.500000e-001	1.946865e-001	5.531354e-002
185	1.870000e+002	2.500000e-001	1.920993e-001	5.790073e-002
186	1.880000e+002	2.500000e-001	1.895465e-001	6.045353e-002
187	1.890000e+002	2.500000e-001	1.870276e-001	6.297241e-002

188	1.900000e+002	2.400000e-001	1.845422e-001	5.545782e-002
189	1.910000e+002	2.300000e-001	1.820898e-001	4.791020e-002
190	1.920000e+002	2.200000e-001	1.796700e-001	4.032998e-002
191	1.930000e+002	2.100000e-001	1.772824e-001	3.271762e-002
192	1.940000e+002	2.200000e-001	1.749265e-001	4.507352e-002
193	1.950000e+002	2.100000e-001	1.726019e-001	3.739811e-002
194	1.960000e+002	2.200000e-001	1.703082e-001	4.969182e-002
195	1.970000e+002	2.200000e-001	1.680450e-001	5.195504e-002
196	1.980000e+002	2.100000e-001	1.658118e-001	4.418819e-002
197	1.990000e+002	2.100000e-001	1.636083e-001	4.639166e-002
198	2.000000e+002	2.100000e-001	1.614342e-001	4.856585e-002
199	2.010000e+002	2.000000e-001	1.592889e-001	4.071114e-002
200	2.020000e+002	1.900000e-001	1.571721e-001	3.282793e-002
201	2.030000e+002	1.800000e-001	1.550834e-001	2.491659e-002
202	2.040000e+002	1.900000e-001	1.530225e-001	3.697749e-002
203	2.050000e+002	1.900000e-001	1.509890e-001	3.901100e-002
204	2.060000e+002	1.900000e-001	1.489825e-001	4.101749e-002
205	2.070000e+002	1.800000e-001	1.470027e-001	3.299732e-002
206	2.080000e+002	1.900000e-001	1.450492e-001	4.495083e-002
207	2.090000e+002	1.800000e-001	1.431216e-001	3.687839e-002
208	2.100000e+002	1.500000e-001	1.412197e-001	8.780329e-003
209	2.110000e+002	1.700000e-001	1.393430e-001	3.065699e-002
210	2.120000e+002	1.400000e-001	1.374913e-001	2.508722e-003
211	2.130000e+002	1.500000e-001	1.356642e-001	1.433584e-002
212	2.140000e+002	1.600000e-001	1.338613e-001	2.613868e-002
213	2.150000e+002	1.500000e-001	1.320824e-001	1.791756e-002
214	2.160000e+002	1.600000e-001	1.303272e-001	2.967280e-002
215	2.170000e+002	1.600000e-001	1.285953e-001	3.140472e-002
216	2.180000e+002	1.700000e-001	1.268864e-001	4.311362e-002
217	2.190000e+002	1.500000e-001	1.252002e-001	2.479981e-002
218	2.200000e+002	1.500000e-001	1.235364e-001	2.646359e-002
219	2.210000e+002	1.600000e-001	1.218947e-001	3.810527e-002
220	2.220000e+002	1.500000e-001	1.202749e-001	2.972512e-002
221	2.230000e+002	1.400000e-001	1.186765e-001	2.132345e-002
222	2.240000e+002	1.500000e-001	1.170995e-001	3.290054e-002
223	2.250000e+002	1.500000e-001	1.155433e-001	3.445668e-002
224	2.260000e+002	1.400000e-001	1.140079e-001	2.599213e-002
225	2.270000e+002	1.300000e-001	1.124928e-001	1.750718e-002
226	2.280000e+002	1.400000e-001	1.109979e-001	2.900209e-002
227	2.290000e+002	1.300000e-001	1.095229e-001	2.047714e-002
228	2.300000e+002	1.400000e-001	1.080674e-001	3.193259e-002
229	2.310000e+002	1.400000e-001	1.066313e-001	3.336870e-002
230	2.320000e+002	1.400000e-001	1.052143e-001	3.478572e-002
231	2.330000e+002	1.500000e-001	1.038161e-001	4.618391e-002
232	2.340000e+002	1.100000e-001	1.024365e-001	7.563520e-003
233	2.350000e+002	1.200000e-001	1.010752e-001	1.892480e-002
234	2.360000e+002	1.400000e-001	9.973202e-002	4.026798e-002
235	2.370000e+002	1.300000e-001	9.840668e-002	3.159332e-002
236	2.380000e+002	1.500000e-001	9.709895e-002	5.290105e-002
237	2.390000e+002	1.400000e-001	9.580861e-002	4.419139e-002
238	2.400000e+002	1.300000e-001	9.453541e-002	3.546459e-002
239	2.410000e+002	1.300000e-001	9.327913e-002	3.672087e-002
240	2.420000e+002	1.300000e-001	9.203955e-002	3.796045e-002
241	2.430000e+002	1.200000e-001	9.081643e-002	2.918357e-002
242	2.440000e+002	9.000000e-002	8.960957e-002	3.904251e-004
243	2.450000e+002	1.100000e-001	8.841875e-002	2.158125e-002
244	2.460000e+002	1.200000e-001	8.724376e-002	3.275624e-002

245	2.470000e+002	1.200000e-001	8.608438e-002	3.391562e-002
246	2.480000e+002	1.100000e-001	8.494040e-002	2.505960e-002
247	2.490000e+002	1.100000e-001	8.381163e-002	2.618837e-002
248	2.500000e+002	1.200000e-001	8.269786e-002	3.730214e-002
249	2.510000e+002	1.200000e-001	8.159889e-002	3.840111e-002
250	2.520000e+002	1.200000e-001	8.051452e-002	3.948548e-002
251	2.530000e+002	1.000000e-001	7.944457e-002	2.055543e-002
252	2.540000e+002	9.000000e-002	7.838883e-002	1.161117e-002



BR-12-RB Test 1, Manual Match

BR-12-RB Test 1 Optimized

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 253 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 138.2 ft

Initial Displacement
Fixed Value = 1.9394 ft

Hydraulic Conductivity
Calculated Value = 5.32894e-006 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 8.03839

B
Calculated Value = 2.1132

C
Calculated Value = 10.4959

Linear Regression Slope
Fixed Value = -0.011456 ft/sec

Linear Regression Intercept
Fixed Value = 1.9394 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.011456 ft/sec
Intercept: 1.939395 ft

Residual Mean = 0.003302
Residual Standard Dev. = 0.041059
Residual Sum of Squares = 0.429287
Absolute Residual Mean = 0.020764
Minimum Residual = -0.050872
Maximum Residual = 0.274535

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	2.170000e+000	1.895465e+000	2.745350e-001
1	3.000000e+000	2.130000e+000	1.873874e+000	2.561255e-001
2	4.000000e+000	2.080000e+000	1.852530e+000	2.274701e-001
3	5.000000e+000	2.020000e+000	1.831428e+000	1.885716e-001
4	6.000000e+000	1.990000e+000	1.810567e+000	1.794327e-001
5	7.000000e+000	1.940000e+000	1.789944e+000	1.500563e-001
6	8.000000e+000	1.900000e+000	1.769555e+000	1.304448e-001
7	9.000000e+000	1.870000e+000	1.749399e+000	1.206012e-001
8	1.000000e+001	1.830000e+000	1.729472e+000	1.005280e-001
9	1.100000e+001	1.810000e+000	1.709772e+000	1.002277e-001
10	1.200000e+001	1.780000e+000	1.690297e+000	8.970312e-002
11	1.300000e+001	1.750000e+000	1.671043e+000	7.895667e-002
12	1.400000e+001	1.720000e+000	1.652009e+000	6.799091e-002
13	1.500000e+001	1.690000e+000	1.633192e+000	5.680834e-002
14	1.600000e+001	1.680000e+000	1.614589e+000	6.541142e-002
15	1.700000e+001	1.640000e+000	1.596197e+000	4.380261e-002
16	1.800000e+001	1.610000e+000	1.578016e+000	3.198430e-002

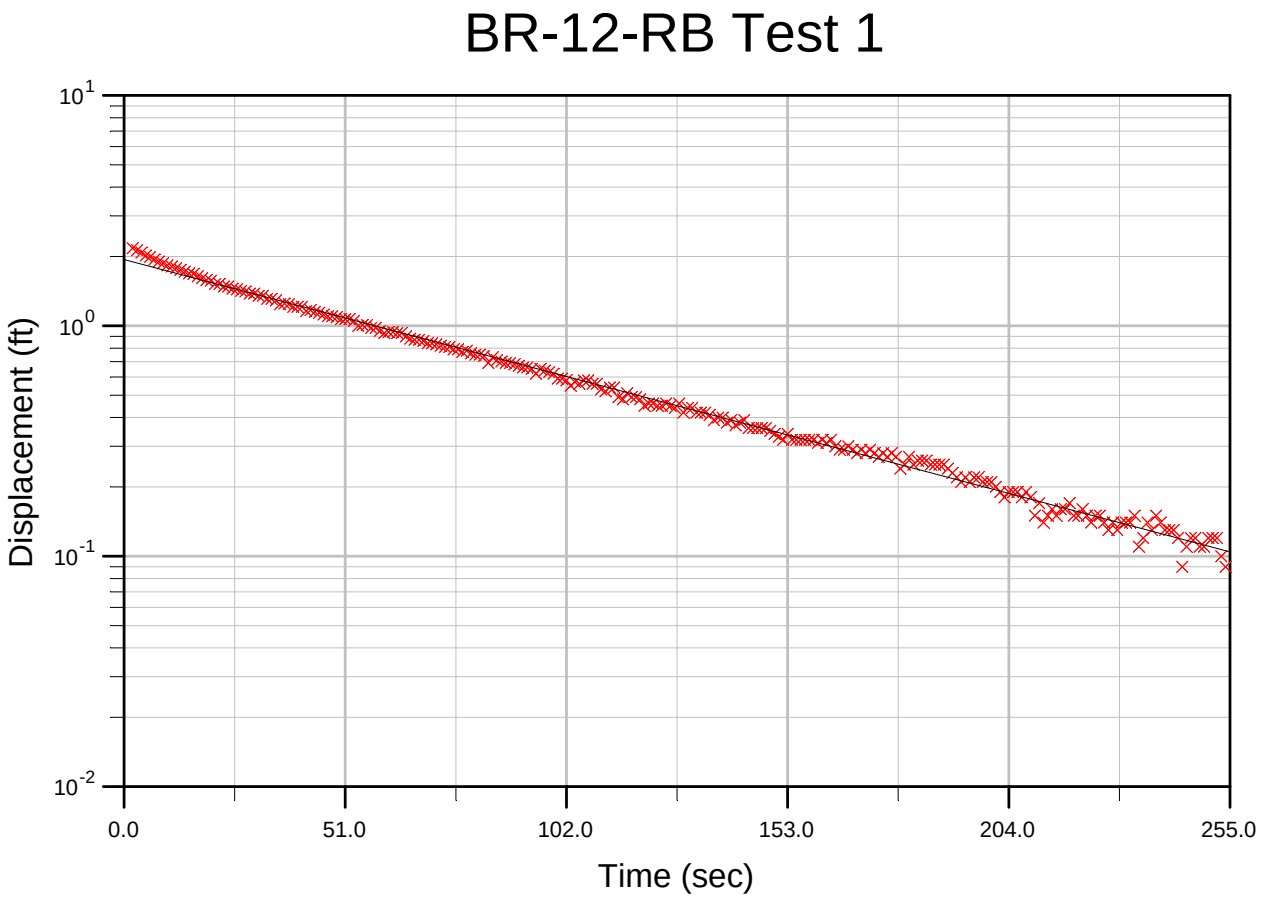
17	1.900000e+001	1.580000e+000	1.560041e+000	1.995890e-002
18	2.000000e+001	1.570000e+000	1.542271e+000	2.772875e-002
19	2.100000e+001	1.520000e+000	1.524704e+000	-4.703802e-003
20	2.200000e+001	1.520000e+000	1.507336e+000	1.266354e-002
21	2.300000e+001	1.480000e+000	1.490167e+000	-1.016695e-002
22	2.400000e+001	1.480000e+000	1.473193e+000	6.806997e-003
23	2.500000e+001	1.450000e+000	1.456412e+000	-6.412404e-003
24	2.600000e+001	1.440000e+000	1.439823e+000	1.770540e-004
25	2.700000e+001	1.420000e+000	1.423422e+000	-3.422453e-003
26	2.800000e+001	1.410000e+000	1.407209e+000	2.791229e-003
27	2.900000e+001	1.380000e+000	1.391180e+000	-1.117977e-002
28	3.000000e+001	1.380000e+000	1.375333e+000	4.666643e-003
29	3.100000e+001	1.350000e+000	1.359667e+000	-9.667440e-003
30	3.200000e+001	1.350000e+000	1.344180e+000	5.820031e-003
31	3.300000e+001	1.310000e+000	1.328869e+000	-1.886891e-002
32	3.400000e+001	1.310000e+000	1.313732e+000	-3.732253e-003
33	3.500000e+001	1.290000e+000	1.298768e+000	-8.768012e-003
34	3.600000e+001	1.240000e+000	1.283974e+000	-4.397422e-002
35	3.700000e+001	1.250000e+000	1.269349e+000	-1.934895e-002
36	3.800000e+001	1.240000e+000	1.254890e+000	-1.489026e-002
37	3.900000e+001	1.210000e+000	1.240596e+000	-3.059627e-002
38	4.000000e+001	1.210000e+000	1.226465e+000	-1.646509e-002
39	4.100000e+001	1.210000e+000	1.212495e+000	-2.494877e-003
40	4.200000e+001	1.160000e+000	1.198684e+000	-3.868379e-002
41	4.300000e+001	1.170000e+000	1.185030e+000	-1.503003e-002
42	4.400000e+001	1.150000e+000	1.171532e+000	-2.153179e-002
43	4.500000e+001	1.140000e+000	1.158187e+000	-1.818730e-002
44	4.600000e+001	1.120000e+000	1.144995e+000	-2.499481e-002
45	4.700000e+001	1.100000e+000	1.131953e+000	-3.195260e-002
46	4.800000e+001	1.100000e+000	1.119059e+000	-1.905894e-002
47	4.900000e+001	1.090000e+000	1.106312e+000	-1.631215e-002
48	5.000000e+001	1.070000e+000	1.093711e+000	-2.371056e-002
49	5.100000e+001	1.070000e+000	1.081253e+000	-1.125251e-002
50	5.200000e+001	1.070000e+000	1.068936e+000	1.063644e-003
51	5.300000e+001	1.050000e+000	1.056760e+000	-6.760495e-003
52	5.400000e+001	1.000000e+000	1.044723e+000	-4.472333e-002
53	5.500000e+001	1.010000e+000	1.032823e+000	-2.282327e-002
54	5.600000e+001	1.010000e+000	1.021059e+000	-1.105876e-002
55	5.700000e+001	9.800000e-001	1.009428e+000	-2.942825e-002
56	5.800000e+001	9.800000e-001	9.979302e-001	-1.793023e-002
57	5.900000e+001	9.500000e-001	9.865632e-001	-3.656317e-002
58	6.000000e+001	9.300000e-001	9.753256e-001	-4.532559e-002
59	6.100000e+001	9.400000e-001	9.642160e-001	-2.421602e-002
60	6.200000e+001	9.400000e-001	9.532330e-001	-1.323299e-002
61	6.300000e+001	9.300000e-001	9.423751e-001	-1.237506e-002
62	6.400000e+001	9.300000e-001	9.316408e-001	-1.640813e-003
63	6.500000e+001	9.000000e-001	9.210288e-001	-2.102884e-002
64	6.600000e+001	8.800000e-001	9.105377e-001	-3.053773e-002
65	6.700000e+001	8.700000e-001	9.001661e-001	-3.016613e-002
66	6.800000e+001	8.700000e-001	8.899127e-001	-1.991267e-002
67	6.900000e+001	8.600000e-001	8.797760e-001	-1.977601e-002
68	7.000000e+001	8.400000e-001	8.697548e-001	-2.975480e-002
69	7.100000e+001	8.400000e-001	8.598477e-001	-1.984774e-002
70	7.200000e+001	8.300000e-001	8.500535e-001	-2.005353e-002
71	7.300000e+001	8.200000e-001	8.403709e-001	-2.037089e-002
72	7.400000e+001	8.100000e-001	8.307985e-001	-2.079853e-002
73	7.500000e+001	8.100000e-001	8.213352e-001	-1.133521e-002

74	7.600000e+001	7.900000e-001	8.119797e-001	-2.197968e-002
75	7.700000e+001	7.900000e-001	8.027307e-001	-1.273072e-002
76	7.800000e+001	7.700000e-001	7.935871e-001	-2.358711e-002
77	7.900000e+001	7.800000e-001	7.845477e-001	-4.547653e-003
78	8.000000e+001	7.600000e-001	7.756112e-001	-1.561116e-002
79	8.100000e+001	7.500000e-001	7.667765e-001	-1.677646e-002
80	8.200000e+001	7.500000e-001	7.580424e-001	-8.042389e-003
81	8.300000e+001	7.400000e-001	7.494078e-001	-9.407807e-003
82	8.400000e+001	6.900000e-001	7.408716e-001	-5.087158e-002
83	8.500000e+001	7.300000e-001	7.324326e-001	-2.432583e-003
84	8.600000e+001	7.100000e-001	7.240897e-001	-1.408971e-002
85	8.700000e+001	7.000000e-001	7.158419e-001	-1.584187e-002
86	8.800000e+001	6.900000e-001	7.076880e-001	-1.768798e-002
87	8.900000e+001	6.900000e-001	6.996270e-001	-9.626969e-003
88	9.000000e+001	6.800000e-001	6.916578e-001	-1.165778e-002
89	9.100000e+001	6.700000e-001	6.837794e-001	-1.377936e-002
90	9.200000e+001	6.600000e-001	6.759907e-001	-1.599068e-002
91	9.300000e+001	6.600000e-001	6.682907e-001	-8.290716e-003
92	9.400000e+001	6.500000e-001	6.606785e-001	-1.067846e-002
93	9.500000e+001	6.200000e-001	6.531529e-001	-3.315292e-002
94	9.600000e+001	6.500000e-001	6.457131e-001	4.286908e-003
95	9.700000e+001	6.400000e-001	6.383580e-001	1.641988e-003
96	9.800000e+001	6.300000e-001	6.310867e-001	-1.086711e-003
97	9.900000e+001	6.200000e-001	6.238982e-001	-3.898234e-003
98	1.000000e+002	5.900000e-001	6.167916e-001	-2.679164e-002
99	1.010000e+002	5.900000e-001	6.097660e-001	-1.976599e-002
100	1.020000e+002	5.800000e-001	6.028204e-001	-2.282037e-002
101	1.030000e+002	5.500000e-001	5.959539e-001	-4.595387e-002
102	1.040000e+002	5.700000e-001	5.891656e-001	-1.916558e-002
103	1.050000e+002	5.600000e-001	5.824546e-001	-2.245461e-002
104	1.060000e+002	5.800000e-001	5.758201e-001	4.179919e-003
105	1.070000e+002	5.800000e-001	5.692611e-001	1.073887e-002
106	1.080000e+002	5.600000e-001	5.627769e-001	-2.776883e-003
107	1.090000e+002	5.600000e-001	5.563665e-001	3.633502e-003
108	1.100000e+002	5.300000e-001	5.500291e-001	-2.002913e-002
109	1.110000e+002	5.200000e-001	5.437640e-001	-2.376395e-002
110	1.120000e+002	5.400000e-001	5.375701e-001	2.429862e-003
111	1.130000e+002	5.400000e-001	5.314469e-001	8.553126e-003
112	1.140000e+002	4.900000e-001	5.253934e-001	-3.539336e-002
113	1.150000e+002	4.800000e-001	5.194088e-001	-3.940880e-002
114	1.160000e+002	5.100000e-001	5.134924e-001	-3.492401e-003
115	1.170000e+002	4.900000e-001	5.076434e-001	-1.764340e-002
116	1.180000e+002	4.900000e-001	5.018610e-001	-1.186102e-002
117	1.190000e+002	4.800000e-001	4.961445e-001	-1.614450e-002
118	1.200000e+002	4.500000e-001	4.904931e-001	-4.049311e-002
119	1.210000e+002	4.600000e-001	4.849061e-001	-2.490608e-002
120	1.220000e+002	4.600000e-001	4.793827e-001	-1.938269e-002
121	1.230000e+002	4.500000e-001	4.739222e-001	-2.392222e-002
122	1.240000e+002	4.500000e-001	4.685239e-001	-1.852395e-002
123	1.250000e+002	4.600000e-001	4.631872e-001	-3.187162e-003
124	1.260000e+002	4.500000e-001	4.579112e-001	-7.911168e-003
125	1.270000e+002	4.400000e-001	4.526953e-001	-1.269527e-002
126	1.280000e+002	4.600000e-001	4.475388e-001	1.246121e-002
127	1.290000e+002	4.200000e-001	4.424410e-001	-2.244104e-002
128	1.300000e+002	4.400000e-001	4.374014e-001	2.598648e-003
129	1.310000e+002	4.400000e-001	4.324191e-001	7.580926e-003
130	1.320000e+002	4.200000e-001	4.274935e-001	-7.493548e-003

131	1.330000e+002	4.200000e-001	4.226241e-001	-2.624126e-003
132	1.340000e+002	4.200000e-001	4.178102e-001	2.189830e-003
133	1.350000e+002	4.100000e-001	4.130510e-001	-3.051048e-003
134	1.360000e+002	3.900000e-001	4.083461e-001	-1.834614e-002
135	1.370000e+002	4.000000e-001	4.036948e-001	-3.694815e-003
136	1.380000e+002	4.000000e-001	3.990965e-001	9.035240e-004
137	1.390000e+002	3.800000e-001	3.945505e-001	-1.455051e-002
138	1.400000e+002	3.900000e-001	3.900563e-001	-5.633512e-005
139	1.410000e+002	3.700000e-001	3.856133e-001	-1.561335e-002
140	1.420000e+002	3.800000e-001	3.812210e-001	-1.220967e-003
141	1.430000e+002	3.900000e-001	3.768786e-001	1.312138e-002
142	1.440000e+002	3.600000e-001	3.725857e-001	-1.258573e-002
143	1.450000e+002	3.600000e-001	3.683417e-001	-8.341747e-003
144	1.460000e+002	3.600000e-001	3.641461e-001	-4.146101e-003
145	1.470000e+002	3.600000e-001	3.599982e-001	1.752936e-006
146	1.480000e+002	3.600000e-001	3.558976e-001	4.102361e-003
147	1.490000e+002	3.500000e-001	3.518437e-001	-1.843740e-003
148	1.500000e+002	3.400000e-001	3.478360e-001	-7.836018e-003
149	1.510000e+002	3.300000e-001	3.438739e-001	-1.387395e-002
150	1.520000e+002	3.200000e-001	3.399570e-001	-1.995700e-002
151	1.530000e+002	3.400000e-001	3.360847e-001	3.915321e-003
152	1.540000e+002	3.200000e-001	3.322565e-001	-1.225646e-002
153	1.550000e+002	3.200000e-001	3.284719e-001	-8.471851e-003
154	1.560000e+002	3.200000e-001	3.247303e-001	-4.730349e-003
155	1.570000e+002	3.200000e-001	3.210315e-001	-1.031465e-003
156	1.580000e+002	3.200000e-001	3.173747e-001	2.625286e-003
157	1.590000e+002	3.200000e-001	3.137596e-001	6.240385e-003
158	1.600000e+002	3.100000e-001	3.101857e-001	-1.856947e-004
159	1.610000e+002	3.200000e-001	3.066525e-001	1.334752e-002
160	1.620000e+002	3.100000e-001	3.031595e-001	6.840482e-003
161	1.630000e+002	3.200000e-001	2.997063e-001	2.029366e-002
162	1.640000e+002	3.000000e-001	2.962925e-001	3.707505e-003
163	1.650000e+002	2.900000e-001	2.929175e-001	-2.917536e-003
164	1.660000e+002	2.900000e-001	2.895810e-001	4.189799e-004
165	1.670000e+002	3.000000e-001	2.862825e-001	1.371749e-002
166	1.680000e+002	2.900000e-001	2.830216e-001	6.978430e-003
167	1.690000e+002	2.800000e-001	2.797978e-001	2.022241e-004
168	1.700000e+002	2.900000e-001	2.766107e-001	1.338930e-002
169	1.710000e+002	2.800000e-001	2.734599e-001	6.540068e-003
170	1.720000e+002	2.900000e-001	2.703451e-001	1.965495e-002
171	1.730000e+002	2.800000e-001	2.672656e-001	1.273435e-002
172	1.740000e+002	2.700000e-001	2.642213e-001	5.778676e-003
173	1.750000e+002	2.800000e-001	2.612117e-001	1.878832e-002
174	1.760000e+002	2.700000e-001	2.582363e-001	1.176369e-002
175	1.770000e+002	2.800000e-001	2.552948e-001	2.470516e-002
176	1.780000e+002	2.700000e-001	2.523869e-001	1.761313e-002
177	1.790000e+002	2.400000e-001	2.495120e-001	-9.512020e-003
178	1.800000e+002	2.500000e-001	2.466699e-001	3.330079e-003
179	1.810000e+002	2.700000e-001	2.438602e-001	2.613981e-002
180	1.820000e+002	2.500000e-001	2.410825e-001	8.917528e-003
181	1.830000e+002	2.600000e-001	2.383364e-001	2.166361e-002
182	1.840000e+002	2.600000e-001	2.356216e-001	2.437841e-002
183	1.850000e+002	2.600000e-001	2.329377e-001	2.706229e-002
184	1.860000e+002	2.500000e-001	2.302844e-001	1.971560e-002
185	1.870000e+002	2.500000e-001	2.276613e-001	2.233868e-002
186	1.880000e+002	2.500000e-001	2.250681e-001	2.493189e-002
187	1.890000e+002	2.500000e-001	2.225044e-001	2.749556e-002

188	1.900000e+002	2.400000e-001	2.199700e-001	2.003002e-002
189	1.910000e+002	2.300000e-001	2.174644e-001	1.253562e-002
190	1.920000e+002	2.200000e-001	2.149873e-001	5.012677e-003
191	1.930000e+002	2.100000e-001	2.125385e-001	-2.538481e-003
192	1.940000e+002	2.200000e-001	2.101175e-001	9.882466e-003
193	1.950000e+002	2.100000e-001	2.077242e-001	2.275838e-003
194	1.960000e+002	2.200000e-001	2.053581e-001	1.464195e-002
195	1.970000e+002	2.200000e-001	2.030189e-001	1.698111e-002
196	1.980000e+002	2.100000e-001	2.007064e-001	9.293619e-003
197	1.990000e+002	2.100000e-001	1.984202e-001	1.157979e-002
198	2.000000e+002	2.100000e-001	1.961601e-001	1.383992e-002
199	2.010000e+002	2.000000e-001	1.939257e-001	6.074310e-003
200	2.020000e+002	1.900000e-001	1.917168e-001	-1.716753e-003
201	2.030000e+002	1.800000e-001	1.895330e-001	-9.532978e-003
202	2.040000e+002	1.900000e-001	1.873741e-001	2.625922e-003
203	2.050000e+002	1.900000e-001	1.852398e-001	4.760231e-003
204	2.060000e+002	1.900000e-001	1.831298e-001	6.870229e-003
205	2.070000e+002	1.800000e-001	1.810438e-001	-1.043807e-003
206	2.080000e+002	1.900000e-001	1.789816e-001	1.101840e-002
207	2.090000e+002	1.800000e-001	1.769429e-001	3.057110e-003
208	2.100000e+002	1.500000e-001	1.749274e-001	-2.492740e-002
209	2.110000e+002	1.700000e-001	1.729349e-001	-2.934865e-003
210	2.120000e+002	1.400000e-001	1.709650e-001	-3.096503e-002
211	2.130000e+002	1.500000e-001	1.690176e-001	-1.901763e-002
212	2.140000e+002	1.600000e-001	1.670924e-001	-7.092410e-003
213	2.150000e+002	1.500000e-001	1.651891e-001	-1.518912e-002
214	2.160000e+002	1.600000e-001	1.633075e-001	-3.307513e-003
215	2.170000e+002	1.600000e-001	1.614473e-001	-1.447338e-003
216	2.180000e+002	1.700000e-001	1.596084e-001	1.039165e-002
217	2.190000e+002	1.500000e-001	1.577903e-001	-7.790310e-003
218	2.200000e+002	1.500000e-001	1.559930e-001	-5.992979e-003
219	2.210000e+002	1.600000e-001	1.542161e-001	5.783880e-003
220	2.220000e+002	1.500000e-001	1.524595e-001	-2.459501e-003
221	2.230000e+002	1.400000e-001	1.507229e-001	-1.072289e-002
222	2.240000e+002	1.500000e-001	1.490061e-001	9.939378e-004
223	2.250000e+002	1.500000e-001	1.473088e-001	2.691211e-003
224	2.260000e+002	1.400000e-001	1.456308e-001	-5.630849e-003
225	2.270000e+002	1.300000e-001	1.439720e-001	-1.397202e-002
226	2.280000e+002	1.400000e-001	1.423321e-001	-2.332089e-003
227	2.290000e+002	1.300000e-001	1.407108e-001	-1.071084e-002
228	2.300000e+002	1.400000e-001	1.391081e-001	8.919488e-004
229	2.310000e+002	1.400000e-001	1.375235e-001	2.476477e-003
230	2.320000e+002	1.400000e-001	1.359570e-001	4.042957e-003
231	2.330000e+002	1.500000e-001	1.344084e-001	1.559159e-002
232	2.340000e+002	1.100000e-001	1.328774e-001	-2.287741e-002
233	2.350000e+002	1.200000e-001	1.313639e-001	-1.136385e-002
234	2.360000e+002	1.400000e-001	1.298675e-001	1.013247e-002
235	2.370000e+002	1.300000e-001	1.283883e-001	1.611739e-003
236	2.380000e+002	1.500000e-001	1.269258e-001	2.307416e-002
237	2.390000e+002	1.400000e-001	1.254801e-001	1.451993e-002
238	2.400000e+002	1.300000e-001	1.240508e-001	5.949225e-003
239	2.410000e+002	1.300000e-001	1.226378e-001	7.362242e-003
240	2.420000e+002	1.300000e-001	1.212408e-001	8.759164e-003
241	2.430000e+002	1.200000e-001	1.198598e-001	1.401733e-004
242	2.440000e+002	9.000000e-002	1.184945e-001	-2.849455e-002
243	2.450000e+002	1.100000e-001	1.171448e-001	-7.144820e-003
244	2.460000e+002	1.200000e-001	1.158105e-001	4.189534e-003

245	2.470000e+002	1.200000e-001	1.144913e-001	5.508688e-003
246	2.480000e+002	1.100000e-001	1.131872e-001	-3.187183e-003
247	2.490000e+002	1.100000e-001	1.118979e-001	-1.897910e-003
248	2.500000e+002	1.200000e-001	1.106233e-001	9.376678e-003
249	2.510000e+002	1.200000e-001	1.093633e-001	1.063675e-002
250	2.520000e+002	1.200000e-001	1.081175e-001	1.188246e-002
251	2.530000e+002	1.000000e-001	1.068860e-001	-6.886009e-003
252	2.540000e+002	9.000000e-002	1.056685e-001	-1.566851e-002



BR-12-RB Test 1 Optimized

BR-12-RB Test 2, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 330 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 138.2 ft

Initial Displacement
Fixed Value = 2.46634 ft

Hydraulic Conductivity
Calculated Value = 4.76521e-006 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 8.03842

B
Calculated Value = 2.11322

C
Calculated Value = 10.496

Linear Regression Slope
Fixed Value = -0.0102445 ft/sec

Linear Regression Intercept
Fixed Value = 2.46634 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.010244 ft/sec
Intercept: 2.466345 ft

Residual Mean = 0.009761
Residual Standard Dev. = 0.071425
Residual Sum of Squares = 1.714964
Absolute Residual Mean = 0.034048
Minimum Residual = -0.061196
Maximum Residual = 0.458793

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	2.900000e+000	2.441207e+000	4.587928e-001
1	2.000000e+000	2.820000e+000	2.416326e+000	4.036740e-001
2	3.000000e+000	2.770000e+000	2.391698e+000	3.783015e-001
3	4.000000e+000	2.730000e+000	2.367322e+000	3.626781e-001
4	5.000000e+000	2.680000e+000	2.343194e+000	3.368062e-001
5	6.000000e+000	2.630000e+000	2.319312e+000	3.106884e-001
6	7.000000e+000	2.600000e+000	2.295673e+000	3.043272e-001
7	8.000000e+000	2.540000e+000	2.272275e+000	2.677250e-001
8	9.000000e+000	2.500000e+000	2.249116e+000	2.508844e-001
9	1.000000e+001	2.470000e+000	2.226192e+000	2.438078e-001
10	1.100000e+001	2.430000e+000	2.203503e+000	2.264975e-001
11	1.200000e+001	2.400000e+000	2.181044e+000	2.189559e-001
12	1.300000e+001	2.370000e+000	2.158815e+000	2.111854e-001
13	1.400000e+001	2.300000e+000	2.136812e+000	1.631884e-001
14	1.500000e+001	2.280000e+000	2.115033e+000	1.649671e-001
15	1.600000e+001	2.270000e+000	2.093476e+000	1.765239e-001
16	1.700000e+001	2.240000e+000	2.072139e+000	1.678609e-001

17	1.800000e+001	2.210000e+000	2.051020e+000	1.589805e-001
18	1.900000e+001	2.170000e+000	2.030115e+000	1.398848e-001
19	2.000000e+001	2.140000e+000	2.009424e+000	1.305760e-001
20	2.100000e+001	2.120000e+000	1.988944e+000	1.310564e-001
21	2.200000e+001	2.090000e+000	1.968672e+000	1.213280e-001
22	2.300000e+001	2.070000e+000	1.948607e+000	1.213930e-001
23	2.400000e+001	2.040000e+000	1.928746e+000	1.112535e-001
24	2.500000e+001	2.000000e+000	1.909088e+000	9.091161e-002
25	2.600000e+001	1.980000e+000	1.889631e+000	9.036933e-002
26	2.700000e+001	1.960000e+000	1.870371e+000	8.962874e-002
27	2.800000e+001	1.940000e+000	1.851308e+000	8.869186e-002
28	2.900000e+001	1.910000e+000	1.832439e+000	7.756068e-002
29	3.000000e+001	1.880000e+000	1.813763e+000	6.623719e-002
30	3.100000e+001	1.860000e+000	1.795277e+000	6.472334e-002
31	3.200000e+001	1.830000e+000	1.776979e+000	5.302108e-002
32	3.300000e+001	1.790000e+000	1.758868e+000	3.113232e-002
33	3.400000e+001	1.760000e+000	1.740941e+000	1.905898e-002
34	3.500000e+001	1.760000e+000	1.723197e+000	3.680292e-002
35	3.600000e+001	1.730000e+000	1.705634e+000	2.436601e-002
36	3.700000e+001	1.700000e+000	1.688250e+000	1.175010e-002
37	3.800000e+001	1.680000e+000	1.671043e+000	8.957002e-003
38	3.900000e+001	1.670000e+000	1.654011e+000	1.598853e-002
39	4.000000e+001	1.640000e+000	1.637154e+000	2.846474e-003
40	4.100000e+001	1.630000e+000	1.620467e+000	9.532598e-003
41	4.200000e+001	1.590000e+000	1.603951e+000	-1.395135e-002
42	4.300000e+001	1.600000e+000	1.587604e+000	1.239637e-002
43	4.400000e+001	1.590000e+000	1.571423e+000	1.857748e-002
44	4.500000e+001	1.570000e+000	1.555406e+000	1.459366e-002
45	4.600000e+001	1.540000e+000	1.539553e+000	4.466038e-004
46	4.700000e+001	1.510000e+000	1.523862e+000	-1.386203e-002
47	4.800000e+001	1.510000e+000	1.508331e+000	1.669410e-003
48	4.900000e+001	1.500000e+000	1.492957e+000	7.042550e-003
49	5.000000e+001	1.460000e+000	1.477741e+000	-1.774100e-002
50	5.100000e+001	1.450000e+000	1.462680e+000	-1.267963e-002
51	5.200000e+001	1.450000e+000	1.447772e+000	2.228229e-003
52	5.300000e+001	1.420000e+000	1.433016e+000	-1.301586e-002
53	5.400000e+001	1.410000e+000	1.418410e+000	-8.410336e-003
54	5.500000e+001	1.410000e+000	1.403954e+000	6.046323e-003
55	5.600000e+001	1.390000e+000	1.389644e+000	3.556369e-004
56	5.700000e+001	1.370000e+000	1.375481e+000	-5.480892e-003
57	5.800000e+001	1.340000e+000	1.361462e+000	-2.146178e-002
58	5.900000e+001	1.320000e+000	1.347586e+000	-2.758555e-002
59	6.000000e+001	1.320000e+000	1.333851e+000	-1.385075e-002
60	6.100000e+001	1.270000e+000	1.320256e+000	-5.025593e-002
61	6.200000e+001	1.300000e+000	1.306800e+000	-6.799677e-003
62	6.300000e+001	1.280000e+000	1.293481e+000	-1.348057e-002
63	6.400000e+001	1.270000e+000	1.280297e+000	-1.029722e-002
64	6.500000e+001	1.230000e+000	1.267248e+000	-3.724823e-002
65	6.600000e+001	1.250000e+000	1.254332e+000	-4.332237e-003
66	6.700000e+001	1.230000e+000	1.241548e+000	-1.154789e-002
67	6.800000e+001	1.230000e+000	1.228894e+000	1.106161e-003
68	6.900000e+001	1.190000e+000	1.216369e+000	-2.636876e-002
69	7.000000e+001	1.170000e+000	1.203971e+000	-3.397134e-002
70	7.100000e+001	1.160000e+000	1.191700e+000	-3.170028e-002
71	7.200000e+001	1.160000e+000	1.179554e+000	-1.955428e-002
72	7.300000e+001	1.130000e+000	1.167532e+000	-3.753208e-002
73	7.400000e+001	1.130000e+000	1.155632e+000	-2.563242e-002

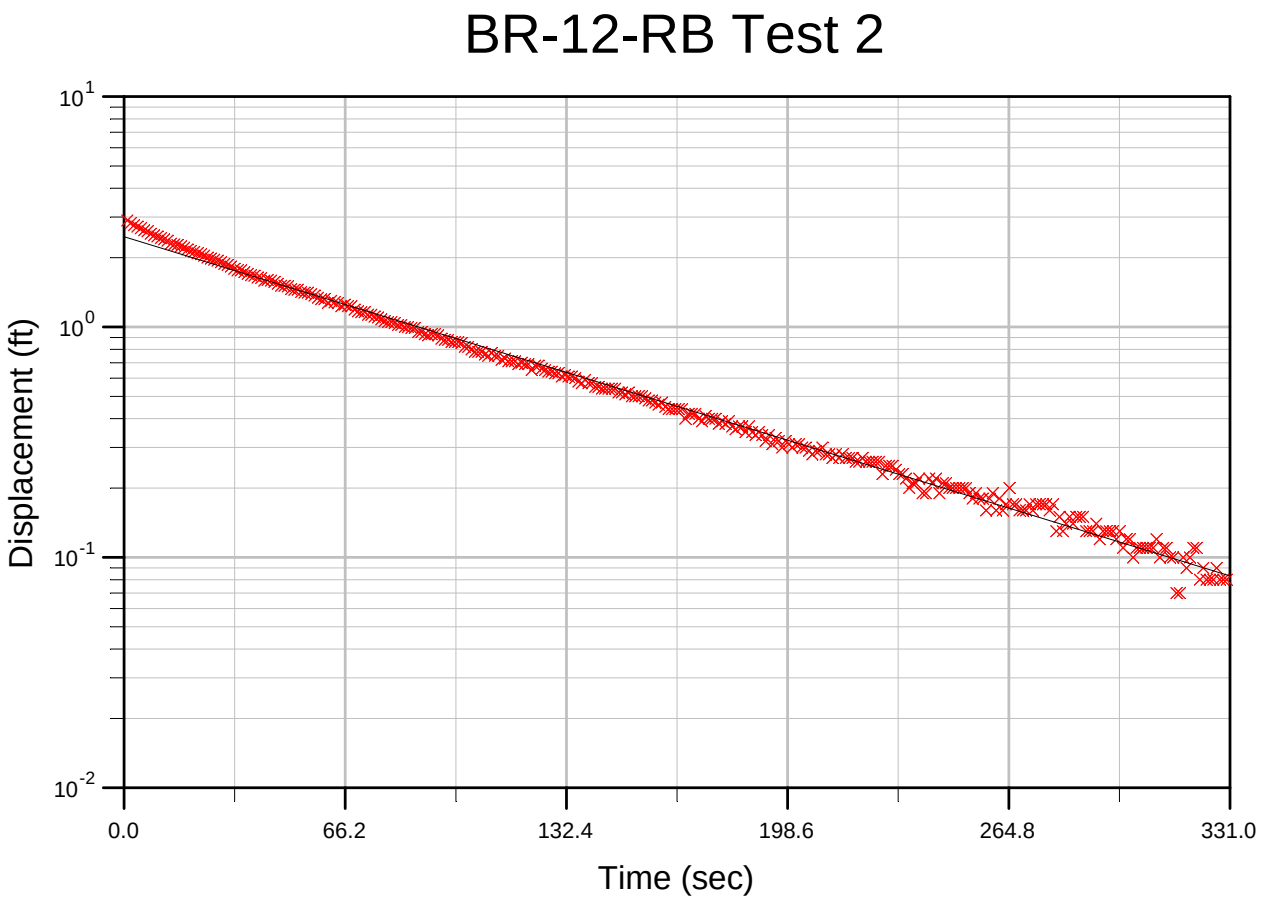
74	7.500000e+001	1.110000e+000	1.143854e+000	-3.385403e-002
75	7.600000e+001	1.100000e+000	1.132196e+000	-3.219569e-002
76	7.700000e+001	1.080000e+000	1.120656e+000	-4.065618e-002
77	7.800000e+001	1.060000e+000	1.109234e+000	-4.923428e-002
78	7.900000e+001	1.050000e+000	1.097929e+000	-4.792879e-002
79	8.000000e+001	1.050000e+000	1.086739e+000	-3.673853e-002
80	8.100000e+001	1.040000e+000	1.075662e+000	-3.566232e-002
81	8.200000e+001	1.020000e+000	1.064699e+000	-4.469900e-002
82	8.300000e+001	1.020000e+000	1.053847e+000	-3.384742e-002
83	8.400000e+001	1.000000e+000	1.043106e+000	-4.310645e-002
84	8.500000e+001	1.000000e+000	1.032475e+000	-3.247494e-002
85	8.600000e+001	9.900000e-001	1.021952e+000	-3.195180e-002
86	8.700000e+001	9.900000e-001	1.011536e+000	-2.153591e-002
87	8.800000e+001	9.500000e-001	1.001226e+000	-5.122618e-002
88	8.900000e+001	9.500000e-001	9.910215e-001	-4.102152e-002
89	9.000000e+001	9.300000e-001	9.809209e-001	-5.092088e-002
90	9.100000e+001	9.200000e-001	9.709232e-001	-5.092318e-002
91	9.200000e+001	9.300000e-001	9.610274e-001	-3.102738e-002
92	9.300000e+001	9.300000e-001	9.512324e-001	-2.123244e-002
93	9.400000e+001	9.200000e-001	9.415373e-001	-2.153733e-002
94	9.500000e+001	8.900000e-001	9.319410e-001	-4.194103e-002
95	9.600000e+001	8.800000e-001	9.224425e-001	-4.244255e-002
96	9.700000e+001	8.800000e-001	9.130409e-001	-3.304087e-002
97	9.800000e+001	8.600000e-001	9.037350e-001	-4.373501e-002
98	9.900000e+001	8.600000e-001	8.945240e-001	-3.452401e-002
99	1.000000e+002	8.600000e-001	8.854069e-001	-2.540688e-002
100	1.010000e+002	8.500000e-001	8.763827e-001	-2.638267e-002
101	1.020000e+002	8.200000e-001	8.674504e-001	-4.745045e-002
102	1.030000e+002	8.200000e-001	8.586093e-001	-3.860926e-002
103	1.040000e+002	8.000000e-001	8.498582e-001	-4.985818e-002
104	1.050000e+002	7.800000e-001	8.411963e-001	-6.119629e-002
105	1.060000e+002	7.800000e-001	8.326227e-001	-5.262269e-002
106	1.070000e+002	7.800000e-001	8.241365e-001	-4.413647e-002
107	1.080000e+002	7.600000e-001	8.157367e-001	-5.573674e-002
108	1.090000e+002	7.500000e-001	8.074226e-001	-5.742262e-002
109	1.100000e+002	7.700000e-001	7.991932e-001	-2.919325e-002
110	1.110000e+002	7.500000e-001	7.910477e-001	-4.104775e-002
111	1.120000e+002	7.500000e-001	7.829853e-001	-3.298526e-002
112	1.130000e+002	7.200000e-001	7.750050e-001	-5.500496e-002
113	1.140000e+002	7.300000e-001	7.671060e-001	-3.710599e-002
114	1.150000e+002	7.100000e-001	7.592875e-001	-4.928752e-002
115	1.160000e+002	7.100000e-001	7.515487e-001	-4.154875e-002
116	1.170000e+002	7.100000e-001	7.438888e-001	-3.388884e-002
117	1.180000e+002	6.900000e-001	7.363070e-001	-4.630701e-002
118	1.190000e+002	7.000000e-001	7.288025e-001	-2.880246e-002
119	1.200000e+002	6.900000e-001	7.213744e-001	-3.137439e-002
120	1.210000e+002	6.900000e-001	7.140220e-001	-2.402203e-002
121	1.220000e+002	6.500000e-001	7.067446e-001	-5.674461e-002
122	1.230000e+002	6.800000e-001	6.995414e-001	-1.954135e-002
123	1.240000e+002	6.800000e-001	6.924115e-001	-1.241152e-002
124	1.250000e+002	6.600000e-001	6.853544e-001	-2.535435e-002
125	1.260000e+002	6.500000e-001	6.783691e-001	-2.836912e-002
126	1.270000e+002	6.400000e-001	6.714551e-001	-3.145507e-002
127	1.280000e+002	6.400000e-001	6.646115e-001	-2.461150e-002
128	1.290000e+002	6.300000e-001	6.578377e-001	-2.783767e-002
129	1.300000e+002	6.300000e-001	6.511329e-001	-2.113289e-002
130	1.310000e+002	6.100000e-001	6.444964e-001	-3.449644e-002

131	1.320000e+002	6.200000e-001	6.379276e-001	-1.792764e-002
132	1.330000e+002	6.100000e-001	6.314258e-001	-2.142578e-002
133	1.340000e+002	6.100000e-001	6.249902e-001	-1.499019e-002
134	1.350000e+002	6.000000e-001	6.186202e-001	-1.862019e-002
135	1.360000e+002	5.800000e-001	6.123151e-001	-3.231512e-002
136	1.370000e+002	5.700000e-001	6.060743e-001	-3.607431e-002
137	1.380000e+002	5.900000e-001	5.998971e-001	-9.897103e-003
138	1.390000e+002	5.700000e-001	5.937829e-001	-2.378286e-002
139	1.400000e+002	5.700000e-001	5.877309e-001	-1.773093e-002
140	1.410000e+002	5.500000e-001	5.817407e-001	-3.174069e-002
141	1.420000e+002	5.500000e-001	5.758115e-001	-2.581149e-002
142	1.430000e+002	5.400000e-001	5.699427e-001	-2.994273e-002
143	1.440000e+002	5.400000e-001	5.641338e-001	-2.413379e-002
144	1.450000e+002	5.400000e-001	5.583841e-001	-1.838405e-002
145	1.460000e+002	5.400000e-001	5.526929e-001	-1.269291e-002
146	1.470000e+002	5.400000e-001	5.470598e-001	-7.059781e-003
147	1.480000e+002	5.200000e-001	5.414841e-001	-2.148406e-002
148	1.490000e+002	5.200000e-001	5.359652e-001	-1.596517e-002
149	1.500000e+002	5.100000e-001	5.305025e-001	-2.050253e-002
150	1.510000e+002	5.200000e-001	5.250956e-001	-5.095568e-003
151	1.520000e+002	5.000000e-001	5.197437e-001	-1.974371e-002
152	1.530000e+002	5.000000e-001	5.144464e-001	-1.444640e-002
153	1.540000e+002	5.000000e-001	5.092031e-001	-9.203086e-003
154	1.550000e+002	5.000000e-001	5.040132e-001	-4.013209e-003
155	1.560000e+002	4.900000e-001	4.988762e-001	-8.876228e-003
156	1.570000e+002	4.800000e-001	4.937916e-001	-1.379160e-002
157	1.580000e+002	4.800000e-001	4.887588e-001	-8.758803e-003
158	1.590000e+002	4.700000e-001	4.837773e-001	-1.377730e-002
159	1.600000e+002	4.600000e-001	4.788466e-001	-1.884656e-002
160	1.610000e+002	4.700000e-001	4.739661e-001	-3.966086e-003
161	1.620000e+002	4.500000e-001	4.691353e-001	-1.913535e-002
162	1.630000e+002	4.400000e-001	4.643538e-001	-2.435385e-002
163	1.640000e+002	4.400000e-001	4.596211e-001	-1.962108e-002
164	1.650000e+002	4.400000e-001	4.549366e-001	-1.493655e-002
165	1.660000e+002	4.400000e-001	4.502998e-001	-1.029977e-002
166	1.670000e+002	4.400000e-001	4.457102e-001	-5.710244e-003
167	1.680000e+002	4.000000e-001	4.411675e-001	-4.116750e-002
168	1.690000e+002	4.200000e-001	4.366710e-001	-1.667105e-002
169	1.700000e+002	4.200000e-001	4.322204e-001	-1.222043e-002
170	1.710000e+002	4.200000e-001	4.278152e-001	-7.815171e-003
171	1.720000e+002	4.000000e-001	4.234548e-001	-2.345481e-002
172	1.730000e+002	3.900000e-001	4.191389e-001	-2.913889e-002
173	1.740000e+002	4.100000e-001	4.148670e-001	-4.866966e-003
174	1.750000e+002	4.000000e-001	4.106386e-001	-1.063858e-002
175	1.760000e+002	4.000000e-001	4.064533e-001	-6.453285e-003
176	1.770000e+002	4.000000e-001	4.023107e-001	-2.310650e-003
177	1.780000e+002	3.800000e-001	3.982102e-001	-1.821024e-002
178	1.790000e+002	3.900000e-001	3.941516e-001	-4.151617e-003
179	1.800000e+002	3.800000e-001	3.901344e-001	-1.013436e-002
180	1.810000e+002	3.900000e-001	3.861581e-001	3.841948e-003
181	1.820000e+002	3.700000e-001	3.822223e-001	-1.222227e-002
182	1.830000e+002	3.600000e-001	3.783266e-001	-1.832660e-002
183	1.840000e+002	3.700000e-001	3.744706e-001	-4.470637e-003
184	1.850000e+002	3.700000e-001	3.706540e-001	-6.539739e-004
185	1.860000e+002	3.500000e-001	3.668762e-001	-1.687621e-002
186	1.870000e+002	3.700000e-001	3.631370e-001	6.863048e-003
187	1.880000e+002	3.500000e-001	3.594358e-001	-9.435803e-003

188	1.890000e+002	3.400000e-001	3.557724e-001	-1.577238e-002
189	1.900000e+002	3.500000e-001	3.521463e-001	-2.146290e-003
190	1.910000e+002	3.400000e-001	3.485572e-001	-8.557161e-003
191	1.920000e+002	3.200000e-001	3.450046e-001	-2.500461e-002
192	1.930000e+002	3.400000e-001	3.414883e-001	-1.488271e-003
193	1.940000e+002	3.100000e-001	3.380078e-001	-2.800777e-002
194	1.950000e+002	3.300000e-001	3.345627e-001	-4.562742e-003
195	1.960000e+002	3.200000e-001	3.311528e-001	-1.115283e-002
196	1.970000e+002	3.000000e-001	3.277777e-001	-2.777767e-002
197	1.980000e+002	3.200000e-001	3.244369e-001	-4.436904e-003
198	1.990000e+002	3.100000e-001	3.211302e-001	-1.113019e-002
199	2.000000e+002	3.000000e-001	3.178572e-001	-1.785718e-002
200	2.010000e+002	3.100000e-001	3.146175e-001	-4.617534e-003
201	2.020000e+002	3.100000e-001	3.114109e-001	-1.410903e-003
202	2.030000e+002	3.000000e-001	3.082370e-001	-8.236955e-003
203	2.040000e+002	3.000000e-001	3.050954e-001	-5.095356e-003
204	2.050000e+002	2.900000e-001	3.019858e-001	-1.198578e-002
205	2.060000e+002	2.800000e-001	2.989079e-001	-1.890789e-002
206	2.070000e+002	2.900000e-001	2.958614e-001	-5.861375e-003
207	2.080000e+002	2.900000e-001	2.928459e-001	-2.845910e-003
208	2.090000e+002	3.000000e-001	2.898612e-001	1.013882e-002
209	2.100000e+002	2.800000e-001	2.869069e-001	-6.906869e-003
210	2.110000e+002	2.800000e-001	2.839827e-001	-3.982669e-003
211	2.120000e+002	2.700000e-001	2.810883e-001	-1.108827e-002
212	2.130000e+002	2.800000e-001	2.782234e-001	1.776622e-003
213	2.140000e+002	2.700000e-001	2.753877e-001	-5.387682e-003
214	2.150000e+002	2.800000e-001	2.725809e-001	7.419112e-003
215	2.160000e+002	2.700000e-001	2.698027e-001	1.972984e-004
216	2.170000e+002	2.700000e-001	2.670528e-001	2.947169e-003
217	2.180000e+002	2.700000e-001	2.643310e-001	5.669013e-003
218	2.190000e+002	2.600000e-001	2.616369e-001	-1.636884e-003
219	2.200000e+002	2.600000e-001	2.589702e-001	1.029760e-003
220	2.210000e+002	2.700000e-001	2.563308e-001	1.366922e-002
221	2.220000e+002	2.600000e-001	2.537182e-001	6.281788e-003
222	2.230000e+002	2.600000e-001	2.511323e-001	8.867723e-003
223	2.240000e+002	2.600000e-001	2.485727e-001	1.142730e-002
224	2.250000e+002	2.600000e-001	2.460392e-001	1.396079e-002
225	2.260000e+002	2.600000e-001	2.435315e-001	1.646846e-002
226	2.270000e+002	2.300000e-001	2.410494e-001	-1.104942e-002
227	2.280000e+002	2.500000e-001	2.385926e-001	1.140739e-002
228	2.290000e+002	2.500000e-001	2.361608e-001	1.383916e-002
229	2.300000e+002	2.500000e-001	2.337539e-001	1.624615e-002
230	2.310000e+002	2.400000e-001	2.313714e-001	8.628605e-003
231	2.320000e+002	2.300000e-001	2.290132e-001	9.867782e-004
232	2.330000e+002	2.300000e-001	2.266791e-001	3.320917e-003
233	2.340000e+002	2.200000e-001	2.243687e-001	-4.368735e-003
234	2.350000e+002	2.000000e-001	2.220819e-001	-2.208193e-002
235	2.360000e+002	2.100000e-001	2.198184e-001	-9.818440e-003
236	2.370000e+002	2.100000e-001	2.175780e-001	-7.578017e-003
237	2.380000e+002	2.200000e-001	2.153604e-001	4.639572e-003
238	2.390000e+002	1.900000e-001	2.131654e-001	-2.316544e-002
239	2.400000e+002	1.900000e-001	2.109928e-001	-2.099283e-002
240	2.410000e+002	2.200000e-001	2.088424e-001	1.115765e-002
241	2.420000e+002	2.100000e-001	2.067138e-001	3.286200e-003
242	2.430000e+002	2.200000e-001	2.046069e-001	1.539306e-002
243	2.440000e+002	1.900000e-001	2.025216e-001	-1.252155e-002
244	2.450000e+002	2.100000e-001	2.004574e-001	9.542576e-003

245	2.460000e+002	2.100000e-001	1.984143e-001	1.158567e-002
246	2.470000e+002	2.000000e-001	1.963921e-001	3.607939e-003
247	2.480000e+002	2.000000e-001	1.943904e-001	5.609598e-003
248	2.490000e+002	2.000000e-001	1.924091e-001	7.590855e-003
249	2.500000e+002	2.000000e-001	1.904481e-001	9.551919e-003
250	2.510000e+002	2.000000e-001	1.885070e-001	1.149300e-002
251	2.520000e+002	2.000000e-001	1.865857e-001	1.341429e-002
252	2.530000e+002	1.900000e-001	1.846840e-001	5.315998e-003
253	2.540000e+002	1.800000e-001	1.828017e-001	-2.801674e-003
254	2.550000e+002	1.900000e-001	1.809385e-001	9.061470e-003
255	2.560000e+002	1.800000e-001	1.790944e-001	9.056232e-004
256	2.570000e+002	1.800000e-001	1.772690e-001	2.730981e-003
257	2.580000e+002	1.600000e-001	1.754623e-001	-1.546227e-002
258	2.590000e+002	1.800000e-001	1.736739e-001	6.326073e-003
259	2.600000e+002	1.900000e-001	1.719038e-001	1.809618e-002
260	2.610000e+002	1.600000e-001	1.701517e-001	-1.015174e-002
261	2.620000e+002	1.800000e-001	1.684175e-001	1.158247e-002
262	2.630000e+002	1.600000e-001	1.667010e-001	-6.700994e-003
263	2.640000e+002	1.700000e-001	1.650020e-001	4.998048e-003
264	2.650000e+002	2.000000e-001	1.633202e-001	3.667977e-002
265	2.660000e+002	1.700000e-001	1.616556e-001	8.344359e-003
266	2.670000e+002	1.700000e-001	1.600080e-001	9.991978e-003
267	2.680000e+002	1.600000e-001	1.583772e-001	1.622805e-003
268	2.690000e+002	1.600000e-001	1.567630e-001	3.237010e-003
269	2.700000e+002	1.600000e-001	1.551652e-001	4.834763e-003
270	2.710000e+002	1.700000e-001	1.535838e-001	1.641623e-002
271	2.720000e+002	1.600000e-001	1.520184e-001	7.981581e-003
272	2.730000e+002	1.700000e-001	1.504690e-001	1.953098e-002
273	2.740000e+002	1.700000e-001	1.489354e-001	2.106458e-002
274	2.750000e+002	1.700000e-001	1.474174e-001	2.258255e-002
275	2.760000e+002	1.700000e-001	1.459149e-001	2.408505e-002
276	2.770000e+002	1.600000e-001	1.444278e-001	1.557224e-002
277	2.780000e+002	1.700000e-001	1.429557e-001	2.704427e-002
278	2.790000e+002	1.300000e-001	1.414987e-001	-1.149870e-002
279	2.800000e+002	1.500000e-001	1.400565e-001	9.943476e-003
280	2.810000e+002	1.300000e-001	1.386290e-001	-8.629046e-003
281	2.820000e+002	1.400000e-001	1.372161e-001	2.783883e-003
282	2.830000e+002	1.500000e-001	1.358176e-001	1.418241e-002
283	2.840000e+002	1.400000e-001	1.344333e-001	5.566685e-003
284	2.850000e+002	1.500000e-001	1.330632e-001	1.693685e-002
285	2.860000e+002	1.500000e-001	1.317069e-001	1.829305e-002
286	2.870000e+002	1.500000e-001	1.303646e-001	1.963543e-002
287	2.880000e+002	1.300000e-001	1.290359e-001	9.641239e-004
288	2.890000e+002	1.300000e-001	1.277207e-001	2.279278e-003
289	2.900000e+002	1.300000e-001	1.264190e-001	3.581027e-003
290	2.910000e+002	1.400000e-001	1.251305e-001	1.486951e-002
291	2.920000e+002	1.200000e-001	1.238551e-001	-3.855142e-003
292	2.930000e+002	1.300000e-001	1.225928e-001	7.407209e-003
293	2.940000e+002	1.300000e-001	1.213433e-001	8.656694e-003
294	2.950000e+002	1.300000e-001	1.201066e-001	9.893444e-003
295	2.960000e+002	1.300000e-001	1.188824e-001	1.111759e-002
296	2.970000e+002	1.200000e-001	1.176707e-001	2.329257e-003
297	2.980000e+002	1.300000e-001	1.164714e-001	1.352858e-002
298	2.990000e+002	1.100000e-001	1.152843e-001	-5.284330e-003
299	3.000000e+002	1.200000e-001	1.141093e-001	5.890666e-003
300	3.010000e+002	1.200000e-001	1.129463e-001	7.053686e-003
301	3.020000e+002	1.000000e-001	1.117951e-001	-1.179515e-002

302	3.030000e+002	1.100000e-001	1.106557e-001	-6.557143e-004
303	3.040000e+002	1.100000e-001	1.095279e-001	4.721060e-004
304	3.050000e+002	1.100000e-001	1.084116e-001	1.588431e-003
305	3.060000e+002	1.100000e-001	1.073066e-001	2.693379e-003
306	3.070000e+002	1.100000e-001	1.062129e-001	3.787065e-003
307	3.080000e+002	1.100000e-001	1.051304e-001	4.869603e-003
308	3.090000e+002	1.200000e-001	1.040589e-001	1.594111e-002
309	3.100000e+002	1.000000e-001	1.029983e-001	-2.998307e-003
310	3.110000e+002	1.100000e-001	1.019485e-001	8.051468e-003
311	3.120000e+002	1.100000e-001	1.009095e-001	9.090543e-003
312	3.130000e+002	1.000000e-001	9.988097e-002	1.190280e-004
313	3.140000e+002	1.000000e-001	9.886297e-002	1.137030e-003
314	3.150000e+002	7.000000e-002	9.785534e-002	-2.785534e-002
315	3.160000e+002	7.000000e-002	9.685799e-002	-2.685799e-002
316	3.170000e+002	1.000000e-001	9.587079e-002	4.129206e-003
317	3.180000e+002	9.000000e-002	9.489366e-002	-4.893664e-003
318	3.190000e+002	1.000000e-001	9.392649e-002	6.073507e-003
319	3.200000e+002	1.100000e-001	9.296918e-002	1.703082e-002
320	3.210000e+002	1.100000e-001	9.202162e-002	1.797838e-002
321	3.220000e+002	8.000000e-002	9.108372e-002	-1.108372e-002
322	3.230000e+002	9.000000e-002	9.015539e-002	-1.553853e-004
323	3.240000e+002	8.000000e-002	8.923651e-002	-9.236508e-003
324	3.250000e+002	8.000000e-002	8.832700e-002	-8.326995e-003
325	3.260000e+002	8.000000e-002	8.742675e-002	-7.426753e-003
326	3.270000e+002	9.000000e-002	8.653569e-002	3.464314e-003
327	3.280000e+002	8.000000e-002	8.565370e-002	-5.653701e-003
328	3.290000e+002	8.000000e-002	8.478070e-002	-4.780705e-003
329	3.300000e+002	8.000000e-002	8.391661e-002	-3.916607e-003



BR-12-RB Test 2, Optimized Match

BR-12-RB Test 3, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 26 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.16667 ft

Screen Inner Diameter
Fixed Value = 0.16667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 138.2 ft

Initial Displacement
Fixed Value = 1.45189 ft

Hydraulic Conductivity
Calculated Value = 2.79169e-006 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.16667 ft

Effective Screen Inner Diameter
Calculated Value = 0.16667 ft

A
Calculated Value = 8.03839

B
Calculated Value = 2.1132

C
Calculated Value = 10.4959

Linear Regression Slope
Fixed Value = -0.00600151 ft/sec

Linear Regression Intercept
Fixed Value = 1.45189 ft

ANALYSIS STATISTICS

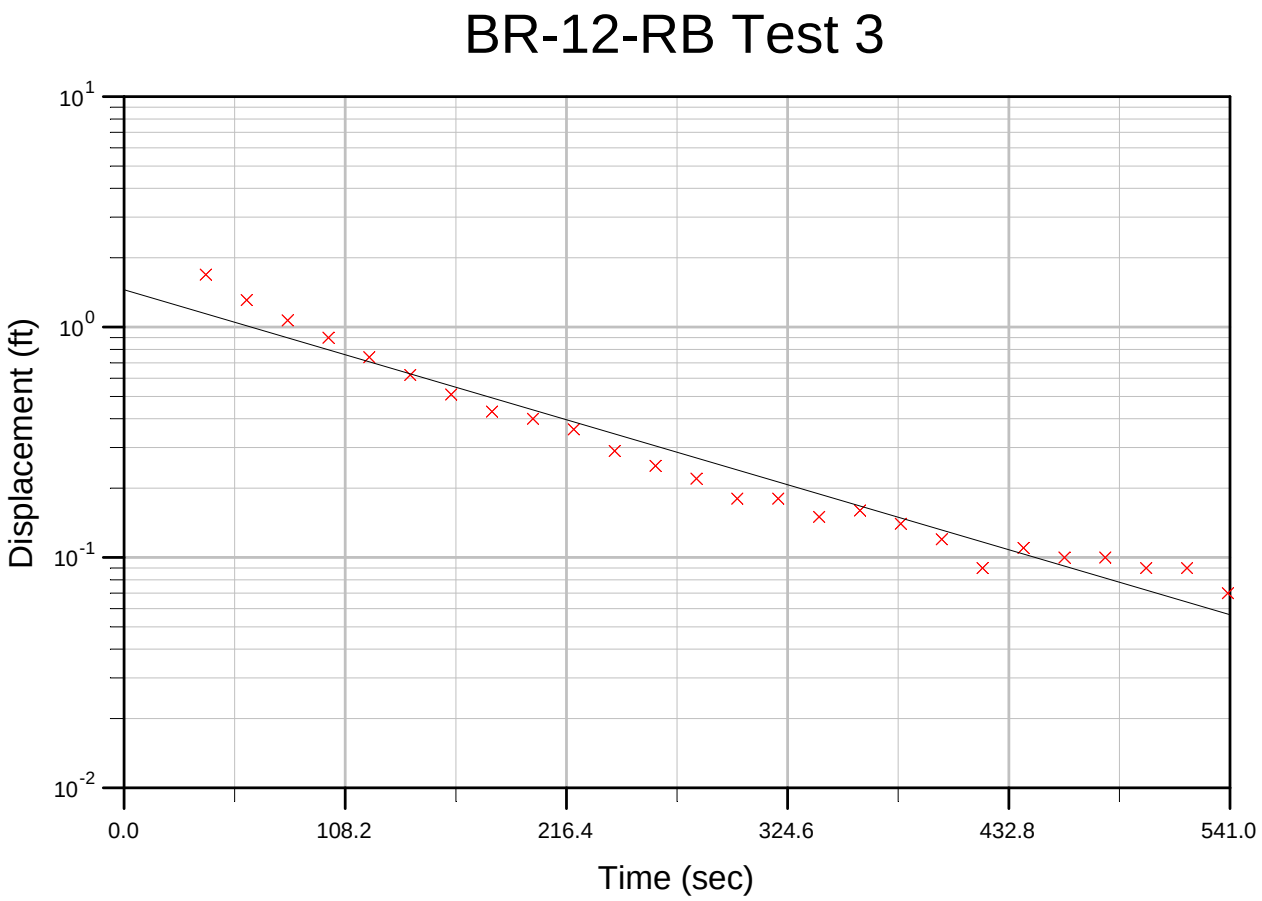
Regression Line
Slope: -0.006002 ft/sec
Intercept: 1.451889 ft

Residual Mean = 0.027637
Residual Standard Dev. = 0.129414
Residual Sum of Squares = 0.455308
Absolute Residual Mean = 0.068026
Minimum Residual = -0.062921
Maximum Residual = 0.547972

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	4.000000e+001	1.690000e+000	1.142028e+000	5.479724e-001
1	6.000000e+001	1.310000e+000	1.012857e+000	2.971429e-001
2	8.000000e+001	1.070000e+000	8.982966e-001	1.717034e-001
3	1.000000e+002	9.000000e-001	7.966936e-001	1.033064e-001
4	1.200000e+002	7.400000e-001	7.065825e-001	3.341745e-002
5	1.400000e+002	6.200000e-001	6.266636e-001	-6.663616e-003
6	1.600000e+002	5.100000e-001	5.557840e-001	-4.578402e-002
7	1.800000e+002	4.300000e-001	4.929213e-001	-6.292135e-002
8	2.000000e+002	4.000000e-001	4.371688e-001	-3.716884e-002
9	2.200000e+002	3.600000e-001	3.877223e-001	-2.772229e-002
10	2.400000e+002	2.900000e-001	3.438685e-001	-5.386846e-002
11	2.600000e+002	2.500000e-001	3.049748e-001	-5.497478e-002
12	2.800000e+002	2.200000e-001	2.704802e-001	-5.048021e-002
13	3.000000e+002	1.800000e-001	2.398872e-001	-5.988720e-002
14	3.200000e+002	1.800000e-001	2.127544e-001	-3.275444e-002
15	3.400000e+002	1.500000e-001	1.886906e-001	-3.869058e-002
16	3.600000e+002	1.600000e-001	1.673485e-001	-7.348486e-003

17	3.800000e+002	1.400000e-001	1.484203e-001	-8.420319e-003
18	4.000000e+002	1.200000e-001	1.316330e-001	-1.163305e-002
19	4.200000e+002	9.000000e-002	1.167445e-001	-2.674452e-002
20	4.400000e+002	1.100000e-001	1.035400e-001	6.460019e-003
21	4.600000e+002	1.000000e-001	9.182896e-002	8.171042e-003
22	4.800000e+002	1.000000e-001	8.144252e-002	1.855748e-002
23	5.000000e+002	9.000000e-002	7.223086e-002	1.776914e-002
24	5.200000e+002	9.000000e-002	6.406110e-002	2.593890e-002
25	5.400000e+002	7.000000e-002	5.681538e-002	1.318462e-002



BR-12-RB Test 3, Optimized Match

BR-12-RB Test 4, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 18 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 40 ft

Depth to Screen Top
Fixed Value = 138.2 ft

Initial Displacement
Fixed Value = 1.95884 ft

Hydraulic Conductivity
Calculated Value = 4.44019e-006 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 8.03842

B
Calculated Value = 2.11322

C
Calculated Value = 10.496

Linear Regression Slope
Fixed Value = -0.0095457 ft/sec

Linear Regression Intercept
Fixed Value = 1.95884 ft

ANALYSIS STATISTICS

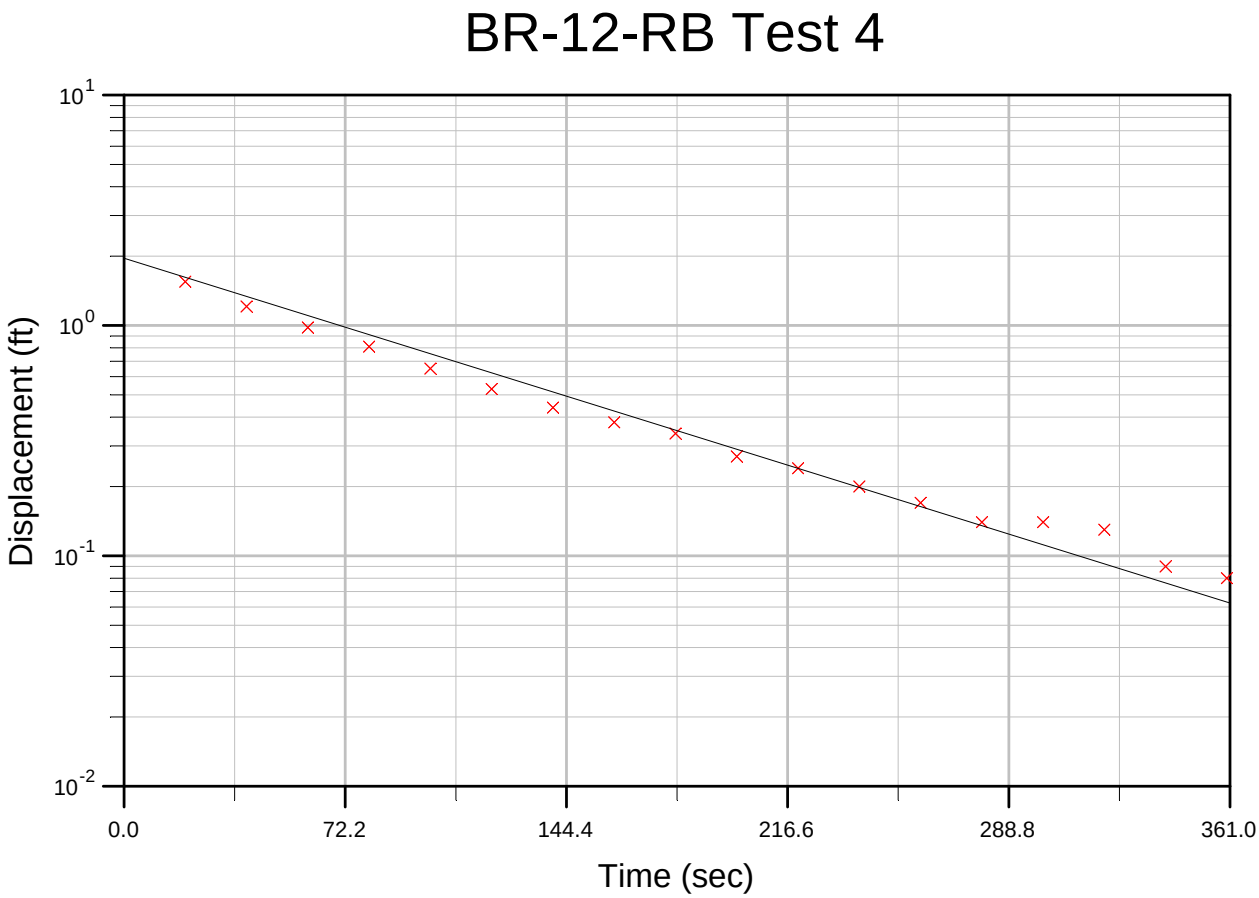
Regression Line
Slope: -0.009546 ft/sec
Intercept: 1.958845 ft

Residual Mean = -0.036801
Residual Standard Dev. = 0.054272
Residual Sum of Squares = 0.077397
Absolute Residual Mean = 0.048971
Minimum Residual = -0.127132
Maximum Residual = 0.037659

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+001	1.550000e+000	1.618405e+000	-6.840456e-002
1	4.000000e+001	1.210000e+000	1.337132e+000	-1.271317e-001
2	6.000000e+001	9.800000e-001	1.104743e+000	-1.247431e-001
3	8.000000e+001	8.100000e-001	9.127427e-001	-1.027427e-001
4	1.000000e+002	6.500000e-001	7.541113e-001	-1.041113e-001
5	1.200000e+002	5.300000e-001	6.230495e-001	-9.304952e-002
6	1.400000e+002	4.400000e-001	5.147658e-001	-7.476577e-002
7	1.600000e+002	3.800000e-001	4.253013e-001	-4.530134e-002
8	1.800000e+002	3.400000e-001	3.513855e-001	-1.138551e-002
9	2.000000e+002	2.700000e-001	2.903160e-001	-2.031598e-002
10	2.200000e+002	2.400000e-001	2.398601e-001	1.398848e-004
11	2.400000e+002	2.000000e-001	1.981733e-001	1.826704e-003
12	2.600000e+002	1.700000e-001	1.637315e-001	6.268505e-003
13	2.800000e+002	1.400000e-001	1.352756e-001	4.724446e-003
14	3.000000e+002	1.400000e-001	1.117652e-001	2.823485e-002
15	3.200000e+002	1.300000e-001	9.234077e-002	3.765923e-002
16	3.400000e+002	9.000000e-002	7.629228e-002	1.370772e-002

17	3.600000e+002	8.000000e-002	6.303296e-002	1.696704e-002



BR-12-RB Test 4, Manual Match

NB-73 Test 1 Maanual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 8 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.08333 ft

Screen Inner Diameter
Fixed Value = 0.08333 ft

Diameter of Drilled Hole
Fixed Value = 0.25 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 12.5 ft

Initial Displacement
Fixed Value = 4.55968 ft

Hydraulic Conductivity
Calculated Value = 0.000244939 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

```
          Calculated Value             = 0.08333 ft

     Effective Screen Inner Diameter
          Calculated Value             = 0.08333 ft

     A
          Calculated Value             = 6.54793

     B
          Calculated Value             = 1.29686

     C
          Calculated Value             = 7.75827

     Linear Regression Slope
          Fixed Value                  = -0.661849 ft/sec

     Linear Regression Intercept
          Fixed Value                  = 4.55968 ft

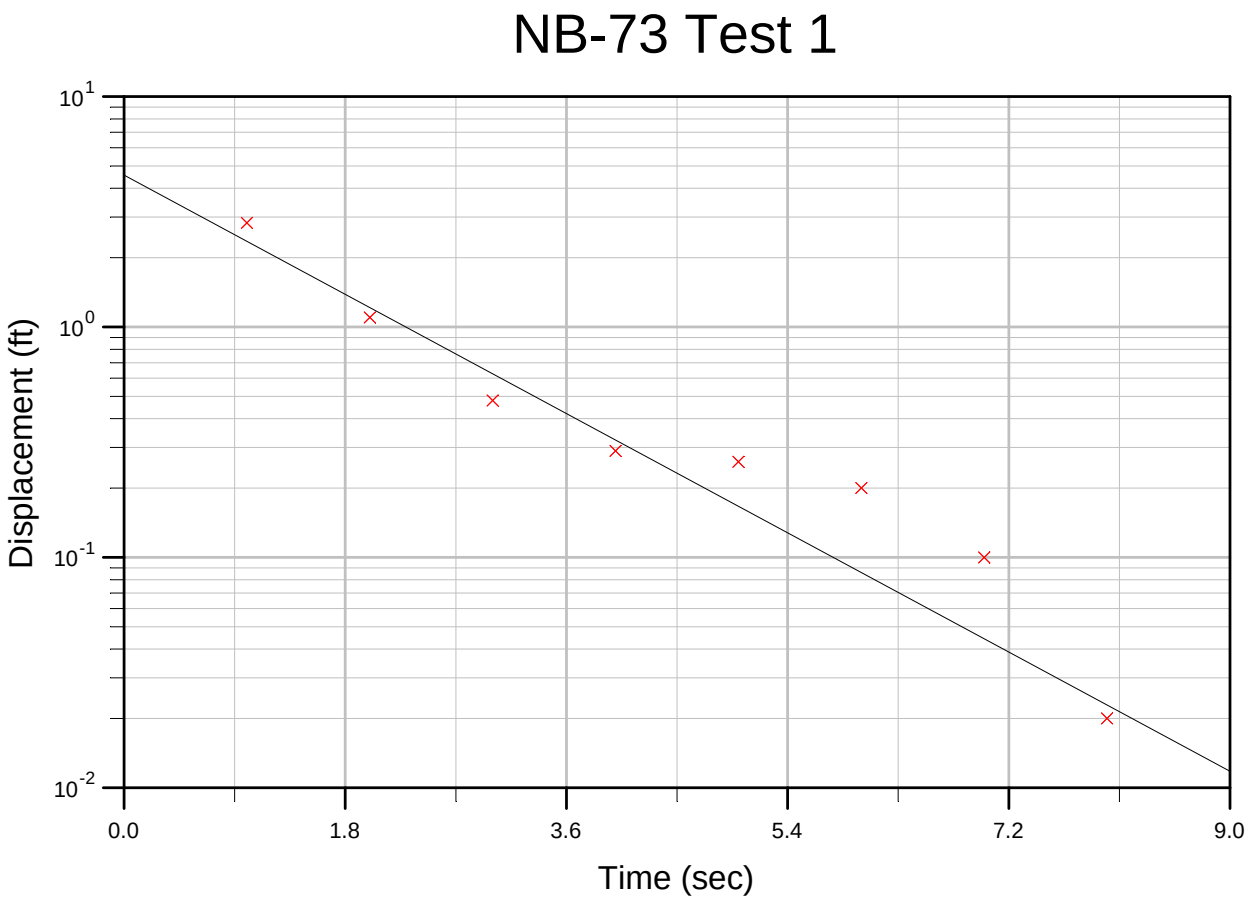

 ANALYSIS STATISTICS

     Regression Line
                 Slope:       -0.661849 ft/sec
                 Intercept:    4.559683 ft

     Residual Mean           =  0.055655
     Residual Standard Dev.  =  0.181501
     Residual Sum of Squares =  0.288321
     Absolute Residual Mean  =  0.129529
     Minimum Residual        = -0.146070
     Maximum Residual        =  0.477674


 DATA DETAIL
```

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	2.830000e+000	2.352326e+000	4.776741e-001
1	2.000000e+000	1.100000e+000	1.213557e+000	-1.135573e-001
2	3.000000e+000	4.800000e-001	6.260703e-001	-1.460703e-001
3	4.000000e+000	2.900000e-001	3.229877e-001	-3.298766e-002
4	5.000000e+000	2.600000e-001	1.666283e-001	9.337171e-002
5	6.000000e+000	2.000000e-001	8.596300e-002	1.140370e-001
6	7.000000e+000	1.000000e-001	4.434803e-002	5.565197e-002
7	8.000000e+000	2.000000e-002	2.287901e-002	-2.879008e-003



NB-73 Test 1, Manual Match

NB-73 Test 2, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 5 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.08333 ft

Screen Inner Diameter
Fixed Value = 0.08333 ft

Diameter of Drilled Hole
Fixed Value = 0.25 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 12.5 ft

Initial Displacement
Fixed Value = 2.88604 ft

Hydraulic Conductivity
Calculated Value = 0.000279547 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.08333 ft

Effective Screen Inner Diameter
Calculated Value = 0.08333 ft

A
Calculated Value = 6.54793

B
Calculated Value = 1.29686

C
Calculated Value = 7.75827

Linear Regression Slope
Fixed Value = -0.755364 ft/sec

Linear Regression Intercept
Fixed Value = 2.88604 ft

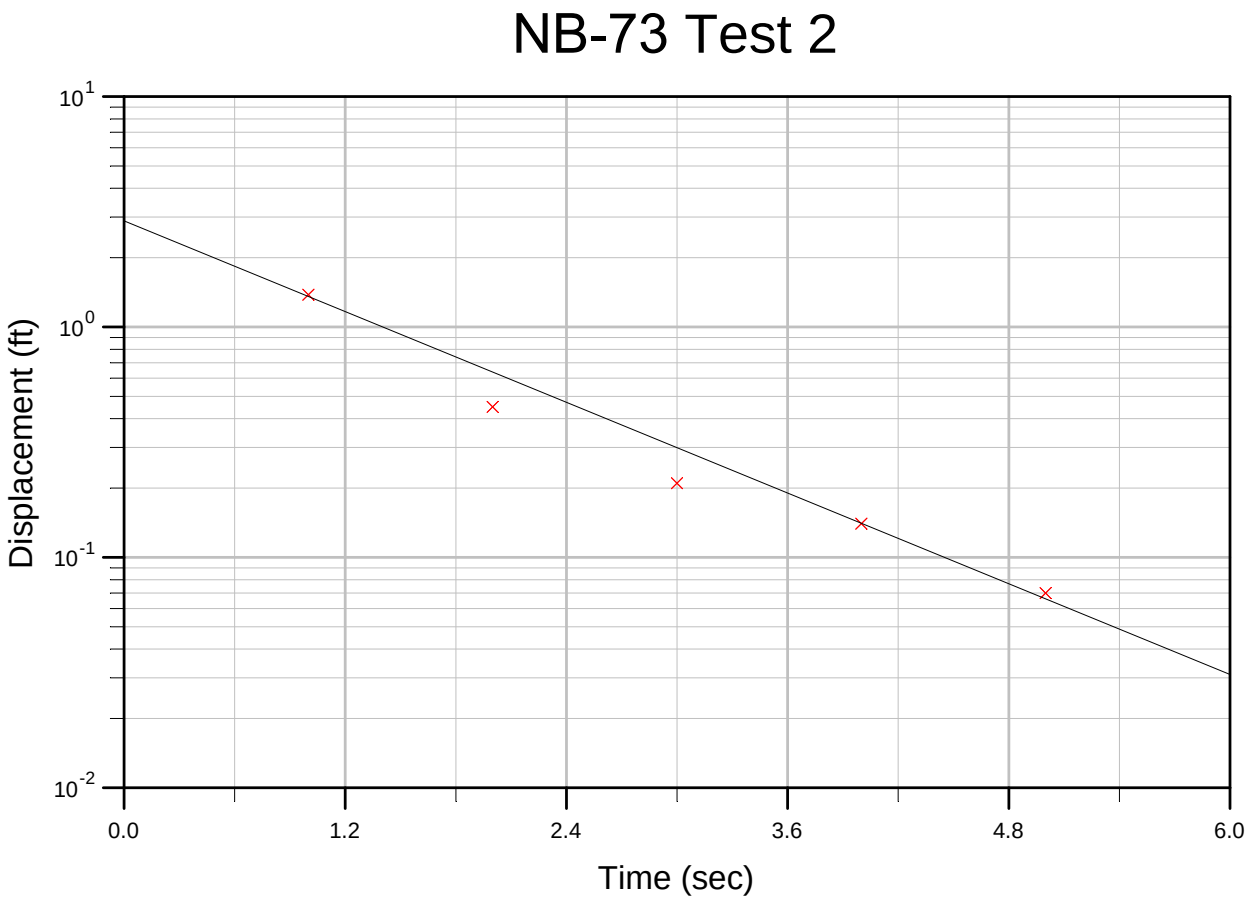
ANALYSIS STATISTICS

Regression Line
Slope: -0.755364 ft/sec
Intercept: 2.886037 ft

Residual Mean = -0.049822
Residual Standard Dev. = 0.078949
Residual Sum of Squares = 0.043576
Absolute Residual Mean = 0.061001
Minimum Residual = -0.187091
Maximum Residual = 0.024025

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	1.380000e+000	1.355975e+000	2.402534e-002
1	2.000000e+000	4.500000e-001	6.370907e-001	-1.870907e-001
2	3.000000e+000	2.100000e-001	2.993305e-001	-8.933048e-002
3	4.000000e+000	1.400000e-001	1.406373e-001	-6.373352e-004
4	5.000000e+000	7.000000e-002	6.607700e-002	3.923000e-003



NB-73 Test 2, Manual Match

NB-84 Test 1, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 31 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.08333 ft

Screen Inner Diameter
Fixed Value = 0.08333 ft

Diameter of Drilled Hole
Fixed Value = 0.25 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 24 ft

Initial Displacement
Fixed Value = 3.31131 ft

Hydraulic Conductivity
Calculated Value = 5.36562e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.08333 ft

Effective Screen Inner Diameter
Calculated Value = 0.08333 ft

A
Calculated Value = 6.54793

B
Calculated Value = 1.29686

C
Calculated Value = 7.75827

Linear Regression Slope
Fixed Value = -0.138329 ft/sec

Linear Regression Intercept
Fixed Value = 3.31131 ft

ANALYSIS STATISTICS

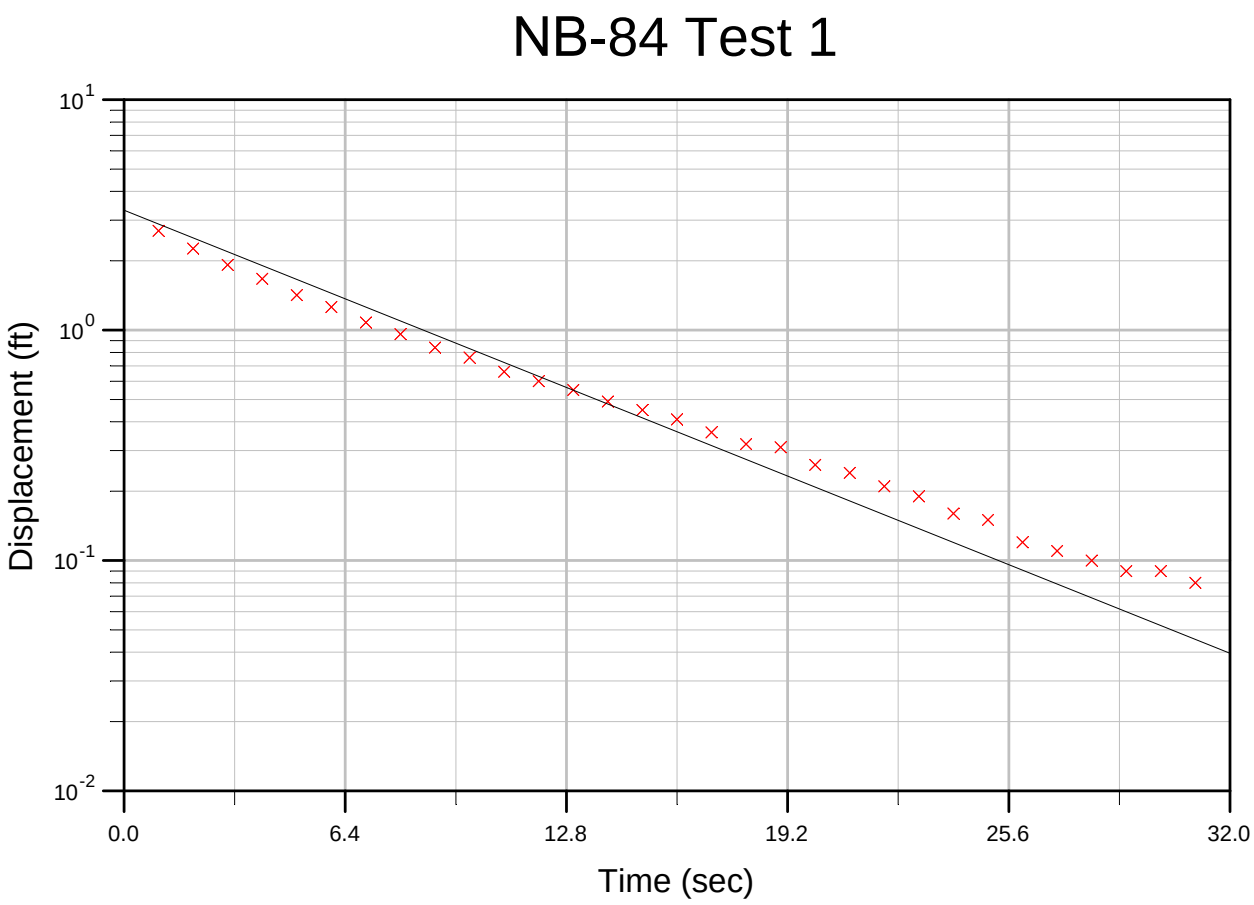
Regression Line
Slope: -0.138329 ft/sec
Intercept: 3.311311 ft

Residual Mean = -0.038515
Residual Standard Dev. = 0.109817
Residual Sum of Squares = 0.419840
Absolute Residual Mean = 0.087048
Minimum Residual = -0.266620
Maximum Residual = 0.070908

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	2.700000e+000	2.883530e+000	-1.835297e-001
1	2.000000e+000	2.260000e+000	2.511012e+000	-2.510125e-001
2	3.000000e+000	1.920000e+000	2.186620e+000	-2.666199e-001
3	4.000000e+000	1.670000e+000	1.904135e+000	-2.341350e-001
4	5.000000e+000	1.420000e+000	1.658144e+000	-2.381437e-001
5	6.000000e+000	1.260000e+000	1.443932e+000	-1.839315e-001
6	7.000000e+000	1.080000e+000	1.257393e+000	-1.773930e-001
7	8.000000e+000	9.600000e-001	1.094953e+000	-1.349530e-001
8	9.000000e+000	8.400000e-001	9.534982e-001	-1.134982e-001
9	1.000000e+001	7.600000e-001	8.303178e-001	-7.031777e-002
10	1.100000e+001	6.600000e-001	7.230507e-001	-6.305072e-002
11	1.200000e+001	6.000000e-001	6.296413e-001	-2.964129e-002
12	1.300000e+001	5.500000e-001	5.482992e-001	1.700775e-003
13	1.400000e+001	4.900000e-001	4.774656e-001	1.253442e-002
14	1.500000e+001	4.500000e-001	4.157828e-001	3.421722e-002
15	1.600000e+001	4.100000e-001	3.620687e-001	4.793134e-002
16	1.700000e+001	3.600000e-001	3.152938e-001	4.470625e-002

17	1.800000e+001	3.200000e-001	2.745616e-001	4.543840e-002
18	1.900000e+001	3.100000e-001	2.390916e-001	7.090845e-002
19	2.000000e+001	2.600000e-001	2.082038e-001	5.179619e-002
20	2.100000e+001	2.400000e-001	1.813064e-001	5.869362e-002
21	2.200000e+001	2.100000e-001	1.578838e-001	5.211621e-002
22	2.300000e+001	1.900000e-001	1.374871e-001	5.251290e-002
23	2.400000e+001	1.600000e-001	1.197254e-001	4.027457e-002
24	2.500000e+001	1.500000e-001	1.042583e-001	4.574165e-002
25	2.600000e+001	1.200000e-001	9.078942e-002	2.921058e-002
26	2.700000e+001	1.100000e-001	7.906053e-002	3.093947e-002
27	2.800000e+001	1.000000e-001	6.884686e-002	3.115314e-002
28	2.900000e+001	9.000000e-002	5.995267e-002	3.004733e-002
29	3.000000e+001	9.000000e-002	5.220751e-002	3.779249e-002
30	3.100000e+001	8.000000e-002	4.546293e-002	3.453707e-002



NB-84 Test 1, Manual Match

NB-84 Test 1 Optimized Curve Fit

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 31 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.08333 ft

Screen Inner Diameter
Fixed Value = 0.08333 ft

Diameter of Drilled Hole
Fixed Value = 0.25 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 24 ft

Initial Displacement
Fixed Value = 2.55637 ft

Hydraulic Conductivity
Calculated Value = 4.45057e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.08333 ft

Effective Screen Inner Diameter
Calculated Value = 0.08333 ft

A
Calculated Value = 6.54793

B
Calculated Value = 1.29686

C
Calculated Value = 7.75827

Linear Regression Slope
Fixed Value = -0.114739 ft/sec

Linear Regression Intercept
Fixed Value = 2.55637 ft

ANALYSIS STATISTICS

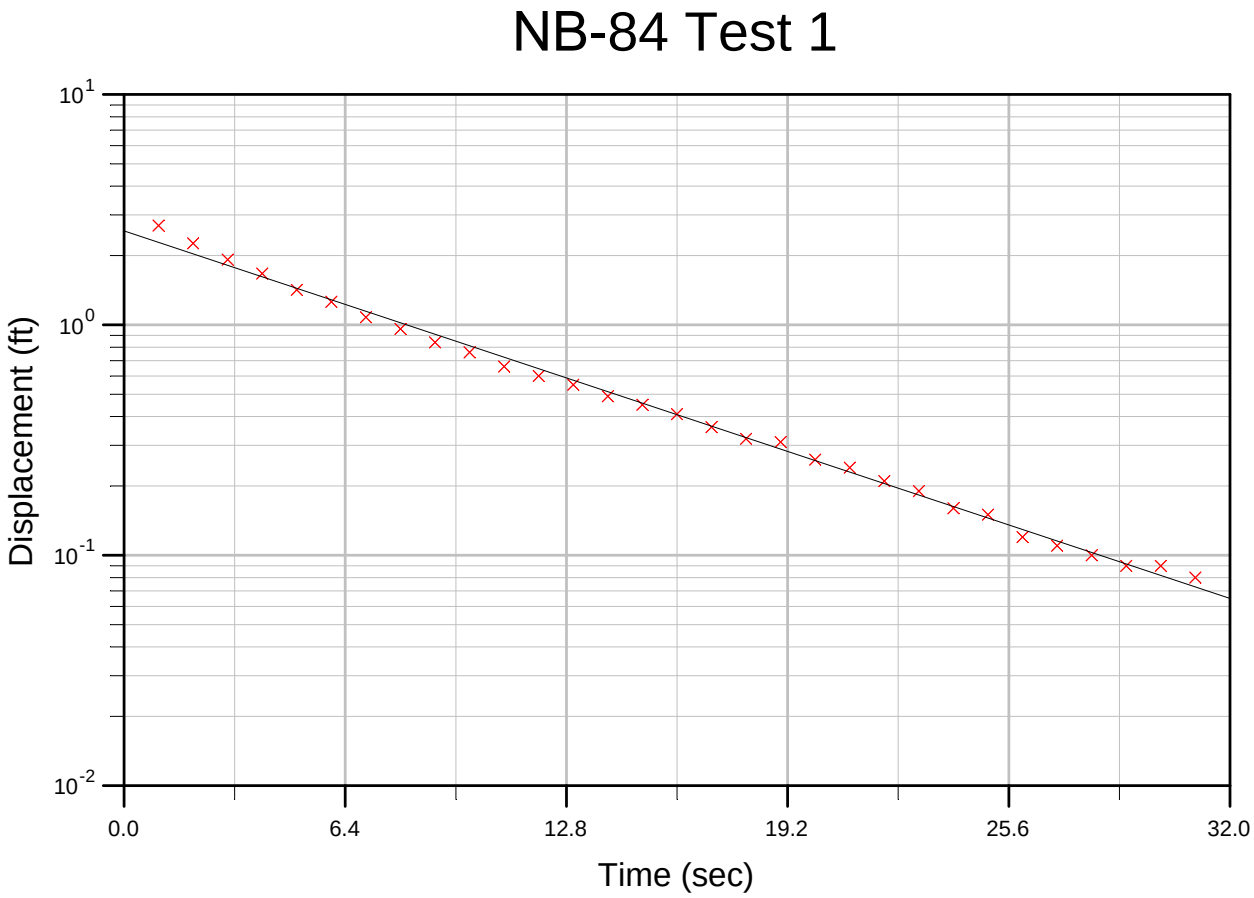
Regression Line
Slope: -0.114739 ft/sec
Intercept: 2.556373 ft

Residual Mean = 0.012696
Residual Standard Dev. = 0.092169
Residual Sum of Squares = 0.268348
Absolute Residual Mean = 0.044068
Minimum Residual = -0.070231
Maximum Residual = 0.420740

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	2.700000e+000	2.279260e+000	4.207396e-001
1	2.000000e+000	2.260000e+000	2.032187e+000	2.278132e-001
2	3.000000e+000	1.920000e+000	1.811896e+000	1.081038e-001
3	4.000000e+000	1.670000e+000	1.615485e+000	5.451468e-002
4	5.000000e+000	1.420000e+000	1.440365e+000	-2.036549e-002
5	6.000000e+000	1.260000e+000	1.284229e+000	-2.422878e-002
6	7.000000e+000	1.080000e+000	1.145017e+000	-6.501741e-002
7	8.000000e+000	9.600000e-001	1.020897e+000	-6.089666e-002
8	9.000000e+000	8.400000e-001	9.102307e-001	-7.023069e-002
9	1.000000e+001	7.600000e-001	8.115610e-001	-5.156099e-002
10	1.100000e+001	6.600000e-001	7.235872e-001	-6.358717e-002
11	1.200000e+001	6.000000e-001	6.451498e-001	-4.514977e-002
12	1.300000e+001	5.500000e-001	5.752151e-001	-2.521505e-002
13	1.400000e+001	4.900000e-001	5.128613e-001	-2.286131e-002
14	1.500000e+001	4.500000e-001	4.572668e-001	-7.266752e-003
15	1.600000e+001	4.100000e-001	4.076987e-001	2.301309e-003
16	1.700000e+001	3.600000e-001	3.635038e-001	-3.503845e-003

17	1.800000e+001	3.200000e-001	3.240998e-001	-4.099753e-003
18	1.900000e+001	3.100000e-001	2.889671e-001	2.103290e-002
19	2.000000e+001	2.600000e-001	2.576428e-001	2.357156e-003
20	2.100000e+001	2.400000e-001	2.297142e-001	1.028584e-002
21	2.200000e+001	2.100000e-001	2.048130e-001	5.187024e-003
22	2.300000e+001	1.900000e-001	1.826111e-001	7.388905e-003
23	2.400000e+001	1.600000e-001	1.628159e-001	-2.815914e-003
24	2.500000e+001	1.500000e-001	1.451665e-001	4.833454e-003
25	2.600000e+001	1.200000e-001	1.294304e-001	-9.430383e-003
26	2.700000e+001	1.100000e-001	1.154000e-001	-5.400031e-003
27	2.800000e+001	1.000000e-001	1.028906e-001	-2.890581e-003
28	2.900000e+001	9.000000e-002	9.173716e-002	-1.737164e-003
29	3.000000e+001	9.000000e-002	8.179279e-002	8.207214e-003
30	3.100000e+001	8.000000e-002	7.292639e-002	7.073614e-003



NB-84 Test 1 Optimized Curve Fit

NB-84 Test 2 ,Maanua Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 32 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.08333 ft

Screen Inner Diameter
Fixed Value = 0.08333 ft

Diameter of Drilled Hole
Fixed Value = 0.25 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 24 ft

Initial Displacement
Fixed Value = 3.49945 ft

Hydraulic Conductivity
Calculated Value = 5.28084e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.08333 ft

Effective Screen Inner Diameter
Calculated Value = 0.08333 ft

A
Calculated Value = 6.54793

B
Calculated Value = 1.29686

C
Calculated Value = 7.75827

Linear Regression Slope
Fixed Value = -0.136143 ft/sec

Linear Regression Intercept
Fixed Value = 3.49945 ft

ANALYSIS STATISTICS

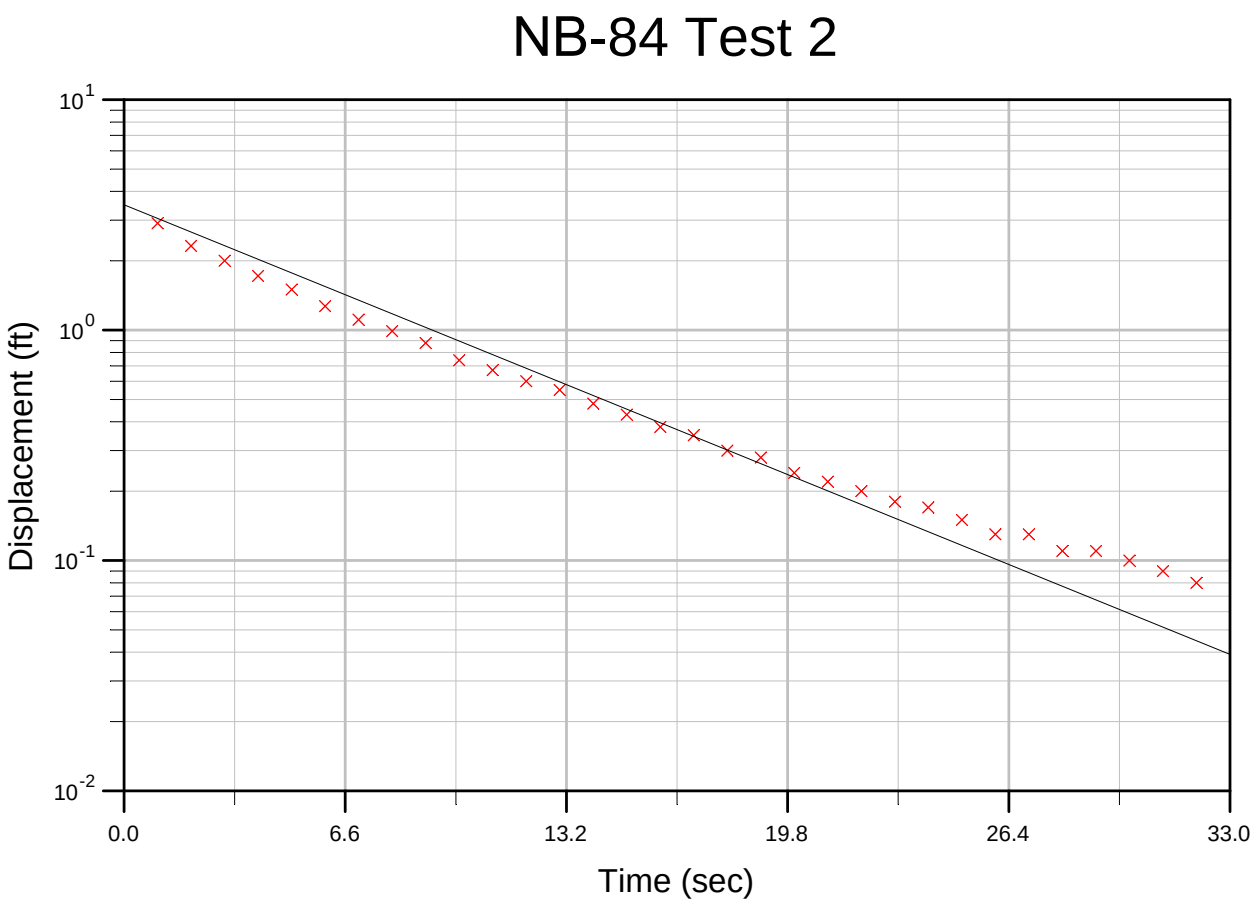
Regression Line
Slope: -0.136143 ft/sec
Intercept: 3.499452 ft

Residual Mean = -0.071765
Residual Standard Dev. = 0.125637
Residual Sum of Squares = 0.669916
Absolute Residual Mean = 0.098796
Minimum Residual = -0.345308
Maximum Residual = 0.042495

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	2.910000e+000	3.054033e+000	-1.440326e-001
1	2.000000e+000	2.320000e+000	2.665308e+000	-3.453076e-001
2	3.000000e+000	2.000000e+000	2.326061e+000	-3.260605e-001
3	4.000000e+000	1.720000e+000	2.029994e+000	-3.099937e-001
4	5.000000e+000	1.500000e+000	1.771611e+000	-2.716110e-001
5	6.000000e+000	1.270000e+000	1.546116e+000	-2.761158e-001
6	7.000000e+000	1.110000e+000	1.349322e+000	-2.393223e-001
7	8.000000e+000	9.900000e-001	1.177577e+000	-1.875772e-001
8	9.000000e+000	8.800000e-001	1.027692e+000	-1.476922e-001
9	1.000000e+001	7.400000e-001	8.968849e-001	-1.568849e-001
10	1.100000e+001	6.700000e-001	7.827271e-001	-1.127271e-001
11	1.200000e+001	6.000000e-001	6.830996e-001	-8.309965e-002
12	1.300000e+001	5.500000e-001	5.961530e-001	-4.615300e-002
13	1.400000e+001	4.800000e-001	5.202731e-001	-4.027314e-002
14	1.500000e+001	4.300000e-001	4.540515e-001	-2.405146e-002
15	1.600000e+001	3.800000e-001	3.962586e-001	-1.625864e-002
16	1.700000e+001	3.500000e-001	3.458218e-001	4.178158e-003

17	1.800000e+001	3.000000e-001	3.018048e-001	-1.804765e-003
18	1.900000e+001	2.800000e-001	2.633903e-001	1.660971e-002
19	2.000000e+001	2.400000e-001	2.298653e-001	1.013469e-002
20	2.100000e+001	2.200000e-001	2.006075e-001	1.939253e-002
21	2.200000e+001	2.000000e-001	1.750736e-001	2.492635e-002
22	2.300000e+001	1.800000e-001	1.527898e-001	2.721017e-002
23	2.400000e+001	1.700000e-001	1.333424e-001	3.665764e-002
24	2.500000e+001	1.500000e-001	1.163702e-001	3.362980e-002
25	2.600000e+001	1.300000e-001	1.015583e-001	2.844169e-002
26	2.700000e+001	1.300000e-001	8.863171e-002	4.136829e-002
27	2.800000e+001	1.100000e-001	7.735044e-002	3.264956e-002
28	2.900000e+001	1.100000e-001	6.750508e-002	4.249492e-002
29	3.000000e+001	1.000000e-001	5.891287e-002	4.108713e-002
30	3.100000e+001	9.000000e-002	5.141429e-002	3.858571e-002
31	3.200000e+001	8.000000e-002	4.487015e-002	3.512985e-002



NB-84 Test 2, Manual Match

NB-84 Test 2 Optimized Curve Fit

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 32 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.08333 ft

Screen Inner Diameter
Fixed Value = 0.08333 ft

Diameter of Drilled Hole
Fixed Value = 0.25 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 24 ft

Initial Displacement
Fixed Value = 2.50186 ft

Hydraulic Conductivity
Calculated Value = 4.34444e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.08333 ft

Effective Screen Inner Diameter
Calculated Value = 0.08333 ft

A
Calculated Value = 6.54793

B
Calculated Value = 1.29686

C
Calculated Value = 7.75827

Linear Regression Slope
Fixed Value = -0.112002 ft/sec

Linear Regression Intercept
Fixed Value = 2.50186 ft

ANALYSIS STATISTICS

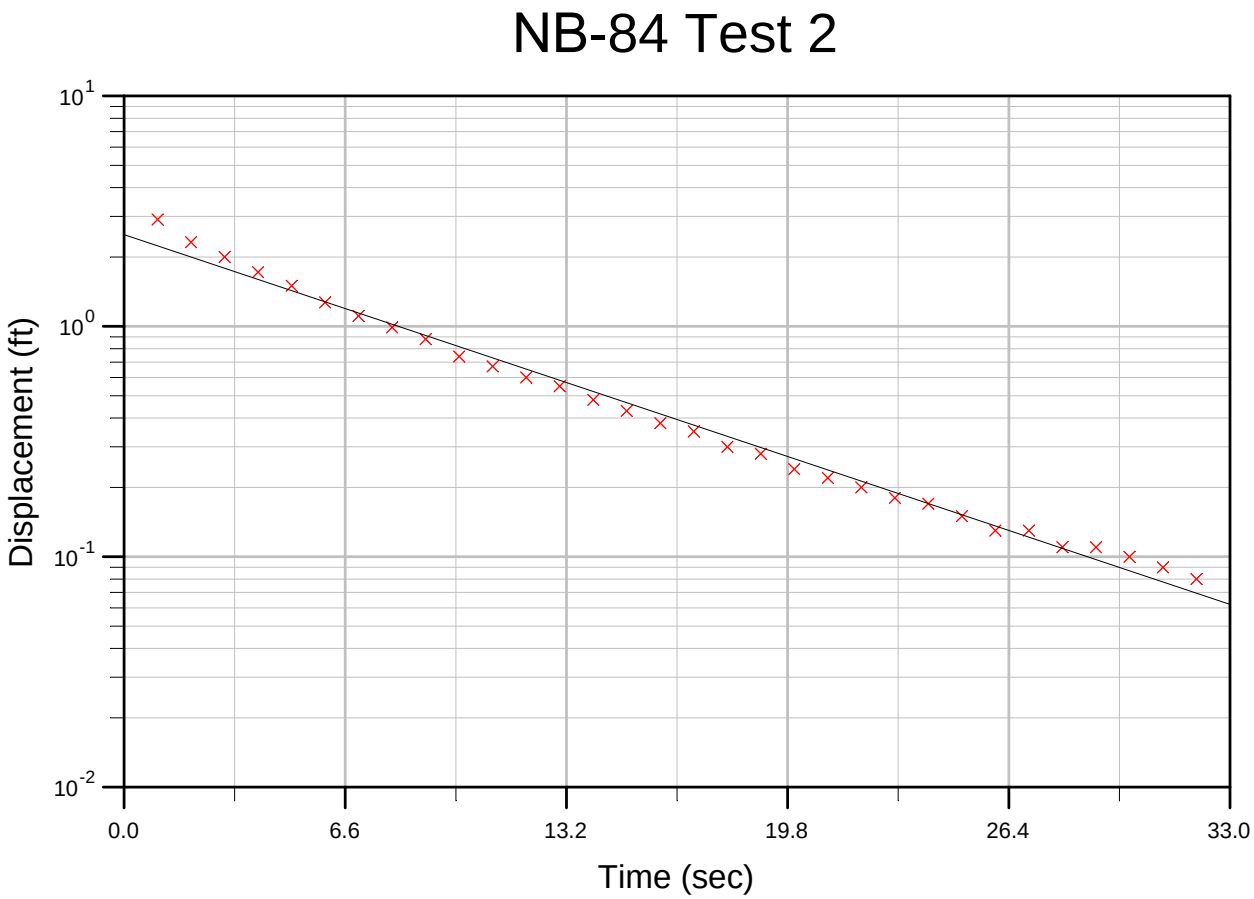
Regression Line
Slope: -0.112002 ft/sec
Intercept: 2.501861 ft

Residual Mean = 0.027065
Residual Standard Dev. = 0.139410
Residual Sum of Squares = 0.645362
Absolute Residual Mean = 0.063968
Minimum Residual = -0.076287
Maximum Residual = 0.673231

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	2.910000e+000	2.236769e+000	6.732307e-001
1	2.000000e+000	2.320000e+000	1.999766e+000	3.202342e-001
2	3.000000e+000	2.000000e+000	1.787875e+000	2.121253e-001
3	4.000000e+000	1.720000e+000	1.598435e+000	1.215648e-001
4	5.000000e+000	1.500000e+000	1.429068e+000	7.093176e-002
5	6.000000e+000	1.270000e+000	1.277647e+000	-7.647086e-003
6	7.000000e+000	1.110000e+000	1.142270e+000	-3.227021e-002
7	8.000000e+000	9.900000e-001	1.021238e+000	-3.123759e-002
8	9.000000e+000	8.800000e-001	9.130293e-001	-3.302934e-002
9	1.000000e+001	7.400000e-001	8.162866e-001	-7.628662e-002
10	1.100000e+001	6.700000e-001	7.297946e-001	-5.979455e-002
11	1.200000e+001	6.000000e-001	6.524670e-001	-5.246701e-002
12	1.300000e+001	5.500000e-001	5.833329e-001	-3.333294e-002
13	1.400000e+001	4.800000e-001	5.215242e-001	-4.152417e-002
14	1.500000e+001	4.300000e-001	4.662645e-001	-3.626454e-002
15	1.600000e+001	3.800000e-001	4.168601e-001	-3.686010e-002
16	1.700000e+001	3.500000e-001	3.726905e-001	-2.269045e-002

17	1.800000e+001	3.000000e-001	3.332009e-001	-3.320093e-002
18	1.900000e+001	2.800000e-001	2.978956e-001	-1.789564e-002
19	2.000000e+001	2.400000e-001	2.663312e-001	-2.633123e-002
20	2.100000e+001	2.200000e-001	2.381113e-001	-1.811132e-002
21	2.200000e+001	2.000000e-001	2.128815e-001	-1.288153e-002
22	2.300000e+001	1.800000e-001	1.903250e-001	-1.032503e-002
23	2.400000e+001	1.700000e-001	1.701586e-001	-1.585828e-004
24	2.500000e+001	1.500000e-001	1.521289e-001	-2.128927e-003
25	2.600000e+001	1.300000e-001	1.360097e-001	-6.009656e-003
26	2.700000e+001	1.300000e-001	1.215984e-001	8.401649e-003
27	2.800000e+001	1.100000e-001	1.087140e-001	1.285962e-003
28	2.900000e+001	1.100000e-001	9.719492e-002	1.280508e-002
29	3.000000e+001	1.000000e-001	8.689635e-002	1.310365e-002
30	3.100000e+001	9.000000e-002	7.768899e-002	1.231101e-002
31	3.200000e+001	8.000000e-002	6.945722e-002	1.054278e-002



NB-84 Test 2 Optimized Curve Fit

PW-19-JC Test 1, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 10 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 20 ft

Depth to Screen Top
Fixed Value = 102 ft

Initial Displacement
Fixed Value = 1.93197 ft

Hydraulic Conductivity
Calculated Value = 1.8357e-005 ft/sec

Aquifer Thickness
Fixed Value = 300 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 6.54781

B
Calculated Value = 1.29682

C
Calculated Value = 7.75805

Linear Regression Slope
Fixed Value = -0.0222698 ft/sec

Linear Regression Intercept
Fixed Value = 1.93197 ft

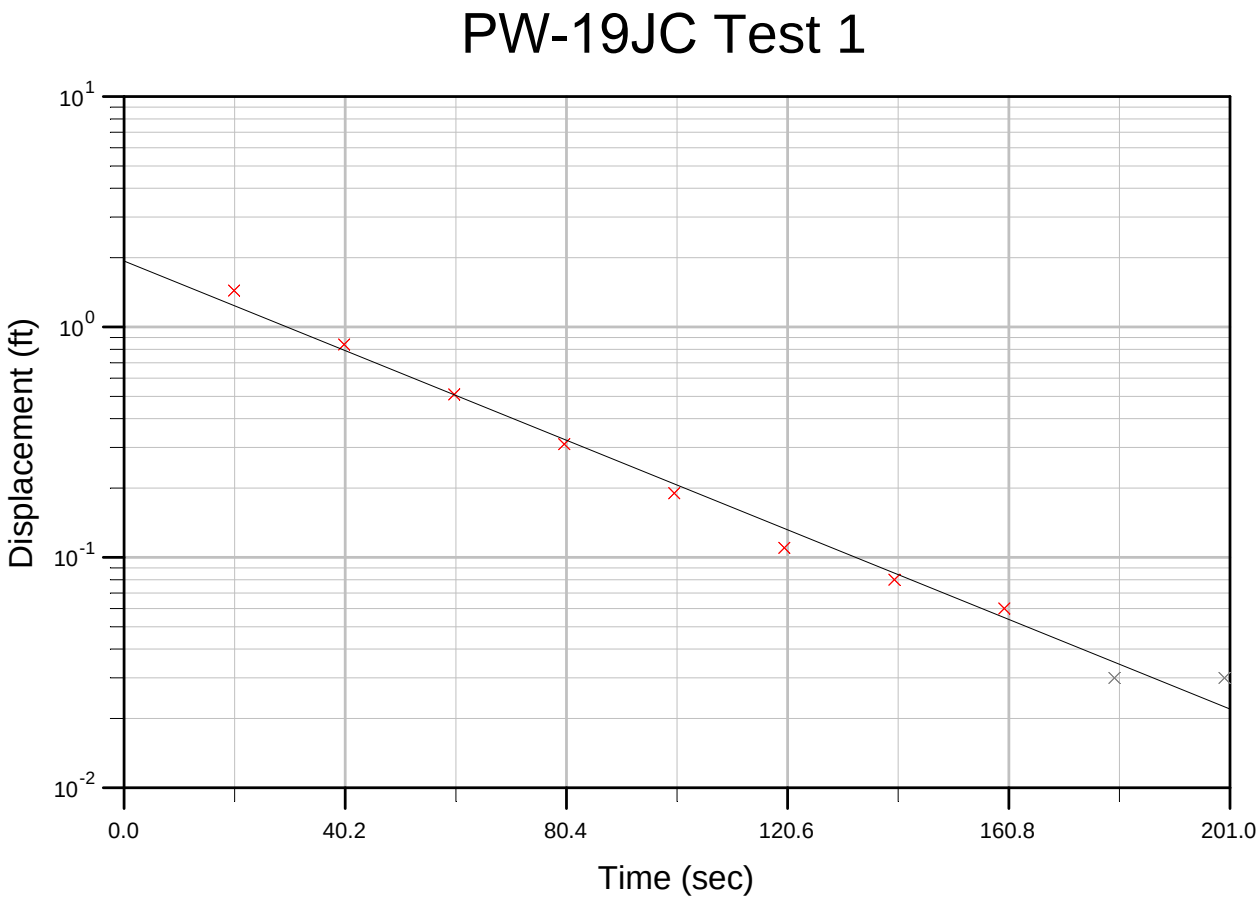
ANALYSIS STATISTICS

Regression Line
Slope: -0.022270 ft/sec
Intercept: 1.931968 ft

Residual Mean = 0.024309
Residual Standard Dev. = 0.070419
Residual Sum of Squares = 0.044399
Absolute Residual Mean = 0.039968
Minimum Residual = -0.023476
Maximum Residual = 0.202437

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+001	1.440000e+000	1.237563e+000	2.024374e-001
1	4.000000e+001	8.400000e-001	7.927465e-001	4.725351e-002
2	6.000000e+001	5.100000e-001	5.078103e-001	2.189715e-003
3	8.000000e+001	3.100000e-001	3.252885e-001	-1.528846e-002
4	1.000000e+002	1.900000e-001	2.083703e-001	-1.837030e-002
5	1.200000e+002	1.100000e-001	1.334759e-001	-2.347594e-002
6	1.400000e+002	8.000000e-002	8.550079e-002	-5.500794e-003
7	1.600000e+002	6.000000e-002	5.476932e-002	5.230684e-003
8	1.800000e+002	3.000000e-002	3.508363e-002	Skipped
9	2.000000e+002	3.000000e-002	2.247355e-002	Skipped



PW-19JC Test 1, Manual Match

PW-19JC Test 2, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 133 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.5 ft

Screen Length
Fixed Value = 20 ft

Depth to Screen Top
Fixed Value = 102 ft

Initial Displacement
Fixed Value = 2.37684 ft

Hydraulic Conductivity
Calculated Value = 2.12845e-005 ft/sec

Aquifer Thickness
Fixed Value = 300 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 6.54781

B
Calculated Value = 1.29682

C
Calculated Value = 7.75805

Linear Regression Slope
Fixed Value = -0.0258212 ft/sec

Linear Regression Intercept
Fixed Value = 2.37684 ft

ANALYSIS STATISTICS

Regression Line
Slope: -0.025821 ft/sec
Intercept: 2.376840 ft

Residual Mean = -0.036726
Residual Standard Dev. = 0.042340
Residual Sum of Squares = 0.417808
Absolute Residual Mean = 0.041689
Minimum Residual = -0.132446
Maximum Residual = 0.142790

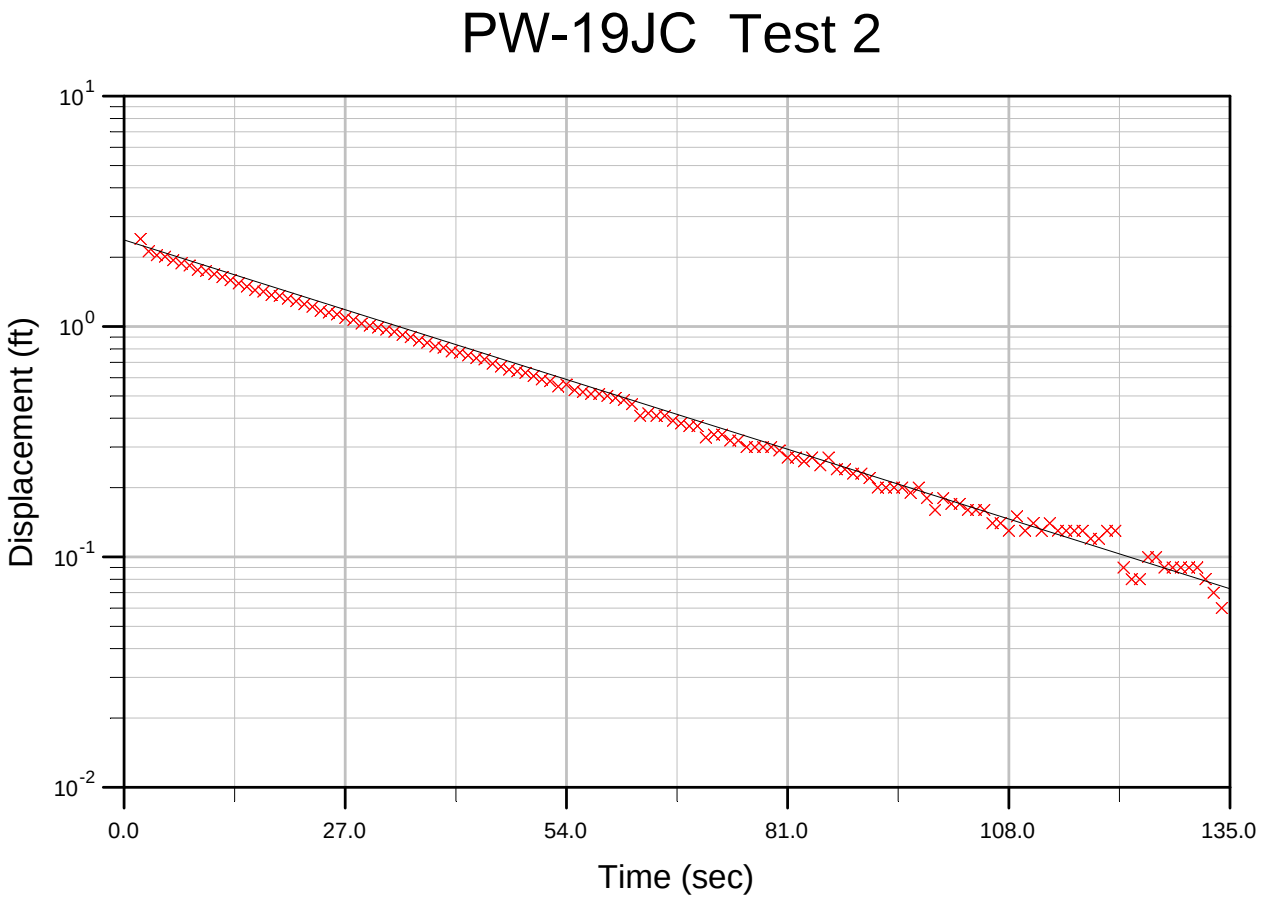
DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	2.400000e+000	2.257210e+000	1.427900e-001
1	3.000000e+000	2.120000e+000	2.199672e+000	-7.967211e-002
2	4.000000e+000	2.040000e+000	2.143601e+000	-1.036009e-001
3	5.000000e+000	2.010000e+000	2.088959e+000	-7.895898e-002
4	6.000000e+000	1.940000e+000	2.035710e+000	-9.570993e-002
5	7.000000e+000	1.880000e+000	1.983818e+000	-1.038182e-001
6	8.000000e+000	1.840000e+000	1.933249e+000	-9.324929e-002
7	9.000000e+000	1.760000e+000	1.883969e+000	-1.239694e-001
8	1.000000e+001	1.740000e+000	1.835946e+000	-9.594567e-002
9	1.100000e+001	1.690000e+000	1.789146e+000	-9.914610e-002
10	1.200000e+001	1.640000e+000	1.743539e+000	-1.035395e-001
11	1.300000e+001	1.590000e+000	1.699095e+000	-1.090954e-001
12	1.400000e+001	1.540000e+000	1.655784e+000	-1.157843e-001
13	1.500000e+001	1.490000e+000	1.613577e+000	-1.235772e-001
14	1.600000e+001	1.440000e+000	1.572446e+000	-1.324459e-001
15	1.700000e+001	1.420000e+000	1.532363e+000	-1.123632e-001
16	1.800000e+001	1.370000e+000	1.493302e+000	-1.233021e-001

17	1.900000e+001	1.360000e+000	1.455237e+000	-9.523679e-002
18	2.000000e+001	1.320000e+000	1.418142e+000	-9.814177e-002
19	2.100000e+001	1.290000e+000	1.381992e+000	-9.199233e-002
20	2.200000e+001	1.250000e+000	1.346764e+000	-9.676436e-002
21	2.300000e+001	1.220000e+000	1.312434e+000	-9.243438e-002
22	2.400000e+001	1.170000e+000	1.278979e+000	-1.089795e-001
23	2.500000e+001	1.150000e+000	1.246377e+000	-9.637739e-002
24	2.600000e+001	1.130000e+000	1.214606e+000	-8.460634e-002
25	2.700000e+001	1.090000e+000	1.183645e+000	-9.364516e-002
26	2.800000e+001	1.070000e+000	1.153473e+000	-8.347320e-002
27	2.900000e+001	1.030000e+000	1.124070e+000	-9.407035e-002
28	3.000000e+001	1.010000e+000	1.095417e+000	-8.541699e-002
29	3.100000e+001	9.900000e-001	1.067494e+000	-7.749403e-002
30	3.200000e+001	9.700000e-001	1.040283e+000	-7.028285e-002
31	3.300000e+001	9.500000e-001	1.013765e+000	-6.376530e-002
32	3.400000e+001	9.200000e-001	9.879237e-001	-6.792370e-002
33	3.500000e+001	9.000000e-001	9.627408e-001	-6.274082e-002
34	3.600000e+001	8.700000e-001	9.381999e-001	-6.819987e-002
35	3.700000e+001	8.500000e-001	9.142845e-001	-6.428449e-002
36	3.800000e+001	8.200000e-001	8.909787e-001	-7.097873e-002
37	3.900000e+001	8.100000e-001	8.682670e-001	-5.826704e-002
38	4.000000e+001	7.800000e-001	8.461343e-001	-6.613430e-002
39	4.100000e+001	7.700000e-001	8.245657e-001	-5.456573e-002
40	4.200000e+001	7.500000e-001	8.035470e-001	-5.354696e-002
41	4.300000e+001	7.300000e-001	7.830640e-001	-5.306398e-002
42	4.400000e+001	7.200000e-001	7.631031e-001	-4.310312e-002
43	4.500000e+001	6.900000e-001	7.436511e-001	-5.365108e-002
44	4.600000e+001	6.700000e-001	7.246949e-001	-5.469488e-002
45	4.700000e+001	6.500000e-001	7.062219e-001	-5.622189e-002
46	4.800000e+001	6.400000e-001	6.882198e-001	-4.821979e-002
47	4.900000e+001	6.300000e-001	6.706766e-001	-4.067658e-002
48	5.000000e+001	6.100000e-001	6.535806e-001	-4.358056e-002
49	5.100000e+001	5.900000e-001	6.369203e-001	-4.692032e-002
50	5.200000e+001	5.800000e-001	6.206848e-001	-4.068477e-002
51	5.300000e+001	5.500000e-001	6.048631e-001	-5.486307e-002
52	5.400000e+001	5.600000e-001	5.894447e-001	-2.944468e-002
53	5.500000e+001	5.300000e-001	5.744193e-001	-4.441932e-002
54	5.600000e+001	5.200000e-001	5.597770e-001	-3.977696e-002
55	5.700000e+001	5.100000e-001	5.455078e-001	-3.550785e-002
56	5.800000e+001	5.100000e-001	5.316025e-001	-2.160246e-002
57	5.900000e+001	5.000000e-001	5.180515e-001	-1.805154e-002
58	6.000000e+001	4.900000e-001	5.048460e-001	-1.484603e-002
59	6.100000e+001	4.800000e-001	4.919771e-001	-1.197715e-002
60	6.200000e+001	4.600000e-001	4.794363e-001	-1.943630e-002
61	6.300000e+001	4.100000e-001	4.672151e-001	-5.721513e-002
62	6.400000e+001	4.200000e-001	4.553055e-001	-3.530548e-002
63	6.500000e+001	4.100000e-001	4.436994e-001	-3.369942e-002
64	6.600000e+001	4.100000e-001	4.323892e-001	-2.238921e-002
65	6.700000e+001	3.900000e-001	4.213673e-001	-3.136730e-002
66	6.800000e+001	3.800000e-001	4.106263e-001	-3.062634e-002
67	6.900000e+001	3.700000e-001	4.001592e-001	-3.015919e-002
68	7.000000e+001	3.700000e-001	3.899588e-001	-1.995884e-002
69	7.100000e+001	3.300000e-001	3.800185e-001	-5.001851e-002
70	7.200000e+001	3.400000e-001	3.703316e-001	-3.033157e-002
71	7.300000e+001	3.400000e-001	3.608916e-001	-2.089156e-002
72	7.400000e+001	3.200000e-001	3.516922e-001	-3.169217e-002
73	7.500000e+001	3.200000e-001	3.427273e-001	-2.272729e-002

74	7.600000e+001	3.000000e-001	3.339909e-001	-3.399093e-002
75	7.700000e+001	3.000000e-001	3.254773e-001	-2.547726e-002
76	7.800000e+001	3.000000e-001	3.171806e-001	-1.718061e-002
77	7.900000e+001	3.000000e-001	3.090955e-001	-9.095453e-003
78	8.000000e+001	2.900000e-001	3.012164e-001	-1.121639e-002
79	8.100000e+001	2.700000e-001	2.935382e-001	-2.353817e-002
80	8.200000e+001	2.700000e-001	2.860557e-001	-1.605567e-002
81	8.300000e+001	2.600000e-001	2.787639e-001	-1.876391e-002
82	8.400000e+001	2.700000e-001	2.716580e-001	-1.658018e-003
83	8.500000e+001	2.500000e-001	2.647333e-001	-1.473326e-002
84	8.600000e+001	2.700000e-001	2.579850e-001	1.201498e-002
85	8.700000e+001	2.400000e-001	2.514088e-001	-1.140880e-002
86	8.800000e+001	2.400000e-001	2.450002e-001	-5.000211e-003
87	8.900000e+001	2.300000e-001	2.387550e-001	-8.754981e-003
88	9.000000e+001	2.300000e-001	2.326689e-001	-2.668946e-003
89	9.100000e+001	2.200000e-001	2.267380e-001	-6.738049e-003
90	9.200000e+001	2.000000e-001	2.209583e-001	-2.095833e-002
91	9.300000e+001	2.000000e-001	2.153259e-001	-1.532595e-002
92	9.400000e+001	2.000000e-001	2.098371e-001	-9.837137e-003
93	9.500000e+001	2.000000e-001	2.044882e-001	-4.488239e-003
94	9.600000e+001	1.900000e-001	1.992757e-001	-9.275688e-003
95	9.700000e+001	2.000000e-001	1.941960e-001	5.803991e-003
96	9.800000e+001	1.800000e-001	1.892458e-001	-9.245814e-003
97	9.900000e+001	1.600000e-001	1.844218e-001	-2.442180e-002
98	1.000000e+002	1.800000e-001	1.797208e-001	2.792394e-004
99	1.010000e+002	1.700000e-001	1.751396e-001	-5.139550e-003
100	1.020000e+002	1.700000e-001	1.706751e-001	-6.751184e-004
101	1.030000e+002	1.600000e-001	1.663245e-001	-6.324488e-003
102	1.040000e+002	1.600000e-001	1.620848e-001	-2.084758e-003
103	1.050000e+002	1.600000e-001	1.579531e-001	2.046898e-003
104	1.060000e+002	1.400000e-001	1.539268e-001	-1.392677e-002
105	1.070000e+002	1.400000e-001	1.500031e-001	-1.000306e-002
106	1.080000e+002	1.300000e-001	1.461794e-001	-1.617938e-002
107	1.090000e+002	1.500000e-001	1.424532e-001	7.546839e-003
108	1.100000e+002	1.300000e-001	1.388219e-001	-8.821928e-003
109	1.110000e+002	1.400000e-001	1.352833e-001	4.716742e-003
110	1.120000e+002	1.300000e-001	1.318348e-001	-1.834792e-003
111	1.130000e+002	1.400000e-001	1.284742e-001	1.152577e-002
112	1.140000e+002	1.300000e-001	1.251993e-001	4.800671e-003
113	1.150000e+002	1.300000e-001	1.220079e-001	7.992091e-003
114	1.160000e+002	1.300000e-001	1.188978e-001	1.110216e-002
115	1.170000e+002	1.300000e-001	1.158671e-001	1.413295e-002
116	1.180000e+002	1.200000e-001	1.129135e-001	7.086484e-003
117	1.190000e+002	1.200000e-001	1.100353e-001	9.964730e-003
118	1.200000e+002	1.300000e-001	1.072304e-001	2.276961e-002
119	1.210000e+002	1.300000e-001	1.044970e-001	2.550299e-002
120	1.220000e+002	9.000000e-002	1.018333e-001	-1.183331e-002
121	1.230000e+002	8.000000e-002	9.923751e-002	-1.923751e-002
122	1.240000e+002	8.000000e-002	9.670787e-002	-1.670787e-002
123	1.250000e+002	1.000000e-001	9.424272e-002	5.757281e-003
124	1.260000e+002	1.000000e-001	9.184041e-002	8.159595e-003
125	1.270000e+002	9.000000e-002	8.949933e-002	5.006719e-004
126	1.280000e+002	9.000000e-002	8.721793e-002	2.782074e-003
127	1.290000e+002	9.000000e-002	8.499468e-002	5.005321e-003
128	1.300000e+002	9.000000e-002	8.282810e-002	7.171896e-003
129	1.310000e+002	9.000000e-002	8.071676e-002	9.283243e-003
130	1.320000e+002	8.000000e-002	7.865923e-002	1.340771e-003

131	1.330000e+002	7.000000e-002	7.665415e-002	-6.654150e-003
132	1.340000e+002	6.000000e-002	7.470018e-002	-1.470018e-002



PW-19JC C Test 2, Manual Match

PZ-3 Test 1, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 33 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.6875 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 51 ft

Initial Displacement
Fixed Value = 1.05546 ft

Hydraulic Conductivity
Calculated Value = 0.000117403 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 4.83299

B
Calculated Value = 0.822699

C
Calculated Value = 4.81789

Linear Regression Slope
Fixed Value = -0.0839154 ft/sec

Linear Regression Intercept
Fixed Value = 1.05546 ft

ANALYSIS STATISTICS

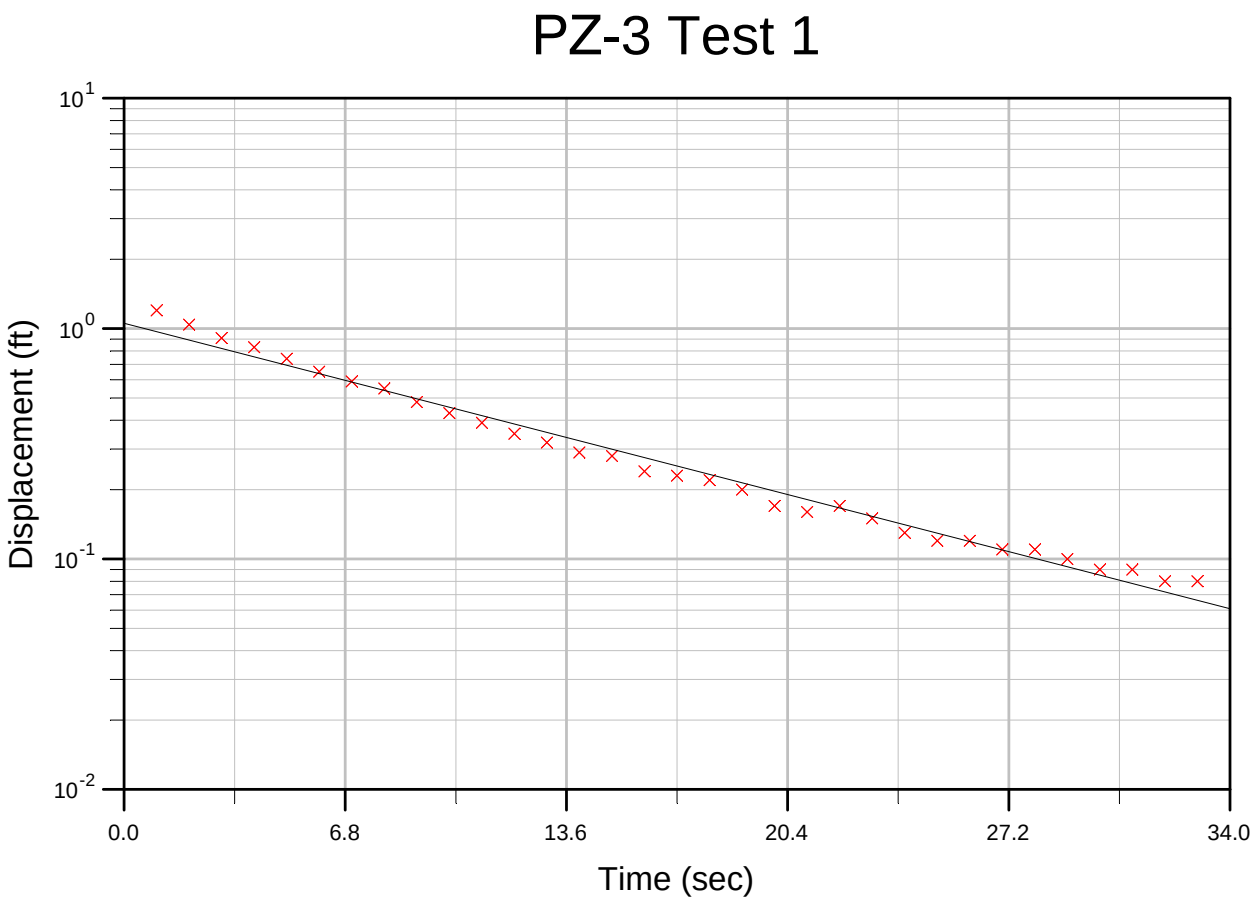
Regression Line
Slope: -0.083915 ft/sec
Intercept: 1.055461 ft

Residual Mean = 0.009661
Residual Standard Dev. = 0.054379
Residual Sum of Squares = 0.100664
Absolute Residual Mean = 0.031204
Minimum Residual = -0.036006
Maximum Residual = 0.229494

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	1.200000e+000	9.705059e-001	2.294941e-001
1	2.000000e+000	1.040000e+000	8.923889e-001	1.476111e-001
2	3.000000e+000	9.100000e-001	8.205596e-001	8.944039e-002
3	4.000000e+000	8.300000e-001	7.545119e-001	7.548805e-002
4	5.000000e+000	7.400000e-001	6.937805e-001	4.621948e-002
5	6.000000e+000	6.500000e-001	6.379374e-001	1.206256e-002
6	7.000000e+000	5.900000e-001	5.865892e-001	3.410786e-003
7	8.000000e+000	5.500000e-001	5.393741e-001	1.062594e-002
8	9.000000e+000	4.800000e-001	4.959593e-001	-1.595930e-002
9	1.000000e+001	4.300000e-001	4.560390e-001	-2.603904e-002
10	1.100000e+001	3.900000e-001	4.193320e-001	-2.933200e-002
11	1.200000e+001	3.500000e-001	3.855796e-001	-3.557955e-002
12	1.300000e+001	3.200000e-001	3.545439e-001	-3.454387e-002
13	1.400000e+001	2.900000e-001	3.260063e-001	-3.600628e-002
14	1.500000e+001	2.800000e-001	2.997657e-001	-1.976571e-002
15	1.600000e+001	2.400000e-001	2.756373e-001	-3.563727e-002
16	1.700000e+001	2.300000e-001	2.534509e-001	-2.345095e-002

17	1.800000e+001	2.200000e-001	2.330504e-001	-1.305043e-002
18	1.900000e+001	2.000000e-001	2.142920e-001	-1.429196e-002
19	2.000000e+001	1.700000e-001	1.970434e-001	-2.704339e-002
20	2.100000e+001	1.600000e-001	1.811832e-001	-2.118317e-002
21	2.200000e+001	1.700000e-001	1.665996e-001	3.400445e-003
22	2.300000e+001	1.500000e-001	1.531898e-001	-3.189791e-003
23	2.400000e+001	1.300000e-001	1.408594e-001	-1.085939e-002
24	2.500000e+001	1.200000e-001	1.295215e-001	-9.521478e-003
25	2.600000e+001	1.200000e-001	1.190962e-001	9.038354e-004
26	2.700000e+001	1.100000e-001	1.095100e-001	4.900048e-004
27	2.800000e+001	1.100000e-001	1.006954e-001	9.304574e-003
28	2.900000e+001	1.000000e-001	9.259035e-002	7.409649e-003
29	3.000000e+001	9.000000e-002	8.513766e-002	4.862339e-003
30	3.100000e+001	9.000000e-002	7.828485e-002	1.171515e-002
31	3.200000e+001	8.000000e-002	7.198362e-002	8.016380e-003
32	3.300000e+001	8.000000e-002	6.618959e-002	1.381041e-002



PZ-3 Test 1, Optimized Match

PZ-3 Test 2, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 69 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.6875 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 51 ft

Initial Displacement
Fixed Value = 3.11476 ft

Hydraulic Conductivity
Calculated Value = 7.78947e-005 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 4.83299

B
Calculated Value = 0.822699

C
Calculated Value = 4.81789

Linear Regression Slope
Fixed Value = -0.0556764 ft/sec

Linear Regression Intercept
Fixed Value = 3.11476 ft

ANALYSIS STATISTICS

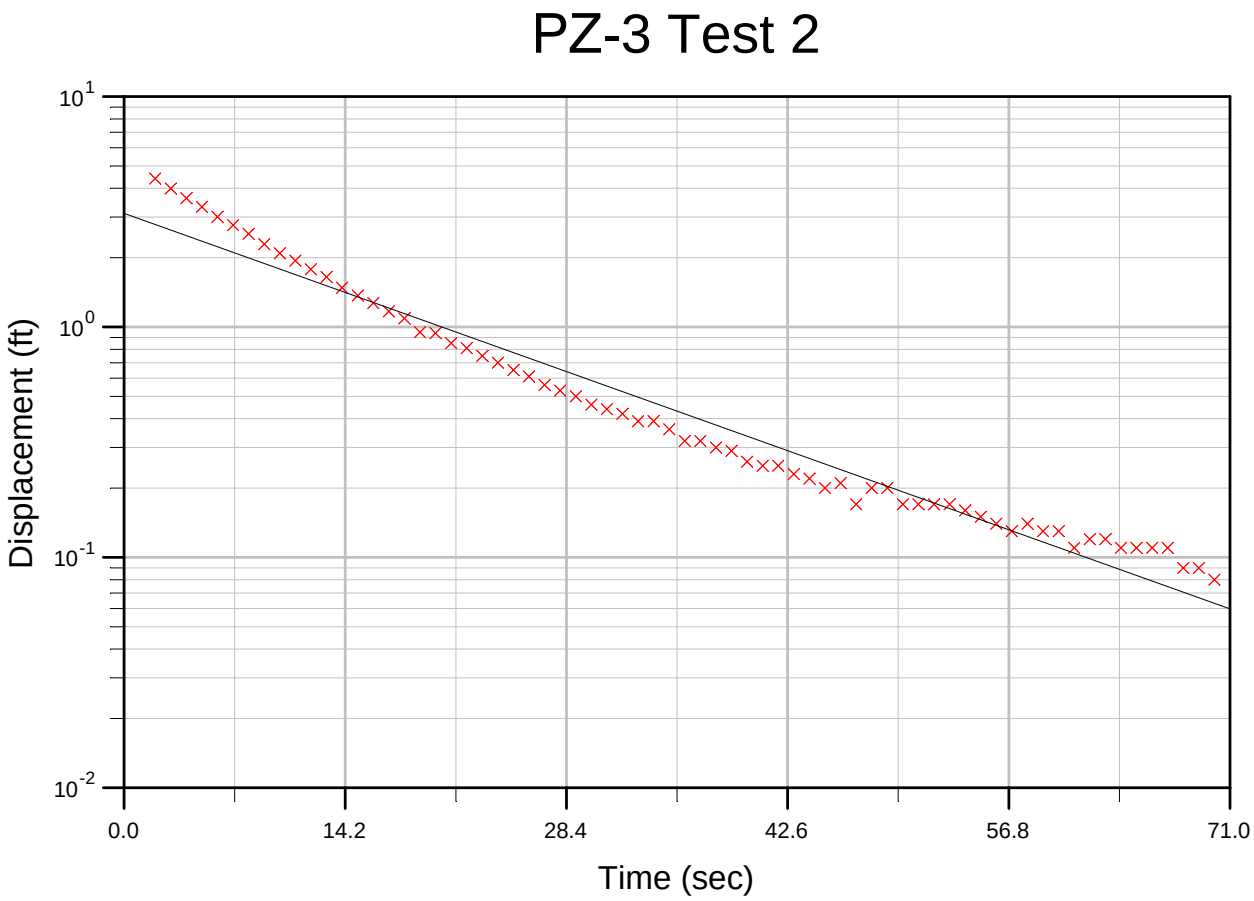
Regression Line
Slope: -0.055676 ft/sec
Intercept: 3.114761 ft

Residual Mean = 0.085205
Residual Standard Dev. = 0.343958
Residual Sum of Squares = 8.664115
Absolute Residual Mean = 0.167012
Minimum Residual = -0.132733
Maximum Residual = 1.623463

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	4.410000e+000	2.786537e+000	1.623463e+000
1	3.000000e+000	3.990000e+000	2.635633e+000	1.354367e+000
2	4.000000e+000	3.620000e+000	2.492901e+000	1.127099e+000
3	5.000000e+000	3.320000e+000	2.357898e+000	9.621022e-001
4	6.000000e+000	3.010000e+000	2.230206e+000	7.797938e-001
5	7.000000e+000	2.770000e+000	2.109430e+000	6.605703e-001
6	8.000000e+000	2.540000e+000	1.995194e+000	5.448062e-001
7	9.000000e+000	2.290000e+000	1.887144e+000	4.028556e-001
8	1.000000e+001	2.090000e+000	1.784946e+000	3.050537e-001
9	1.100000e+001	1.940000e+000	1.688283e+000	2.517172e-001
10	1.200000e+001	1.780000e+000	1.596854e+000	1.831459e-001
11	1.300000e+001	1.650000e+000	1.510377e+000	1.396233e-001
12	1.400000e+001	1.480000e+000	1.428582e+000	5.141754e-002
13	1.500000e+001	1.370000e+000	1.351218e+000	1.878222e-002
14	1.600000e+001	1.270000e+000	1.278043e+000	-8.042767e-003
15	1.700000e+001	1.170000e+000	1.208831e+000	-3.883054e-002
16	1.800000e+001	1.090000e+000	1.143366e+000	-5.336649e-002

17	1.900000e+001	9.500000e-001	1.081448e+000	-1.314476e-001
18	2.000000e+001	9.400000e-001	1.022882e+000	-8.288200e-002
19	2.100000e+001	8.500000e-001	9.674880e-001	-1.174880e-001
20	2.200000e+001	8.100000e-001	9.150938e-001	-1.050938e-001
21	2.300000e+001	7.500000e-001	8.655370e-001	-1.155370e-001
22	2.400000e+001	7.000000e-001	8.186640e-001	-1.186640e-001
23	2.500000e+001	6.500000e-001	7.743293e-001	-1.243293e-001
24	2.600000e+001	6.100000e-001	7.323956e-001	-1.223956e-001
25	2.700000e+001	5.600000e-001	6.927329e-001	-1.327329e-001
26	2.800000e+001	5.300000e-001	6.552180e-001	-1.252180e-001
27	2.900000e+001	5.000000e-001	6.197348e-001	-1.197348e-001
28	3.000000e+001	4.600000e-001	5.861731e-001	-1.261731e-001
29	3.100000e+001	4.400000e-001	5.544290e-001	-1.144290e-001
30	3.200000e+001	4.200000e-001	5.244040e-001	-1.044040e-001
31	3.300000e+001	3.900000e-001	4.960050e-001	-1.060050e-001
32	3.400000e+001	3.900000e-001	4.691439e-001	-7.914387e-002
33	3.500000e+001	3.600000e-001	4.437375e-001	-8.373745e-002
34	3.600000e+001	3.200000e-001	4.197069e-001	-9.970691e-002
35	3.700000e+001	3.200000e-001	3.969777e-001	-7.697774e-002
36	3.800000e+001	3.000000e-001	3.754795e-001	-7.547947e-002
37	3.900000e+001	2.900000e-001	3.551454e-001	-6.514543e-002
38	4.000000e+001	2.600000e-001	3.359126e-001	-7.591258e-002
39	4.100000e+001	2.500000e-001	3.177213e-001	-6.772128e-002
40	4.200000e+001	2.500000e-001	3.005151e-001	-5.051513e-002
41	4.300000e+001	2.300000e-001	2.842408e-001	-5.424078e-002
42	4.400000e+001	2.200000e-001	2.688478e-001	-4.884776e-002
43	4.500000e+001	2.000000e-001	2.542883e-001	-5.428834e-002
44	4.600000e+001	2.100000e-001	2.405174e-001	-3.051740e-002
45	4.700000e+001	1.700000e-001	2.274922e-001	-5.749221e-002
46	4.800000e+001	2.000000e-001	2.151724e-001	-1.517240e-002
47	4.900000e+001	2.000000e-001	2.035198e-001	-3.519770e-003
48	5.000000e+001	1.700000e-001	1.924982e-001	-2.249818e-002
49	5.100000e+001	1.700000e-001	1.820735e-001	-1.207347e-002
50	5.200000e+001	1.700000e-001	1.722133e-001	-2.213309e-003
51	5.300000e+001	1.700000e-001	1.628871e-001	7.112878e-003
52	5.400000e+001	1.600000e-001	1.540660e-001	5.934007e-003
53	5.500000e+001	1.500000e-001	1.457226e-001	4.277430e-003
54	5.600000e+001	1.400000e-001	1.378310e-001	2.169015e-003
55	5.700000e+001	1.300000e-001	1.303668e-001	-3.667674e-004
56	5.800000e+001	1.400000e-001	1.233068e-001	1.669323e-002
57	5.900000e+001	1.300000e-001	1.166291e-001	1.337089e-002
58	6.000000e+001	1.300000e-001	1.103131e-001	1.968692e-002
59	6.100000e+001	1.100000e-001	1.043391e-001	5.660910e-003
60	6.200000e+001	1.200000e-001	9.868862e-002	2.131138e-002
61	6.300000e+001	1.200000e-001	9.334415e-002	2.665585e-002
62	6.400000e+001	1.100000e-001	8.828911e-002	2.171089e-002
63	6.500000e+001	1.100000e-001	8.350783e-002	2.649217e-002
64	6.600000e+001	1.100000e-001	7.898547e-002	3.101453e-002
65	6.700000e+001	1.100000e-001	7.470803e-002	3.529197e-002
66	6.800000e+001	9.000000e-002	7.066222e-002	1.933778e-002
67	6.900000e+001	9.000000e-002	6.683552e-002	2.316448e-002
68	7.000000e+001	8.000000e-002	6.321605e-002	1.678395e-002



PZ-3 Test 2, Optimized Match

PZ-4 Test 1, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 20 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.6875 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 50 ft

Initial Displacement
Calculated Value = 1.88667 ft

Hydraulic Conductivity
Calculated Value = 0.000407727 ft/sec

Aquifer Thickness
Fixed Value = 300 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 4.83299

B
Calculated Value = 0.822699

C
Calculated Value = 4.81789

Linear Regression Slope
Fixed Value = -0.291921 ft/sec

Linear Regression Intercept
Fixed Value = 1.88667 ft

ANALYSIS STATISTICS

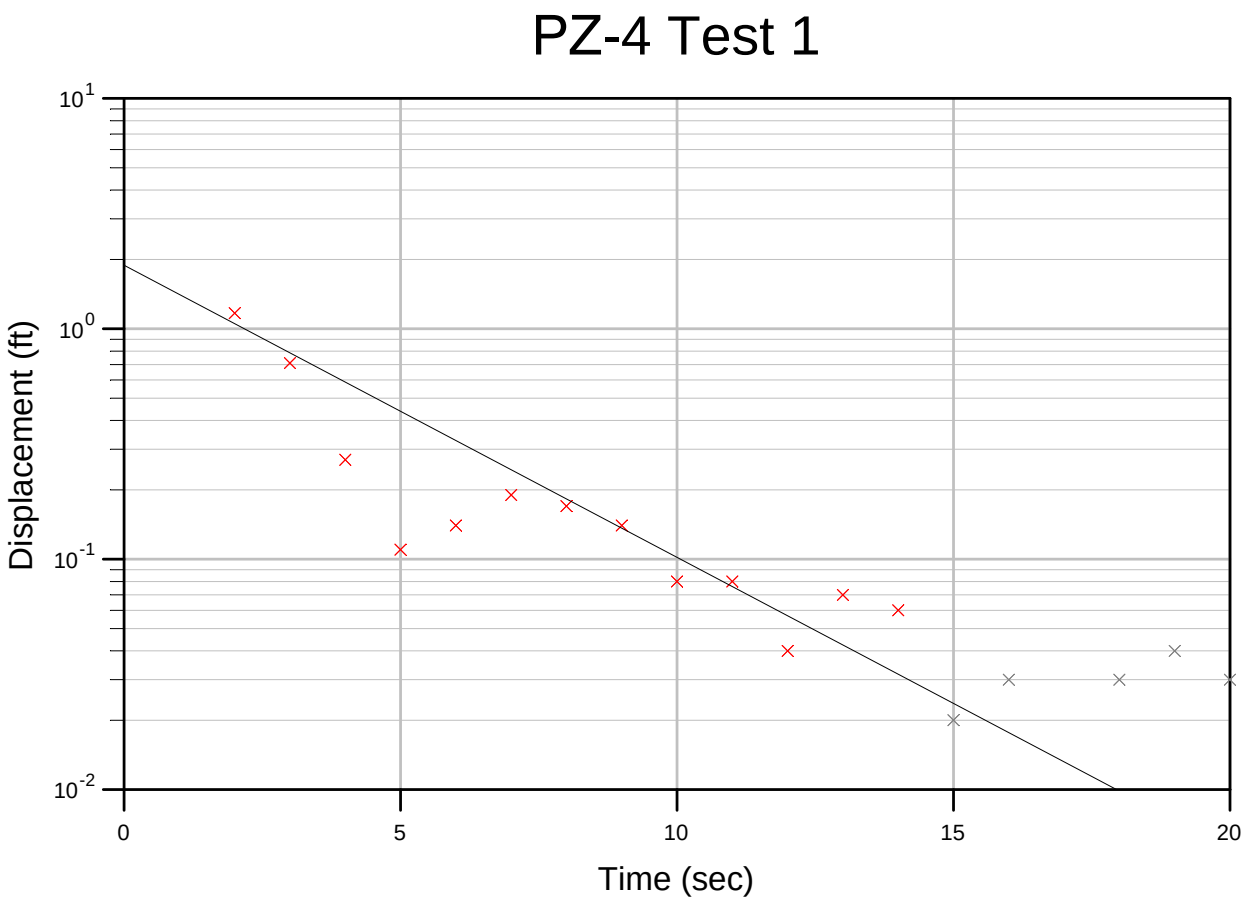
Regression Line
Slope: -0.291921 ft/sec
Intercept: 1.886666 ft

Residual Mean = -0.064074
Residual Standard Dev. = 0.128618
Residual Sum of Squares = 0.268425
Absolute Residual Mean = 0.091951
Minimum Residual = -0.328325
Maximum Residual = 0.117710

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	1.170000e+000	1.052290e+000	1.177096e-001
1	3.000000e+000	7.100000e-001	7.858794e-001	-7.587945e-002
2	4.000000e+000	2.700000e-001	5.869164e-001	-3.169164e-001
3	5.000000e+000	1.100000e-001	4.383254e-001	-3.283254e-001
4	6.000000e+000	1.400000e-001	3.273535e-001	-1.873535e-001
5	7.000000e+000	1.900000e-001	2.444766e-001	-5.447659e-002
6	8.000000e+000	1.700000e-001	1.825819e-001	-1.258186e-002
7	9.000000e+000	1.400000e-001	1.363572e-001	3.642834e-003
8	1.000000e+001	8.000000e-002	1.018353e-001	-2.183529e-002
9	1.100000e+001	8.000000e-002	7.605340e-002	3.946598e-003
10	1.200000e+001	4.000000e-002	5.679878e-002	-1.679878e-002
11	1.300000e+001	7.000000e-002	4.241889e-002	2.758111e-002
12	1.400000e+001	6.000000e-002	3.167960e-002	2.832040e-002
13	1.500000e+001	2.000000e-002	2.365920e-002	Skipped
14	1.600000e+001	3.000000e-002	1.766934e-002	Skipped
15	1.700000e+001	0.000000e+000	1.319595e-002	Skipped
16	1.800000e+001	3.000000e-002	9.855100e-003	Skipped

17	1.900000e+001	4.000000e-002	7.360060e-003	Skipped
18	2.000000e+001	3.000000e-002	5.496696e-003	Skipped
19	2.100000e+001	1.000000e-002	4.105084e-003	Skipped



PZ-**4 Test 1, Manual Match**

PZ-4 Test 2, Manual Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 21 Manual Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.6875 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 50 ft

Initial Displacement
Fixed Value = 3.97756 ft

Hydraulic Conductivity
Calculated Value = 0.000410832 ft/sec

Aquifer Thickness
Fixed Value = 300 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 4.83299

B
Calculated Value = 0.822699

C
Calculated Value = 4.81789

Linear Regression Slope
Fixed Value = -0.294144 ft/sec

Linear Regression Intercept
Fixed Value = 3.97756 ft

ANALYSIS STATISTICS

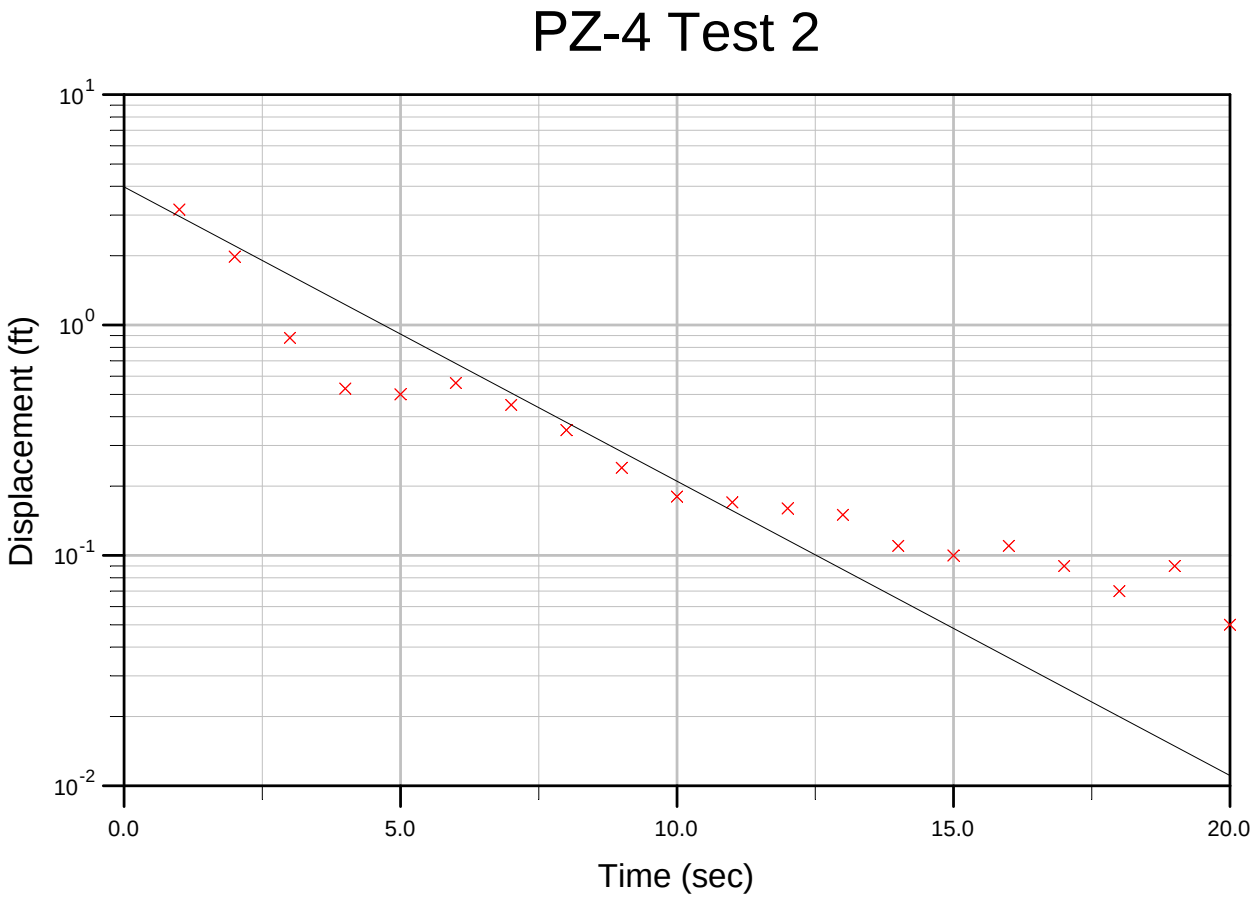
Regression Line
Slope: -0.294144 ft/sec
Intercept: 3.977562 ft

Residual Mean = -0.076519
Residual Standard Dev. = 0.245775
Residual Sum of Squares = 1.391467
Absolute Residual Mean = 0.150443
Minimum Residual = -0.765815
Maximum Residual = 0.206045

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	1.000000e+000	3.170000e+000	2.963955e+000	2.060446e-001
1	2.000000e+000	1.980000e+000	2.208647e+000	-2.286472e-001
2	3.000000e+000	8.800000e-001	1.645815e+000	-7.658151e-001
3	4.000000e+000	5.300000e-001	1.226410e+000	-6.964102e-001
4	5.000000e+000	5.000000e-001	9.138827e-001	-4.138827e-001
5	6.000000e+000	5.600000e-001	6.809969e-001	-1.209969e-001
6	7.000000e+000	4.500000e-001	5.074577e-001	-5.745768e-002
7	8.000000e+000	3.500000e-001	3.781417e-001	-2.814165e-002
8	9.000000e+000	2.400000e-001	2.817794e-001	-4.177938e-002
9	1.000000e+001	1.800000e-001	2.099732e-001	-2.997322e-002
10	1.100000e+001	1.700000e-001	1.564655e-001	1.353450e-002
11	1.200000e+001	1.600000e-001	1.165932e-001	4.340678e-002
12	1.300000e+001	1.500000e-001	8.688164e-002	6.311836e-002
13	1.400000e+001	1.100000e-001	6.474149e-002	4.525851e-002
14	1.500000e+001	1.000000e-001	4.824334e-002	5.175666e-002
15	1.600000e+001	1.100000e-001	3.594944e-002	7.405056e-002
16	1.700000e+001	9.000000e-002	2.678840e-002	6.321160e-002

17	1.800000e+001	7.000000e-002	1.996188e-002	5.003812e-002
18	1.900000e+001	9.000000e-002	1.487497e-002	7.512503e-002
19	2.000000e+001	5.000000e-002	1.108437e-002	3.891563e-002
20	2.100000e+001	6.000000e-002	8.259724e-003	5.174028e-002



PZ-4 Test 2, Manual Match

WS-31 Test 1, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 39 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.6875 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 71 ft

Initial Displacement
Fixed Value = 3.05895 ft

Hydraulic Conductivity
Calculated Value = 0.000132229 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 4.83299

B
Calculated Value = 0.822699

C
Calculated Value = 4.81789

Linear Regression Slope
Fixed Value = -0.0918944 ft/sec

Linear Regression Intercept
Fixed Value = 3.05895 ft

ANALYSIS STATISTICS

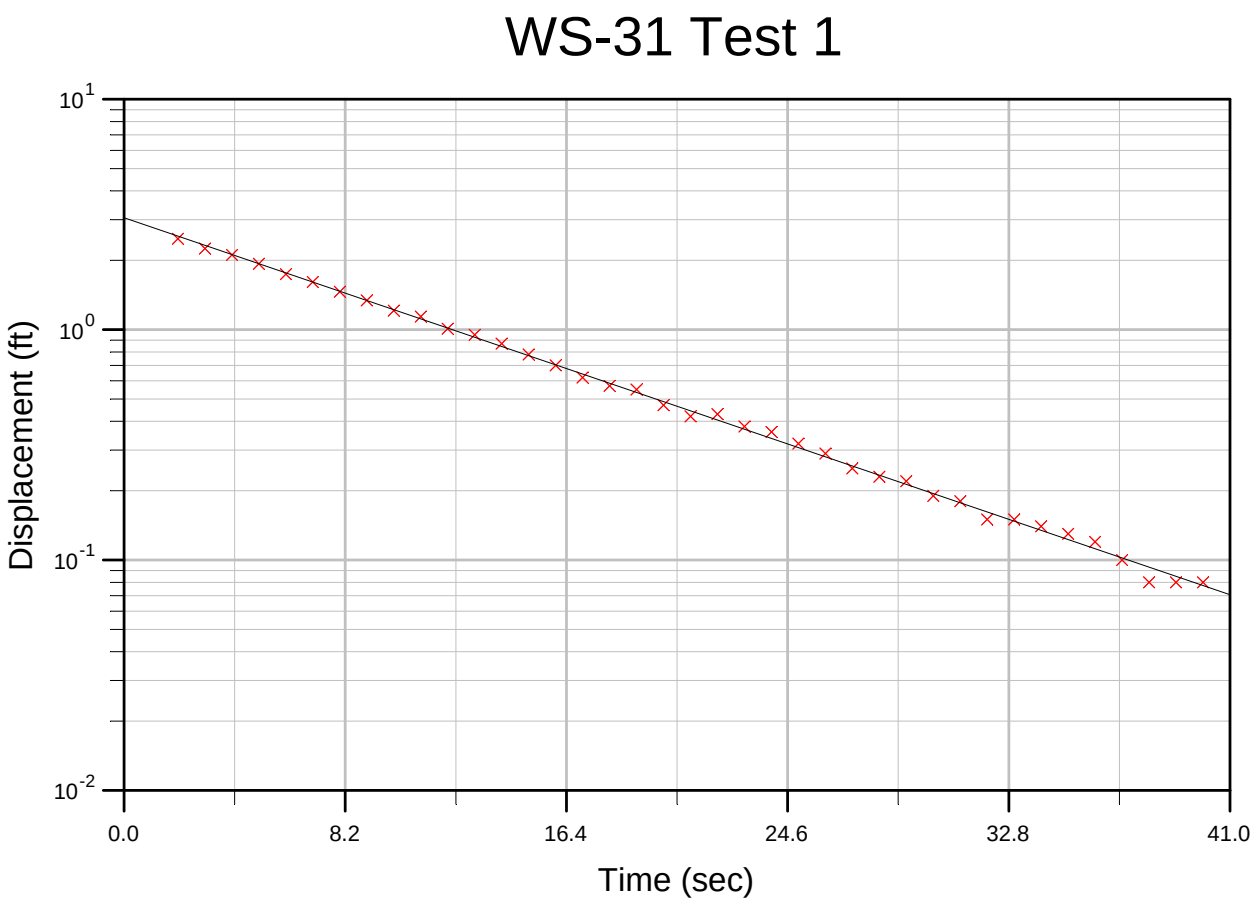
Regression Line
Slope: -0.091894 ft/sec
Intercept: 3.058949 ft

Residual Mean = -0.002467
Residual Standard Dev. = 0.020196
Residual Sum of Squares = 0.016145
Absolute Residual Mean = 0.013839
Minimum Residual = -0.071905
Maximum Residual = 0.026807

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	2.480000e+000	2.545386e+000	-6.538637e-002
1	3.000000e+000	2.250000e+000	2.321905e+000	-7.190519e-002
2	4.000000e+000	2.110000e+000	2.118045e+000	-8.045335e-003
3	5.000000e+000	1.930000e+000	1.932084e+000	-2.084073e-003
4	6.000000e+000	1.740000e+000	1.762450e+000	-2.244994e-002
5	7.000000e+000	1.610000e+000	1.607709e+000	2.290575e-003
6	8.000000e+000	1.460000e+000	1.466555e+000	-6.554904e-003
7	9.000000e+000	1.340000e+000	1.337794e+000	2.206457e-003
8	1.000000e+001	1.210000e+000	1.220337e+000	-1.033724e-002
9	1.100000e+001	1.140000e+000	1.113193e+000	2.680657e-002
10	1.200000e+001	1.010000e+000	1.015457e+000	-5.456682e-003
11	1.300000e+001	9.500000e-001	9.263011e-001	2.369892e-002
12	1.400000e+001	8.700000e-001	8.449732e-001	2.502679e-002
13	1.500000e+001	7.800000e-001	7.707858e-001	9.214195e-003
14	1.600000e+001	7.000000e-001	7.031119e-001	-3.111946e-003
15	1.700000e+001	6.200000e-001	6.413798e-001	-2.137975e-002
16	1.800000e+001	5.700000e-001	5.850676e-001	-1.506755e-002

17	1.900000e+001	5.500000e-001	5.336995e-001	1.630052e-002
18	2.000000e+001	4.700000e-001	4.868415e-001	-1.684145e-002
19	2.100000e+001	4.200000e-001	4.440975e-001	-2.409749e-002
20	2.200000e+001	4.300000e-001	4.051064e-001	2.489361e-002
21	2.300000e+001	3.800000e-001	3.695386e-001	1.046136e-002
22	2.400000e+001	3.600000e-001	3.370937e-001	2.290631e-002
23	2.500000e+001	3.200000e-001	3.074974e-001	1.250264e-002
24	2.600000e+001	2.900000e-001	2.804995e-001	9.500453e-003
25	2.700000e+001	2.500000e-001	2.558721e-001	-5.872100e-003
26	2.800000e+001	2.300000e-001	2.334069e-001	-3.406906e-003
27	2.900000e+001	2.200000e-001	2.129141e-001	7.085877e-003
28	3.000000e+001	1.900000e-001	1.942206e-001	-4.220577e-003
29	3.100000e+001	1.800000e-001	1.771683e-001	2.831704e-003
30	3.200000e+001	1.500000e-001	1.616132e-001	-1.161318e-002
31	3.300000e+001	1.500000e-001	1.474238e-001	2.576219e-003
32	3.400000e+001	1.400000e-001	1.344802e-001	5.519810e-003
33	3.500000e+001	1.300000e-001	1.226730e-001	7.326973e-003
34	3.600000e+001	1.200000e-001	1.119025e-001	8.097484e-003
35	3.700000e+001	1.000000e-001	1.020776e-001	-2.077640e-003
36	3.800000e+001	8.000000e-002	9.311537e-002	-1.311537e-002
37	3.900000e+001	8.000000e-002	8.493998e-002	-4.939981e-003
38	4.000000e+001	8.000000e-002	7.748238e-002	2.517625e-003



WS-31 Test 1, Optimized Match

WS-31 Test 2, Optimized Match

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Bouwer & Rice, 1976 (Unconfined Aquifer)

Slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Number of Points = 59 Optimized Match

ANALYSIS PARAMETERS

Casing Inner Diameter
Fixed Value = 0.166667 ft

Screen Inner Diameter
Fixed Value = 0.166667 ft

Diameter of Drilled Hole
Fixed Value = 0.6875 ft

Screen Length
Fixed Value = 10 ft

Depth to Screen Top
Fixed Value = 71 ft

Initial Displacement
Fixed Value = 5.19779 ft

Hydraulic Conductivity
Calculated Value = 0.000121139 ft/sec

Aquifer Thickness
Fixed Value = 400 ft

Gravel Pack Porosity
Fixed Value = 0.3

Calculation Type
Selected Value = Isotropic

Correction Type
Selected Value = None

Kz/Kr
Fixed Value = 1

Effective Casing Inner Diameter

Calculated Value = 0.166667 ft

Effective Screen Inner Diameter
Calculated Value = 0.166667 ft

A
Calculated Value = 4.83299

B
Calculated Value = 0.822699

C
Calculated Value = 4.81789

Linear Regression Slope
Fixed Value = -0.0841873 ft/sec

Linear Regression Intercept
Fixed Value = 5.19779 ft

ANALYSIS STATISTICS

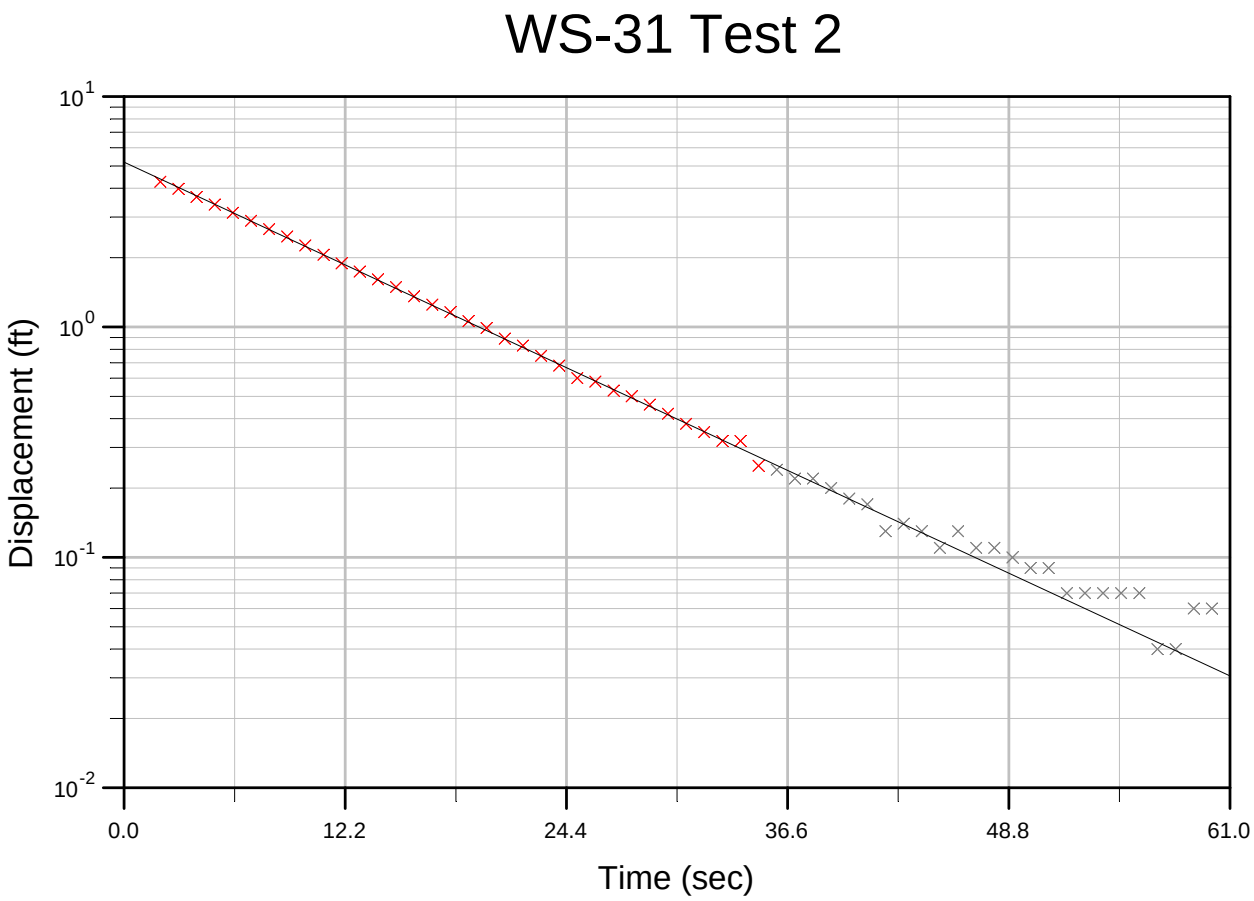
Regression Line
Slope: -0.084187 ft/sec
Intercept: 5.197789 ft

Residual Mean = -0.002711
Residual Standard Dev. = 0.027649
Residual Sum of Squares = 0.026241
Absolute Residual Mean = 0.016292
Minimum Residual = -0.122325
Maximum Residual = 0.033536

DATA DETAIL

Index	Time (sec)	Obs. Displacement (ft)	Calc. Displacement (ft)	Residual
0	2.000000e+000	4.270000e+000	4.392325e+000	-1.223252e-001
1	3.000000e+000	3.980000e+000	4.037685e+000	-5.768478e-002
2	4.000000e+000	3.670000e+000	3.711678e+000	-4.167832e-002
3	5.000000e+000	3.400000e+000	3.411994e+000	-1.199393e-002
4	6.000000e+000	3.130000e+000	3.136506e+000	-6.506340e-003
5	7.000000e+000	2.890000e+000	2.883262e+000	6.738125e-003
6	8.000000e+000	2.660000e+000	2.650465e+000	9.535394e-003
7	9.000000e+000	2.470000e+000	2.436464e+000	3.353639e-002
8	1.000000e+001	2.260000e+000	2.239741e+000	2.025875e-002
9	1.100000e+001	2.060000e+000	2.058902e+000	1.097560e-003
10	1.200000e+001	1.890000e+000	1.892665e+000	-2.664725e-003
11	1.300000e+001	1.740000e+000	1.739849e+000	1.508004e-004
12	1.400000e+001	1.610000e+000	1.599372e+000	1.062786e-002
13	1.500000e+001	1.490000e+000	1.470237e+000	1.976266e-002
14	1.600000e+001	1.360000e+000	1.351529e+000	8.471006e-003
15	1.700000e+001	1.250000e+000	1.242405e+000	7.594725e-003
16	1.800000e+001	1.160000e+000	1.142092e+000	1.790769e-002

17	1.900000e+001	1.060000e+000	1.049879e+000	1.012130e-002
18	2.000000e+001	9.900000e-001	9.651105e-001	2.488949e-002
19	2.100000e+001	8.900000e-001	8.871866e-001	2.813417e-003
20	2.200000e+001	8.300000e-001	8.155543e-001	1.444569e-002
21	2.300000e+001	7.500000e-001	7.497057e-001	2.943139e-004
22	2.400000e+001	6.800000e-001	6.891737e-001	-9.173746e-003
23	2.500000e+001	6.000000e-001	6.335292e-001	-3.352921e-002
24	2.600000e+001	5.800000e-001	5.823775e-001	-2.377468e-003
25	2.700000e+001	5.300000e-001	5.353558e-001	-5.355765e-003
26	2.800000e+001	5.000000e-001	4.921306e-001	7.869362e-003
27	2.900000e+001	4.600000e-001	4.523955e-001	7.604451e-003
28	3.000000e+001	4.200000e-001	4.158687e-001	4.131292e-003
29	3.100000e+001	3.800000e-001	3.822911e-001	-2.291078e-003
30	3.200000e+001	3.500000e-001	3.514245e-001	-1.424538e-003
31	3.300000e+001	3.200000e-001	3.230502e-001	-3.050191e-003
32	3.400000e+001	3.200000e-001	2.969668e-001	2.303318e-002
33	3.500000e+001	2.500000e-001	2.729894e-001	-2.298944e-002
34	3.600000e+001	2.400000e-001	2.509480e-001	Skipped
35	3.700000e+001	2.200000e-001	2.306862e-001	Skipped
36	3.800000e+001	2.200000e-001	2.120604e-001	Skipped
37	3.900000e+001	2.000000e-001	1.949385e-001	Skipped
38	4.000000e+001	1.800000e-001	1.791989e-001	Skipped
39	4.100000e+001	1.700000e-001	1.647303e-001	Skipped
40	4.200000e+001	1.300000e-001	1.514298e-001	Skipped
41	4.300000e+001	1.400000e-001	1.392032e-001	Skipped
42	4.400000e+001	1.300000e-001	1.279638e-001	Skipped
43	4.500000e+001	1.100000e-001	1.176319e-001	Skipped
44	4.600000e+001	1.300000e-001	1.081342e-001	Skipped
45	4.700000e+001	1.100000e-001	9.940332e-002	Skipped
46	4.800000e+001	1.100000e-001	9.137740e-002	Skipped
47	4.900000e+001	1.000000e-001	8.399950e-002	Skipped
48	5.000000e+001	9.000000e-002	7.721730e-002	Skipped
49	5.100000e+001	9.000000e-002	7.098271e-002	Skipped
50	5.200000e+001	7.000000e-002	6.525150e-002	Skipped
51	5.300000e+001	7.000000e-002	5.998303e-002	Skipped
52	5.400000e+001	7.000000e-002	5.513994e-002	Skipped
53	5.500000e+001	7.000000e-002	5.068789e-002	Skipped
54	5.600000e+001	7.000000e-002	4.659530e-002	Skipped
55	5.700000e+001	4.000000e-002	4.283316e-002	Skipped
56	5.800000e+001	4.000000e-002	3.937477e-002	Skipped
57	5.900000e+001	6.000000e-002	3.619561e-002	Skipped
58	6.000000e+001	6.000000e-002	3.327314e-002	Skipped



WS-31 Test 2, Optimized Match

APPENDIX H
ANALYTICAL RESULTS

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DATA VALIDATION REPORT

Date: **August 19, 2005**	
To: **Steve Passig**	*From:* **David Lee**
Laboratory: **Paragon Analytics, Severn Trent Laboratories (Dioxin)**	*SDG #:* **404291,406099, 407062, 412103, 412130, H4E05116(Dioxin)**

Attached you will find the results from the data validation technical review for the Westinghouse - Hematite Remedial Investigation samples and analyses that are associated with the above referenced laboratory and sample delivery group (SDG) numbers. These data points have been selected for data validation and the sample index on the following page specifically identifies the samples and analyses associated with this validation review. The SDGs included in the data validation technical review represent 10% of the data generated for the Remedial Investigation.

The Westinghouse - Hematite validation technical review was performed in accordance with the *Contract Laboratory Program Data Validation Functional Guidelines for Evaluating Inorganic Analytical Data,* and the *Laboratory Data Validation Guidelines for Evaluating Radionuclide Analyses and Radiochemical Data Verification and Validation*. It was based on the information and documentation supplied by the associated laboratory. The analyses were evaluated against criteria established in the related analytical procedures and the Westinghouse - Hematite data quality requirements.

Attachment A outlines the validation qualifiers and reason codes used in the validation of the data.

Report Summary	
Total Number of Samples	69
Total Number of Data Points	9897
Total Number of Rejected Data Points	0
Percent Completeness (approval to rejection ratio)	100 %

Sample Index

	Date: **August 19, 2005**
Laboratory: **Paragon Analytics, Severn Trent Laboratories (Dioxin)**	*SDG #:* **404291,406099, 407062, 412103, 412130, H4E05116(Dioxin)**

SampleID	Analyses
CB-01-00-SL	BNA, DIOX, Gamma Spec, METAL, PAH, PCB, PEST, and VOC.
CB-01-00-SL-FD	DIOX, Gamma Spec, METAL, PCB, and PEST.
EP-13-03-SL	Gamma Spec
EP-13-06-SL	ANION, METAL, and VOC.
EP-13-13-SL	ANION, Gamma Spec, METAL, and VOC.
EP-13-25-SL	ANION, Gamma Spec, METAL, and VOC.
EP-13-30-SL	ANION, Gamma Spec, METAL, and VOC.
EP-14-05-SL	ANION, Gamma Spec, METAL, and VOC.
EP-14-13-SL	ANION, Gamma Spec, METAL, RADS, and VOC.
EP-14-25-SL	ANION, Gamma Spec, METAL, RADS, and VOC.
EP-14-31-SL	ANION, Gamma Spec, METAL, RADS, and VOC.
EP-15-05-SL	Gamma Spec, PEST, and VOC.
EP-15-13-SL	Gamma Spec, PEST, and VOC.
EP-15-25-SL	Gamma Spec, PEST, and VOC.
EP-15-29-SL	Gamma Spec, PEST, RADS, and VOC.
EP-17-05-SL	Gamma Spec, PEST, and VOC.
EP-17-15-SL	Gamma Spec, PEST, and VOC.
EP-17-25-SL	Gamma Spec, PEST, and VOC.
EP-17-30-SL	Gamma Spec, PEST, RADS, and VOC.
EP-18-09-SL	ANION, Gamma Spec, METAL, and VOC.
EP-18-09-SL-FD	ANION, Gamma Spec, METAL, and VOC.
EP-18-15-SL	ANION, Gamma Spec, METAL, RADS, and VOC.
EP-18-29-SL	ANION, Gamma Spec, METAL, RADS, and VOC.
EP-19-05-SL	ANION, Gamma Spec, METAL, and VOC.
EP-19-13-SL	ANION, Gamma Spec, METAL, and VOC.
EP-19-25-SL	ANION, Gamma Spec, METAL, and VOC.
EP-19-31-SL	ANION, Gamma Spec, METAL, RADS, and VOC.
GW-BD6-121404	Alpha Spec, RADS, and VOC.
GW-BR4JC-121404	Alpha Spec, METAL, RADS, and VOC.
GW-BR4RB-121004	Alpha Spec, ANION, RADS, and VOC.
GW-BR5RB-121004	Alpha Spec, ANION, RADS, and VOC.
GW-BR7RB-121404	Alpha Spec, METAL, RADS, and VOC.
GW-BR9JC-121404	Alpha Spec, RADS, and VOC.
GW-CB02-121404	Alpha Spec, RADS, and VOC.
GW-EP15-121004	Alpha Spec, METAL, RADS, and VOC.
GW-FD4-121404	Alpha Spec, RADS, and VOC.
GW-NB46-121004	Alpha Spec, METAL, RADS, and VOC.
GW-NB57A-121404	Alpha Spec, RADS, and VOC.
GW-NB82-121004	Alpha Spec, RADS, and VOC.

Sample Index (cont.)

Date:
August 19, 2005

SampleID	Analyses
GW-OB1-121404	Alpha Spec, METAL, RADS, and VOC.
GW-OB2-121404	Alpha Spec, RADS, and VOC.
GW-SW07-121004	Alpha Spec, RADS, and VOC.
GW-WS34-121404	Alpha Spec, RADS, and VOC.
NB-40-05-SL	Gamma Spec, PEST, RADS, and VOC.
NB-40-05-SL-FD	Gamma Spec, PEST, RADS, and VOC.
NB-40-17-SL	Gamma Spec, PEST, RADS, and VOC.
NB-40-25-SL	Gamma Spec, PEST, RADS, and VOC.
NB-40-31-SL	Gamma Spec, PEST, RADS, and VOC.
OA-01-00-SL	BNA, Gamma Spec, METAL, PAH, PCB, PEST, and VOC.
OA-01-00-SL-FD	BNA, Gamma Spec, METAL, PAH, PCB, PEST, RADS, and VOC.
OA-02-00-SL	BNA, Gamma Spec, METAL, PAH, PEST, and VOC.
OA-03-00-SL	BNA, Gamma Spec, METAL, PAH, PEST, RADS, and VOC.
RB-061004	Alpha Spec, Gamma Spec, PEST, RADS, and VOC.
RB-070704	Alpha Spec, Gamma Spec, METAL, RADS, and VOC.
RB-121004	Alpha Spec, RADS, and VOC.
RB-121404	Alpha Spec, RADS, and VOC.
RR-01-00-SL	BNA, Gamma Spec, METAL, PAH, PCB, PEST, and VOC.
RR-02-00-SL	Gamma Spec, METAL, and PEST.
RR-03-00-SL	Gamma Spec, METAL, PCB, PEST, RADS, and VOC.
SW-01-00-SL	BNA, Gamma Spec, METAL, PAH, PCB, PEST, and VOC.
SW-02-00-SL	BNA, Gamma Spec, METAL, PAH, PCB, PEST, and VOC.
SW-02-SS	BNA, Gamma Spec, METAL, PAH, PEST, and VOC.
SW-02-SW	Alpha Spec, METAL, PEST, and RADS.
SW-03-00-SL	Gamma Spec, METAL, PEST, RADS, and VOC.
SW-03-SS	BNA, Gamma Spec, METAL, PAH, PEST, and VOC.
SW-04-00-SL	Gamma Spec, METAL, PEST, RADS, and VOC.
SW-04-SS	Alpha Spec, Gamma Spec, METAL, PEST, and VOC.
SW-05-SS	Gamma Spec, METAL, PEST, and VOC.
SW-06-SS	BNA, Gamma Spec, METAL, PAH, PEST, and VOC.
TB-061004-01	VOC
TB-070704-01	VOC
TB-121004-1	VOC
TB-121404-1	VOC

ANALYTICAL CATEGORY: Alpha Spec

Americium-241, Neptunium-237, Plutonium-238, Plutonium-239/240, Thorium-228, Thorium-230, Thorium-232, Uranium-234, Uranium-235, and Uranium-238.

1. The following items (as applicable) have been addressed during the validation review:

· sample custody, integrity & preservation
· sample handling & preparation
· holding times
· instrument calibration & performance
· dilution factors
· detection limits
· laboratory background & carry-over
· overall appearance of the data
· Quality Control:
  ° calibration checks & background
  ° preparation blanks
  ° laboratory control samples
  ° field blanks (if available)
  ° field duplicates (if available)

2. The above items were found to be acceptable, except as follows:

· Blanks

For the samples listed below, the sample data were qualified as a result of the method blank. This may indicate that contamination could have been introduced during the laboratory preparation. Those samples where the normalized absolute difference between the sample and the method blank were less than 2.58 were qualified as estimated, J, F01.

404291
SW-02-SW
U-235
412103
GW-SW07-121004
U-234

· Radionuclide Quantitation

For the samples listed below, the analytical result is less than both the associated counting uncertainty and method detection activity (MDA). Sample results are qualified as estimated, J/UJ, T06.

404291
SW-02-SW
Th-228
Th-230
Th-232
412103
GW-BR4RB-121004
Th-228
Th-230
Th-232
GW-BR5RB-121004
Th-228
Th-230

Th-232
GW-EP15-121004
Th-228
Th-230
Th-232
U-234
U-235
U-238
GW-NB46-121004
Th-228
Th-230
Th-232
U-234
U-235
U-238
GW-NB82-121004
Th-228
Th-230
Th-232
U-235
GW-SW07-121004
Am-241
Np-237
Pu-238
Pu-239/240
Th-228
Th-230
Th-232
U-235
412130
GW-BD6-121404
Th-230
Th-232
GW-BR4JC-121404
Th-228
Th-230
Th-232
GW-BR7RB-121404
Th-230
Th-232
GW-BR9JC-121404
Am-241
Np-237
Pu-238
Pu-239/240
Th-228
Th-230
Th-230
Th-232

GW-CB02-121404

Am-241
Np-237
Pu-238
Pu-239/240
Th-228
Th-230
Th-230
Th-232
U-235

GW-FD4-121404

Am-241
Np-237
Pu-238
Pu-239/240
Th-228
Th-230
Th-230
Th-232
U-235

GW-NB57A-121404

Th-228
Th-230
Th-230
Th-232

GW-OB1-121404

Th-228
Th-230
Th-232

GW-OB2-121404

U-235

GW-WS34-121404

Th-228
Th-230
Th-232
U-234
U-235
U-238

3. Additional comments:

- None.

ANALYTICAL CATEGORY: Anions

Chloride, Fluoride, Nitrate as N, and Sulfate.

1. The following items (as applicable) have been addressed during the validation review:

· sample custody, integrity & preservation
· sample handling & preparation
· holding times
· instrument calibration & performance
· dilution factors
· detection limits
· laboratory background & carry-over
· overall appearance of the data

· Quality Control:
  ° calibration checks & background
  ° preparation blanks
  ° laboratory control samples
  ° field blanks (if available)
  ° field duplicates (if available)

2. The above items were found to be acceptable, except as follows:

· Blanks

For the samples listed below, the sample data were qualified as a result of the equipment rinsate. This may indicate that contamination could have been introduced during the field activities. Those samples where the sample result was less than ten times the contamination concentration were qualified non-detect, U, F03.

412103

GW-BR4RB-121004

Chloride

GW-BR5RB-121004

Chloride

· Matrix Spike/Matrix Spike Duplicate (MS/MSD)

For the samples listed below, the MS/MSD recovery was below the lower control limit. The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The low percent recovery is an indication of negative interference from the sample matrix upon the detection of the analyte which may bias the data low. Therefore, sample results were qualified as estimated, J/UJ, H02.

407062

EP-13-06-SL

Fluoride

EP-13-13-SL

Fluoride

EP-13-25-SL

Fluoride

EP-13-30-SL

Fluoride

EP-14-05-SL

Fluoride

EP-14-13-SL	Fluoride
EP-14-25-SL	Fluoride
EP-14-31-SL	Fluoride
EP-18-09-SL	Fluoride
EP-18-09-SL-FD	Fluoride
EP-18-15-SL	Fluoride
EP-18-29-SL	Fluoride
EP-19-05-SL	Fluoride
EP-19-13-SL	Fluoride
EP-19-25-SL	Fluoride
EP-19-31-SL	Fluoride

3. Additional comments:

   - None.

ANALYTICAL CATEGORY: Semi-Volatile Organics (BNA)

1,1'-Oxybis[2-ethane], 1,2-Dichlorobenzene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2-Chlorophenol, 2-Methyl-1,3-dinitrobenzene, 2-Methylphenol, 3,3'-Dichlorobenzidine, 4-Chlorobenzenamine, Benzoic Acid, Benzyl butyl phthalate, Bis(2-ethylhexyl)phthalate, Carbazole, Diethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorocyclopentadiene, Hexachloroethane, Isophorone, Naphthalene, Nitrobenzene, N-Nitrosodiphenylamine, n-Nitrosodipropylamine, p-Dichlorobenzene, Pentachlorophenol, and Phenol.

1. The following items (as applicable) have been addressed during the validation review:

· sample custody, integrity & preservation
· sample handling & preparation
· holding times
· instrument calibration & performance
· dilution factors
· detection limits
· laboratory background & carry-over
· overall appearance of the data

· Quality Control:
  ° calibration checks & background
  ° preparation blanks
  ° laboratory control samples
  ° field blanks (if available)
  ° field duplicates (if available)

2. The above items were found to be acceptable, except as follows:

· Internal Area Summary — For the samples listed below, the area counts were outside the control limits. Sample results are qualified as estimated, J/UJ, K01.

404291

CB-01-00-SL
- Benzo[a]pyrene
- Benzo[k]fluoranthene
- Dibenz[a,h]anthracene
- Di-n-octyl phthalate
- Indeno(1,2,3-cd)pyrene

OA-01-00-SL
- 3,3'-Dichlorobenzidine
- Benzanthracene
- Benzo[a]pyrene
- Benzo[k]fluoranthene
- Bis(2-ethylhexyl)phthalate
- Chrysene
- Dibenz[a,h]anthracene
- Di-n-octyl phthalate
- Indeno(1,2,3-cd)pyrene
- Pyrene

OA-01-00-SL-FD
- 3,3'-Dichlorobenzidine
- Benzanthracene
- Benzo[a]pyrene
- Benzo[k]fluoranthene

	Bis(2-ethylhexyl)phthalate
	Chrysene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
	Pyrene
OA-02-00-SL	
	3,3'-Dichlorobenzidine
	Benzanthracene
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Bis(2-ethylhexyl)phthalate
	Chrysene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
	Pyrene
OA-03-00-SL	
	3,3'-Dichlorobenzidine
	Benzanthracene
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Bis(2-ethylhexyl)phthalate
	Chrysene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
	Pyrene
RR-01-00-SL	
	3,3'-Dichlorobenzidine
	Benzanthracene
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Bis(2-ethylhexyl)phthalate
	Chrysene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
	Pyrene
SW-01-00-SL	
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
SW-02-00-SL	
	3,3'-Dichlorobenzidine
	Benzanthracene
	Benzo[a]pyrene

	Benzo[k]fluoranthene
	Bis(2-ethylhexyl)phthalate
	Chrysene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
	Pyrene
SW-02-SS	
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
SW-03-SS	
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
SW-06-SS	
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene

3. Additional comments:

   - None.

ANALYTICAL CATEGORY: Dioxins

1,2,3,4,6,7,8-HPCDD, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, 1,2,3,4,7,8-HXCDD, 1,2,3,4,7,8-HXCDF, 1,2,3,6,7,8-HxCDD, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9 -HxCDD, 1,2,3,7,8,9-HxCDF, 1,2,3,7,8-PeCDD, 1,2,3,7,8-PeCDF, 2,3,4,6,7,8-HxCDF, 2,3,4,7,8-PeCDF, 2,3,7,8-TCDD, 2,3,7,8-TCDF, OCDD, and OCDF.

1. The following items (as applicable) have been addressed during the validation review:

· sample custody, integrity & preservation
· sample handling & preparation
· holding times
· instrument calibration & performance
· dilution factors
· detection limits
· laboratory background & carry-over
· overall appearance of the data
· Quality Control:
  ° calibration checks & background
  ° preparation blanks
  ° laboratory control samples
  ° field blanks (if available)
  ° field duplicates (if available)

2. The above items were found to be acceptable, except as follows:

· Blanks

For the samples listed below, the sample data were qualified as a result of the method blank. This may indicate that contamination could have been introduced during the laboratory preparation. Those samples where the sample result was less than five times the contamination concentration were qualified as non-detect U, F01.

H4E05116

CB-01-00-SL

1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8,9-HpCDF
1,2,3,4,7,8-HxCDD
1,2,3,4,7,8-HxCDF
1,2,3,6,7,8-HxCDD
1,2,3,6,7,8-HxCDF
1,2,3,7,8,9-HxCDD
1,2,3,7,8-PeCDD
2,3,4,6,7,8-HxCDF
2,3,4,7,8-PeCDF

CB-01-00-SL-FD

1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8,9-HpCDF
1,2,3,4,7,8-HxCDD
1,2,3,4,7,8-HxCDF
1,2,3,6,7,8-HxCDD
1,2,3,6,7,8-HxCDF
1,2,3,7,8,9-HxCDD
1,2,3,7,8-PeCDD
2,3,4,6,7,8-HxCDF
2,3,4,7,8-PeCDF

·	Compound Quantitation and Reported CRQLs	For the sample listed below, professional judgment was used to qualify the data. The reported concentration exceeded the calibration range of the instrument. Sample results are qualified as estimated, J, N03.

H4E05116

CB-01-00-SL

OCDD

3. Additional comments:

   · None.

ANALYTICAL CATEGORY: Gamma Spec

Actinium-228, Aluminum-26, Americium-241, Antimony-124, Antimony-125, Beryllium-7, Bismuth-212, Bismuth-214, Cadmium-109, Cerium-139, Cerium-144, Cesium-134, Cesium-137, Chromium-51, Cobalt-56, Cobalt-57, Cobalt-58, Cobalt-60, Europium-152, Europium-154, Europium-155, Iodine-131, Iron-59, Lead-212, Lead-214, Manganese-54, Neptunium-237, Niobium-94, Niobium-95, Potassium-40, Protactinium-234, Ruthenium-106, Scandium-46, Silver-110, Sodium-22, Thallium-208, Thorium-227, Thorium-234, Uranium-235, and Zinc-65.

1. The following items (as applicable) have been addressed during the validation review:

· sample custody, integrity & preservation
· sample handling & preparation
· holding times
· instrument calibration & performance
· dilution factors
· detection limits
· laboratory background & carry-over
· overall appearance of the data
· Quality Control:
  ° calibration checks & background
  ° preparation blanks
  ° laboratory control samples
  ° field blanks (if available)
  ° field duplicates (if available)

2. The above items were found to be acceptable, except as follows:

· Initial/Continuing Calibration - Organics

For the samples listed below, professional judgment was used to qualify the data. The laboratory stated these samples had densities that differed from the laboratory control samples. These sample results may be biased high. Sample results are qualified as estimated, J, C14.

407062

EP-13-03-SL
- Ac-228
- Bi-214
- K-40
- Pb-212
- Pb-214
- Th-234
- Tl-208
- U-235

EP-13-13-SL
- Ac-228
- Bi-214
- K-40
- Pb-212
- Pb-214
- Tl-208

EP-13-25-SL
- Ac-228
- Bi-214
- K-40
- Pb-212
- Pb-214

	Tl-208
EP-13-30-SL	
	Ac-228
	Al-26
	Bi-214
	K-40
	Pb-212
	Pb-214
EP-14-05-SL	
	Ac-228
	Bi-214
	K-40
	Pb-212
	Pb-214
	Tl-208
EP-14-13-SL	
	Ac-228
	Bi-214
	K-40
	Pb-212
	Pb-214
	Tl-208
EP-14-25-SL	
	Ac-228
	Bi-212
	Bi-214
	K-40
	Pb-212
	Pb-214
	Tl-208
EP-14-31-SL	
	Bi-214
	K-40
	Pb-212
	Pb-214
	Tl-208
EP-18-09-SL	
	Bi-214
	Cd-109
	K-40
	Pb-212
	Pb-214
	Th-234
	Tl-208
	U-235
EP-18-09-SL-FD	
	Ac-228
	Bi-214
	Cd-109

	K-40
	Pb-212
	Pb-214
	Th-234
	Tl-208
EP-18-15-SL	
	Ac-228
	Bi-214
	K-40
	Pb-212
	Pb-214
	Tl-208
EP-18-29-SL	
	Ac-228
	Bi-214
	Cd-109
	K-40
	Pb-212
	Pb-214
	Tl-208
EP-19-05-SL	
	Ac-228
	Bi-214
	K-40
	Pb-212
	Pb-214
	Th-234
	Tl-208
	U-235
EP-19-13-SL	
	Ac-228
	Bi-214
	K-40
	Pb-212
	Pb-214
	Th-234
	Tl-208
	U-235
EP-19-25-SL	
	Ac-228
	Bi-214
	K-40
	Pb-212
	Pb-214
	Tl-208
EP-19-31-SL	
	Ac-228
	K-40
	Pb-212

Pb-214
Tl-208

- Radiological Calibration

For the samples listed below, professional judgment was used to qualify the data. The laboratory states that the calibration methodology creates a low bias. Sample results are qualified as estimated, J/UJ, R08.

406099

EP-15-05-SL
Bi-214
Pb-212
EP-15-13-SL
Bi-214
Pb-212
EP-15-25-SL
Bi-214
Pb-212
EP-15-29-SL
Bi-214
Pb-212
EP-17-05-SL
Bi-214
Pb-212
EP-17-15-SL
Bi-214
Pb-212
EP-17-25-SL
Bi-214
Pb-212
EP-17-30-SL
Bi-214
Pb-212
NB-40-05-SL
Bi-214
Pb-212
NB-40-05-SL-FD
Bi-214
Pb-212
NB-40-17-SL
Bi-214
Pb-212
NB-40-25-SL
Bi-214
Pb-212
NB-40-31-SL
Bi-214
Pb-212

· Radionuclide Quantitation

For the samples listed below, the analytical result is less than both the associated counting uncertainty and MDA. Sample results are qualified as estimated, J/UJ, T06.

404291

CB-01-00-SL

Ag-110M
Al-26
Am-241
Be-7
Bi-212
Cd-109
Ce-139
Ce-144
Co-56
Co-57
Co-58
Co-60
Cr-51
Cs-134
Cs-137
Eu-152
Eu-154
Eu-155
Fe-59
I-131
Mn-54
Na-22
Nb-94
Nb-95
Np-237
Pa-234M
Ru-106
Sb-124
Sb-125
Sc-46
Th-227
Zn-65

CB-01-00-SL-FD

Ac-228
Ag-110M
Am-241
Be-7
Bi-212
Cd-109
Ce-139
Ce-144
Co-56
Co-57

	Co-58
	Co-60
	Cr-51
	Cs-134
	Cs-137
	Eu-152
	Eu-154
	Eu-155
	Fe-59
	I-131
	Mn-54
	Na-22
	Nb-94
	Nb-95
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	Nb-94
	Nb-95
	Np-237
	Pa-234M
	Ru-106
	Sb-124
	Sb-125
	Sc-46
	Th-227
	Th-234
	U-235
	Zn-65
EP-18-09-SL	
	Ac-228
	Ag-110M
	Al-26
	Am-241
	Be-7
	Bi-212
	Ce-139

	Ce-144
	Co-56
	Co-57
	Co-58
	Co-60
	Cr-51
	Cd-134
	Cs-137
	Eu-152
	Eu-154
	Eu-155
	Fe-59
	I-131
	Mn-54
	Na-22
	Nb-94
	Nb-95
	Np-237
	Pa-234M
	Ru-106
	Sb-124
	Sb-125
	Sc-46
	Th-227
	Zn-65
EP-18-09-SL-FD	
	Ag-110M
	Al-26
	Am-241
	Be-7
	Bi-212
	Ce-139
	Ce-144
	Co-56
	Co-57
	Co-58
	Co-60
	Cr-51
	Cs-134
	Cs-137
	Eu-152
	Eu-154
	Eu-155
	Fe-59
	I-131
	Mn-54
	Na-22
	Nb-94
	Nb-95

	Np-237
	Pa-234M
	Ru-106
	Sb-124
	Sb-125
	Sc-46
	Th-227
	U-235
	Zn-65
EP-18-15-SL	
	Ag-110M
	Al-26
	Am-241
	Be-7
	Bi-212
	Cd-109
	Ce-139
	Ce-144
	Co-56
	Co-57
	Co-58
	Co-60
	Cr-51
	Cs-134
	Cs-137
	Eu-152
	Eu-154
	Eu-155
	Fe-59
	I-131
	Mn-54
	Na-22
	Nb-94
	Nb-95
	Np-237
	Pa-234M
	Ru-106
	Sb-124
	Sb-125
	Sc-46
	Th-227
	Th-234
	U-235
	Zn-65
EP-18-29-SL	
	Ag-110M
	Al-26
	Am-241
	Be-7

	Bi-212
	Ce-139
	Ce-144
	Co-56
	Co-57
	Co-58
	Co-60
	Cr-51
	Cs-134
	Cs-137
	Eu-152
	Eu-154
	Eu-155
	Fe-59
	I-131
	Mn-54
	Na-22
	Nb-94
	Nb-95
	Np-237
	Pa-234M
	Ru-106
	Sb-124
	Sb-125
	Sc-46
	Th-227
	Th-234
	U-235
	Zn-65
EP-19-05-SL	
	Ag-110M
	Al-26
	Am-241
	Be-7
	Bi-212
	Cd-109
	Ce-139
	Ce-144
	Co-56
	Co-57
	Co-58
	Co-60
	Cr-51
	Cs-134
	Cs-137
	Eu-152
	Eu-154
	Eu-155
	Fe-59

	I-131
	Mn-54
	Na-22
	Nb-94
	Nb-95
	Np-237
	Pa-234M
	Ru-106
	Sb-124
	Sb-125
	Sc-46
	Th-227
	Zn-65
EP-19-13-SL	
	Ag-110M
	Al-26
	Am-241
	Be-7
	Bi-212
	Cd-109
	Ce-139
	Ce-144
	Co-56
	Co-57
	Co-58
	Co-60
	Cr-51
	Cs-134
	Cs-137
	Eu-152
	Eu-154
	Eu-155
	Fe-59
	I-131
	Mn-54
	Na-22
	Nb-94
	Nb-95
	Np-237
	Pa-234M
	Ru-106
	Sb-124
	Sb-125
	Sc-46
	Th-227
	Zn-65
EP-19-25-SL	
	Ag-110M
	Al-26

	Am-241
	Be-7
	Bi-212
	Cd-109
	Ce-139
	Ce-144
	Co-56
	Co-57
	Co-58
	Co-60
	Cr-51
	Cs-134
	Cs-137
	Eu-152
	Eu-154
	Eu-155
	Fe-59
	I-131
	Mn-54
	Na-22
	Nb-94
	Nb-95
	Np-237
	Pa-234M
	Ru-106
	Sb-124
	Sb-125
	Sc-46
	Th-227
	Th-234
	U-235
	Zn-65
EP-19-31-SL	
	Ag-110M
	Al-26
	Am-241
	Be-7
	Bi-212
	Bi-214
	Cd-109
	Ce-139
	Ce-144
	Co-56
	Co-57
	Co-58
	Co-60
	Cr-51
	Cs-134
	Cs-137

Eu-152
Eu-154
Eu-155
Fe-59
I-131
Mn-54
Na-22
Nb-94
Nb-95
Np-237
Pa-234M
Ru-106
Sb-124
Sb-125
Sc-46
Th-227
Th-234
U-235
Zn-65

- System Performance

For the samples listed below, the peak-tailing or peak splitting that may result in inaccurate quantitation were observed. Sample results are qualified as estimated, J/UJ, V04.

407062

EP-13-03-SL
Bi-214
Pb-214
EP-13-13-SL
Bi-214
Pb-214
EP-13-25-SL
Bi-214
Pb-214
EP-13-30-SL
Bi-214
Pb-214
EP-14-05-SL
Bi-214
Pb-214
EP-14-13-SL
Bi-214
Pb-214
EP-14-25-SL
Bi-214
Pb-214
EP-14-31-SL
Bi-214
Pb-214

EP-18-09-SL
Bi-214
Pb-214
EP-18-09-SL-FD
Bi-214
Pb-214
EP-18-15-SL
Bi-214
Pb-214
EP-18-29-SL
Bi-214
Pb-214
EP-19-05-SL
Bi-214
Pb-214
EP-19-13-SL
Bi-214
Pb-214
EP-19-25-SL
Bi-214
Pb-214
EP-19-31-SL
Bi-214
Pb-214

3. Additional comments:

- None.

ANALYTICAL CATEGORY: Inorganics

Cyanide, total.

1. The following items (as applicable) have been addressed during the validation review:

   · sample custody, integrity & preservation
   · sample handling & preparation
   · holding times
   · instrument calibration & performance
   · dilution factors
   · detection limits
   · laboratory background & carry-over
   · overall appearance of the data
   · Quality Control:
      ° calibration checks & background
      ° preparation blanks
      ° laboratory control samples
      ° field blanks (if available)
      ° field duplicates (if available)

2. The above items were found to be acceptable, except as follows:

   · None.

3. Additional comments:

   · None.

ANALYTICAL CATEGORY: Metals

Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, and Zinc.

1. The following items (as applicable) have been addressed during the validation review:

· sample custody, integrity & preservation
· sample handling & preparation
· holding times
· instrument calibration & performance
· dilution factors
· detection limits
· laboratory background & carry-over
· overall appearance of the data
· Quality Control:
  ° calibration checks & background
  ° preparation blanks
  ° laboratory control samples
  ° field blanks (if available)
  ° field duplicates (if available)

2. The above items were found to be acceptable, except as follows:

· Blanks

For the samples listed below, the sample data were qualified as a result of the equipment rinsate. This may indicate that contamination could have been introduced during the field activities. Those samples where the sample result was less than ten times the contamination concentration was qualified non-detect, U, F03.

412103
- GW-EP15-121004
  - Zinc
- GW-NB46-121004
  - Zinc

412130
- GW-BR4JC-121404
  - Iron
  - Manganese
- GW-BR7RB-121404
  - Manganese
- GW-OB1-121404
  - Iron

· Laboratory Duplicate

For the samples listed below, the duplicate RPD/NAD was outside the control limit. The NAD between the parent sample and its duplicate was greater than 1.96 (95% confidence level). The purpose of a laboratory duplicate is to monitor the precision of the analytical method, provided the sample is fully homogenized prior to preparation and analysis. Affected samples are qualified as estimated, J/UJ, J01.

404291
- CB-01-00-SL
  - Barium

	Manganese
CB-01-00-SL-FD	
	Barium
	Manganese
OA-01-00-SL	
	Barium
	Manganese
OA-01-00-SL-FD	
	Barium
	Manganese
OA-02-00-SL	
	Barium
	Manganese
OA-03-00-SL	
	Barium
	Manganese
RR-01-00-SL	
	Barium
	Manganese
RR-02-00-SL	
	Barium
	Manganese
RR-03-00-SL	
	Barium
	Manganese
SW-01-00-SL	
	Barium
	Manganese
SW-02-00-SL	
	Barium
	Manganese
SW-02-SS	
	Barium
	Manganese
SW-02-SW	
	Barium
	Manganese
SW-03-00-SL	
	Barium
	Manganese
SW-03-SS	
	Barium
	Manganese
SW-04-00-SL	
	Barium
	Manganese
SW-04-SS	
	Barium
	Manganese

SW-05-SS

Barium
Manganese

SW-06-SS

Barium
Manganese

407062

EP-13-06-SL

Barium

EP-13-13-SL

Barium

EP-13-25-SL

Barium

EP-13-30-SL

Barium

EP-14-05-SL

Barium

EP-14-13-SL

Barium

EP-14-25-SL

Barium

EP-14-31-SL

Barium

EP-18-09-SL

Barium

EP-18-09-SL-FD

Barium

EP-18-15-SL

Barium

EP-18-29-SL

Barium

EP-19-05-SL

Barium

EP-19-13-SL

Barium

EP-19-25-SL

Barium

EP-19-31-SL

Barium

- Matrix Spike/Matrix Spike Duplicate (MS/MSD)

For the samples listed below, the MS/MSD recovery was above the upper control limit. The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The high percent recovery is an indication of positive interference from the sample matrix upon the detection of the analyte which may bias the data high. Therefore, the positive results were qualified as estimated, J,H01.

404291

CB-01-00-SL

	Aluminum
	Antimony
	Barium
	Iron
	Manganese
CB-01-00-SL-FD	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
OA-01-00-SL	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
OA-01-00-SL-FD	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
OA-02-00-SL	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
OA-03-00-SL	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
RR-01-00-SL	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
RR-02-00-SL	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
RR-03-00-SL	
	Aluminum

	Antimony
	Barium
	Iron
	Manganese
SW-01-00-SL	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
SW-02-00-SL	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
SW-02-SS	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
SW-02-SW	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
SW-03-00-SL	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
SW-03-SS	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
SW-04-00-SL	
	Aluminum
	Antimony
	Barium
	Iron
	Manganese
SW-04-SS	
	Aluminum
	Antimony

		Barium
		Iron
		Manganese
	SW-05-SS	
		Aluminum
		Antimony
		Barium
		Iron
		Manganese
	SW-06-SS	
		Aluminum
		Antimony
		Barium
		Iron
		Manganese
407062		
	EP-13-06-SL	
		Antimony
		Barium
	EP-13-13-SL	
		Antimony
		Barium
	EP-13-25-SL	
		Antimony
		Barium
	EP-13-30-SL	
		Antimony
		Barium
	EP-14-05-SL	
		Antimony
		Barium
	EP-14-13-SL	
		Antimony
		Barium
	EP-14-25-SL	
		Antimony
		Barium
	EP-14-31-SL	
		Antimony
		Barium
	EP-18-09-SL	
		Antimony
		Barium
	EP-18-09-SL-FD	
		Antimony
		Barium
	EP-18-15-SL	
		Antimony
		Barium

EP-18-29-SL	
	Antimony
	Barium
EP-19-05-SL	
	Antimony
	Barium
EP-19-13-SL	
	Antimony
	Barium
EP-19-25-SL	
	Antimony
	Barium
EP-19-31-SL	
	Antimony
	Barium

3. Additional comments:

- None.

ANALYTICAL CATEGORY: Total Petroleum Hydrocarbons

Diesel Range Organics and Gasoline Range Organics.

1. The following items (as applicable) have been addressed during the validation review:

   · sample custody, integrity & preservation
   · sample handling & preparation
   · holding times
   · instrument calibration & performance
   · dilution factors
   · detection limits
   · laboratory background & carry-over
   · overall appearance of the data
   · Quality Control:
      ° calibration checks & background
      ° preparation blanks
      ° laboratory control samples
      ° field blanks (if available)
      ° field duplicates (if available)

2. The above items were found to be acceptable, except as follows:

   · None.

3. Additional comments:

   · None.

ANALYTICAL CATEGORY: Poly-Aromatic Hydrocarbons

Acenaphthene, Anthracene, Benz[e]acephenanthrylene, Benzanthracene, Benzo[a]pyrene, Benzo[k]fluoranthene, Chrysene, Dibenz[a,h]anthracene, Indeno(1,2,3-cd)pyrene, and Pyrene.

1. The following items (as applicable) have been addressed during the validation review:

· sample custody, integrity & preservation
· sample handling & preparation
· holding times
· instrument calibration & performance
· dilution factors
· detection limits
· laboratory background & carry-over
· overall appearance of the data

· Quality Control:
  ° calibration checks & background
  ° preparation blanks
  ° laboratory control samples
  ° field blanks (if available)
  ° field duplicates (if available)

2. The above items were found to be acceptable, except as follows:

· Internal Area Summary — For the samples listed below, the area counts were outside the control limits. Sample results are qualified as estimated, J/UJ, K01.

404291

CB-01-00-SL
- Benzo[a]pyrene
- Benzo[k]fluoranthene
- Dibenz[a,h]anthracene
- Di-n-octyl phthalate
- Indeno(1,2,3-cd)pyrene

OA-01-00-SL
- 3,3'-Dichlorobenzidine
- Benzanthracene
- Benzo[a]pyrene
- Benzo[k]fluoranthene
- Bis(2-ethylhexyl)phthalate
- Chrysene
- Dibenz[a,h]anthracene
- Di-n-octyl phthalate
- Indeno(1,2,3-cd)pyrene
- Pyrene

OA-01-00-SL-FD
- 3,3'-Dichlorobenzidine
- Benzanthracene
- Benzo[a]pyrene
- Benzo[k]fluoranthene
- Bis(2-ethylhexyl)phthalate
- Chrysene
- Dibenz[a,h]anthracene
- Di-n-octyl phthalate
- Indeno(1,2,3-cd)pyrene

	Pyrene
OA-02-00-SL	
	3,3'-Dichlorobenzidine
	Benzanthracene
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Bis(2-ethylhexyl)phthalate
	Chrysene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
	Pyrene
OA-03-00-SL	
	3,3'-Dichlorobenzidine
	Benzanthracene
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Bis(2-ethylhexyl)phthalate
	Chrysene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
	Pyrene
RR-01-00-SL	
	3,3'-Dichlorobenzidine
	Benzanthracene
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Bis(2-ethylhexyl)phthalate
	Chrysene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
	Pyrene
SW-01-00-SL	
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
SW-02-00-SL	
	3,3'-Dichlorobenzidine
	Benzanthracene
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Bis(2-ethylhexyl)phthalate
	Chrysene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate

	Indeno(1,2,3-cd)pyrene
	Pyrene
SW-02-SS	
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
SW-03-SS	
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene
SW-06-SS	
	Benzo[a]pyrene
	Benzo[k]fluoranthene
	Dibenz[a,h]anthracene
	Di-n-octyl phthalate
	Indeno(1,2,3-cd)pyrene

3. Additional comments:

   - None.

ANALYTICAL CATEGORY: PCBs

Arochlor 1242, Arochlor 1248, Arochlor 1260, Aroclor 1016, Aroclor 1221, Aroclor 1232, and PCB 1254.

1. The following items (as applicable) have been addressed during the validation review:

· sample custody, integrity & preservation
· sample handling & preparation
· holding times
· instrument calibration & performance
· dilution factors
· detection limits
· laboratory background & carry-over
· overall appearance of the data

· Quality Control:
  ° calibration checks & background
  ° preparation blanks
  ° laboratory control samples
  ° field blanks (if available)
  ° field duplicates (if available)

2. The above items were found to be acceptable, except as follows:

· Surrogate

For the samples listed below, the surrogate was below the lower control limit. Surrogates are added to every blank, sample, matrix spike, matrix spike duplicate, and standard. They are used as a measure of extraction, clean-up (if required), and analytical efficiency by measuring recovery. Due to low recoveries, sample results are qualified as estimated, J/UJ, G02.

404291
CB-01-00-SL-FD
Arochlor 1242
Arochlor 1248
Arochlor 1260
Aroclor-1016
AROCLOR-1221
AROCLOR-1232
PCB-1254

· Target Compound Identification

For the samples listed below, the percent difference (%D) between the two pesticide/PCB column checks was > 25%. Affected sample results are qualified as estimated, J/UJ, M08.

404291
CB-01-00-SL
Arochlor 1260
CB-01-00-SL-FD
Arochlor 1260
OA-01-00-SL
PCB-1254
OA-01-00-SL-FD
PCB-1254
RR-01-00-SL
PCB-1254
RR-03-00-SL

	PCB-1254
SW-01-00-SL	
	Arochlor 1260
SW-02-00-SL	
	Arochlor 1260

3. Additional comments:

   - None.

ANALYTICAL CATEGORY: Pesticides

4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Aldrin, alpha-BHC, Chlorodane, Dieldrin, Endosulfan I, Endosulfan II, Endrin, Heptachlor, Heptachlor epoxide, Lindane, Methoxychlor, and Toxaphene.

1. The following items (as applicable) have been addressed during the validation review:

- sample custody, integrity & preservation
- sample handling & preparation
- holding times
- instrument calibration & performance
- dilution factors
- detection limits
- laboratory background & carry-over
- overall appearance of the data
- Quality Control:
  - calibration checks & background
  - preparation blanks
  - laboratory control samples
  - field blanks (if available)
  - field duplicates (if available)

2. The above items were found to be acceptable, except as follows:

- Initial/Continuing Calibration - Organics: For the samples listed below, the continuing calibration %D was outside the control limits. Sample results are qualified as estimated, J/UJ, C05.

404291

CB-01-00-SL
- 4,4'-DDD
- Methoxychlor

CB-01-00-SL-FD
- 4,4'-DDD
- 4,4'-DDT
- Methoxychlor

OA-01-00-SL
- 4,4'-DDD
- Methoxychlor

OA-01-00-SL-FD
- 4,4'-DDD
- Methoxychlor

OA-02-00-SL
- 4,4'-DDD
- 4,4'-DDT
- Methoxychlor

OA-03-00-SL
- 4,4'-DDD
- 4,4'-DDT
- Methoxychlor

RR-01-00-SL
- 4,4'-DDD
- 4,4'-DDT
- Methoxychlor

RR-02-00-SL
- 4,4'-DDD

		4,4'-DDT
		Methoxychlor
	RR-03-00-SL	
		4,4'-DDD
		4,4'-DDT
		Methoxychlor
	SW-01-00-SL	
		4,4'-DDD
		4,4'-DDT
		Methoxychlor
	SW-02-00-SL	
		4,4'-DDD
		4,4'-DDT
		Methoxychlor
	SW-02-SS	
		4,4'-DDD
	SW-02-SW	
		4,4'-DDD
	SW-03-00-SL	
		4,4'-DDD
	SW-03-SS	
		4,4'-DDD
	SW-04-00-SL	
		4,4'-DDD
	SW-04-SS	
		4,4'-DDD
	SW-05-SS	
		4,4'-DDD
		Methoxychlor
	SW-06-SS	
		4,4'-DDD
		Methoxychlor
406099		
	EP-15-05-SL	
		4,4'-DDD
		4,4'-DDE
		4,4'-DDT
		Aldrin
		alpha-BHC
		Chlorodane
		Dieldrin
		Endosulfan I
		Endosulfan II
		Endrin
		Heptachlor
		Heptachlor epoxide
		Lindane
		Methoxychlor
		Toxaphene

EP-15-13-SL

4,4'-DDD
4,4'-DDE
4,4'-DDT
Aldrin
alpha-BHC
Chlorodane
Dieldrin
Endosulfan I
Endosulfan II
Endrin
Heptachlor
Heptachlor epoxide
Lindane
Methoxychlor
Toxaphene

EP-15-25-SL

4,4'-DDD
4,4'-DDE
4,4'-DDT
Aldrin
alpha-BHC
Chlorodane
Dieldrin
Endosulfan I
Endosulfan II
Endrin
Heptachlor
Heptachlor epoxide
Lindane
Methoxychlor
Toxaphene

EP-15-29-SL

4,4'-DDD
4,4'-DDE
4,4'-DDT
Aldrin
alpha-BHC
Chlorodane
Dieldrin
Endosulfan I
Endosulfan II
Endrin
Heptachlor
Heptachlor epoxide
Lindane
Methoxychlor
Toxaphene

EP-17-05-SL

	4,4'-DDD
	4,4'-DDE
	4,4'-DDT
	Aldrin
	alpha-BHC
	Chlorodane
	Dieldrin
	Endosulfan I
	Endosulfan II
	Endrin
	Heptachlor
	Heptachlor epoxide
	Lindane
	Methoxychlor
	Toxaphene
EP-17-15-SL	
	4,4'-DDD
	4,4'-DDE
	4,4'-DDT
	Aldrin
	alpha-BHC
	Chlorodane
	Dieldrin
	Endosulfan I
	Endosulfan II
	Endrin
	Heptachlor
	Heptachlor epoxide
	Lindane
	Methoxychlor
	Toxaphene
EP-17-25-SL	
	4,4'-DDD
	4,4'-DDE
	4,4'-DDT
	Aldrin
	alpha-BHC
	Chlorodane
	Dieldrin
	Endosulfan I
	Endosulfan II
	Endrin
	Heptachlor
	Heptachlor epoxide
	Lindane
	Methoxychlor
	Toxaphene
EP-17-30-SL	
	4,4'-DDD

	4,4'-DDE
	4,4'-DDT
	Aldrin
	alpha-BHC
	Chlorodane
	Dieldrin
	Endosulfan I
	Endosulfan II
	Endrin
	Heptachlor
	Heptachlor epoxide
	Lindane
	Methoxychlor
	Toxaphene
NB-40-05-SL	
	4,4'-DDD
	4,4'-DDE
	4,4'-DDT
	Aldrin
	alpha-BHC
	Chlorodane
	Dieldrin
	Endosulfan I
	Endosulfan II
	Endrin
	Heptachlor
	Heptachlor epoxide
	Lindane
	Methoxychlor
	Toxaphene
NB-40-05-SL-FD	
	4,4'-DDD
	4,4'-DDE
	4,4'-DDT
	Aldrin
	alpha-BHC
	Chlorodane
	Dieldrin
	Endosulfan I
	Endosulfan II
	Endrin
	Heptachlor
	Heptachlor epoxide
	Lindane
	Methoxychlor
	Toxaphene
NB-40-17-SL	
	4,4'-DDD
	4,4'-DDE

		4,4'-DDT
		Aldrin
		alpha-BHC
		Chlorodane
		Dieldrin
		Endosulfan I
		Endosulfan II
		Endrin
		Heptachlor
		Heptachlor epoxide
		Lindane
		Methoxychlor
		Toxaphene
	NB-40-25-SL	
		4,4'-DDD
		4,4'-DDE
		4,4'-DDT
		Aldrin
		alpha-BHC
		Chlorodane
		Dieldrin
		Endosulfan I
		Endosulfan II
		Endrin
		Heptachlor
		Heptachlor epoxide
		Lindane
		Methoxychlor
		Toxaphene
	NB-40-31-SL	
		4,4'-DDD
		4,4'-DDE
		4,4'-DDT
		Aldrin
		alpha-BHC
		Chlorodane
		Dieldrin
		Endosulfan I
		Endosulfan II
		Endrin
		Heptachlor
		Heptachlor epoxide
		Lindane
		Methoxychlor
		Toxaphene

·	Target Compound Identification	For the samples listed below, the %D between the two pesticide/PCB column checks was > 25%. Affected sample results are qualified as estimated, J/UJ, M08.

404291		
	CB-01-00-SL	
		4,4'-DDT
	CB-01-00-SL-FD	
		4,4'-DDT
	OA-01-00-SL	
		4,4'-DDE
	OA-01-00-SL-FD	
		4,4'-DDE
	RR-01-00-SL	
		Endrin
	RR-03-00-SL	
		Endrin
	SW-02-00-SL	
		4,4'-DDT
		Endrin

3. Additional comments:

- None.

ANALYTICAL CATEGORY: Miscellaneous Radiological

Gross Alpha, Gross Beta, Radium-226, Radium-228, and Technetium-99.

1. The following items (as applicable) have been addressed during the validation review:

· sample custody, integrity & preservation
· sample handling & preparation
· holding times
· instrument calibration & performance
· dilution factors
· detection limits
· laboratory background & carry-over
· overall appearance of the data
· Quality Control:
  ° calibration checks & background
  ° preparation blanks
  ° laboratory control samples
  ° field blanks (if available)
  ° field duplicates (if available)

2. The above items were found to be acceptable, except as follows:

· Radionuclide Quantitation — For the samples listed below, the analytical result is less than the associated MDA, but greater than the counting uncertainty. Sample results are qualified as estimated, J/UJ, T05.

404291
- OA-01-00-SL-FD
  - Tc-99
- OA-03-00-SL
  - Tc-99
- RR-03-00-SL
  - Tc-99
- SW-02-SW
  - Tc-99
- SW-03-00-SL
  - Tc-99
- SW-04-00-SL
  - Tc-99

406099
- EP-15-29-SL
  - Tc-99
- EP-17-30-SL
  - Tc-99
- NB-40-05-SL
  - Tc-99
- NB-40-05-SL-FD
  - Tc-99
- NB-40-17-SL
  - Tc-99
- NB-40-31-SL
  - Tc-99

407062
- EP-14-31-SL
  - Tc-99

EP-18-15-SL
Tc-99
EP-18-29-SL
Tc-99
EP-19-31-SL
Tc-99
412103
GW-BR4RB-121004
Tc-99
GW-BR5RB-121004
Tc-99
GW-EP15-121004
Gross Alpha
GW-NB46-121004
Gross Alpha
Gross Beta
Tc-99
GW-NB82-121004
Gross Beta
Tc-99
GW-SW07-121004
Gross Beta
Tc-99
412130
GW-BD6-121404
Tc-99
GW-BR4JC-121404
Tc-99
GW-BR7RB-121404
Tc-99
GW-BR9JC-121404
Tc-99
Tc-99
GW-CB02-121404
Tc-99
GW-FD4-121404
Tc-99
GW-NB57A-121404
Gross Beta
Tc-99
GW-OB1-121404
Tc-99
GW-OB2-121404
Tc-99
GW-WS34-121404
Tc-99

3. Additional comments:

- None.

ANALYTICAL CATEGORY: Volatile Organics

1,1,2,2-Tetrachloroethane (reported as T, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dichloropropane, 2-Hexanone, 2-Propanone, 4-Methyl-2-pentanone, Benzene, Bromodichloromethane, Carbon disulfide, Chlorobenzene, Chlorodibromomethane, Chloroethene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Ethenyl ester acetic acid, Ethyl chloride, Ethylbenzene, Ethylene dibromide, Ethylene dichloride, Methyl bromide, Methyl chloride, Methyl ethyl ketone, Methylchloroform, Methylene chloride, m-Xylene & p-Xylene, O-Xylene, Perchloroethylene, Styrene, Tetrachloromethane, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Tribromomethane, Trichloroethene, Trichloromethane, and Vinylidene chloride.

1. The following items (as applicable) have been addressed during the validation review:

· sample custody, integrity & preservation
· sample handling & preparation
· holding times
· instrument calibration & performance
· dilution factors
· detection limits
· laboratory background & carry-over
· overall appearance of the data
· Quality Control:
  ° calibration checks & background
  ° preparation blanks
  ° laboratory control samples
  ° field blanks (if available)
  ° field duplicates (if available)

2. The above items were found to be acceptable, except as follows:

· Blanks

For the samples listed below, the sample data were qualified as a result of the method blank. This may indicate that contamination could have been introduced during the laboratory preparation. Those samples where the sample result was less than five (ten for common laboratory contaminants) times the contamination concentration were qualified non-detect, U, F01.

404291

CB-01-00-SL	Methylene chloride
OA-01-00-SL	Methylene chloride
OA-01-00-SL-FD	Methylene chloride
OA-02-00-SL	Methylene chloride
OA-03-00-SL	Methylene chloride
RR-01-00-SL	Methylene chloride
RR-03-00-SL	Methylene chloride
SW-01-00-SL	Methylene chloride
SW-02-00-SL	Methylene chloride

	SW-02-SS	
		2-Propanone
		2-Propanone
		Methylene chloride
	SW-03-00-SL	
		Methylene chloride
	SW-03-SS	
		2-Propanone
		2-Propanone
		Methylene chloride
	SW-04-00-SL	
		Methylene chloride
	SW-04-SS	
		Methylene chloride
	SW-05-SS	
		2-Propanone
		2-Propanone
		Methyl ethyl ketone
		Methyl ethyl ketone
		Methylene chloride
		Toluene
		Toluene
	SW-06-SS	
		2-Propanone
		2-Propanone
		Methylene chloride
406099		
	EP-15-29-SL	
		2-Propanone
	EP-17-30-SL	
		2-Propanone
	NB-40-31-SL	
		2-Propanone
407062		
	EP-13-13-SL	
		Methylene chloride
		Methylene chloride
	EP-13-25-SL	
		Methylene chloride
		Methylene chloride
	EP-13-30-SL	
		Methylene chloride
		Methylene chloride
	EP-18-09-SL	
		Methylene chloride
		Methylene chloride
	EP-18-09-SL-FD	
		Methylene chloride
		Methylene chloride

EP-18-15-SL

Methylene chloride
Methylene chloride

EP-18-29-SL

Methylene chloride
Methylene chloride

412130

GW-BD6-121404

Toluene

· Compound Quantitation and Reported CRQLs

For the sample listed below, professional judgment was used to qualify the data. The sample container was received at the laboratory with headspace in the vial. Sample results are qualified as estimated, J/UJ, N03.

412130

GW-CB02-121404

1,1,2,2 Tertachloroethene
1,1,2-Trichloroethane
1,1-Dichloroethane
1,2,4-Trichlorobenzene
1,2-Dibromo-3-
1,2-Dichloropropane
2-Hexanone
2-Propanone
4-Methyl-2-pentanone
Benzene
Bromodichloromethane
Carbon disulfide
Chlorobenzene
Chlorodibromomethane
Chloroethene
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Ethenyl ester acetic acid
Ethyl chloride
Ethylbenzene
Ethylene dibromide
Ethylene dichloride
Methyl bromide
Methyl chloride
Methyl ethyl ketone
Methylchloroform
Methylene chloride
m-Xylene & p-Xylene
O-Xylene (1,2-
Perchloroethylene
Styrene
Tetrachloromethane

Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Tribromomethane
Trichloroethene
Trichloromethane
Vinylidene chloride

- Initial/Continuing Calibration - Organics

For the samples listed below, the initial calibration RRF was < 0.05. Sample results are qualified as estimated, J/UJ, C01.

406099
EP-15-05-SL
2-Propanone
EP-15-13-SL
2-Propanone
EP-15-25-SL
2-Propanone
EP-15-29-SL
2-Propanone
EP-17-05-SL
2-Propanone
EP-17-15-SL
2-Propanone
EP-17-25-SL
2-Propanone
EP-17-30-SL
2-Propanone
NB-40-05-SL
2-Propanone
NB-40-05-SL-FD
2-Propanone
NB-40-17-SL
2-Propanone
NB-40-25-SL
2-Propanone
NB-40-31-SL
2-Propanone
TB-061004-01
2-Propanone
412103
GW-BR4RB-121004
2-Propanone
2-Propanone
GW-BR5RB-121004
2-Propanone
2-Propanone
GW-EP15-121004

2-Propanone
2-Propanone
GW-NB46-121004
2-Propanone
2-Propanone
GW-NB82-121004
2-Propanone
2-Propanone
GW-SW07-121004
2-Propanone
2-Propanone
TB-121004-1
2-Propanone
2-Propanone
412130
GW-BD6-121404
Bromodichloromethane
GW-BR4JC-121404
Bromodichloromethane
GW-BR7RB-121404
Bromodichloromethane
GW-BR9JC-121404
Bromodichloromethane
GW-CB02-121404
Bromodichloromethane
Carbon disulfide
GW-FD4-121404
Bromodichloromethane
GW-NB57A-121404
Bromodichloromethane
GW-OB1-121404
Bromodichloromethane
GW-OB2-121404
Bromodichloromethane
GW-WS34-121404
Bromodichloromethane
TB-121404-1
Bromodichloromethane

· Internal Area Summary

For the samples listed below, the area counts were outside the control limits. Sample results are qualified as estimated, J/UJ, K01.

404291
OA-03-00-SL
1,1,2,2 Tetrachlorethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,2,4-Trichlorobenzene
1,2-Dibromo-3-

	1,2-Dichloropropane
	2-Hexanone
	2-Propanone
	4-Methyl-2-pentanone
	Benzene
	Bromodichloromethane
	Carbon disulfide
	Chlorobenzene
	Chlorodibromomethane
	Chloroethene
	cis-1,2-Dichloroethene
	cis-1,3-Dichloropropene
	Ethenyl ester acetic acid
	Ethyl chloride
	Ethylbenzene
	Ethylene dibromide
	Ethylene dichloride
	Methyl bromide
	Methyl chloride
	Methyl ethyl ketone
	Methylchloroform
	Methylene chloride
	m-Xylene & p-Xylene
	O-Xylene (1,2-
	Perchloroethylene
	Styrene
	Tetrachloromethane
	Toluene
	trans-1,2-Dichloroethene
	trans-1,3-Dichloropropene
	Tribromomethane
	Trichloroethene
	Trichloromethane
	Vinylidene chloride
SW-02-00-SL	
	1,1,2,2 Tetrachlorethane
	1,1,2-Trichloroethane
	1,1-Dichloroethane
	1,2,4-Trichlorobenzene
	1,2-Dibromo-3-
	1,2-Dichloropropane
	2-Hexanone
	2-Propanone
	4-Methyl-2-pentanone
	Benzene
	Bromodichloromethane
	Carbon disulfide
	Chlorobenzene
	Chlorodibromomethane

Chloroethene
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Ethenyl ester acetic acid
Ethyl chloride
Ethylbenzene
Ethylene dibromide
Ethylene dichloride
Methyl bromide
Methyl chloride
Methyl ethyl ketone
Methylchloroform
Methylene chloride
m-Xylene & p-Xylene
O-Xylene (1,2-
Perchloroethylene
Styrene
Tetrachloromethane
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Tribromomethane
Trichloroethene
Trichloromethane
Vinylidene chloride

- Matrix Spike/Matrix Spike Duplicate (MS/MSD)

For the samples listed below, the MS/MSD recovery was below the lower control limit. The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The low percent recovery is an indication of negative interference from the sample matrix upon the detection of the analyte which may bias the data low. Therefore, sample results were qualified as estimated, J/UJ, H02.

407062

EP-13-06-SL

Benzene
Chlorobenzene
Toluene
Trichloroethene

EP-13-13-SL

Benzene
Chlorobenzene
Toluene
Trichloroethene

EP-13-25-SL

Benzene
Chlorobenzene

	Toluene
	Trichloroethene
EP-13-30-SL	
	Benzene
	Chlorobenzene
	Toluene
	Trichloroethene
EP-14-05-SL	
	Benzene
	Chlorobenzene
	Toluene
	Trichloroethene
EP-14-13-SL	
	Benzene
	Chlorobenzene
	Toluene
	Trichloroethene
EP-14-25-SL	
	Benzene
	Chlorobenzene
	Toluene
	Trichloroethene
EP-14-31-SL	
	Benzene
	Chlorobenzene
	Toluene
	Trichloroethene
EP-18-09-SL	
	Benzene
	Chlorobenzene
	Toluene
	Trichloroethene
EP-18-09-SL-FD	
	Benzene
	Chlorobenzene
	Toluene
	Trichloroethene
EP-18-15-SL	
	Benzene
	Chlorobenzene
	Toluene
	Trichloroethene
EP-18-29-SL	
	Benzene
	Chlorobenzene
	Toluene
	Trichloroethene
EP-19-05-SL	
	Benzene

	Chlorobenzene
	Toluene
	Trichloroethene
EP-19-13-SL	
	Benzene
	Chlorobenzene
	Toluene
	Trichloroethene
EP-19-25-SL	
	Benzene
	Chlorobenzene
	Toluene
	Trichloroethene
EP-19-31-SL	
	Benzene
	Chlorobenzene
	Toluene
	Trichloroethene
TB-070704-01	
	Benzene
	Chlorobenzene
	Toluene
	Trichloroethene

3. Additional comments:

   - None.

ATTACHMENT A

KEY TO THE WESTINGHOUSE DATA VALIDATION QUALIFIERS

QUALIFIERS	
=	Indicates that the data met all QA/QC requirements, and that the radionuclide has been positively identified and the associated concentration value is accurate.
U	Indicates that the data met all QA/QC requirements, and that the radionuclide was analyzed for but was not detected above the reported sample quantitation limit.
J	Indicates that the radionuclide was positively identified; the associated numerical value is the approximate concentration of the radionuclide in the sample.
UJ	Indicates that the radionuclide was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of a radionuclide for which there is presumptive evidence to make a "tentative identification."
R	Indicates that the sample results for the radionuclide are rejected or unusable due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the radionuclide cannot be verified.

Data Validation Reason Codes

Holding Times

A01 Extraction holding times were exceeded.
A02 Extraction holding times were grossly exceeded.
A03 Analysis holding times were exceeded.
A04 Analysis holding times were grossly exceeded.
A05 Samples were not preserved properly.
A06 Professional judgment was used to qualify the data.

GC/MS Tuning

B01 Mass calibration was in error, even after applying expanded criteria.
B02 Mass calibration was not performed every 12 hours.
B03 Mass calibration did not meet ion abundance.
B04 Professional judgment was used to qualify the data.

Initial/Continuing Calibration – Organics

C01 Initial calibration RRF was <0.05.
C02 Initial calibration RSD was >30%.
C03 Initial calibration sequence was not followed as required.
C04 Continuing calibration RRF was <0.05.
C05 Continuing calibration %D was >25%.
C06 Continuing calibration was not performed at the required frequency.
C07 Resolution criteria were not met.
C08 RPD criteria were not met.
C09 RSD criteria were not met.
C10 Retention time of compounds was outside windows.
C11 Compounds were not adequately resolved.
C12 Breakdown of endrin or DDT was >20%.
C13 Combined breakdown of endrin/DDT was >30%.
C14 Professional judgment was used to qualify the data.

Initial/Continuing Calibration – Inorganics

D01 ICV or CCV were not performed for every analyte.
D02 ICV recovery was above the upper control limit.
D03 ICV recovery was below the lower control limit.
D04 CCV recovery was above the upper control limit.
D05 CCV recovery was below the lower control limit.
D06 Standard curve was not established with the minimum number of standards.
D07 Instrument was not calibrated daily or each time the instrument was set up.
D08 Correlation coefficient was < 0.995.
D09 Mid-range cyanide standard was not distilled.
D10 Professional judgment was used to qualify the data.

ICP and Furnace Requirements

E01 Interference check sample recovery was outside the control limit.
E02 Duplicate injections were outside the control limit.
E03 Post digestion spike recovery was outside the control limit.
E04 MSA was required but not performed.
E05 MSA correlation coefficient was < 0.995.
E06 MSA spikes were not at the correct concentration.
E07 Serial dilution criteria were not met.
E08 Professional judgment was used to qualify the data.

Blanks

F01 Sample data were qualified as a result of the method blank.
F02 Sample data were qualified as a result of the field blank.
F03 Sample data were qualified as a result of the equipment rinsate.
F04 Sample data were qualified as a result of the trip blank.
F05 Gross contamination exists.
F06 Concentration of the contaminant was detected at a level below the CRQL.
F07 Concentration of the contaminant was detected at a level less than the action limit, but greater than the CRQL.
F08 Concentration of the contaminant was detected at a level that exceeds the action level.
F09 No laboratory blanks were analyzed.
F10 Blank had a negative value >2x's the IDL.
F11 Blanks were not analyzed at required frequency.
F12 Professional judgment was used to qualify the data.

Surrogate/Radiological Chemical Recovery

G01 Surrogate/radiological chemical recovery was above the upper control limit.
G02 Surrogate/radiological chemical recovery was below the lower control limit.
G03 Surrogate recovery was <10%.
G04 Surrogate/radiological chemical recovery was zero.
G05 Surrogate/radiological chemical recovery was not present.
G06 Professional judgment was used to qualify the data.
G07 Radiological chemical recovery was <20%.
G08 Radiological chemical recovery was >150%.

Matrix Spike/Matrix Spike Duplicate

H01 MS/MSD recovery was above the upper control limit.
H02 MS/MSD recovery was below the lower control limit.
H03 MS/MSD recovery was <10%.
H04 MS/MSD pairs exceed the RPD limit.
H05 No action was taken on MS/MSD results.
H06 Professional judgment was used to qualify the data.
H07 Radiological MS/MSD recovery was <20%.
H08 Radiological MS/MSD recovery was >160%.
H09 Radiological MS/MSD samples were not analyzed at the required frequency.

Matrix Spike

I01 MS recovery was above the upper control limit.
I02 MS recovery was below the lower control limit.
I03 MS recovery was < 30%.
I04 No action was taken on MS data.
I05 Professional judgment was used to qualify the data.
I06 MS samples were not analyzed at the required frequency.

Laboratory Duplicate

J01 Duplicate RPD/normalized absolute difference (NAD) was outside the control limit.
J02 Duplicate sample results were >5x the CRDL.
J03 Duplicate sample results were <5x the CRDL.
J04 Professional judgment was used to qualify the data.
J05 Duplicate was not analyzed at the required frequency.

Internal Area Summary

K01 Area counts were outside the control limits.
K02 Extremely low area counts or performance was exhibited by a major drop
K03 IS retention time varied by more than 30 seconds.
K04 Professional judgment was used to qualify the data.

Pesticide Cleanup Checks

L01 10% recovery was obtained during either check.
L02 Recoveries during either check were > 120%.
L03 GPC Cleanup recoveries were outside the control limits.
L04 Florisil cartridge cleanup recoveries were outside the control.
L05 Professional judgment was used to qualify the data.

Target Compound Identification

M01 Incorrect identifications were made.
M02 Qualitative criteria were not met.
M03 Cross contamination occurred.
M04 Confirmatory analysis was not performed.
M05 No results were provided.
M06 Analysis occurred outside 12 hr GC/MS window.
M07 Professional judgment was used to qualify the data.
M08 The %D between the two pesticide/PCB column checks was >25%.

Compound Quantitation and Reported CRQLs

N01 Quantitation limits were affected by large off-scale peaks.
N02 MDLs reported by the laboratory exceeded corresponding CRQLs.
N03 Professional judgment used to qualify the data.

Tentatively Identified Compounds (TICs)

O01 Compound was suspected laboratory contaminant and was not detected in the blank.
O02 TIC result was not above 10x the level found in the blank.
O03 Professional judgment was used to qualify analytical data.

Laboratory Control Samples (LCSs)

P01 LCS recovery was above upper control limit.
P02 LCS recovery was below lower control limit.
P03 LCS recovery was <50%.
P04 No action was taken on the LCS data.
P05 LCS was not analyzed at required frequency.
P06 Radiological LCS recovery was <50% for aqueous samples; <40% for solid samples.
P07 Radiological LCS recovery was >150% for aqueous samples; >160% for solid samples.
P08 Professional judgment was used to qualify the data.

Field Duplicate

Q01 No action was taken on the basis of field duplicate RPDs.
Q02 Radiological field duplicate normalized absolute difference (NAD) was outside the control limit.
Q03 Duplicate sample results were >5x the CRDL.
Q04 Duplicate sample results were <5x the CRDL.

Radiological Calibration

R01 Efficiency calibration criteria were not met.
R02 Energy calibration criteria were not met.
R03 Resolution calibration criteria were not met
R04 Background determination criteria were not met.
R05 Quench curve criteria were not met.
R06 Absorption curve criteria were not met.
R07 Plateau curve criteria were not met.
R08 Professional judgment was used to qualify the data.

Radiological Calibration Verification

S01 Efficiency verification criteria were not met.
S02 Energy verification criteria were not met.
S03 Resolution verification criteria were not met
S04 Background verification criteria were not met.
S05 Cross-talk verification criteria were not met.
S06 Professional judgment was used to qualify the data.

Radionuclide Quantitation

T01 Detection limits were not met.
T02 Analytical uncertainties were not met and/or not reported.
T03 Inappropriate aliquot sizes were used.
T04 Professional judgment was used to qualify the data.
T05 Analytical result is less than the associated MDA, but greater than the counting uncertainty.
T06 Analytical result is less than both the associated counting uncertainty and MDA.
T07 Negative analytical result where the absolute value exceeds 2x the associated MDA.

System Performance

V01 High background levels or a shift in the energy calibration were observed.
V02 Extraneous peaks were observed.
V03 Loss of resolution was observed.
V04 Peak-tailing or peak splitting that may result in inaccurate quantitation were observed.
V05 Professional judgment was used to qualify the data.

Table H.1 Groundwater Field Parameters

Well ID	Date	Sulfide (ppm)	Iron (ppm)	Alkalinity (mg/L)	pH	Sp Cond (µs/cm)	Turb (NTUs)	D.O. (mg/L)	Temp (ºC)	ORP (mV)
BD-01	12/16/2004				5.90	2.440	60	2.89	11.20	179
BD-01	12/17/2004	0.1	0.1	65	5.95	2.440	48	2.18	14.60	175
BD-01	1/4/2005				5.64	2.480	68	0.69	16.50	383
BD-02	12/16/2004	0	8	65	5.70	5.310	750	0.31	16.80	150
BD-02	1/4/2005				5.41	5.360	29	0.85	17.70	385
BD-03	12/17/2004	0	0	60	5.73	5.350	350	1.25	14.80	135
BD-04	12/17/2004	0	0.6	60	5.90	2.160	43	0	16.60	174
BD-05	12/15/2004	0	0	65	6.20	0.601	10	1.76	16.10	249
BD-06	12/14/2004	0	3	250	6.64	1.500	47	0.16	15.20	51
BD-07	12/15/2004	0	0	65	8.32	0.307	0	0.6	17.10	-66
BD-07	1/5/2005	0	0	50	6.57	1.330	10	0.47	17.60	-58
BD-08	12/28/2004	0	1	160	6.50	0.730	17	1.49	11.90	229
BD-13	12/28/2004	0	10	125	6.21	0.511	155	0	15.00	101
BD-14	12/29/2004		10+	150	6.10	1.540	65	0.55	19.30	60
BD-15	12/29/2004	0	0	250	5.88	1.280	75	3.15	11.76	143
BD-16	12/22/2004	0	2	250	7.16	0.743	350	1.17	2.85	-146
BD-16	12/28/2004				6.71	0.921	130	1.68	14.61	-105
BP-17	12/22/2004	0	>10	300	6.84	1.290	22	1.19	5.74	-124
BP-17	12/29/2004				6.48	1.280	56	1.48	15.75	-148
BP-22A	12/28/2004	0	>10	150	5.89	0.392	84	0.95	12.62	-29
BP-22B	12/28/2004	0	0.3	55	5.91	0.424	47	7.8	9.63	158
BP-22B	1/4/2005				5.40	0.380	180	5.02	8.76	90
BR-01-JC	12/6/2004	0	1	80	7.50	0.589	5999	1.89	16.10	75
BR-01-JC	12/17/2004				7.50	0.549	48.2	3.62	11.14	93
BR-01-RB	12/7/2004	0	0.1	37	7.30	0.567	5	1.93	13.40	79
BR-02-RB	12/8/2004	0	0.3	90	7.31	0.524	30	2.59	11.61	97
BR-03-JC	12/9/2004	0.5	2	100	7.40	0.555	19.2	2.1	12.05	161
BR-03-OB	12/8/2004	0	0	70	7.00	0.662	88.2	2.7	12.40	212
BR-03-RB	12/9/2004	0.1	0	95	7.10	0.631	2.7	1.89	14.07	235
BR-04-JC	12/14/2004	0	0.1	250	7.20	0.600	25.5	1.82	11.50	154
BR-04-RB	12/10/2004	0	0	100	7.30	0.488	4.3	3.43	11.05	91
BR-05	12/9/2004	0	0.6	175	6.51	0.592	30	3.2	15.83	-38
BR-05-JC	12/13/2004	0	0	200	7.05	0.594	62	1.98	11.29	82
BR-05-RB	12/10/2004	0	0.1	200	7.10	0.607	480	1.86	11.21	-40
BR-06-OB	12/7/2004	0	0	125	7.00	0.674	730	1.55	13.68	-2.2
BR-06-RB	12/7/2004	0	0.6	200	7.28	0.668	29	1.45	13.13	-182
BR-07-JC	12/15/2004	0	0.3	215	7.68	0.763	270	1.78	12.45	93
BR-07-RB	12/14/2004	0	0	125	7.15	0.507	190	2.49	11.46	64
BR-08-JC	12/6/2004	0	4.5	125	7.05	0.631	34	2.23	13.55	-170

Table H.1 Groundwater Field Parameters

Well ID	Date	Sulfide (ppm)	Iron (ppm)	Alkalinity (mg/L)	pH	Sp Cond (µs/cm)	Turb (NTUs)	D.O. (mg/L)	Temp (ºC)	ORP (mV)
BR-08-OB	12/6/2004				6.57	0.651	23	3.26	13.87	110
BR-08-RB	12/7/2004	0	0.1	225	7.32	0.619	43	2.24	12.84	-186
BR-09-JC	12/14/2004	0	0	25	6.92	0.768	0	1.6	10.89	24
BR-10-JC	12/13/2004	0	0	150	7.23	0.614	140	1.54	10.68	-55
BR-10-OB	12/8/2004	0	2	175	6.77	0.803	51	1.42	13.28	-105
BR-10-RB	12/13/2004	0	0.2	200	7.44	0.499	45	2.19	11.09	-130
BR-11-JC	12/13/2004	0	0	200	7.56	0.476	115	1.57	12.66	-69
BR-12-JC	12/8/2004	0	0.3	200	7.06	0.595	61	1.4	11.47	-131
BR-12-RB	12/8/2004	0	0.01	175	7.18	0.560	260	1.74	12.21	-59
CB-02	12/14/2004	0	>10	65	5.56	0.764	0	0	8.69	-46
DM-02	12/22/2004	0.2	1.8	150	6.67	1.590	0	0	6.00	114
DM-02	12/30/2004				6.48	1.290	120	1.13	15.96	-107
DM-02	1/4/2005				6.47	1.310	72	1.41	10.55	-101
EP-14	12/29/2004				5.90	1.320	990	1.41	13.60	244
EP-15	12/10/2004	0	0	115	5.27	0.460	364	0	11.63	145
EP-16	12/13/2004	0	0	85	4.93	0.410	494	0	10.70	31
EP-18A	12/29/2004				6.61	2.290	34	1.61	13.90	206
EP-20	12/15/2004	0	0	200	5.25	1.410	554	0	11.72	139
LF-08	12/21/2004		0.2	175	6.53	0.632	730	9.11	8.65	137
LF-09	12/20/2004	0	4	125	6.52	0.637	60	9.76	10.52	7
NB-31	12/21/2004	0	0	80	5.13	0.392	44.9	0	12.45	53
NB-32	12/20/2004	0	2.5	77	4.89	0.589	47.9	0	9.42	127
NB-33	12/21/2004	0	2	80	6.02	0.357	150	1.12	13.14	19
NB-34	12/7/2004	0	0	90	5.17	0.649	0	0	13.03	158
NB-35	12/21/2004	0	>10	125	6.37	0.509	140	0.91	11.82	-124
NB-36	12/22/2004	0	10	70	5.33	0.475	42.4	0	6.69	-36
NB-36	1/5/2005				6.02	0.539	42	0.94	12.25	-141
NB-38	12/9/2004	0	4.5	300	5.14	0.231	360	0	9.12	72
NB-39	12/13/2004	0	5	90	5.40	0.473	18.4	0	12.81	73
NB-44	12/6/2004	0	4.5	75	5.88	0.709	9.5	0	13.83	-57
NB-46	12/10/2004	0	5.5	70	5.88	0.610	19.2	0	10.82	-67
NB-50	12/16/2004	0	2.5	65	5.63	0.922	19.6	0	11.23	-28
NB-54	12/20/2004	0	10	175	6.69	0.742	110	1.35	13.70	-139
NB-56	12/16/2004	0	3	75	5.41	0.793	20.2	0	12.25	28
NB-57A	12/14/2004		5	15	5.46	0.719	0	0	9.87	0
NB-57B	12/14/2004	0	0	65	5.65	0.752	0	1.48	11.14	-25
NB-61	12/22/2004	0	>10	70	6.18	0.410	8	0.96	7.93	-116
NB-61	12/29/2004				5.94	0.407	38	1.38	14.59	-128
NB-63	12/7/2004	0	0	75	5.23	0.571	203	1.36	13.45	151

Table H.1 Groundwater Field Parameters

Well ID	Date	Sulfide (ppm)	Iron (ppm)	Alkalinity (mg/L)	pH	Sp Cond (µs/cm)	Turb (NTUs)	D.O. (mg/L)	Temp (ºC)	ORP (mV)
NB-64	12/21/2004	0	0	65	4.98	0.697	44.6	0	10.68	128
NB-65	12/20/2004	0	0	65	4.90	0.808	50.4	0	8.95	131
NB-66	12/6/2004	0	0	70	5.49	0.578	174	0.38	15.31	104
NB-67	12/7/2004	0	0	68	5.20	0.691	214	0	13.32	145
NB-71	12/13/2004	0	6.5	73	5.10	0.458	17.4	0	9.78	-38
NB-72	12/20/2004	0	0	62.5	4.89	0.810	46.9	0	9.54	134
NB-73	12/21/2004	0	>10	65	5.64	0.676	44.6	0	12.30	-70
NB-74	12/13/2004	0	>10	77	5.18	0.778	36.8	0	11.30	-45
NB-77	12/20/2004	0	0	65	4.79	0.731	50.1	0	8.30	134
NB-78	12/21/2004	0	0	65	4.91	0.910	774	0	10.08	125
NB-79	12/17/2004				4.98	0.556	0	0	5.51	111
NB-80	12/17/2004	0	6	65	5.63	0.561	0	0	9.98	-82
NB-81	12/9/2004	0	10+	125	5.59	0.354	27.7	0	13.71	-77
NB-82	12/10/2004	0	0	70	5.21	0.670	438	0	11.26	139
NB-83	12/9/2004	0	7	75	5.55	0.443	31.3	0	13.92	-53
NB-84	12/8/2004	0	6	78	5.57	0.685	552	0	12.24	11
NB-85	12/8/2004	0	4.5	80	5.91	0.917	3	0	11.15	-87
NB-86	12/8/2004	0	2.5	70	5.74	0.835	2.9	0	10.57	-32
OA-19	12/21/2004	0	0	105	6.76	1.100	26	4.44	14.80	331
OA-19	1/4/2005				6.35	0.895	81	1.73	11.84	-58
OB-02	12/14/2004	0	0	75	6.50	0.253	502	1.83	11.27	156
PL-04	12/22/2004	0	10+	125	6.04	0.292	140	0	6.60	88
PL-04	1/4/2005				5.81	4.110	210	0.77	12.89	-120
PL-06	12/14/2004		0.2	85	5.30	0.765	517	0	12.00	128
PW-06-JC	12/16/2004	0	0.3	178	7.59	0.886	450	2.91	13.23	59
PW-06-RB	12/17/2004	0	0.2	125	7.04	0.524	40	2.1	7.53	84
PW-16-JC	12/16/2004	0	0	125	8.18	1.220	280	3.57	12.96	87
PW-16-RB	12/14/2004	0	3	225	7.28	0.646	0	2.86	13.01	41
PW-19-JC	12/15/2004	0	0.8	200	7.21	0.940	70	1.84	12.34	103
PW-19-RB	12/15/2004	0	0	250	7.12	0.793	110	2.23	12.71	37
PZ-03	12/17/2004		8	160	6.80	0.716	8.3	3.17	11.45	245
PZ-04	12/13/2004	0	0.2	70	7.30	0.643	11.3	3.44	10.13	83
SW-07	12/10/2004	0	10	125	6.29	0.684	85	3.71	11.85	-92
WS-07	12/13/2004	0	0	70	6.50	0.487	36	1.79	11.82	141
WS-08	12/9/2004	0	0	45	6.30	0.161	127	2.45	13.29	223
WS-14	12/16/2004	0	0	35	5.60	0.219	2000	4.01	10.79	227
WS-15	12/16/2004	0	0	105	6.80	0.465	207	2.15	12.18	234
WS-16	12/16/2004	0		14	5.70	0.00122	8.6	6.31	13.17	260
WS-17B	12/17/2004	0	0	40	5.60	0.366	67.6	5.62	12.25	190

Table H.1 Groundwater Field Parameters

Well ID	Date	Sulfide (ppm)	Iron (ppm)	Alkalinity (mg/L)	pH	Sp Cond (µs/cm)	Turb (NTUs)	D.O. (mg/L)	Temp (ºC)	ORP (mV)
WS-22	12/13/2004	0	0	low	5.60	0.188	7.4	3.66	9.60	60
WS-23	12/13/2004	0	10	50	7.00	0.573	212	272	8.47	-58
WS-24	12/15/2004	0	0	105	6.60	0.900	36.5	1.16	13.91	132
WS-25	12/15/2004	0	9	70	6.90	0.529	289	1.71	12.26	-48
WS-26	12/15/2004	0	0		7.00	1.650	16.4	6.96	13.80	195
WS-27	12/15/2004	0	0.2	105	6.80	0.744	42.9	2.85	13.10	168
WS-28	12/16/2004	0	0	30	5.90	0.166	9.5	2.34	11.93	144
WS-29	12/16/2004	0	9	150	6.30	0.302	10.8	270	13.03	25
WS-30	12/16/2004			200	9.30	0.693	9.7	3.13	11.81	237
WS-31	12/16/2004			220	7.10	0.641	9.1	2.07	12.49	145
WS-32	12/17/2004	0	0	90	6.40	0.389	8.3	2.15	14.23	85
WS-34	12/14/2004		10	80	6.70	0.604	9.4	2.04	10.67	59

Table H.2 Inorganics in Surface Water (mg/L)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	19		T	0.02	U	T	0.011		T	0.63		T	0.0026	U	T	0.002	U	T
SW-02-SW	0.98	J	T	0.02	UJ	T	0.01	U	T	0.082	J	T	0.0026	U	T	0.002	U	T
SW-08-SW	0.28		T	0.02	U	T	0.01	U	T	0.085		T	0.0026	U	T	0.002	U	T
SW-08-SW-FD	0.22		T	0.02	U	T	0.01	U	T	0.093		T	0.0026	U	T	0.002	U	T
SW-09-SW	0.14		T	0.02	U	T	0.01	U	T	0.069		T	0.0026	U	T	0.002	U	T
SW-14-SW	0.1	U	T	0.02	U	T	0.01	U	T	0.14		T	0.0026	U	T	0.002	U	T
SW-15-SW	0.1	U	T	0.02	U	T	0.01	U	T	0.14		T	0.0026	U	T	0.002	U	T
SW-16-SW	0.1		T	0.02	U	T	0.01	U	T	0.14		T	0.0026	U	T	0.002	U	T
US-01-SW	0.1	U	T	0.02	U	T	0.01	U	T	0.07		T	0.0026	U	T	0.002	U	T
US-02-SW	0.14		T	0.02	U	T	0.01	U	T	0.088		T	0.0026	U	T	0.002	U	T
US-03-SW	0.34		T	0.02	U	T	0.01	U	T	0.077		T	0.0026	U	T	0.002	U	T
US-04-SW	0.5		T	0.02	U	T	0.01	U	T	0.088		T	0.0026	U	T	0.002	U	T
US-05-SW	0.1		T	0.02	U	T	0.01	U	T	0.14		T	0.0026	U	T	0.002	U	T
Sample ID	**Calcium**			**Chromium**			**Cobalt**			**Copper**			**Cyanide**			**Fluoride**		
SW-01-SW	62		T	0.026		T	0.017		T	0.055		T	0.01	U	T	0.5	U	T
SW-02-SW	46	=	T	0.004	U	T	0.002	U	T	0.01	U	T	0.01	U	T	0.5	U	T
SW-08-SW	55		T	0.004	U	T	0.002	U	T	0.01	U	T	0.01	U	T	0.5	U	T
SW-08-SW-FD	53		T	0.004	U	T	0.002	U	T	0.01	U	T	0.01	U	T	0.5	U	T
SW-09-SW	66		T	0.004	U	T	0.002	U	T	0.01	U	T	0.01	U	T	0.67		T
SW-14-SW	45		T	0.004	U	T	0.002	U	T	0.01	U	T	0.01	U	T	0.5	U	T
SW-15-SW	45		T	0.004	U	T	0.002	U	T	0.01	U	T	0.01	U	T	0.5	U	T
SW-16-SW	45		T	0.004	U	T	0.002	U	T	0.01	U	T	0.01	U	T	0.5	U	T
US-01-SW	68		T	0.004	U	T	0.002	U	T	0.01	U	T	0.01	U	T	0.5	U	T
US-02-SW	53		T	0.004	U	T	0.002	U	T	0.01	U	T	0.01	U	T	0.5	U	T
US-03-SW	47		T	0.004	U	T	0.002	U	T	0.01	U	T	0.01	U	T	0.5	U	T
US-04-SW	61		T	0.004	U	T	0.002	U	T	0.01	U	T	0.01	U	T	0.5	U	T
US-05-SW	45		T	0.004	U	T	0.002	U	T	0.01	U	T	0.01	U	T	0.5	U	T
Sample ID	**Iron**			**Lead**			**Magnesium**			**Manganese**			**Mercury**			**Nickel**		
SW-01-SW	23		T	0.068		T	35		T	1.3		T	0.0002	U	T	0.031		T
SW-02-SW	1	J	T	0.003	U	T	28	=	T	0.11	J	T	0.0002	U	T	0.005	U	T
SW-08-SW	0.26		T	0.003	U	T	33		T	0.077		T	0.0002	U	T	0.005	U	T
SW-08-SW-FD	0.23		T	0.003	U	T	32		T	0.068		T	0.0002	U	T	0.005	U	T
SW-09-SW	0.15		T	0.003	U	T	40		T	0.023		T	0.0002	U	T	0.005	U	T
SW-14-SW	0.1	U	T	0.003	U	T	28		T	0.016		T	0.0002	U	T	0.005	U	T
SW-15-SW	0.1	U	T	0.003	U	T	28		T	0.015		T	0.0002	U	T	0.005	U	T
SW-16-SW	0.1	U	T	0.003	U	T	28		T	0.02		T	0.0002	U	T	0.005	U	T
US-01-SW	0.1	U	T	0.003	U	T	43		T	0.069		T	0.0002	U	T	0.005	U	T
US-02-SW	0.22		T	0.003	U	T	35		T	0.07		T	0.0002	U	T	0.005	U	T
US-03-SW	0.3		T	0.003	U	T	29		T	0.029		T	0.0002	U	T	0.005	U	T
US-04-SW	0.66	N	T	0.003	U	T	33		T	0.38		T	0.0002	U	T	0.005	U	T
US-05-SW	0.11		T	0.003	U	T	28		T	0.016		T	0.0002	U	T	0.005	U	T

Table H.2 Inorganics in Surface Water (mg/L)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	5		T	0.005	U	T	0.01	U	T	9.6		T	0.01	U	T	0.045		T
SW-02-SW	2.1	=	T	0.005	U	T	0.01	U	T	7.6	=	T	0.01	U	T	0.01	U	T
SW-08-SW	2.2		T	0.005	U	T	0.01	U	T	8.9		T	0.01	U	T	0.01	U	T
SW-08-SW-FD	2.3		T	0.005	U	T	0.01	U	T	9.2		T	0.01	U	T	0.01	U	T
SW-09-SW	1.4		T	0.005	U	T	0.01	U	T	7.6		T	0.01	U	T	0.01	U	T
SW-14-SW	2.4		T	0.005	U	T	0.01	U	T	11		T	0.01	U	T	0.01	U	T
SW-15-SW	2.4		T	0.005	U	T	0.01	U	T	11		T	0.01	U	T	0.01	U	T
SW-16-SW	2.3		T	0.005	U	T	0.01	U	T	11		T	0.01	U	T	0.01	U	T
US-01-SW	1.6		T	0.005	U	T	0.01	U	T	7.7		T	0.01	U	T	0.01	U	T
US-02-SW	3.6		T	0.005	U	T	0.01	U	T	26		T	0.01	U	T	0.01	U	T
US-03-SW	2		T	0.005	U	T	0.01	U	T	7.3		T	0.01	U	T	0.01	U	T
US-04-SW	2.6		T	0.005	U	T	0.01	U	T	12		T	0.01	U	T	0.01	U	T
US-05-SW	2.5		T	0.005	U	T	0.01	U	T	11		T	0.01	U	T	0.01	U	T
Sample ID	**Zinc**																	
	Result	**Q**	**T or D**															
SW-01-SW	0.35		T															
SW-02-SW	0.017	=	T															
SW-08-SW	0.012		T															
SW-08-SW-FD	0.006	U	T															
SW-09-SW	0.006	U	T															
SW-14-SW	0.006	U	T															
SW-15-SW	0.006	U	T															
SW-16-SW	0.006	U	T															
US-01-SW	0.006	U	T															
US-02-SW	0.006	U	T															
US-03-SW	0.006	U	T															
US-04-SW	0.006	U	T															
US-05-SW	0.006	U	T															

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BD1-121704	1		T	0.02	U	T	0.01	U	T	0.18		T	0.0026	U	T	0.002	U	T
GW-BD13-122804	6.8		T	0.02	U	T	0.01		T	0.27		T	0.0026	U	T	0.002	U	T
GW-BD14-122904	0.63		T	0.02	U	T	0.01	U	T	0.35		T	0.0026	U	T	0.002	U	T
GW-BD16-122204	1.3		T	0.02	U	T	0.01	U	T	0.18		T	0.0026	U	T	0.002	U	T
GW-BD2-121604	6.8		T	0.02	U	T	0.019		T	1.3		T	0.0026	U	T	0.0035		T
GW-BD3-121704	3.5		T	0.02	U	T	0.01	U	T	0.58		T	0.0026	U	T	0.002	U	T
GW-BD4-121704	0.18		T	0.02	U	T	0.01	U	T	0.34		T	0.0026	U	T	0.002	U	T
GW-BD5-121504	1.5		T	0.02	U	T	0.01	U	T	0.15		T	0.0026	U	T	0.002	U	T
GW-BD6-121404	1	=	T	0.02	U	T	0.026	=	T	0.17	=	T	0.0026	U	T	0.002	U	T
GW-BD7-121504	0.1	U	T	0.02	U	T	0.01	U	T	0.14		T	0.0026	U	T	0.002	U	T
GW-BD8-122804	0.1	U	T	0.02	U	T	0.019		T	0.11		T	0.0026	U	T	0.002	U	T
GW-BP17-122204	0.1	U	T	0.02	U	T	0.01	U	T	0.13		T	0.0026	U	T	0.002	U	T
GW-BP22A-122804	0.1	U	D	0.02	U	D	0.01	U	D	0.28		D	0.0026	U	D	0.002	U	D
GW-BP22A-122804	2		T	0.02	U	T	0.01	U	T	0.26		T	0.0026	U	T	0.002	U	T
GW-BP22B-122804	0.1	U	D	0.02	U	D	0.01	U	D	0.14		D	0.0026	U	D	0.002	U	D
GW-BP22B-122804	0.32		T	0.02	U	T	0.01	U	T	0.23		T	0.0026	U	T	0.002	U	T
GW-BR10JC-121304	0.58		T	0.02	U	T	0.01	U	T	0.17		T	0.0026	U	T	0.002	U	T
GW-BR10OB-120804	0.44		T	0.02	U	T	0.01	U	T	0.18		T	0.0026	U	T	0.002	U	T
GW-BR10RB-121304	0.1	U	T	0.02	U	T	0.01	U	T	0.1		T	0.0026	U	T	0.002	U	T
GW-BR11JC-121304	0.1	U	T	0.02	U	T	0.01	U	T	0.096		T	0.0026	U	T	0.002	U	T
GW-BR12JC-120804	0.1	U	D	0.02	U	D	0.01	U	D	0.1		D	0.0026	U	D	0.002	U	D
GW-BR12JC-120804	0.1	U	T	0.02	U	T	0.01	U	T	0.1		T	0.0026	U	T	0.002	U	T
GW-BR12RB-120804	0.1	U	D	0.02	U	D	0.01	U	D	0.11		D	0.0026	U	D	0.002	U	D
GW-BR12RB-120804	0.24		T	0.02	U	T	0.01	U	T	0.12		T	0.0026	U	T	0.002	U	T
GW-BR1JC-120604	0.1	U	D	0.02	U	D	0.01	U	D	0.54		D	0.0026	U	D	0.002	U	D
GW-BR1JC-121704	0.32		T	0.02	U	T	0.01	U	T	0.41		T	0.0026	U	T	0.002	U	T
GW-BR1RB-120704	0.1	U	D	0.02	U	D	0.062		D	0.068		D	0.0026	U	D	0.002	U	D
GW-BR1RB-120704	0.1	U	T	0.02	U	T	0.046		T	0.078		T	0.0026	U	T	0.002	U	T
GW-BR2JC-120804	0.26		T	0.02	U	T	0.01	U	T	0.22		T	0.0026	U	T	0.002	U	T
GW-BR2RB-120804	1.1		T	0.02	U	T	0.01	U	T	0.092		T	0.0026	U	T	0.002	U	T
GW-BR3JC-120904	0.3		T	0.02	U	T	0.01	U	T	0.11		T	0.0026	U	T	0.002	U	T
GW-BR3OB-120804	0.75		T	0.02	U	T	0.01	U	T	0.18		T	0.0026	U	T	0.002	U	T
GW-BR3RB-120904	0.1	U	T	0.02	U	T	0.01	U	T	0.065		T	0.0026	U	T	0.002	U	T
GW-BR4JC-121404	0.34	=	T	0.02	U	T	0.01	U	T	0.11	=	T	0.0026	U	T	0.002	U	T
GW-BR4RB-121004	0.1	U	T	0.02	U	T	0.01	U	T	0.1	=	T	0.0026	U	T	0.002	U	T
GW-BR5JC-121304	0.21		T	0.02	U	T	0.01	U	T	0.12		T	0.0026	U	T	0.002	U	T
GW-BR5RB-121004	0.11	=	T	0.02	U	T	0.01	U	T	0.13	=	T	0.0026	U	T	0.002	U	T
GW-BR6OB-120704	0.1	U	D	0.02	U	D	0.01	U	D	0.15		D	0.0026	U	D	0.002	U	D

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR6OB-120704	1.2		T	0.02	U	T	0.01	U	T	0.17		T	0.0026	U	T	0.002	U	T
GW-BR6RB-120704	0.1	U	D	0.02	U	D	0.01	U	D	0.14		D	0.0026	U	D	0.002	U	D
GW-BR6RB-120704	0.1	U	T	0.02	U	T	0.01	U	T	0.13		T	0.0026	U	T	0.002	U	T
GW-BR7JC-121504	0.1	U	T	0.02	U	T	0.01	U	T	0.098		T	0.0026	U	T	0.002	U	T
GW-BR7RB-121404	0.42	=	T	0.02	U	T	0.01	U	T	0.096	=	T	0.0026	U	T	0.002	U	T
GW-BR8JC-120604	0.1	U	T	0.02	U	T	0.015		T	0.31		T	0.0026	U	T	0.002	U	T
GW-BR8OB-120604	0.1	U	T	0.02	U	T	0.01	U	T	0.13		T	0.0026	U	T	0.002	U	T
GW-BR8RB-120704	0.1	U	T	0.02	U	T	0.01	U	T	0.12		T	0.0026	U	T	0.002	U	T
GW-BR9JC-121404	0.1	U	D	0.02	U	D	0.01	U	D	0.2	=	D	0.0026	U	D	0.002	U	D
GW-BR9JC-121404	0.1	U	T	0.02	U	T	0.01	U	T	0.19	=	T	0.0026	U	T	0.002	U	T
GW-CB02-121404	0.1	U	T	0.02	U	T	0.01	U	T	0.39	=	T	0.0026	U	T	0.002	U	T
GW-DM02-122204	0.1	U	T	0.02	U	T	0.01	U	T	0.15		T	0.0026	U	T	0.002	U	T
GW-EP15-121004	0.1	U	T	0.02	U	T	0.01	U	T	0.12	=	T	0.0026	U	T	0.002	U	T
GW-EP16-121304	0.1	U	T	0.02	U	T	0.01	U	T	0.13		T	0.0026	U	T	0.002	U	T
GW-EP20-121504	0.1	U	D	0.02	U	D	0.01	U	D	0.35		D	0.0026	U	D	0.002	U	D
GW-EP20-121504	0.1	U	T	0.02	U	T	0.01	U	T	0.5		T	0.0026	U	T	0.002	U	T
GW-FD1-120704	0.1	U	T	0.02	U	T	0.01	U	T	0.18		T	0.0026	U	T	0.002	U	T
GW-FD2-121304	0.16		T	0.02	U	T	0.01	U	T	0.12		T	0.0026	U	T	0.002	U	T
GW-FD3-121304	0.1	U	T	0.02	U	T	0.01	U	T	0.13		T	0.0026	U	T	0.002	U	T
GW-FD4-121404	0.1	U	D	0.02	U	D	0.01	U	D	0.2	=	D	0.0026	U	D	0.002	U	D
GW-FD4-121404	0.1	U	T	0.02	U	T	0.01	U	T	0.19	=	T	0.0026	U	T	0.002	U	T
GW-FD5-121604	0.1	U	T	0.02	U	T	0.01	U	T	0.11		T	0.0026	U	T	0.002	U	T
GW-FD6-121304	0.58		T	0.02	U	T	0.01	U	T	0.17		T	0.0026	U	T	0.002	U	T
GW-FD7-122004	0.1	U	T	0.02	U	T	0.01	U	T	0.21		T	0.0026	U	T	0.002	U	T
GW-LF08-122104	5.6		T	0.02	U	T	0.01	U	T	0.21		T	0.0026	U	T	0.002	U	T
GW-LF09-122004	0.11		T	0.02	U	T	0.01	U	T	0.22		T	0.0026	U	T	0.002	U	T
GW-NB31-122104	0.1	U	T	0.02	U	T	0.01	U	T	0.06		T	0.0026	U	T	0.002	U	T
GW-NB32-122004	0.28		T	0.02	U	T	0.01	U	T	0.1		T	0.0026	U	T	0.002	U	T
GW-NB33-122104	0.1	U	D	0.02	U	D	0.01	U	D	0.16		D	0.0026	U	D	0.002	U	D
GW-NB33-122104	0.11		T	0.02	U	T	0.01	U	T	0.15		T	0.0026	U	T	0.002	U	T
GW-NB34-120704	0.1	U	T	0.02	U	T	0.01	U	T	0.18		T	0.0026	U	T	0.002	U	T
GW-NB35-122104	1.5		T	0.02	U	T	0.01	U	T	0.25		T	0.0026	U	T	0.002	U	T
GW-NB36-122204	0.1	U	T	0.02	U	T	0.01	U	T	0.17		T	0.0026	U	T	0.002	U	T
GW-NB38-120904	0.1	U	T	0.02	U	T	0.01	U	T	0.16		T	0.0026	U	T	0.002	U	T
GW-NB39-121504	0.1	U	D	0.02	U	D	0.01	U	D	0.16		D	0.0026	U	D	0.002	U	D
GW-NB39-121504	0.1	U	T	0.02	U	T	0.01	U	T	0.16		T	0.0026	U	T	0.002	U	T
GW-NB44-120604	0.1	U	D	0.02	U	D	0.01	U	D	0.18		D	0.0026	U	D	0.002	U	D
GW-NB44-120604	0.19		T	0.02	U	T	0.01	U	T	0.17		T	0.0026	U	T	0.002	U	T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB46-121004	0.1	U	T	0.02	U	T	0.01	U	T	0.18		T	0.0026	U	T	0.002	U	T
GW-NB50-121604	0.21		T	0.02	U	T	0.01	U	T	0.17		T	0.0026	U	T	0.002	U	T
GW-NB54-122004	0.1	U	D	0.02	U	D	0.01	U	D	0.22		D	0.0026	U	D	0.002	U	D
GW-NB54-122004	1.7		T	0.02	U	T	0.01	U	T	0.23		T	0.0026	U	T	0.002	U	T
GW-NB56-121604	0.1	U	T	0.02	U	T	0.01	U	T	0.16		T	0.0026	U	T	0.002	U	T
GW-NB57A-121404	0.1	U	T	0.02	U	T	0.01	U	T	0.15	=	T	0.0026	U	T	0.002	U	T
GW-NB57B-121504	0.1	U	T	0.02	U	T	0.01	U	T	0.17		T	0.0026	U	T	0.002	U	T
GW-NB61-122204	0.1	U	D	0.02	U	D	0.01	U	D	0.2		D	0.0026	U	D	0.002	U	D
GW-NB61-122204	0.1	U	T	0.02	U	T	0.01	U	T	0.21		T	0.0026	U	T	0.002	U	T
GW-NB63-120704	0.15		T	0.02	U	T	0.01	U	T	0.16		T	0.0026	U	T	0.002	U	T
GW-NB64-122104	0.1	U	T	0.02	U	T	0.01	U	T	0.18		T	0.0026	U	T	0.002	U	T
GW-NB65-122004	0.1	U	T	0.02	U	T	0.01	U	T	0.23		T	0.0026	U	T	0.002	U	T
GW-NB66-120604	1.1		T	0.02	U	T	0.01	U	T	0.19		T	0.0026	U	T	0.002	U	T
GW-NB67-120704	0.1	U	D	0.02	U	D	0.01	U	D	0.15		D	0.0026	U	D	0.002	U	D
GW-NB67-120704	0.1	U	T	0.02	U	T	0.01	U	T	0.16		T	0.0026	U	T	0.002	U	T
GW-NB71-121304	0.1	U	T	0.02	U	T	0.01	U	T	0.15		T	0.0026	U	T	0.002	U	T
GW-NB72-122104	0.1	U	T	0.02	U	T	0.01	U	T	0.3		T	0.0026	U	T	0.002	U	T
GW-NB73-122004	0.38		T	0.02	U	T	0.01	U	T	0.15		T	0.0026	U	T	0.002	U	T
GW-NB74-121304	0.15		T	0.02	U	T	0.01	U	T	0.28		T	0.0026	U	T	0.002	U	T
GW-NB77-122004	0.1	U	T	0.02	U	T	0.01	U	T	0.18		T	0.0026	U	T	0.002	U	T
GW-NB78-122104	0.11		T	0.02	U	T	0.01	U	T	0.22		T	0.0026	U	T	0.002	U	T
GW-NB79-121704	0.1	U	T	0.02	U	T	0.01	U	T	0.22		T	0.0026	U	T	0.002	U	T
GW-NB80-121704	0.1	U	T	0.02	U	T	0.021		T	0.2		T	0.0026	U	T	0.002	U	T
GW-NB81-120904	0.1	U	T	0.02	U	T	0.01	U	T	0.31		T	0.0026	U	T	0.002	U	T
GW-NB82-121004	0.1	U	T	0.02	U	T	0.01	U	T	0.1	=	T	0.0026	U	T	0.002	U	T
GW-NB83-120904	0.1	U	T	0.02	U	T	0.016		T	0.29		T	0.0026	U	T	0.002	U	T
GW-NB84-120804	0.13		T	0.02	U	T	0.01	U	T	0.38		T	0.0026	U	T	0.002	U	T
GW-NB85-120804	0.27		T	0.02	U	T	0.01	U	T	0.11		T	0.0026	U	T	0.002	U	T
GW-NB86-120804	0.46		T	0.02	U	T	0.01	U	T	0.2		T	0.0026	U	T	0.002	U	T
GW-OA19-122104	0.1	U	T	0.02	U	T	0.01	U	T	0.14		T	0.0026	U	T	0.002	U	T
GW-OB1-121404	0.36	=	T	0.02	U	T	0.01	U	T	0.1	=	T	0.0026	U	T	0.002	U	T
GW-OB2-121404	4.3	=	T	0.02	U	T	0.01	U	T	0.17	=	T	0.0026	U	T	0.002	U	T
GW-PL04-122204	0.78		T	0.02	U	T	0.01	U	T	0.21		T	0.0026	U	T	0.002	U	T
GW-PL06-121504	0.1	U	T	0.02	U	T	0.01	U	T	0.13		T	0.0026	U	T	0.002	U	T
GW-PZ3-121704	0.1	U	T	0.02	U	T	0.014		T	0.24		T	0.0026	U	T	0.002	U	T
GW-PZ4-121304	0.17		T	0.02	U	T	0.023		T	0.13		T	0.0026	U	T	0.002	U	T
GW-RR05-120904	0.1	U	T	0.02	U	T	0.01	U	T	0.13		T	0.0026	U	T	0.002	U	T
GW-SW07-121004	0.6	=	T	0.02	U	T	0.01	U	T	0.2	=	T	0.0026	U	T	0.002	U	T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS14-121604	0.75		T	0.02	U	T	0.01	U	T	0.21		T	0.0026	U	T	0.002	U	T
GW-WS15-121604	1.7		T	0.02	U	T	0.01	U	T	0.044		T	0.0026	U	T	0.002	U	T
GW-WS16-121604	0.85		T	0.02	U	T	0.01	U	T	0.088		T	0.0026	U	T	0.002	U	T
GW-WS17B-121704	0.2		T	0.02	U	T	0.01	U	T	0.092		T	0.0026	U	T	0.002	U	T
GW-WS22-121304	0.1	U	T	0.02	U	T	0.01	U	T	0.093		T	0.0026	U	T	0.002	U	T
GW-WS23-121304	16		T	0.02	U	T	0.13		T	0.24		T	0.0026	U	T	0.002	U	T
GW-WS24-121504	0.22		T	0.02	U	T	0.01	U	T	0.15		T	0.0026	U	T	0.002	U	T
GW-WS25-121504	3		T	0.02	U	T	0.061		T	0.37		T	0.0026	U	T	0.002	U	T
GW-WS26-121504	0.54		T	0.02	U	T	0.01	U	T	0.027		T	0.0026	U	T	0.002	U	T
GW-WS27-121504	0.33		T	0.02	U	T	0.01	U	T	0.097		T	0.0026	U	T	0.002	U	T
GW-WS28-121604	0.62		T	0.02	U	T	0.01	U	T	0.08		T	0.0026	U	T	0.002	U	T
GW-WS29-121604	0.17		T	0.02	U	T	0.013		T	0.23		T	0.0026	U	T	0.002	U	T
GW-WS30-121604	0.1	U	T	0.02	U	T	0.01	U	T	0.057		T	0.0026	U	T	0.002	U	T
GW-WS31-121604	0.1	U	T	0.02	U	T	0.01	U	T	0.11		T	0.0026	U	T	0.002	U	T
GW-WS32-121704	2.6		T	0.02	U	T	0.01	U	T	0.19		T	0.0026	U	T	0.002	U	T
GW-WS34-121404	0.1	U	T	0.02	U	T	0.01	U	T	0.3	=	T	0.0026	U	T	0.002	U	T
GW-WS7-121304	0.1	U	T	0.02	U	T	0.01	U	T	0.083		T	0.0026	U	T	0.002	U	T
GW-WS8-120904	2.8		T	0.02	U	T	0.01	U	T	0.1		T	0.0026	U	T	0.002	U	T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Calcium			Chloride			Chromium			Cobalt			Copper			Iron		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BD1-121704	96		T	360		T	0.004	U	T	0.0022		T	0.01	U	T	0.82		T
GW-BD13-122804	58		T	67		T	0.021		T	0.0044		T	0.019		T	17		T
GW-BD14-122904	82		T	160		T	0.004	U	T	0.002	U	T	0.01	U	T	29		T
GW-BD16-122204	98		T	38		T	0.004	U	T	0.002	U	T	0.01	U	T	1.9		T
GW-BD2-121604	260		T	430		T	0.021		T	0.011		T	0.039		T	38		T
GW-BD3-121704	120		T	280		T	0.004	U	T	0.042		T	0.029		T	15		T
GW-BD4-121704	90		T	160		T	0.004	U	T	0.002	U	T	0.01	U	T	2.9		T
GW-BD5-121504	78		T	88		T	0.004	U	T	0.0038		T	0.01	U	T	2.5		T
GW-BD6-121404	130	=	T	110		T	0.004	U	T	0.002	=	T	0.01	U	T	4.1	=	T
GW-BD7-121504	24		T	62		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-BD8-122804	110		T	78		T	0.004	U	T	0.0066		T	0.01	U	T	0.87		T
GW-BP17-122204	160		T	22		T	0.004	U	T	0.002	U	T	0.01	U	T	7.4		T
GW-BP22A-122804	52		D				0.004	U	D	0.0035		D	0.01	U	D	10		D
GW-BP22A-122804	42		T	30		T	0.006		T	0.0057		T	0.01	U	T	9.4		T
GW-BP22B-122804	25		D				0.004	U	D	0.002	U	D	0.01	U	D	0.45		D
GW-BP22B-122804	24		T	5.6		T	0.004	U	T	0.002	U	T	0.01	U	T	1.1		T
GW-BR10JC-121304	74		T	14		T	0.004	U	T	0.002	U	T	0.01	U	T	0.52		T
GW-BR10OB-120804	90		T	24		T	0.004	U	T	0.002	U	T	0.01	U	T	2.4		T
GW-BR10RB-121304	57		T	1.6		T	0.004	U	T	0.002	U	T	0.01	U	T	0.36		T
GW-BR11JC-121304	56		T	2.3		T	0.004	U	T	0.002	U	T	0.01	U	T	0.11		T
GW-BR12JC-120804	67		D				0.004	U	D	0.002	U	D	0.01	U	D	0.17		D
GW-BR12JC-120804	67		T	2.1		T	0.004	U	T	0.002	U	T	0.01	U	T	0.21		T
GW-BR12RB-120804	63		D				0.004	U	D	0.002	U	D	0.01	U	D	0.1	U	D
GW-BR12RB-120804	72		T	1.6		T	0.004	U	T	0.002	U	T	0.01	U	T	0.42		T
GW-BR1JC-120604	51		D				0.004	U	D	0.002	U	D	0.01	U	D	0.96		D
GW-BR1JC-121704	63		T	22		T	0.004	U	T	0.002	U	T	0.01	U	T	2.1		T
GW-BR1RB-120704	74		D				0.004	U	D	0.002	U	D	0.01	U	D	0.1	U	D
GW-BR1RB-120704	68		T	4.8		T	0.004	U	T	0.002	U	T	0.01	U	T	0.11		T
GW-BR2JC-120804	69		T	1.6		T	0.004	U	T	0.002	U	T	0.01	U	T	1.7		T
GW-BR2RB-120804	63		T	1.7		T	0.004	U	T	0.002	U	T	0.01	U	T	0.6		T
GW-BR3JC-120904	66		T	5.1		T	0.004	U	T	0.002	U	T	0.01	U	T	0.49		T
GW-BR3OB-120804	71		T	24		T	0.004	U	T	0.002	U	T	0.01	U	T	1.4		T
GW-BR3RB-120904	79		T	2.1		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-BR4JC-121404	66	=	T	3.4		T	0.004	U	T	0.002	U	T	0.01	U	T	0.19	U	T
GW-BR4RB-121004	59	=	T	1.8	U	T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-BR5JC-121304	71		T	2.6		T	0.004	U	T	0.0022		T	0.01	U	T	0.47		T
GW-BR5RB-121004	64	=	T	1.6	U	T	0.004	U	T	0.002	U	T	0.01	U	T	0.46	=	T
GW-BR6OB-120704	62		D				0.004	U	D	0.002	U	D	0.01	U	D	0.1	U	D

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Calcium			Chloride			Chromium			Cobalt			Copper			Iron		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR6OB-120704	64		T	30		T	0.004	U	T	0.002	U	T	0.01	U	T	1.8		T
GW-BR6RB-120704	72		D				0.004	U	D	0.002	U	D	0.01	U	D	0.24		D
GW-BR6RB-120704	73		T	12		T	0.004	U	T	0.002	U	T	0.01	U	T	0.51		T
GW-BR7JC-121504	84		T	7.2		T	0.004	U	T	0.002	U	T	0.01	U	T	0.24		T
GW-BR7RB-121404	56	=	T	1.2		T	0.004	U	T	0.002	U	T	0.01	U	T	0.74	=	T
GW-BR8JC-120604	70		T	34		T	0.004	U	T	0.0071		T	0.01	U	T	4.1		T
GW-BR8OB-120604	74		T	10		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-BR8RB-120704	72		T	10		T	0.004	U	T	0.002	U	T	0.01	U	T	0.45		T
GW-BR9JC-121404	82	=	D				0.004	U	D	0.0055	=	D	0.01	U	D	0.1	U	D
GW-BR9JC-121404	81	=	T	30		T	0.004	U	T	0.0053	=	T	0.01	U	T	0.1	U	T
GW-CB02-121404	110	=	T	81		T	0.004	U	T	0.002	U	T	0.01	U	T	16	=	T
GW-DM02-122204	140		T	58		T	0.004	U	T	0.003		T	0.01	U	T	1.7		T
GW-EP15-121004	38	=	T	7.9		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-EP16-121304	37		T	7.8		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-EP20-121504	95		D				0.004	U	D	0.0024		D	0.01	U	D	0.1	U	D
GW-EP20-121504	140		T	16		T	0.004	U	T	0.0072		T	0.01	U	T	0.1	U	T
GW-FD1-120704	62		T	27		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-FD2-121304	71		T	2.7		T	0.004	U	T	0.002	U	T	0.01	U	T	0.37		T
GW-FD3-121304	36		T	7.8		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-FD4-121404	81	=	D				0.004	U	D	0.0055	=	D	0.01	U	D	0.1	U	D
GW-FD4-121404	81	=	T	30		T	0.004	U	T	0.0053	=	T	0.01	U	T	0.1	U	T
GW-FD5-121604	70		T	13		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-FD6-121304	74		T	14		T	0.004	U	T	0.002	U	T	0.01	U	T	0.61		T
GW-FD7-122004	57		T	59		T	0.004	U	T	0.0036		T	0.01	U	T	1.1		T
GW-LF08-122104	50		T	6.7		T	0.025		T	0.0041		T	0.01	U	T	12		T
GW-LF09-122004	58		T	59		T	0.004	U	T	0.0036		T	0.01	U	T	1.2		T
GW-NB31-122104	41		T	9.5		T	0.004	U	T	0.002	U	T	0.01	U	T	0.2		T
GW-NB32-122004	51		T	11		T	0.004	U	T	0.002	U	T	0.01	U	T	3.6		T
GW-NB33-122104	32		D				0.004	U	D	0.0034		D	0.01	U	D	3.2		D
GW-NB33-122104	30		T	2.1		T	0.004	U	T	0.0043		T	0.01	U	T	2		T
GW-NB34-120704	62		T	27		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-NB35-122104	39		T	20		T	0.004	U	T	0.002	U	T	0.01	U	T	17		T
GW-NB36-122204	43		T	14		T	0.004	U	T	0.002	U	T	0.01	U	T	12		T
GW-NB38-120904	21		T	2.5		T	0.004	U	T	0.0047		T	0.01	U	T	8.7		T
GW-NB39-121504	36		D				0.004	U	D	0.002	U	D	0.01	U	D	9.6		D
GW-NB39-121504	36		T	16		T	0.004	U	T	0.002	U	T	0.01	U	T	9.2		T
GW-NB44-120604	69		D				0.004	U	D	0.002	U	D	0.01	U	D	5.2		D
GW-NB44-120604	68		T	50		T	0.004	U	T	0.0021		T	0.01	U	T	5.1		T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Calcium			Chloride			Chromium			Cobalt			Copper			Iron		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB46-121004	62		T	22		T	0.004	U	T	0.002	U	T	0.01	U	T	5.5		T
GW-NB50-121604	87		T	52		T	0.004	U	T	0.002	U	T	0.01	U	T	2.8		T
GW-NB54-122004	75		D				0.004	U	D	0.002	U	D	0.01	U	D	8.3		D
GW-NB54-122004	72		T	46		T	0.007		T	0.002	U	T	0.01	U	T	9.9		T
GW-NB56-121604	52		T	28		T	0.004	U	T	0.002	U	T	0.01	U	T	4		T
GW-NB57A-121404	69	=	T	30		T	0.004	U	T	0.002	U	T	0.01	U	T	3.2	=	T
GW-NB57B-121504	83		T	42		T	0.004	U	T	0.0021		T	0.01	U	T	0.1	U	T
GW-NB61-122204	27		D				0.004	U	D	0.002	U	D	0.01	U	D	20		D
GW-NB61-122204	26		T	8.1		T	0.004	U	T	0.002	U	T	0.01	U	T	20		T
GW-NB63-120704	61		T	19		T	0.004	U	T	0.002	U	T	0.01	U	T	0.23		T
GW-NB64-122104	77		T	19		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-NB65-122004	89		T	21		T	0.004	U	T	0.002	U	T	0.01	U	T	0.13		T
GW-NB66-120604	60		T	22		T	0.004	U	T	0.002	U	T	0.01	U	T	5		T
GW-NB67-120704	72		D				0.004	U	D	0.002	U	D	0.01	U	D	0.1	U	D
GW-NB67-120704	72		T	28		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-NB71-121304	51		T	7.5		T	0.004	U	T	0.002	U	T	0.01	U	T	6.7		T
GW-NB72-122104	63		T	41		T	0.004	U	T	0.002	U	T	0.01	U	T	24		T
GW-NB73-122004	83		T	32		T	0.004	U	T	0.002	U	T	0.01	U	T	0.43		T
GW-NB74-121304	59		T	99		T	0.004	U	T	0.002	U	T	0.01	U	T	28		T
GW-NB77-122004	75		T	27		T	0.004	U	T	0.002	U	T	0.01	U	T	0.17		T
GW-NB78-122104	100		T	11		T	0.004	U	T	0.002	U	T	0.01	U	T	0.29		T
GW-NB79-121704	63		T	4.5		T	0.004	U	T	0.0024		T	0.01	U	T	9.4		T
GW-NB80-121704	64		T	3.1		T	0.004	U	T	0.002	U	T	0.01	U	T	7.2		T
GW-NB81-120904	19		T	1.8		T	0.004	U	T	0.002	U	T	0.01	U	T	34		T
GW-NB82-121004	66	=	T	9.3		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-NB83-120904	42		T	3.2		T	0.004	U	T	0.0029		T	0.01	U	T	6.4		T
GW-NB84-120804	63		T	72		T	0.004	U	T	0.0055		T	0.01	U	T	6.4		T
GW-NB85-120804	80		T	40		T	0.004	U	T	0.002	U	T	0.01	U	T	4.3		T
GW-NB86-120804	82		T	20		T	0.004	U	T	0.0022		T	0.01	U	T	2.7		T
GW-OA19-122104	83		T	95		T	0.004	U	T	0.002	U	T	0.01	U	T	0.54		T
GW-OB1-121404	170	=	T	280		T	0.004	U	T	0.002	U	T	0.01	U	T	0.32	U	T
GW-OB2-121404	25	=	T	3.3		T	0.0059	=	T	0.002	U	T	0.01	U	T	3.9	=	T
GW-PL04-122204	33		T	15		T	0.004	U	T	0.002	U	T	0.01	U	T	21		T
GW-PL06-121504	52		T	78		T	0.004	U	T	0.002	U	T	0.01	U	T	0.24		T
GW-PZ3-121704	82		T	71		T	0.004	U	T	0.002	U	T	0.01	U	T	16		T
GW-PZ4-121304	77		T	8.8		T	0.004	U	T	0.002	U	T	0.01	U	T	3.9		T
GW-RR05-120904	53		T	13		T	0.004	U	T	0.002	U	T	0.01	U	T	0.58		T
GW-SW07-121004	56	=	T	28		T	0.004	U	T	0.002	U	T	0.02	=	T	6.2	=	T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Calcium			Chloride			Chromium			Cobalt			Copper			Iron		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS14-121604	19		T	11		T	0.004	U	T	0.002	U	T	0.01	U	T	0.43		T
GW-WS15-121604	50		T	3		T	0.004	U	T	0.0028		T	0.028		T	2.4		T
GW-WS16-121604	9.6		T	2.1		T	0.0061		T	0.002	U	T	0.01	U	T	0.85		T
GW-WS17B-121704	30		T	29		T	0.004	U	T	0.002	U	T	0.01	U	T	0.16		T
GW-WS22-121304	13		T	16		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-WS23-121304	61		T	28		T	0.037		T	0.007		T	0.033		T	25		T
GW-WS24-121504	140		T	15		T	0.004	U	T	0.002	U	T	0.01	U	T	0.26		T
GW-WS25-121504	97		T	10		T	0.013		T	0.01		T	0.01	U	T	25		T
GW-WS26-121504	89		T	15		T	0.004	U	T	0.002	U	T	0.01	U	T	0.58		T
GW-WS27-121504	110		T	14		T	0.004	U	T	0.002	U	T	0.01	U	T	0.71		T
GW-WS28-121604	17		T	2.4		T	0.004	U	T	0.002	U	T	0.01	U	T	0.5		T
GW-WS29-121604	44		T	23		T	0.004	U	T	0.002	U	T	0.01	U	T	18		T
GW-WS30-121604	6.7		T	35		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-WS31-121604	70		T	13		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-WS32-121704	44		T	26		T	0.0069		T	0.002	U	T	0.01	U	T	18		T
GW-WS34-121404	95	=	T	83		T	0.004	U	T	0.002	U	T	0.01	U	T	14	=	T
GW-WS7-121304	45		T	5.8		T	0.004	U	T	0.002	U	T	0.01	U	T	0.1	U	T
GW-WS8-120904	17		T	0.88		T	0.004	U	T	0.002	U	T	0.01	U	T	2.4		T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Lead			Magnesium			Manganese			Mercury			Nickel			Nitrate as N		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BD1-121704	0.003	U	T	53		T	0.77		T	0.0002	U	T	0.0091		T	67		T
GW-BD13-122804	0.034		T	29		T	3		T	0.0002	U	T	0.011		T	0.3		T
GW-BD14-122904	0.003	U	T	35		T	3		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BD16-122204	0.003	U	T	32		T	2.5		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BD2-121604	0.043		T	130		T	13		T	0.0002	U	T	0.08		T	290		T
GW-BD3-121704	0.034		T	58		T	2.4		T	0.0002	U	T	0.03		T	3.8		T
GW-BD4-121704	0.003	U	T	44		T	2		T	0.0002	U	T	0.012		T	37		T
GW-BD5-121504	0.003	U	T	22		T	0.39		T	0.0002	U	T	0.097		T	2.6		T
GW-BD6-121404	0.0033	=	T	43	=	T	1.5	=	T	0.0002	U	T	0.034	=	T	0.2	U	T
GW-BD7-121504	0.003	U	T	2.2		T	0.097		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BD8-122804	0.003	U	T	37		T	2		T	0.0002	U	T	0.15		T	0.2	U	T
GW-BP17-122204	0.003	U	T	51		T	4.1		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BP22A-122804	0.003	U	D	25		D	3.2		D	0.0002	U	D	0.013		D			
GW-BP22A-122804	0.0043		T	21		T	2.6		T	0.0002	U	T	0.011		T	0.2	U	T
GW-BP22B-122804	0.003	U	D	12		D	0.33		D	0.0002	U	D	0.0055		D			
GW-BP22B-122804	0.003	U	T	12		T	0.23		T	0.0002	U	T	0.0051		T	1		T
GW-BR10JC-121304	0.003	U	T	35		T	0.28		T	0.0002	U	T	0.014		T	0.2	U	T
GW-BR10OB-120804	0.003	U	T	42		T	0.43		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR10RB-121304	0.003	U	T	29		T	0.017		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR11JC-121304	0.003	U	T	30		T	0.01		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR12JC-120804	0.003	U	D	34		D	0.0095		D	0.0002	U	D	0.005	U	D			
GW-BR12JC-120804	0.003	U	T	34		T	0.011		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR12RB-120804	0.003	U	D	31		D	0.0049		D	0.0002	U	D	0.005	U	D			
GW-BR12RB-120804	0.003	U	T	34		T	0.013		T	0.0002	U	T	0.005	U	T	1.6		T
GW-BR1JC-120604	0.003	U	D	44		D	0.013		D	0.0002	U	D	0.005	U	D			
GW-BR1JC-121704	0.003	U	T	52		T	0.027		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR1RB-120704	0.003	U	D	36		D	0.0044		D	0.0002	U	D	0.005	U	D			
GW-BR1RB-120704	0.003	U	T	33		T	0.0066		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR2JC-120804	0.003	U	T	37		T	0.023		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR2RB-120804	0.003	U	T	31		T	0.0073		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR3JC-120904	0.003	U	T	36		T	0.092		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR3OB-120804	0.003	U	T	35		T	0.34		T	0.0002	U	T	0.005	U	T	0.97		T
GW-BR3RB-120904	0.003	U	T	39		T	0.0037		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR4JC-121404	0.003	U	T	33	=	T	0.013	U	T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR4RB-121004	0.003	U	T	29	=	T	0.0024	U	T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR5JC-121304	0.003	U	T	35		T	0.08		T	0.0002	U	T	0.0055		T	0.2		T
GW-BR5RB-121004	0.003	U	T	31	=	T	0.0072	U	T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR6OB-120704	0.003	U	D	31		D	0.06		D	0.0002	U	D	0.005	U	D			

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Lead			Magnesium			Manganese			Mercury			Nickel			Nitrate as N		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR6OB-120704	0.003	U	T	32		T	0.096		T	0.0002	U	T	0.005	U	T	0.76		T
GW-BR6RB-120704	0.003	U	D	36		D	0.0079		D	0.0002	U	D	0.005	U	D			
GW-BR6RB-120704	0.003	U	T	36		T	0.014		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR7JC-121504	0.003	U	T	51		T	0.027		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR7RB-121404	0.003	U	T	28	=	T	0.011	U	T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-BR8JC-120604	0.003	U	T	29		T	0.28		T	0.0002	U	T	0.047		T	1.4		T
GW-BR8OB-120604	0.003	U	T	36		T	0.0056		T	0.0002	U	T	0.005	U	T	1.7		T
GW-BR8RB-120704	0.003	U	T	35		T	0.0056		T	0.0002	U	T	0.005	U	T	1		T
GW-BR9JC-121404	0.003	U	D	39	=	D	0.063	=	D	0.0002	U	D	0.025	=	D			
GW-BR9JC-121404	0.003	U	T	39	=	T	0.062	=	T	0.0002	U	T	0.025	=	T	1.1		T
GW-CB02-121404	0.003	U	T	59	=	T	3.3	=	T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-DM02-122204	0.003	U	T	46		T	2		T	0.0002	U	T	0.0076		T	0.2	U	T
GW-EP15-121004	0.003	U	T	21	=	T	0.095	=	T	0.0002	U	T	0.0059	=	T	0.97		T
GW-EP16-121304	0.003	U	T	21		T	0.029		T	0.0002	U	T	0.005	U	T	0.97		T
GW-EP20-121504	0.003	U	D	46		D	1.8		D	0.0002	U	D	0.048		D			
GW-EP20-121504	0.003	U	T	72		T	2		T	0.0002	U	T	0.045		T	90		T
GW-FD1-120704	0.003	U	T	29		T	1.9		T	0.0002	U	T	0.0072		T	17		T
GW-FD2-121304	0.003	U	T	35		T	0.058		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-FD3-121304	0.003	U	T	21		T	0.029		T	0.0002	U	T	0.005	U	T	0.97		T
GW-FD4-121404	0.003	U	D	39	=	D	0.062	=	D	0.0002	U	D	0.025	=	D			
GW-FD4-121404	0.003	U	T	39	=	T	0.062	=	T	0.0002	U	T	0.025	=	T	0.2	U	T
GW-FD5-121604	0.003	U	T	33		T	0.0059		T	0.0002	U	T	0.01		T	0.2	U	T
GW-FD6-121304	0.0032		T	35		T	0.28		T	0.0002	U	T	0.014		T	0.2	U	T
GW-FD7-122004	0.003	U	T	27		T	3		T	0.0002	U	T	0.0063		T	0.2	U	T
GW-LF08-122104	0.02		T	26		T	0.5		T	0.0002	U	T	0.011		T	1.6		T
GW-LF09-122004	0.003	U	T	28		T	2.9		T	0.0002	U	T	0.0065		T	0.2	U	T
GW-NB31-122104	0.003	U	T	21		T	0.69		T	0.0002	U	T	0.01		T	0.2	U	T
GW-NB32-122004	0.003	U	T	23		T	1.2		T	0.0002	U	T	0.0093		T	0.2	U	T
GW-NB33-122104	0.003	U	D	18		D	1.6		D	0.0002	U	D	0.007		D			
GW-NB33-122104	0.003	U	T	18		T	1.1		T	0.0002	U	T	0.008		T	0.2	U	T
GW-NB34-120704	0.003	U	T	29		T	1.9		T	0.0002	U	T	0.0074		T	17		T
GW-NB35-122104	0.003	U	T	19		T	1.5		T	0.0002	U	T	0.023		T	0.2	U	T
GW-NB36-122204	0.003	U	T	21		T	1.8		T	0.0002	U	T	0.0076		T	0.2	U	T
GW-NB38-120904	0.003	U	T	8.8		T	1.2		T	0.0002	U	T	0.0066		T	0.2	U	T
GW-NB39-121504	0.003	U	D	17		D	1.8		D	0.0002	U	D	0.0065		D			
GW-NB39-121504	0.003	U	T	18		T	1.7		T	0.0002	U	T	0.0061		T	0.2	U	T
GW-NB44-120604	0.003	U	D	33		D	1.3		D	0.0002	U	D	0.005	U	D			
GW-NB44-120604	0.003	U	T	32		T	1.2		T	0.0002	U	T	0.005	U	T	0.33		T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Lead			Magnesium			Manganese			Mercury			Nickel			Nitrate as N		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB46-121004	0.003	U	T	30		T	1.8		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-NB50-121604	0.0033		T	39		T	0.52		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-NB54-122004	0.003	U	D	39		D	1.4		D	0.0002	U	D	0.005	U	D			
GW-NB54-122004	0.017		T	38		T	1.4		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-NB56-121604	0.003	U	T	22		T	1.7		T	0.0002	U	T	0.005	U	T	0.22		T
GW-NB57A-121404	0.003	U	T	37	=	T	0.92	=	T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-NB57B-121504	0.003	U	T	44		T	1.4		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-NB61-122204	0.003	U	D	10		D	3		D	0.0002	U	D	0.005	U	D			
GW-NB61-122204	0.003	U	T	10		T	3		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-NB63-120704	0.003	U	T	29		T	0.06		T	0.0002	U	T	0.005	U	T	4.5		T
GW-NB64-122104	0.003	U	T	35		T	0.0036		T	0.0002	U	T	0.012		T	1.7		T
GW-NB65-122004	0.003	U	T	38		T	0.0062		T	0.0002	U	T	0.005	U	T	2.9		T
GW-NB66-120604	0.0082		T	31		T	0.18		T	0.0002	U	T	0.005	U	T	2.4		T
GW-NB67-120704	0.003	U	D	36		D	0.019		D	0.0002	U	D	0.005	U	D			
GW-NB67-120704	0.003	U	T	36		T	0.084		T	0.0002	U	T	0.005	U	T	2.2		T
GW-NB71-121304	0.003	U	T	19		T	2.7		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-NB72-122104	0.003	U	T	24		T	1.8		T	0.0002	U	T	0.062		T	0.2	U	T
GW-NB73-122004	0.003	U	T	38		T	0.25		T	0.0002	U	T	0.005	U	T	1.2		T
GW-NB74-121304	0.003	U	T	27		T	3		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-NB77-122004	0.003	U	T	35		T	0.067		T	0.0002	U	T	0.005		T	2.2		T
GW-NB78-122104	0.003	U	T	47		T	0.012		T	0.0002	U	T	0.0093		T	2.6		T
GW-NB79-121704	0.003	U	T	31		T	0.94		T	0.0002	U	T	0.031		T	0.2	U	T
GW-NB80-121704	0.003	U	T	30		T	0.84		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-NB81-120904	0.003	U	T	9		T	2.9		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-NB82-121004	0.003	U	T	34	U	T	0.0046	U	T	0.0002	U	T	0.005	U	T	1.8		T
GW-NB83-120904	0.003	U	T	20		T	3.3		T	0.0002	U	T	0.005	U	T	0.23		T
GW-NB84-120804	0.003	U	T	31		T	2.9		T	0.0002	U	T	0.0082		T	0.2	U	T
GW-NB85-120804	0.0045		T	47		T	0.67		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-NB86-120804	0.003	U	T	37		T	1.1		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-OA19-122104	0.003	U	T	28		T	2		T	0.0002	U	T	0.011		T	0.2	U	T
GW-OB1-121404	0.003	U	T	51	=	T	1.8	=	T	0.0002	U	T	0.016	=	T	0.4	U	T
GW-OB2-121404	0.0057	=	T	15	=	T	0.09	=	T	0.0002	U	T	0.011	=	T	0.2	U	T
GW-PL04-122204	0.003	U	T	14		T	3		T	0.0002	U	T	0.011		T	0.2	U	T
GW-PL06-121504	0.003	U	T	29		T	0.45		T	0.0002	U	T	0.005	U	T	4.8		T
GW-PZ3-121704	0.003	U	T	30		T	1.7		T	0.0002	U	T	0.067		T	0.2	U	T
GW-PZ4-121304	0.003	U	T	34		T	0.19		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-RR05-120904	0.003	U	T	30		T	0.54		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-SW07-121004	0.0058	=	T	27	=	T	1.7	=	T	0.0002	U	T	0.0065	=	T	0.2	U	T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Lead			Magnesium			Manganese			Mercury			Nickel			Nitrate as N		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS14-121604	0.0037		T	8.6		T	0.044		T	0.0002	U	T	0.0078		T	1.8		T
GW-WS15-121604	0.003	U	T	28		T	0.064		T	0.0002	U	T	0.0074		T	0.66		T
GW-WS16-121604	0.003	U	T	5		T	0.015		T	0.0002	U	T	0.005	U	T	0.98		T
GW-WS17B-121704	0.003	U	T	14		T	0.022		T	0.0002	U	T	0.008		T	3.3		T
GW-WS22-121304	0.003	U	T	6.7		T	0.031		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-WS23-121304	0.059		T	30		T	3.5		T	0.0002	U	T	0.02		T	0.2	U	T
GW-WS24-121504	0.003	U	T	33		T	0.087		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-WS25-121504	0.031		T	48		T	0.81		T	0.0002	U	T	0.036		T	0.2	U	T
GW-WS26-121504	0.003	U	T	87		T	0.039		T	0.0002	U	T	0.005	U	T	3.1		T
GW-WS27-121504	0.003	U	T	41		T	0.25		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-WS28-121604	0.003	U	T	7.8		T	0.035		T	0.0002	U	T	0.005	U	T	1.3		T
GW-WS29-121604	0.003	U	T	17		T	4.3		T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-WS30-121604	0.003	U	T	24		T	0.0036		T	0.0002	U	T	0.0089		T	0.2	U	T
GW-WS31-121604	0.003	U	T	33		T	0.0071		T	0.0002	U	T	0.0099		T	0.2	U	T
GW-WS32-121704	0.0075		T	17		T	2.7		T	0.0002	U	T	0.02		T	0.2	U	T
GW-WS34-121404	0.003	U	T	47	=	T	2.9	=	T	0.0002	U	T	0.005	U	T	0.2	U	T
GW-WS7-121304	0.003	U	T	23		T	0.0014		T	0.0002	U	T	0.005	U	T	2.2		T
GW-WS8-120904	0.0075		T	7.6		T	0.04		T	0.0002	U	T	0.0062		T	0.75		T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Potassium			Selenium			Silver			Sodium			Sulfate			Thallium		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BD1-121704	3.1		T	0.005	U	T	0.01	U	T	150		T	60		T	0.011		T
GW-BD13-122804	2.6		T	0.005	U	T	0.01	U	T	14		T	31		T	0.01	U	T
GW-BD14-122904	1.9		T	0.005	U	T	0.01	U	T	29		T	58		T	0.01	U	T
GW-BD16-122204	3		T	0.005	U	T	0.01	U	T	47		T	92		T	0.01	U	T
GW-BD2-121604	17		T	0.005	U	T	0.01	U	T	190		T	41		T	0.026		T
GW-BD3-121704	2.6		T	0.005	U	T	0.01	U	T	48		T	26		T	0.01	U	T
GW-BD4-121704	1.7		T	0.005	U	T	0.01	U	T	64		T	45		T	0.01	U	T
GW-BD5-121504	1.9		T	0.005	U	T	0.01	U	T	43		T	60		T	0.01	U	T
GW-BD6-121404	1.7	=	T	0.005	U	T	0.01	U	T	12	=	T	25		T	0.01	U	T
GW-BD7-121504	8.8		T	0.005	U	T	0.01	U	T	27		T	1	U	T	0.01	U	T
GW-BD8-122804	1.9		T	0.005	U	T	0.01	U	T	18		T	29		T	0.01	U	T
GW-BP17-122204	1.3		T	0.005	U	T	0.01	U	T	7.1		T	70		T	0.013		T
GW-BP22A-122804	1.4		D	0.005	U	D	0.01	U	D	14		D				0.01	U	D
GW-BP22A-122804	1.6		T	0.005	U	T	0.01	U	T	13		T	38		T	0.01	U	T
GW-BP22B-122804	1.1		D	0.005	U	D	0.01	U	D	18		D				0.01	U	D
GW-BP22B-122804	1.4		T	0.005	U	T	0.01	U	T	23		T	63		T	0.01	U	T
GW-BR10JC-121304	5.6		T	0.005	U	T	0.01	U	T	4.9		T	21		T	0.01	U	T
GW-BR10OB-120804	3.2		T	0.005	U	T	0.01	U	T	12		T	43		T	0.01	U	T
GW-BR10RB-121304	3.4		T	0.005	U	T	0.01	U	T	2.2		T	18		T	0.01	U	T
GW-BR11JC-121304	6.4		T	0.005	U	T	0.01	U	T	4.2		T	25		T	0.01	U	T
GW-BR12JC-120804	5.5		D	0.005	U	D	0.01	U	D	2.6		D				0.01	U	D
GW-BR12JC-120804	5.5		T	0.005	U	T	0.01	U	T	2.7		T	19		T	0.01	U	T
GW-BR12RB-120804	4.3		D	0.005	U	D	0.01	U	D	2.1		D				0.01	U	D
GW-BR12RB-120804	4.5		T	0.005	U	T	0.01	U	T	2.1		T	17		T	0.01	U	T
GW-BR1JC-120604	3.2		D	0.005	U	D	0.01	U	D	20		D				0.01	U	D
GW-BR1JC-121704	3.2		T	0.005	U	T	0.01	U	T	20		T	19		T	0.01	U	T
GW-BR1RB-120704	1.6		D	0.005	U	D	0.01	U	D	3.6		D				0.01	U	D
GW-BR1RB-120704	1.7		T	0.005	U	T	0.01	U	T	3.7		T	38		T	0.01	U	T
GW-BR2JC-120804	5.2		T	0.005	U	T	0.01	U	T	3.6		T	18		T	0.01	U	T
GW-BR2RB-120804	1.7		T	0.005	U	T	0.01	U	T	2		T	25		T	0.01	U	T
GW-BR3JC-120904	5.4		T	0.005	U	T	0.01	U	T	3.9		T	17		T	0.01	U	T
GW-BR3OB-120804	2.8		T	0.005	U	T	0.01	U	T	15		T	30		T	0.01	U	T
GW-BR3RB-120904	2		T	0.005	U	T	0.01	U	T	3		T	36		T	0.01	U	T
GW-BR4JC-121404	6.2	=	T	0.005	U	T	0.01	U	T	9.7	=	T	17		T	0.01	U	T
GW-BR4RB-121004	2.9	=	T	0.005	U	T	0.01	U	T	2.1	=	T	20		T	0.01	U	T
GW-BR5JC-121304	6.4		T	0.005	U	T	0.01	U	T	4.6		T	28		T	0.01	U	T
GW-BR5RB-121004	4.5	=	T	0.005	U	T	0.01	U	T	2.2	=	T	18		T	0.01	U	T
GW-BR6OB-120704	3.1		D	0.005	U	D	0.01	U	D	18		D				0.01	U	D

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Potassium			Selenium			Silver			Sodium			Sulfate			Thallium		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR6OB-120704	3.3		T	0.005	U	T	0.01	U	T	18		T	32		T	0.01	U	T
GW-BR6RB-120704	3.7		D	0.005	U	D	0.01	U	D	7.1		D				0.01	U	D
GW-BR6RB-120704	3.7		T	0.005	U	T	0.01	U	T	7.1		T	30		T	0.01	U	T
GW-BR7JC-121504	6.3		T	0.005	U	T	0.01	U	T	6.6		T	35		T	0.01	U	T
GW-BR7RB-121404	2.3	=	T	0.005	U	T	0.01	U	T	1.6	=	T	20		T	0.01	U	T
GW-BR8JC-120604	12		T	0.005	U	T	0.01	U	T	13		T	27		T	0.01	U	T
GW-BR8OB-120604	1.1		T	0.005	U	T	0.01	U	T	7		T	46		T	0.01	U	T
GW-BR8RB-120704	3.7		T	0.005	U	T	0.01	U	T	3.8		T	29		T	0.01	U	T
GW-BR9JC-121404	5.4	=	D	0.005	U	D	0.01	U	D	9.6	=	D				0.01	U	D
GW-BR9JC-121404	5.5	=	T	0.005	U	T	0.01	U	T	9.5	=	T	24		T	0.01	U	T
GW-CB02-121404	1.7	=	T	0.005	U	T	0.01	U	T	22	=	T	43		T	0.01	U	T
GW-DM02-122204	2.3		T	0.005	U	T	0.01	U	T	30		T	150		T	0.01	U	T
GW-EP15-121004	1	U	T	0.005	U	T	0.01	U	T	11	=	T	36		T	0.01	U	T
GW-EP16-121304	1.6		T	0.005	U	T	0.01	U	T	13		T	39		T	0.01	U	T
GW-EP20-121504	11		D	0.005	U	D	0.01	U	D	31		D				0.01	U	D
GW-EP20-121504	7.7		T	0.005	U	T	0.01	U	T	34		T	70		T	0.01	U	T
GW-FD1-120704	6.2		T	0.005	U	T	0.01	U	T	15		T	80		T	0.01	U	T
GW-FD2-121304	6.4		T	0.005	U	T	0.01	U	T	4.6		T	29		T	0.01	U	T
GW-FD3-121304	1.6		T	0.005	U	T	0.01	U	T	12		T	39		T	0.01	U	T
GW-FD4-121404	5.4	=	D	0.005	U	D	0.01	U	D	9.6	=	D				0.01	U	D
GW-FD4-121404	5.5	=	T	0.005	U	T	0.01	U	T	9.5	=	T	24		T	0.01	U	T
GW-FD5-121604	5.8		T	0.005	U	T	0.01	U	T	4.4		T	21		T	0.01	U	T
GW-FD6-121304	5.6		T	0.005	U	T	0.01	U	T	4.8		T	20		T	0.01	U	T
GW-FD7-122004	1.2		T	0.0065		T	0.01	U	T	16		T	41		T	0.01	U	T
GW-LF08-122104	9.3		T	0.005	U	T	0.01	U	T	12		T	46		T	0.01	U	T
GW-LF09-122004	1.2		T	0.005	U	T	0.01	U	T	16		T	39		T	0.01	U	T
GW-NB31-122104	1	U	T	0.005	U	T	0.01	U	T	9		T	45		T	0.01	U	T
GW-NB32-122004	1.5		T	0.005	U	T	0.01	U	T	17		T	79		T	0.01	U	T
GW-NB33-122104	1	U	D	0.005	U	D	0.01	U	D	11		D				0.01	U	D
GW-NB33-122104	1	U	T	0.005	U	T	0.01	U	T	11		T	59		T	0.01	U	T
GW-NB34-120704	6.1		T	0.005	U	T	0.01	U	T	15		T	80		T	0.01	U	T
GW-NB35-122104	1.2		T	0.005	U	T	0.01	U	T	16		T	45		T	0.01	U	T
GW-NB36-122204	1	U	T	0.005	U	T	0.01	U	T	12		T	26		T	0.01	U	T
GW-NB38-120904	1.1		T	0.005	U	T	0.01	U	T	14		T	37		T	0.01	U	T
GW-NB39-121504	1.3		D	0.005	U	D	0.01	U	D	15		D				0.01	U	D
GW-NB39-121504	1.4		T	0.005	U	T	0.01	U	T	15		T	45		T	0.01	U	T
GW-NB44-120604	2.7		D	0.005	U	D	0.01	U	D	14		D				0.01	U	D
GW-NB44-120604	2.7		T	0.005	U	T	0.01	U	T	14		T	45		T	0.01	U	T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Potassium			Selenium			Silver			Sodium			Sulfate			Thallium		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB46-121004	1.4		T	0.005	U	T	0.01	U	T	10		T	11		T	0.01	U	T
GW-NB50-121604	1.3		T	0.005	U	T	0.01	U	T	9.2		T	24		T	0.01	U	T
GW-NB54-122004	1	U	D	0.005	U	D	0.01	U	D	9.2		D				0.01	U	D
GW-NB54-122004	1.3		T	0.0057		T	0.01	U	T	8.8		T	55		T	0.01	U	T
GW-NB56-121604	1.2		T	0.005	U	T	0.01	U	T	16		T	9.8		T	0.01	U	T
GW-NB57A-121404	1	=	T	0.005	U	T	0.01	U	T	7.7	=	T	19		T	0.01	U	T
GW-NB57B-121504	1.4		T	0.005	U	T	0.01	U	T	24		T	78		T	0.01	U	T
GW-NB61-122204	1	U	D	0.005	U	D	0.01	U	D	14		D				0.01	U	D
GW-NB61-122204	1		T	0.005	U	T	0.01	U	T	14		T	68		T	0.01	U	T
GW-NB63-120704	2		T	0.005	U	T	0.01	U	T	12		T	28		T	0.01	U	T
GW-NB64-122104	2		T	0.0062		T	0.01	U	T	9.5		T	44		T	0.01	U	T
GW-NB65-122004	1.3		T	0.0051		T	0.01	U	T	13		T	33		T	0.01	U	T
GW-NB66-120604	2.7		T	0.005	U	T	0.01	U	T	13		T	28		T	0.01	U	T
GW-NB67-120704	2.2		D	0.005	U	D	0.01	U	D	18		D				0.01	U	D
GW-NB67-120704	2.3		T	0.005	U	T	0.01	U	T	18		T	32		T	0.01	U	T
GW-NB71-121304	1		T	0.005	U	T	0.01	U	T	7.8		T	47		T	0.01	U	T
GW-NB72-122104	1.2		T	0.005	U	T	0.01	U	T	14		T	34		T	0.01	U	T
GW-NB73-122004	3.8		T	0.005	U	T	0.01	U	T	17		T	47		T	0.01	U	T
GW-NB74-121304	1.7		T	0.005	U	T	0.01	U	T	29		T	51		T	0.01	U	T
GW-NB77-122004	2.3		T	0.005	U	T	0.01	U	T	15		T	34		T	0.01	U	T
GW-NB78-122104	1.3		T	0.0095		T	0.01	U	T	6.9		T	40		T	0.01	U	T
GW-NB79-121704	1.6		T	0.005	U	T	0.01	U	T	7.3		T	1.5		T	0.01	U	T
GW-NB80-121704	1.5		T	0.005	U	T	0.01	U	T	7.7		T	2.7		T	0.01	U	T
GW-NB81-120904	1	U	T	0.005	U	T	0.01	U	T	10		T	47		T	0.01	U	T
GW-NB82-121004	1.8	=	T	0.005	U	T	0.01	U	T	6.7	=	T	27		T	0.01	U	T
GW-NB83-120904	2		T	0.005	U	T	0.01	U	T	7.1		T	34		T	0.01	U	T
GW-NB84-120804	2.7		T	0.005	U	T	0.01	U	T	16		T	40		T	0.01	U	T
GW-NB85-120804	1.2		T	0.005	U	T	0.01	U	T	22		T	35		T	0.01	U	T
GW-NB86-120804	1.5		T	0.005	U	T	0.01	U	T	20		T	41		T	0.01	U	T
GW-OA19-122104	1.7		T	0.005	U	T	0.01	U	T	28		T	43		T	0.01	U	T
GW-OB1-121404	1.3	=	T	0.0077	=	T	0.01	U	T	40	=	T	54		T	0.01	U	T
GW-OB2-121404	1.9	=	T	0.005	U	T	0.01	U	T	5.7	=	T	16		T	0.01	U	T
GW-PL04-122204	1.5		T	0.005	U	T	0.01	U	T	15		T	56		T	0.01	U	T
GW-PL06-121504	1.4		T	0.005	U	T	0.01	U	T	31		T	51		T	0.01	U	T
GW-PZ3-121704	2.2		T	0.005	U	T	0.01	U	T	19		T	30		T	0.01	U	T
GW-PZ4-121304	1.3		T	0.005	U	T	0.01	U	T	6		T	15		T	0.01	U	T
GW-RR05-120904	1	U	T	0.005	U	T	0.01	U	T	14		T	23		T	0.01	U	T
GW-SW07-121004	1.6	=	T	0.005	U	T	0.01	U	T	22	=	T	46		T	0.01	U	T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Potassium			Selenium			Silver			Sodium			Sulfate			Thallium		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS14-121604	1	U	T	0.0073		T	0.01	U	T	8.5		T	41		T	0.01	U	T
GW-WS15-121604	1.4		T	0.005	U	T	0.01	U	T	15		T	28		T	0.01	U	T
GW-WS16-121604	1	U	T	0.005	U	T	0.01	U	T	5.1		T	24		T	0.01	U	T
GW-WS17B-121704	1.3		T	0.005	U	T	0.01	U	T	15		T	80		T	0.01	U	T
GW-WS22-121304	1	U	T	0.005	U	T	0.01	U	T	8.8		T	32		T	0.01	U	T
GW-WS23-121304	3.1		T	0.005	U	T	0.01	U	T	15		T	10		T	0.01	U	T
GW-WS24-121504	4.6		T	0.005	U	T	0.01	U	T	18		T	65		T	0.01	U	T
GW-WS25-121504	1.8		T	0.005	U	T	0.01	U	T	14		T	5.3		T	0.01	U	T
GW-WS26-121504	1.1		T	0.0091		T	0.01	U	T	120		T	170		T	0.01	U	T
GW-WS27-121504	1.2		T	0.005	U	T	0.01	U	T	18		T	69		T	0.01	U	T
GW-WS28-121604	1	U	T	0.005	U	T	0.01	U	T	12		T	33		T	0.01	U	T
GW-WS29-121604	1.4		T	0.005	U	T	0.01	U	T	18		T	39		T	0.01	U	T
GW-WS30-121604	69		T	0.005	U	T	0.01	U	T	63		T	31		T	0.01	U	T
GW-WS31-121604	5.8		T	0.005	U	T	0.01	U	T	4.3		T	21		T	0.01	U	T
GW-WS32-121704	1.8		T	0.005	U	T	0.01	U	T	18		T	49		T	0.01	U	T
GW-WS34-121404	1.6	=	T	0.005	U	T	0.01	U	T	17	=	T	48		T	0.01	U	T
GW-WS7-121304	4.7		T	0.005	U	T	0.01	U	T	17		T	67		T	0.01	U	T
GW-WS8-120904	3		T	0.005	U	T	0.01	U	T	4.2		T	19		T	0.01	U	T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Vanadium			Zinc		
	Result	Q	T or D	Result	Q	T or D
GW-BD1-121704	0.01	U	T	0.016		T
GW-BD13-122804	0.034		T	0.65		T
GW-BD14-122904	0.01	U	T	0.013		T
GW-BD16-122204	0.01	U	T	0.017		T
GW-BD2-121604	0.037		T	0.18		T
GW-BD3-121704	0.034		T	0.17		T
GW-BD4-121704	0.01	U	T	0.02		T
GW-BD5-121504	0.01	U	T	0.016		T
GW-BD6-121404	0.01	U	T	0.033	=	T
GW-BD7-121504	0.01	U	T	0.0072		T
GW-BD8-122804	0.01	U	T	0.006	U	T
GW-BP17-122204	0.01	U	T	0.006	U	T
GW-BP22A-122804	0.01	U	D	0.0097		D
GW-BP22A-122804	0.01	U	T	0.095		T
GW-BP22B-122804	0.01	U	D	0.006	U	D
GW-BP22B-122804	0.01	U	T	0.006	U	T
GW-BR10JC-121304	0.01	U	T	0.022		T
GW-BR10OB-120804	0.01	U	T	0.049		T
GW-BR10RB-121304	0.01	U	T	0.011		T
GW-BR11JC-121304	0.01	U	T	0.006	U	T
GW-BR12JC-120804	0.01	U	D	0.006	U	D
GW-BR12JC-120804	0.01	U	T	0.006	U	T
GW-BR12RB-120804	0.01	U	D	0.006	U	D
GW-BR12RB-120804	0.01	U	T	0.0067		T
GW-BR1JC-120604	0.01	U	D	0.006	U	D
GW-BR1JC-121704	0.01	U	T	0.069		T
GW-BR1RB-120704	0.01	U	D	0.006	U	D
GW-BR1RB-120704	0.01	U	T	0.006	U	T
GW-BR2JC-120804	0.01	U	T	0.02		T
GW-BR2RB-120804	0.01	U	T	0.0074		T
GW-BR3JC-120904	0.01	U	T	0.014		T
GW-BR3OB-120804	0.01	U	T	0.037		T
GW-BR3RB-120904	0.01	U	T	0.15		T
GW-BR4JC-121404	0.01	U	T	0.0073	=	T
GW-BR4RB-121004	0.01	U	T	0.006	U	T
GW-BR5JC-121304	0.01	U	T	0.006	U	T
GW-BR5RB-121004	0.01	U	T	0.006	U	T
GW-BR6OB-120704	0.01	U	D	0.026		D

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Vanadium			Zinc		
	Result	Q	T or D	Result	Q	T or D
GW-BR6OB-120704	0.01	U	T	0.047		T
GW-BR6RB-120704	0.01	U	D	0.006	U	D
GW-BR6RB-120704	0.01	U	T	0.006	U	T
GW-BR7JC-121504	0.01	U	T	0.028		T
GW-BR7RB-121404	0.01	U	T	0.0077	=	T
GW-BR8JC-120604	0.01	U	T	0.01		T
GW-BR8OB-120604	0.01	U	T	0.011		T
GW-BR8RB-120704	0.01	U	T	0.006	U	T
GW-BR9JC-121404	0.01	U	D	0.012	=	D
GW-BR9JC-121404	0.01	U	T	0.013	=	T
GW-CB02-121404	0.01	U	T	0.006	U	T
GW-DM02-122204	0.01	U	T	0.02		T
GW-EP15-121004	0.01	U	T	0.0069	U	T
GW-EP16-121304	0.01	U	T	0.006	U	T
GW-EP20-121504	0.01	U	D	0.016		D
GW-EP20-121504	0.01	U	T	0.023		T
GW-FD1-120704	0.01	U	T	0.018		T
GW-FD2-121304	0.01	U	T	0.006	U	T
GW-FD3-121304	0.01	U	T	0.006	U	T
GW-FD4-121404	0.01	U	D	0.014	=	D
GW-FD4-121404	0.01	U	T	0.011	=	T
GW-FD5-121604	0.01	U	T	0.006	U	T
GW-FD6-121304	0.01	U	T	0.031		T
GW-FD7-122004	0.01	U	T	0.035		T
GW-LF08-122104	0.018		T	0.048		T
GW-LF09-122004	0.01	U	T	0.034		T
GW-NB31-122104	0.01	U	T	0.009		T
GW-NB32-122004	0.01	U	T	0.24		T
GW-NB33-122104	0.01	U	D	0.01		D
GW-NB33-122104	0.01	U	T	0.017		T
GW-NB34-120704	0.01	U	T	0.019		T
GW-NB35-122104	0.01	U	T	0.044		T
GW-NB36-122204	0.01	U	T	0.006	U	T
GW-NB38-120904	0.01	U	T	0.013		T
GW-NB39-121504	0.01	U	D	0.02		D
GW-NB39-121504	0.01	U	T	0.025		T
GW-NB44-120604	0.01	U	D	0.0085		D
GW-NB44-120604	0.01	U	T	0.015		T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Vanadium			Zinc		
	Result	Q	T or D	Result	Q	T or D
GW-NB46-121004	0.01	U	T	0.0065		T
GW-NB50-121604	0.01	U	T	0.028		T
GW-NB54-122004	0.01	U	D	0.006	U	D
GW-NB54-122004	0.01	U	T	0.19		T
GW-NB56-121604	0.01	U	T	0.006	U	T
GW-NB57A-121404	0.01	U	T	0.006	U	T
GW-NB57B-121504	0.01	U	T	0.006	U	T
GW-NB61-122204	0.01	U	D	0.006	U	D
GW-NB61-122204	0.01	U	T	0.006	U	T
GW-NB63-120704	0.01	U	T	0.013		T
GW-NB64-122104	0.01	U	T	0.006	U	T
GW-NB65-122004	0.01	U	T	0.0072		T
GW-NB66-120604	0.01	U	T	0.054		T
GW-NB67-120704	0.01	U	D	0.006	U	D
GW-NB67-120704	0.01	U	T	0.0071		T
GW-NB71-121304	0.01	U	T	0.006	U	T
GW-NB72-122104	0.01	U	T	0.0085		T
GW-NB73-122004	0.01	U	T	0.022		T
GW-NB74-121304	0.01	U	T	0.019		T
GW-NB77-122004	0.01	U	T	0.085		T
GW-NB78-122104	0.01	U	T	0.006	U	T
GW-NB79-121704	0.01	U	T	0.012		T
GW-NB80-121704	0.01	U	T	0.006	U	T
GW-NB81-120904	0.01	U	T	0.006	U	T
GW-NB82-121004	0.01	U	T	0.006	U	T
GW-NB83-120904	0.01	U	T	0.05		T
GW-NB84-120804	0.01	U	T	0.018		T
GW-NB85-120804	0.01	U	T	0.053		T
GW-NB86-120804	0.01	U	T	0.13		T
GW-OA19-122104	0.01	U	T	0.0081		T
GW-OB1-121404	0.01	U	T	0.02	=	T
GW-OB2-121404	0.01	U	T	0.032	=	T
GW-PL04-122204	0.01	U	T	0.018		T
GW-PL06-121504	0.01	U	T	0.0091		T
GW-PZ3-121704	0.01	U	T	0.0083		T
GW-PZ4-121304	0.01	U	T	0.012		T
GW-RR05-120904	0.01	U	T	0.012		T
GW-SW07-121004	0.01	U	T	0.21	=	T

Table H.3 Inorganics in Groundwater (mg/L)

Sample ID	Vanadium			Zinc		
	Result	Q	T or D	Result	Q	T or D
GW-WS14-121604	0.01	U	T	0.018		T
GW-WS15-121604	0.01	U	T	0.044		T
GW-WS16-121604	0.01	U	T	0.014		T
GW-WS17B-121704	0.01	U	T	0.016		T
GW-WS22-121304	0.01	U	T	0.006	U	T
GW-WS23-121304	0.044		T	0.31		T
GW-WS24-121504	0.01	U	T	0.01		T
GW-WS25-121504	0.035		T	0.54		T
GW-WS26-121504	0.01	U	T	0.006	U	T
GW-WS27-121504	0.01	U	T	0.006	U	T
GW-WS28-121604	0.01	U	T	0.0094		T
GW-WS29-121604	0.01	U	T	0.015		T
GW-WS30-121604	0.01	U	T	0.017		T
GW-WS31-121604	0.01	U	T	0.006	U	T
GW-WS32-121704	0.01	U	T	0.075		T
GW-WS34-121404	0.01	U	T	0.006	U	T
GW-WS7-121304	0.01	U	T	0.022		T
GW-WS8-120904	0.01	U	T	0.023		T

Table H.4 Inorganics in Sediment (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-01-SS	9200		19	1.5	U	1.5	4.6		1.3	120		0.96	0.81		0.58	0.76		0.38
SW-02-SS	4100	J	13	1	UJ	1	4.9	=	0.88	250	J	0.63	0.38	U	0.38	0.37	=	0.25
SW-03-SS	5300	J	20	1.6	UJ	1.6	4.9	=	1.4	200	J	0.99	0.59	U	0.59	0.44	=	0.39
SW-04-SS	6500	J	13	1.1	UJ	1.1	11	=	0.93	940	J	0.67	0.86	=	0.4	0.64	=	0.27
SW-05-SS	5400	J	20	1.6	UJ	1.6	5.8	=	1.4	180	J	1	0.61	U	0.61	0.6	=	0.4
SW-06-SS	13000	J	35	2.8	UJ	2.8	9.1	=	2.5	180	J	1.8	1.3	=	1.1	3.2	=	0.71
SW-07-SS	10000		19	1.9		1.5	4.5		1.3	150		0.95	0.57	U	0.57	1.5		0.38
SW-08-SS	820		12	0.97	U	0.97	3.5		0.85	38		0.61	0.36	U	0.36	0.24	U	0.24
SW-08-SS-FD	780		12	0.94	U	0.94	2.2		0.82	33		0.59	0.35	U	0.35	0.24	U	0.24
SW-10-SS	6300		16	1.3	U	1.3	6		1.1	140		0.79	0.58		0.47	0.31	U	0.31
SW-11-SS	7100		14	1.1	U	1.1	6.5		0.99	85		0.71	0.57		0.42	0.28	U	0.28
SW-12-SS	6100		13	1.1	U	1.1	3.5		0.94	47		0.67	0.4	U	0.4	0.27	U	0.27
SW-13-SS	5300		15	1.2	U	1.2	8.9		1.1	83		0.76	0.51		0.46	0.3	U	0.3
SW-14-SS	660		12	1	U	1	3		0.87	35		0.62	0.37	U	0.37	0.25	U	0.25
SW-15-SS	2200		12	0.94	U	0.94	7.4		0.82	110		0.58	0.35		0.35	0.23	U	0.23
SW-16-SS	1900		12	0.99	U	0.99	3.2		0.87	67		0.62	0.37	U	0.37	0.25	U	0.25
US-04-SS	3000		13	1		1	5.8		0.91	58		0.65	0.39	U	0.39	0.26	U	0.26
US-05-SS	2500		12	1	U	1	3.5		0.87	130		0.62	0.37	U	0.37	0.25	U	0.25
Sample ID	**Calcium**			**Chromium**			**Cobalt**			**Copper**			**Cyanide**			**Fluoride**		
SW-01-SS	6100		190	23		0.77	7.7		0.38	46		1.5	0.96	U	0.96	25		9.6
SW-02-SS	9600	=	130	8.6	=	0.51	6.2	=	0.25	9.9	=	1	0.63	U	0.63	6.3	U	6.3
SW-03-SS	5400	=	200	11	=	0.79	8.1	=	0.39	13	=	1.6	0.99	U	0.99	9.9	U	9.9
SW-04-SS	13000	=	130	13	=	0.53	25	=	0.27	38	=	1.1	0.67	U	0.67	6.7	U	6.7
SW-05-SS	17000	=	200	10	=	0.81	7.7	=	0.4	37	=	1.6	1	U	1	10	U	10
SW-06-SS	15000	=	350	48	=	1.4	14	=	0.71	110	=	2.8	1.8	U	1.8	28	=	18
SW-07-SS	22000		190	31		0.76	7.9		0.38	66		1.5	0.95	U	0.95	17		9.5
SW-08-SS	1700		120	8.9		0.49	2.1		0.24	1.7		0.97	0.61	U	0.61	6.1	U	6.1
SW-08-SS-FD	1800		120	11		0.47	2.3		0.24	1.4		0.94	0.59	U	0.59	5.9	U	5.9
SW-10-SS	6200		160	14		0.63	8.8		0.31	11		1.3	0.79	U	0.79	10		7.9
SW-11-SS	11000		140	13		0.56	8		0.28	9.5		1.1	0.71	U	0.71	7.1	U	7.1
SW-12-SS	15000		130	10		0.54	3.8		0.27	6.8		1.1	0.67	U	0.67	8.6		6.8
SW-13-SS	6300		150	12		0.61	10		0.3	7.4		1.2	0.76	U	0.76	9.8		7.6
SW-14-SS	570		120	8.7		0.5	2.3		0.25	1	U	1	0.62	U	0.62	6.2	U	6.2
SW-15-SS	4100		120	24		0.47	8		0.23	6.5		0.94	0.58	U	0.58	5.9	U	5.9
SW-16-SS	2700		120	11		0.49	3.4		0.25	3.4		0.99	0.62	U	0.62	6.2	U	6.2
US-04-SS	2100	*N	130	7.6		0.52	5.6		0.26	4.3		1	0.65	U	0.65	6.5	UN	6.5
US-05-SS	5700		120	7.2		0.5	4.1		0.25	4.3		1	0.62	U	0.62	6.2	U	6.2

Table H.4 Inorganics in Sediment (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-01-SS	15000		19	27		0.58	2600		190	400		0.38	0.12		0.038	29		0.96
SW-02-SS	9500	J	13	58	=	0.38	4900	=	130	640	J	0.25	0.03		0.025	8.6	=	0.63
SW-03-SS	11000	J	20	53	=	0.59	2600	=	200	830	J	0.39	0.082		0.039	12	=	0.99
SW-04-SS	23000	J	13	110	=	2	6600	=	130	5600	J	1.3	0.03		0.027	27	=	0.67
SW-05-SS	14000	J	20	130	=	0.61	2700	=	200	890	J	0.4	0.074		0.04	12	=	1
SW-06-SS	19000	J	35	71	=	1.1	5100	=	350	900	J	0.71	1.1		0.071	48	=	1.8
SW-07-SS	11000		19	58		0.57	7200		190	330		0.38	0.27		0.038	28		0.95
SW-08-SS	5000		12	12		0.36	990		120	77		0.24	0.024	U	0.024	3.1		0.61
SW-08-SS-FD	4400		12	30		0.35	960		120	130		0.24	0.024	U	0.024	3.3		0.59
SW-10-SS	14000		16	41		0.47	3500		160	850		0.31	0.031	U	0.031	13		0.79
SW-11-SS	14000		14	31		0.42	6400		140	600		0.28	0.028	U	0.028	13		0.71
SW-12-SS	8200		13	18		0.4	4300		130	170		0.27	0.027	U	0.027	7.7		0.67
SW-13-SS	16000		15	26		0.46	2800		150	670		0.3	0.03	U	0.03	11		0.76
SW-14-SS	5600		12	9.8		0.37	360		120	99		0.25	0.025	U	0.025	2.9		0.62
SW-15-SS	17000		12	41		0.35	1800		120	500		0.23	0.026		0.023	11		0.58
SW-16-SS	5900		12	29		0.37	1200		120	240		0.25	0.025	U	0.025	4.4		0.62
US-04-SS	10000		13	15		0.39	1300	*	130	550	*	0.26	0.026	U	0.026	8.6		0.65
US-05-SS	6200		12	35		0.37	3400		120	340		0.25	0.025	U	0.025	4.8		0.62
Sample ID	**Potassium**			**Selenium**			**Silver**			**Sodium**			**Thallium**			**Vanadium**		
SW-01-SS	870		190	0.96	U	0.96	0.96	U	0.96	190	U	190	1.5	U	1.5	25		0.96
SW-02-SS	470	=	130	0.85	=	0.63	0.63	U	0.63	130	U	130	1	U	1	15	=	0.63
SW-03-SS	620	=	200	0.99	U	0.99	0.99	U	0.99	200	U	200	1.6	U	1.6	18	=	0.99
SW-04-SS	710	=	130	2.6	=	0.67	0.67	U	0.67	130	U	130	5.3	U	5.3	33	=	0.67
SW-05-SS	940	=	200	1.1	=	1	1	U	1	200	U	200	1.6	U	1.6	20	=	1
SW-06-SS	1200	=	350	1.8	U	1.8	1.8	U	1.8	350	U	350	2.8	U	2.8	29	=	1.8
SW-07-SS	1200		190	0.95	U	0.95	0.95	U	0.95	190	U	190	1.5	U	1.5	29		0.95
SW-08-SS	120	U	120	0.61	U	0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	9.6		0.61
SW-08-SS-FD	120	U	120	0.59	U	0.59	0.59	U	0.59	120	U	120	0.94	U	0.94	9.5		0.59
SW-10-SS	700		160	0.96		0.79	0.79	U	0.79	160	U	160	1.3	U	1.3	24		0.79
SW-11-SS	750		140	0.71	U	0.71	0.71	U	0.71	140	U	140	1.1	U	1.1	25		0.71
SW-12-SS	720		130	0.96		0.67	0.67	U	0.67	130	U	130	1.1	U	1.1	16		0.67
SW-13-SS	550		150	1.7		0.76	0.76	U	0.76	150	U	150	1.2	U	1.2	24		0.76
SW-14-SS	120	U	120	0.62	U	0.62	0.62	U	0.62	120	U	120	1	U	1	13		0.62
SW-15-SS	180		120	0.77		0.58	0.58	U	0.58	120	U	120	0.94	U	0.94	29		0.58
SW-16-SS	180		120	0.73		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	11		0.62
US-04-SS	340		130	0.73		0.65	0.65	U	0.65	130	U	130	1	U	1	16		0.65
US-05-SS	250		120	0.62	U	0.62	0.62	U	0.62	120	U	120	1	U	1	11		0.62

Table H.4 Inorganics in Sediment (mg/kg)

Sample ID	Zinc		
	Result	Q	EQL
SW-01-SS	140		1.2
SW-02-SS	210	=	0.76
SW-03-SS	150	=	1.2
SW-04-SS	130	=	0.8
SW-05-SS	87	=	1.2
SW-06-SS	410	=	2.1
SW-07-SS	270		1.1
SW-08-SS	55		0.73
SW-08-SS-FD	61		0.71
SW-10-SS	59		0.94
SW-11-SS	44		0.85
SW-12-SS	36		0.81
SW-13-SS	66		0.91
SW-14-SS	53		0.75
SW-15-SS	160		0.7
SW-16-SS	93		0.74
US-04-SS	23	E	0.78
US-05-SS	140		0.75

Table H.5 Inorganics in Surface Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	12000		12	0.93	U	0.93	4.3		0.81	120		0.58	0.37		0.35	0.23	U	0.23
BD-10-00-SL	9000		12	21		0.94	23		0.82	140		0.59	0.35		0.35	4.5		1.2
BD-11-00-SL	18000		12	0.94		0.94	48		0.82	220		0.59	0.72		0.35	0.23		0.23
BD-12-00-SL	13000		12	2.3		0.95	76		0.83	230		0.59	0.73		0.36	1.5		0.24
BP-01-00-SL	9500		12	0.93	U	0.93	7.5		0.81	130		0.58	0.64		0.35	0.23	U	0.23
BP-02-00-SL	6300		14	1.1	U	1.1	5.3		0.96	95		0.69	0.51		0.41	0.27		0.27
BP-03-00-SL	6900		13	1	U	1	5.8		0.89	160		0.63	0.78		0.38	0.35		0.25
BP-04-00-SL	22000		12	0.99	U	0.99	4.7		0.86	170		0.62	0.68		0.37	0.25	U	0.25
BP-05-00-SL	8100		13	1	U	1	8.8		0.91	350		0.65	0.82		0.39	0.26	U	0.26
BP-06-00-SL	9600		12	0.99	U	0.99	5.8		0.86	100		0.62	0.6		0.37	0.25	U	0.25
BP-07-00-SL	8600		13	1		1	15		0.88	160		0.63	1.5		0.38	0.92		0.25
BP-08-00-SL	8800		12	0.95	U	0.95	6.4		0.83	120		0.6	0.64		0.36	0.27		0.24
BP-09-00-SL	8400		12	0.99	U	0.99	6		0.87	130		0.62	0.63		0.37	0.3		0.25
BP-10-00-SL	7200		12	0.99	U	0.99	5.4		0.86	120		0.62	0.58		0.37	0.25	U	0.25
BP-11-00-SL	8700		12	0.96	U	0.96	5.9		0.84	130		0.6	0.64		0.36	0.24	U	0.24
BP-12-00-SL	9900		12	0.97		0.97	7.1		0.85	130		0.6	0.71		0.36	0.24	U	0.24
CB-01-00-SL	9600	J	13	1	UJ	1	7.1	=	0.89	110	J	0.64	0.52	=	0.38	0.25	U	0.25
CB-01-00-SL-FD	13000	J	13	1.1	UJ	1.1	11	=	0.93	140	J	0.66	0.7	=	0.4	0.3	=	0.26
DM-01-00-SL	13000		12	0.97		0.97	12		0.84	950		0.6	0.36		0.36	0.9		0.24
DM-02-00-SL	13000		12	2.6		0.97	10		0.85	150		0.61	0.36		0.36	0.85		0.24
EP-01-00-SL	11000		12	3.2		0.97	6.7		0.85	140		0.61	3.4		0.37	4.7		0.24
EP-02-00-SL	17000		14	8.4		1.1	27		0.96	180		0.68	4.4		0.41	11		0.55
EP-03-00-SL	19000		13	1	U	1	17		0.9	160		0.64	1.1		0.38	3.3		0.26
EP-04-00-SL	8200		14	5.2		1.1	99		0.95	180		0.68	5.8		0.41	2.9		0.27
EP-04-00-SL-FD	7400		13	5		1	78		0.88	190		0.63	5.1		0.38	3.8		0.5
EP-05-00-SL	8100		13	1	U	1	4.5		0.88	140		0.63	0.38		0.38	0.25	U	0.25
EP-06-00-SL	6300		12	2.2		0.97	160		0.85	290		0.6	1.1		0.36	2.2		0.73
EP-07-00-SL	14000		12	0.98	UN	0.98	11		0.86	180		0.61	0.78		0.37	0.24	U	0.24
EP-08-00-SL	12000		12	1		0.94	45		0.82	150		0.59	0.5		0.35	0.5		0.24
EP-09-00-SL	7100		13	1.4		1	100		0.91	130		0.65	0.51		0.39	0.6		0.26
EP-10-00-SL	11000		12	1.5		0.93	34		0.81	120		0.58	0.83		0.35	0.6		0.23
EP-11-00-SL	13000		14	1.9		1.1	55		0.97	210		0.69	0.64		0.41	0.77		0.28
EP-12-00-SL	16000		13	1.9		1	77		0.89	150		0.64	0.61		0.38	0.81		0.26
GS-01-00-SL	9300		12	0.99	U	0.99	9.2		0.87	78		0.62	0.65		0.37	0.25	U	0.25
GS-01-00-SL-FD	9600		12	0.98	U	0.98	9.1		0.86	84		0.61	0.69		0.37	0.25	U	0.25
GS-02-00-SL	7800		13	1	U	1	7.3		0.89	110		0.64	0.67		0.38	0.26	U	0.26
GS-03-00-SL	4100		12	0.94	U	0.94	8.3		0.83	92		0.59	0.35	U	0.35	0.49		0.24
GS-04-00-SL	7700		13	1.1		1	9.9		0.91	130		0.65	0.73		0.39	0.31		0.26
GS-05-00-SL	5700		13	1.1	U	1.1	7.1		0.93	98		0.67	0.47		0.4	0.39		0.27
LF-01-00-SL	12000		12	0.96	U	0.96	6.7		0.84	130		0.6	0.73		0.36	0.24	U	0.24
LF-02-00-SL	4900		11	0.88	U	0.88	2.6		0.77	48		0.55	0.33	U	0.33	0.34		0.22
LF-03-00-SL	5500		12	0.92	U	0.92	3.8		0.81	75		0.58	0.4		0.35	1.5		0.23

Table H.5 Inorganics in Surface Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
LF-04-00-SL	5800		12	0.99	U	0.99	5.8		0.87	210		0.62	0.52		0.37	0.57		0.25
LF-05-00-SL	16000		12	0.94	U	0.94	12		0.82	130		0.59	0.65		0.35	0.24	U	0.24
NB-01-00-SL	6700		13	1.1	U	1.1	8.7		0.93	59		0.66	0.5		0.4	1.3		0.27
NB-02-00-SL	3800		12	0.97	U	0.97	5.9		0.85	52		0.61	0.36	U	0.36	0.8		0.24
NB-03-00-SL	4500		13	1	U	1	7.6		0.88	41		0.63	0.38	U	0.38	0.95		0.25
NB-04-00-SL	3800		12	0.97		0.97	13		0.85	1500		1.2	0.81		0.36	0.81		0.24
NB-05-00-SL	7400		12	0.99		0.99	8.4		0.86	820		0.62	0.77		0.37	0.32		0.25
NB-06-00-SL	5200		12	0.99	U	0.99	4.8		0.87	220		0.62	0.56		0.37	0.43		0.25
NB-07-00-SL	6400		12	0.97	U	0.97	4.7		0.85	180		0.61	0.62		0.36	0.24	U	0.24
NB-07-00-SL-FD	6100		12	0.97	U	0.97	4.8		0.85	190		0.61	0.61		0.36	0.24	U	0.24
NB-08-00-SL	6100		12	0.98	U	0.98	4.4		0.86	140		0.62	0.52		0.37	0.25	U	0.25
NB-09-00-SL	6700		13	1	U	1	6		0.9	190		0.64	0.6		0.38	0.56		0.26
NB-10-00-SL	6700		13	1	UN	1	6.9		0.91	350		0.65	0.57		0.39	0.6		0.26
NB-11-00-SL	9100		13	1.1	U	1.1	7.9		0.93	410		0.66	1.1		0.4	2.2		0.27
NB-12-00-SL	7000		13	1.1	U	1.1	7.1		0.92	310		0.66	0.4		0.4	0.52		0.26
NB-13-00-SL	7600		13	1.1	U	1.1	6.5		0.92	170		0.66	0.4		0.4	0.29		0.26
NB-14-00-SL	5500		16	1.3	U	1.3	6.2		1.2	420		0.82	0.49		0.49	0.54		0.33
NB-15-00-SL	7300		13	1	U	1	8.6		0.9	210		0.65	0.7		0.39	0.26	U	0.26
NB-16-00-SL	8400		12	0.97	U	0.97	6.3		0.85	120		0.6	0.63		0.36	0.24	U	0.24
NB-17-00-SL	4800		13	1	U	1	3.8		0.88	110		0.62	0.47		0.38	0.25	U	0.25
NB-18-00-SL	4100		12	0.97	U	0.97	3.7		0.85	85		0.61	0.42		0.36	0.24	U	0.24
NB-19-00-SL	8200		13	1.1		1	6.4		0.91	130		0.65	0.62		0.39	0.26	U	0.26
NB-20-00-SL	10000		12	0.99		0.99	7.2		0.87	180		0.62	0.58		0.37	0.25	U	0.25
NB-21-00-SL	11000		12	0.97	U	0.97	7.1		0.85	150		0.61	0.71		0.36	0.24	U	0.24
NB-22-00-SL	5600		14	1.6		1.1	9.4		0.98	1300		0.7	0.62		0.42	0.59		0.28
NB-23-00-SL	7000		13	1.1	U	1.1	7.5		0.93	430		0.66	0.59		0.4	0.75		0.26
NB-24-00-SL	6300		13	1.1	U	1.1	6.6		0.94	380		0.67	0.54		0.4	0.6		0.27
NB-25-00-SL	5500		14	1.3		1.1	5.5		0.96	91		0.68	0.46		0.41	0.83		0.27
NB-26-00-SL	2600		12	1	U	1	3.7		0.87	25		0.62	0.37	U	0.37	0.68		0.25
NB-27-00-SL	8900		12	0.95	U	0.95	11		0.83	95		0.59	0.6		0.36	0.56		0.24
NB-27-00-SL-FD	9600		12	0.96		0.96	10		0.84	78		0.6	0.63		0.36	0.58		0.24
OA-01-00-SL	5700	J	12	0.94	UJ	0.94	9.2	=	0.82	310	J	0.58	0.47	=	0.35	1.6	U	0.23
OA-01-00-SL-FD	5700	J	12	0.92	UJ	0.92	8.3	=	0.81	270	J	0.58	0.45	=	0.35	1.6	=	0.23
OA-02-00-SL	6100	J	12	0.98	UJ	0.98	7.1	=	0.86	140	J	0.62	0.56	=	0.37	0.25	=	0.25
OA-03-00-SL	10000	J	12	0.96	UJ	0.96	17	=	0.84	150	J	0.6	0.8	=	0.36	0.24	=	0.24
OA-04-00-SL	9000		13	1	UN	1	6.9		0.89	210	*	0.63	0.8		0.38	0.68		0.25
OA-05-00-SL	6800		13	1	U	1	5.1		0.88	160		0.63	0.64		0.38	0.31		0.25
OA-06-00-SL	8800		12	0.93	U	0.93	5.8		0.81	130		0.58	0.35		0.35	0.23	U	0.23
OA-07-00-SL	9800		12	0.97	U	0.97	19		0.85	130		0.61	0.96		0.36	0.24		0.24
OA-08-00-SL	11000		12	3.7	N	0.97	15		0.85	230		0.61	0.36		0.36	0.48		0.48
OA-09-00-SL	6200		12	0.92	U	0.92	4.8		0.81	150		0.58	0.35		0.35	0.23		0.23
OA-10-00-SL	7900		12	0.97	U	0.97	5.8		0.85	96		0.61	0.51		0.36	0.24	U	0.24

Table H.5 Inorganics in Surface Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-11-00-SL	17000		11	1.2		0.92	26		0.8	160		0.57	0.52		0.34	0.38		0.23
OA-12-00-SL	4400		13	1	UN	1	4.3		0.9	100	*	0.64	0.43		0.38	0.3		0.26
OA-13-00-SL	11000		13	1	U	1	7.3		0.92	120		0.65	0.72		0.39	0.3		0.26
OA-14-00-SL	6100		13	1	U	1	14		0.91	97		0.65	0.41		0.39	0.36		0.26
OA-15-00-SL	13000		12	0.99	U	0.99	5.9		0.86	100		0.62	0.57		0.37	0.59		0.25
OA-16-00-SL	13000		13	1.2		1	6.3		0.89	120		0.63	0.63		0.38	0.74		0.25
OA-20-00-SL	14000		13	1.1	U	1.1	4.5		0.92	190		0.66	0.48		0.39	0.41		0.26
OA-21-00-SL	6900		11	0.92	U	0.92	5.9		0.8	85		0.57	0.34	U	0.34	0.39		0.23
OA-22-00-SL	2000		11	0.87	U	0.87	1.1		0.76	24		0.54	0.33	U	0.33	0.22	U	0.22
OA-23-00-SL	4500		11	0.9	U	0.9	25		0.79	55		0.56	0.8		0.34	0.25		0.23
OA-24-00-SL	5900		14	1.1	U	1.1	4.4		0.95	100		0.68	0.42		0.41	0.5		0.27
OA-25-00-SL	13000	*	13	1.1		1.1	5.3		0.93	180	*	0.66	0.53		0.4	0.27	UN	0.27
OA-26-00-SL	4400		11	16		0.9	6.7		0.79	68		0.56	0.34	U	0.34	1.2		0.23
OA-27-00-SL	6600		12	0.97	U	0.97	6.7		0.85	130		0.61	0.53		0.36	0.24	U	0.24
OA-28-00-SL	6200		13	1	U	1	7.1		0.9	140		0.65	0.49		0.39	0.68		0.26
OA-29-00-SL	8000		12	0.96	U	0.96	5.6		0.84	110		0.6	0.57		0.36	0.24	U	0.24
OA-30-00-SL	7800		12	0.97	U	0.97	5.9		0.85	130		0.61	0.61		0.36	0.24	U	0.24
OA-31-00-SL	8500		12	1	U	1	6.1		0.87	130		0.62	0.67		0.37	0.25	U	0.25
OA-32-00-SL	9100		12	1	U	1	5.5		0.87	120		0.62	0.64		0.37	0.25	U	0.25
OA-33-00-SL	8200		12	0.97	U	0.97	5.3		0.85	130		0.6	0.55		0.36	0.33		0.24
OA-34-00-SL	7700		12	0.99	U	0.99	6.5		0.87	110		0.62	0.59		0.37	0.25	U	0.25
OA-35-00-SL	7200		14	1.1	U	1.1	5.7		0.96	110		0.69	0.57		0.41	0.39		0.28
OA-36-00-SL	8700		14	1.1	U	1.1	5.8		0.96	100		0.69	0.59		0.41	0.31		0.27
OA-37-00-SL	8900		13	1	U	1	6.3		0.9	160		0.64	0.7		0.39	0.26	U	0.26
OA-38-00-SL	8000		13	1	U	1	6.3		0.89	130		0.63	0.64		0.38	0.36		0.25
OA-39-00-SL	8700		13	1	U	1	6.4		0.92	110		0.66	0.64		0.39	0.34		0.26
OA-40-00-SL	7200		13	1	U	1	6.5		0.91	97		0.65	0.6		0.39	0.26	U	0.26
PL-01-00-SL	5100		13	1	UN	1	10		0.9	130		0.64	0.49		0.38	0.37		0.26
PL-02-00-SL	6900		12	0.94	U	0.94	5.2		0.82	110		0.59	0.58		0.35	0.24	U	0.24
PL-03-00-SL	5400		13	1.1	U	1.1	8.5		0.93	150		0.66	0.58		0.4	0.48		0.27
RR-01-00-SL	15000	J	12	1	UJ	1	13	=	0.87	130	J	0.62	0.75	=	0.37	0.8	=	0.25
RR-02-00-SL	12000	J	13	1	UJ	1	14	=	0.9	110	J	0.65	0.64	=	0.39	0.26	U	0.26
RR-03-00-SL	7400	J	13	1	UJ	1	5.6	=	0.88	120	J	0.63	0.6	=	0.38	0.25	U	0.25
SW-01-00-SL	24000	J	13	1	UJ	1	7.1	=	0.9	240	J	0.64	1.2	=	0.39	1.4	=	0.26
SW-02-00-SL	14000	J	14	1.1	UJ	1.1	11	=	0.95	250	J	0.68	2.6	=	0.41	3.5	=	0.27
SW-03-00-SL	7200	J	12	0.97	UJ	0.97	6.6	=	0.85	130	J	0.61	0.59	=	0.37	0.24	U	0.24
SW-04-00-SL	8000	J	13	1	UJ	1	7	=	0.9	260	J	0.65	0.66	=	0.39	0.26	U	0.26
LS-01-00-SL	6300		11	0.92	U	0.92	3.9		0.8	74		0.57	0.34	U	0.34	0.23		0.23
LS-02-00-SL	3800		11	0.91	U	0.91	1.7		0.8	34		0.57	0.34	U	0.34	0.23	U	0.23
LS-03-00-SL	14000		12	0.95	U	0.95	14		0.83	150		0.59	0.8		0.36	0.24		0.24

Table H.5 Inorganics in Surface Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Cyanide			Fluoride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	150000		1200	13		0.46	2.8		0.23	9.6		0.93	0.58	U	0.58	110		5.8
BD-10-00-SL	180000		590	280		0.47	18		0.23	180		0.94	0.59	U	0.59	78		5.9
BD-11-00-SL	53000		120	31		0.47	9.3		0.23	24		0.94	0.59	U	0.59	70		5.9
BD-12-00-SL	47000		120	35		0.48	12		0.24	38		0.95	0.59	U	0.59	42		6
BP-01-00-SL	15000		120	13		0.46	13		0.23	13		0.93	0.58	U	0.58	17		5.8
BP-02-00-SL	22000		140	11		0.55	7.4		0.27	10		1.1	0.69	U	0.69	9.9		6.9
BP-03-00-SL	2100		130	20		0.51	9.2		0.25	14		1	0.63	U	0.63	31		6.3
BP-04-00-SL	120000		620	24		0.49	5.6		0.25	18		0.99	0.62	U	0.62	62		6.2
BP-05-00-SL	10000		130	13		0.52	21		0.26	13		1	0.65	U	0.65	9.9		6.5
BP-06-00-SL	9400		120	13		0.49	7.3		0.25	12		0.99	0.62	U	0.62	34		6.2
BP-07-00-SL	24000		130	52		0.51	9.5		0.25	33		1	0.63	U	0.63	21		6.3
BP-08-00-SL	1600		120	13		0.48	9		0.24	12		0.95	0.6	U	0.6	33		6
BP-09-00-SL	1600		120	13		0.5	9.9		0.25	13		0.99	0.62	U	0.62	20		6.2
BP-10-00-SL	1500		120	11		0.49	8.8		0.25	11		0.99	0.62	U	0.62	14		6.2
BP-11-00-SL	15000		120	12		0.48	9.6		0.24	11		0.96	0.6	U	0.6	25		6
BP-12-00-SL	1600		120	14		0.48	8.8		0.24	13		0.97	0.6	U	0.6	13		6
CB-01-00-SL	69000	=	250	12	=	0.51	5.6	=	0.25	12	=	1	0.64	U	0.64	20	=	6.4
CB-01-00-SL-FD	9400	=	130	17	=	0.53	9.7	=	0.26	16	=	1.1	0.66	U	0.66	27	=	6.6
DM-01-00-SL	150000		600	17		0.48	5.3		0.24	21		0.97	0.6	U	0.6	71		6
DM-02-00-SL	230000		1200	55		0.49	3.9		0.24	60		0.97	0.61	U	0.61	140		6.1
EP-01-00-SL	250000		1200	33		0.49	3.9		0.24	50		0.97	0.61	U	0.61	130		6.1
EP-02-00-SL	140000		680	53		0.55	10		0.27	1800		2.2	0.68	U	0.68	130		6.8
EP-03-00-SL	8700		130	23		0.51	7.9		0.26	24		1	0.64	U	0.64	77		6.4
EP-04-00-SL	38000		140	76		0.54	9.3		0.27	160		1.1	0.68	U	0.68	37		6.8
EP-04-00-SL-FD	36000		130	110		0.5	10		0.25	180		1	0.63	U	0.63	42		6.3
EP-05-00-SL	1100		130	12		0.5	5		0.25	11		1	0.63	U	0.63	140		6.3
EP-06-00-SL	29000		120	37		0.48	33		0.24	36		0.97	0.6	U	0.6	30		6.1
EP-07-00-SL	5400	*N	120	16		0.49	9		0.24	15		0.98	0.61	U	0.61	48	N	6.1
EP-08-00-SL	160000		1200	19		0.47	3.7		0.24	14		0.94	0.59	U	0.59	94		5.9
EP-09-00-SL	2300		130	12		0.52	5.2		0.26	21		1	0.65	U	0.65	47		6.5
EP-10-00-SL	120000		1200	18		0.46	3.3		0.23	22		0.93	0.58	U	0.58	110		5.8
EP-11-00-SL	34000		140	18		0.55	4.1		0.28	39		1.1	0.69	U	0.69	39		6.9
EP-12-00-SL	38000		130	19		0.51	7.5		0.26	26		1	0.64	U	0.64	53		6.4
GS-01-00-SL	3300		120	16		0.5	6		0.25	11		0.99	0.62	U	0.62	7		6.2
GS-01-00-SL-FD	4000		120	17		0.49	6.2		0.25	12		0.98	0.61	U	0.61	12		6.1
GS-02-00-SL	3600		130	13		0.51	10		0.26	15		1	0.64	U	0.64	33		6.4
GS-03-00-SL	50000		120	8.2		0.47	4.8		0.24	8.9		0.94	0.59	U	0.59	11		5.9
GS-04-00-SL	12000		130	15		0.52	9.4		0.26	17		1	0.65	U	0.65	6.5	U	6.5
GS-05-00-SL	23000		130	11		0.53	5.7		0.27	10		1.1	0.67	U	0.67	6.9		6.7
LF-01-00-SL	53000		120	35		0.48	6.4		0.24	16		0.96	0.6	U	0.6	28		6
LF-02-00-SL	180000		1100	18		0.44	3		0.22	9.5		0.88	0.55	U	0.55	11		5.5
LF-03-00-SL	71000		230	8.8		0.46	4.1		0.23	12		0.92	0.58	U	0.58	5.8	U	5.8

Table H.5 Inorganics in Surface Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Cyanide			Fluoride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
LF-04-00-SL	20000		120	18		0.5	10		0.25	17		0.99	0.62	U	0.62	6.2	U	6.2
LF-05-00-SL	39000		240	19		0.47	5.1		0.24	11		0.94	0.59	U	0.59	10		5.9
NB-01-00-SL	63000		130	11		0.53	4.3		0.27	11		1.1	0.66	U	0.66	6.6	U	6.6
NB-02-00-SL	68000		240	7.3		0.48	4.1		0.24	6.6		0.97	0.61	U	0.61	6.1	U	6.1
NB-03-00-SL	63000		250	8.1		0.51	3.3		0.25	9.9		1	0.63	U	0.63	6.3	U	6.3
NB-04-00-SL	20000		120	10		0.48	16		0.48	55		0.97	0.61	U	0.61	6.1	U	6.1
NB-05-00-SL	5100		120	15		0.49	12		0.25	31		0.99	0.62	U	0.62	6.2	U	6.2
NB-06-00-SL	2700		120	9.2		0.5	8.6		0.25	11		0.99	0.62	U	0.62	7.4		6.2
NB-07-00-SL	1900		120	11		0.49	8.1		0.24	11		0.97	0.61	U	0.61	6.1	U	6.1
NB-07-00-SL-FD	3300		120	10		0.49	8.7		0.24	11		0.97	0.61	U	0.61	6.1	U	6.1
NB-08-00-SL	880		120	9.5		0.49	9.4		0.25	9.1		0.98	0.62	U	0.62	6.2	U	6.2
NB-09-00-SL	2700		130	11		0.51	8.6		0.26	12		1	0.64	U	0.64	7.8		6.4
NB-10-00-SL	5500		130	12		0.52	9.2		0.26	14		1	0.65	U	0.65	6.5	UN	6.5
NB-11-00-SL	7200		130	17		0.53	11		0.27	30		1.1	0.66	U	0.66	12		6.6
NB-12-00-SL	5400		130	12		0.53	9.9		0.26	14		1.1	0.66	U	0.66	6.6	U	6.6
NB-13-00-SL	2700		130	11		0.53	9.5		0.26	14		1.1	0.66	U	0.66	9		6.6
NB-14-00-SL	9800		160	12		0.66	11		0.33	25		1.3	0.82	U	0.82	8.2	U	8.2
NB-15-00-SL	2900		130	17		0.52	11		0.26	31		1	0.65	U	0.65	6.7		6.5
NB-16-00-SL	1700		120	13		0.48	8.4		0.24	12		0.97	0.6	U	0.6	6.1	U	6.1
NB-17-00-SL	860		130	8.7		0.5	6.8		0.25	6.8		1	0.63	U	0.63	6.3	U	6.3
NB-18-00-SL	980		120	7.1		0.49	3.3		0.24	7		0.97	0.61	U	0.61	6.1	U	6.1
NB-19-00-SL	2100		130	12		0.52	9.6		0.26	12		1	0.65	U	0.65	15		6.5
NB-20-00-SL	3500		120	14		0.5	12		0.25	16		0.99	0.62	U	0.62	10		6.2
NB-21-00-SL	26000		120	14		0.49	11		0.24	12		0.97	0.61	U	0.61	8.3		6.1
NB-22-00-SL	5200		140	12		0.56	9.7		0.28	34		1.1	0.7	U	0.7	8.3		7
NB-23-00-SL	7900		130	12		0.53	8.7		0.26	15		1.1	0.66	U	0.66	6.6	U	6.6
NB-24-00-SL	18000		130	11		0.54	8.3		0.27	14		1.1	0.67	U	0.67	6.7	U	6.7
NB-25-00-SL	67000		270	9.2		0.55	6.4		0.27	13		1.1	0.68	U	0.68	7.8		6.8
NB-26-00-SL	83000		250	4.9		0.5	2		0.25	5.6		1	0.62	U	0.62	6.2	U	6.2
NB-27-00-SL	4200		120	15		0.47	6.5		0.24	13		0.95	0.59	U	0.59	5.9	U	5.9
NB-27-00-SL-FD	4400		120	16		0.48	6.3		0.24	14		0.96	0.6	U	0.6	6	U	6
OA-01-00-SL	30000	=	120	18	=	0.47	11	=	0.23	25	=	0.94	0.58	U	0.58	14	=	5.9
OA-01-00-SL-FD	37000	=	120	17	=	0.46	13	=	0.23	24	=	0.92	0.58	U	0.58	8.8	=	5.8
OA-02-00-SL	10000	=	120	12	=	0.49	8.3	=	0.25	14	=	0.98	0.62	U	0.62	14	=	6.2
OA-03-00-SL	4700	=	120	16	=	0.48	8.5	=	0.24	16	=	0.96	0.6	U	0.6	11	=	6
OA-04-00-SL	6800	*	130	24	N	0.51	8.4		0.25	19		1	0.63	U	0.63	8.7	N	6.3
OA-05-00-SL	4200		130	12		0.51	7.9		0.25	16		1	0.63	U	0.63	20		6.3
OA-06-00-SL	18000		120	11		0.46	6.4		0.23	12		0.93	0.58	U	0.58	17		5.8
OA-07-00-SL	20000		120	14		0.48	7.4		0.24	16		0.97	0.61	U	0.61	17		6.1
OA-08-00-SL	14000	N	120	90	N	0.48	9.8		0.24	150		0.97	0.61	U	0.61	78		6.1
OA-09-00-SL	80000		580	9.2		0.46	6.4		0.23	11		0.92	0.58	U	0.58	9.1		5.8
OA-10-00-SL	29000		120	11		0.49	7.3		0.24	9.8		0.97	0.61	U	0.61	15		6.1

Table H.5 Inorganics in Surface Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Cyanide			Fluoride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-11-00-SL	110000		1100	19		0.46	4.6		0.23	18		0.92	0.57	U	0.57	130		5.7
OA-12-00-SL	1900	N	130	8.5		0.51	6.7	*	0.26	8.4	*	1	0.64	U	0.64	14		6.4
OA-13-00-SL	4900		130	15		0.52	8.4		0.26	14		1	0.65	U	0.65	38		6.5
OA-14-00-SL	3300		130	10		0.52	5.5		0.26	12		1	0.65	U	0.65	47		6.5
OA-15-00-SL	90000		250	19		0.49	6.5		0.25	17		0.99	0.62	U	0.62	57		6.2
OA-16-00-SL	29000		130	18		0.51	7		0.25	17		1	0.63	U	0.63	53		6.4
OA-20-00-SL	53000		130	13		0.53	5.5		0.26	13		1.1	0.66	U	0.66	60		6.6
OA-21-00-SL	160000		1100	9.9		0.46	1.8		0.23	12		0.92	0.57	U	0.57	100		5.7
OA-22-00-SL	200000		1100	6		0.43	0.86		0.22	6.1		0.87	0.54	U	0.54	120		5.4
OA-23-00-SL	190000		1100	9.2		0.45	300		0.23	15		0.9	0.56	U	0.56	160		5.6
OA-24-00-SL	1800		140	9.5		0.54	5.3		0.27	12		1.1	0.68	U	0.68	97		6.8
OA-25-00-SL	180000		660	10	EN*	0.53	2.4	N	0.27	13	*	1.1	0.67	U	0.67	170	N	6.7
OA-26-00-SL	210000		1100	35		0.45	3.8		0.23	43		0.9	0.56	U	0.56	95		5.6
OA-27-00-SL	2200		120	12		0.49	7.8		0.24	12		0.97	0.61	U	0.61	19		6.1
OA-28-00-SL	5600		130	10		0.52	16		0.26	24		1	0.65	U	0.65	13		6.5
OA-29-00-SL	3800		120	12		0.48	8.6		0.24	12		0.96	0.6	U	0.6	48		6
OA-30-00-SL	1700		120	12		0.48	9.5		0.24	11		0.97	0.61	U	0.61	16		6.1
OA-31-00-SL	9700		120	13		0.5	7.2		0.25	13		1	0.62	U	0.62	13		6.2
OA-32-00-SL	5700		120	13		0.5	8		0.25	12		1	0.62	U	0.62	21		6.2
OA-33-00-SL	4200		120	14		0.48	8.6		0.24	18		0.97	0.6	U	0.6	20		6.1
OA-34-00-SL	6300		120	12		0.49	8.3		0.25	11		0.99	0.62	U	0.62	21		6.2
OA-35-00-SL	7400		140	11		0.55	7.9		0.28	12		1.1	0.69	U	0.69	17		6.9
OA-36-00-SL	15000		140	12		0.55	6.8		0.27	12		1.1	0.69	U	0.69	12		6.9
OA-37-00-SL	2700		130	12		0.51	9.3		0.26	12		1	0.64	U	0.64	18		6.4
OA-38-00-SL	8400		130	12		0.51	8.3		0.25	12		1	0.63	U	0.63	11		6.3
OA-39-00-SL	10000		130	13		0.52	8.3		0.26	12		1	0.66	U	0.66	12		6.6
OA-40-00-SL	7800		130	12		0.52	7.2		0.26	11		1	0.65	U	0.65	9.7		6.5
PL-01-00-SL	1500		130	9.7		0.51	6.9		0.26	12		1	0.64	U	0.64	37	N	6.4
PL-02-00-SL	26000		120	11		0.47	5.7		0.24	20		0.94	0.59	U	0.59	5.9	U	5.9
PL-03-00-SL	1900		130	9.3		0.53	9		0.27	29		1.1	0.66	U	0.66	7		6.6
RR-01-00-SL	34000	=	120	26	=	0.5	6.8	=	0.25	37	=	1	0.62	U	0.62	25	=	6.2
RR-02-00-SL	4700	=	130	16	=	0.52	7.1	=	0.26	13	=	1	0.65	U	0.65	26	=	6.5
RR-03-00-SL	4700	=	130	12	=	0.5	6.7	=	0.25	11	=	1	0.63	U	0.63	6.6	=	6.3
SW-01-00-SL	50000	=	130	26	=	0.52	9.7	=	0.26	24	=	1	0.64	U	0.64	50	=	6.4
SW-02-00-SL	19000	=	140	24	=	0.54	16	=	0.27	39	=	1.1	0.68	U	0.68	21	=	6.8
SW-03-00-SL	21000	=	120	11	=	0.49	7.3	=	0.24	11	=	0.97	0.61	U	0.61	12	=	6.1
SW-04-00-SL	2000	=	130	13	=	0.52	10	=	0.26	10	=	1	0.65	U	0.65	14	=	6.5
LS-01-00-SL	180000		1100	10		0.46	1.7		0.23	22		0.92	0.57	U	0.57	130	N	5.7
LS-02-00-SL	200000		1100	8.9		0.46	1.2		0.23	22		0.91	0.57	U	0.57	200		5.7
LS-03-00-SL	41000		120	17		0.47	6.1		0.24	12		0.95	0.59	U	0.59	29		5.9

Table H.5 Inorganics in Surface Soils (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	5400		12	13		3.5	13000		120	190		0.23	0.023	U	0.023	11		0.58
BD-10-00-SL	61000		59	230		1.8	13000		120	370		0.23	0.37		0.023	300		0.59
BD-11-00-SL	12000		12	39		0.35	2800		120	760		0.23	0.92		0.023	110		0.59
BD-12-00-SL	24000		12	430		0.36	6800		120	770		0.24	0.53		0.024	39		0.59
BP-01-00-SL	16000		12	25		0.35	2800		120	1000		0.23	0.034		0.023	12		0.58
BP-02-00-SL	12000		14	36		0.41	8700		140	590		0.27	0.037		0.027	12		0.69
BP-03-00-SL	16000		13	37		0.38	1300		130	1200		0.25	0.07		0.025	26		0.63
BP-04-00-SL	13000		12	14		1.8	11000		120	390		0.25	0.026		0.025	31		0.62
BP-05-00-SL	20000		13	50		0.78	2100		130	2500		0.52	0.04		0.026	15		0.65
BP-06-00-SL	15000		12	27		0.37	2500		120	560		0.25	0.025	U	0.025	14		0.62
BP-07-00-SL	13000		13	100		0.38	2600		130	910		0.25	0.15		0.025	27		0.63
BP-08-00-SL	16000		12	25		0.36	1600		120	760		0.24	0.024	U	0.024	15		0.6
BP-09-00-SL	15000		12	42		0.37	1500		120	1000		0.25	0.025		0.025	15		0.62
BP-10-00-SL	14000		12	46		0.37	1300		120	800		0.25	0.027		0.025	12		0.62
BP-11-00-SL	15000		12	28		0.36	2000		120	850		0.24	0.024	U	0.024	13		0.6
BP-12-00-SL	18000		12	25		0.36	1900		120	690		0.24	0.024	U	0.024	15		0.6
CB-01-00-SL	11000	J	13	24	=	0.76	2200	=	130	610	J	0.25	0.046		0.025	13	=	0.64
CB-01-00-SL-FD	17000	J	13	34	=	0.4	2800	=	130	910	J	0.26	0.066		0.026	19	=	0.66
DM-01-00-SL	7300		12	34		1.8	4600		120	460		0.24	0.046		0.024	22		0.6
DM-02-00-SL	16000		12	52		3.6	10000		120	240		0.24	0.091		0.024	30		0.61
EP-01-00-SL	8300		12	48		3.7	6400		120	180		0.24	3.4		0.24	90		0.61
EP-02-00-SL	31000		27	200		2.1	25000		140	700		0.27	2.6		0.27	150		0.68
EP-03-00-SL	20000		13	26		0.38	2800		130	610		0.26	0.82		0.026	39		0.64
EP-04-00-SL	22000		14	200		0.41	3800		140	560		0.27	2.8		0.27	240		0.68
EP-04-00-SL-FD	27000		25	230		0.76	3500		130	600		0.25	3.2		0.25	220		0.63
EP-05-00-SL	12000		13	30		0.38	1100		130	270		0.25	0.077		0.025	11		0.63
EP-06-00-SL	23000		36	200		1.1	2500		120	2900		0.73	0.15		0.024	51		0.6
EP-07-00-SL	18000		12	27		0.37	2700	*	120	700		0.24	0.052		0.024	17		0.61
EP-08-00-SL	6700		12	38		3.5	9400		120	250		0.24	0.2		0.024	21		0.59
EP-09-00-SL	12000		13	140		0.39	1200		130	310		0.26	0.045		0.026	10		0.65
EP-10-00-SL	5500		12	26		3.5	13000		120	210		0.23	0.042		0.023	24		0.58
EP-11-00-SL	12000		14	140		0.41	2700		140	300		0.28	0.05		0.028	14		0.69
EP-12-00-SL	12000		13	100		0.38	3100		130	430		0.26	0.061		0.026	18		0.64
GS-01-00-SL	14000		12	32		0.37	2100		120	330		0.25	0.042		0.025	20		0.62
GS-01-00-SL-FD	16000		12	38		0.37	2300		120	340		0.25	0.044		0.025	21		0.61
GS-02-00-SL	15000		13	39		0.38	1600		130	880		0.26	0.044		0.026	15		0.64
GS-03-00-SL	9600		12	49		0.35	27000		120	470		0.24	0.028		0.024	11		0.59
GS-04-00-SL	20000		13	56		0.39	2400		130	960		0.26	0.047		0.026	20		0.65
GS-05-00-SL	14000		13	53		0.4	11000		130	440		0.27	0.046		0.027	13		0.67
LF-01-00-SL	15000		12	25		0.36	4400		120	460		0.24	0.025		0.024	18		0.6
LF-02-00-SL	6500		11	17		3.3	8100		110	200		0.22	0.022	U	0.022	11		0.55
LF-03-00-SL	9300		12	29		0.69	5900		120	390		0.23	0.035		0.023	8.2		0.58

Table H.5 Inorganics in Surface Soils (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
LF-04-00-SL	15000		12	45		0.74	3700		120	1300		0.5	0.029		0.025	14		0.62
LF-05-00-SL	13000		12	6.4		0.71	5600		120	370		0.24	0.024	U	0.024	14		0.59
NB-01-00-SL	12000		13	95		0.4	35000		130	430		0.27	0.062		0.027	10		0.66
NB-02-00-SL	16000		12	54		0.73	39000		120	510		0.24	0.024	U	0.024	11		0.61
NB-03-00-SL	11000		13	61		0.76	39000		130	330		0.25	0.031		0.025	8.3		0.63
NB-04-00-SL	19000		12	490		0.36	9300		120	810		0.24	0.044		0.024	20		0.61
NB-05-00-SL	19000		12	230		0.37	2700		120	930		0.25	0.033		0.025	14		0.62
NB-06-00-SL	11000		12	55		0.37	1700		120	1200		0.25	0.026		0.025	12		0.62
NB-07-00-SL	12000		12	37		0.36	1500		120	1100		0.24	0.024		0.024	14		0.61
NB-07-00-SL-FD	12000		12	37		0.36	2200		120	1100		0.24	0.025		0.024	13		0.61
NB-08-00-SL	11000		12	44		0.37	1000		120	970		0.25	0.028		0.025	12		0.62
NB-09-00-SL	13000		13	79		0.38	1400		130	930		0.26	0.047		0.026	14		0.64
NB-10-00-SL	14000		13	110		0.39	3100		130	790		0.26	0.067		0.026	12		0.65
NB-11-00-SL	17000		13	130		0.8	3700		130	1400		0.53	0.39		0.027	25		0.66
NB-12-00-SL	14000		13	110		0.4	3000		130	870		0.26	0.081		0.026	13		0.66
NB-13-00-SL	15000		13	72		0.4	1600		130	920		0.26	0.045		0.026	13		0.66
NB-14-00-SL	13000		16	200		0.99	4000		160	2500		0.66	0.084		0.033	20		0.82
NB-15-00-SL	20000		13	110		0.39	1900		130	840		0.26	0.065		0.026	16		0.65
NB-16-00-SL	16000		12	28		0.36	1600		120	650		0.24	0.024	U	0.024	13		0.6
NB-17-00-SL	9500		13	23		0.38	810		130	880		0.25	0.025	U	0.025	11		0.62
NB-18-00-SL	7300		12	28		0.36	790		120	640		0.24	0.03		0.024	7.7		0.61
NB-19-00-SL	16000		13	42		0.39	1600		130	860		0.26	0.026		0.026	13		0.65
NB-20-00-SL	17000		12	79		0.37	1900		120	590		0.25	0.04		0.025	12		0.62
NB-21-00-SL	18000		12	26		0.73	2800		120	1300		0.49	0.024	U	0.024	15		0.61
NB-22-00-SL	17000		14	370		0.42	2300		140	800		0.28	0.059		0.028	15		0.7
NB-23-00-SL	14000		13	130		0.4	4300		130	790		0.26	0.066		0.026	13		0.66
NB-24-00-SL	13000		13	97		0.4	9300		130	770		0.27	0.072		0.027	12		0.67
NB-25-00-SL	11000		14	97		0.82	20000		140	540		0.27	0.048		0.027	11		0.68
NB-26-00-SL	4500		12	41		0.75	53000		120	190		0.25	0.025	U	0.025	5.3		0.62
NB-27-00-SL	16000		12	51		0.36	2800		120	670		0.24	0.03		0.024	15		0.59
NB-27-00-SL-FD	18000		12	54		0.36	2800		120	540		0.24	0.029		0.024	15		0.6
OA-01-00-SL	14000	J	12	370	=	0.35	11000	=	120	540	J	0.23	0.1		0.023	13	=	0.58
OA-01-00-SL-FD	14000	J	12	520	=	0.35	9000	=	120	490	J	0.23	0.086		0.023	13	=	0.58
OA-02-00-SL	12000	J	12	62	=	0.37	5200	=	120	970	J	0.25	0.094		0.025	15	=	0.62
OA-03-00-SL	18000	J	12	44	=	0.72	2800	=	120	1200	J	0.48	0.029		0.024	20	=	0.6
OA-04-00-SL	16000		13	560		0.38	3000	*	130	990		0.25	0.051		0.025	16		0.63
OA-05-00-SL	13000		13	140		0.38	1900		130	810		0.25	0.028		0.025	11		0.63
OA-06-00-SL	13000		12	29		0.35	2500		120	600		0.23	0.023	U	0.023	11		0.58
OA-07-00-SL	15000		12	38		0.36	2700		120	630		0.24	0.34		0.024	14		0.61
OA-08-00-SL	36000	*	24	270		0.73	2600		120	660	*	0.24	0.62		0.024	61		0.61
OA-09-00-SL	9900		12	42		1.7	3600		120	590		0.23	0.078		0.023	9.7		0.58
OA-10-00-SL	12000		12	19		0.36	5200		120	660		0.24	0.027		0.024	11		0.61

Table H.5 Inorganics in Surface Soils (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-11-00-SL	9800		11	28		3.4	4400		110	290		0.23	0.84		0.023	15		0.57
OA-12-00-SL	9000		13	36		1.2	810		130	780	*	0.77	0.026	U	0.026	11		0.64
OA-13-00-SL	17000		13	1400		3.9	1800		130	720		0.26	1.1		0.052	16		0.65
OA-14-00-SL	9300		13	32		0.39	1100		130	640		0.26	0.081		0.026	13		0.65
OA-15-00-SL	12000		12	35		0.74	4000		120	430		0.25	0.033		0.025	19		0.62
OA-16-00-SL	15000		13	38		0.38	4500		130	690		0.25	0.034		0.025	16		0.63
OA-20-00-SL	8000		13	32		0.39	3900		130	530		0.26	0.036		0.026	13		0.66
OA-21-00-SL	3200		11	16		3.4	6100		110	94		0.23	0.034		0.023	10		0.57
OA-22-00-SL	1600		11	3.7		3.3	14000		110	41		0.22	0.022	U	0.022	7.9		0.54
OA-23-00-SL	3200		11	13		3.4	11000		110	140		0.23	0.58		0.023	21		0.56
OA-24-00-SL	9500		14	60		0.41	1300		140	560		0.27	0.042		0.027	10		0.68
OA-25-00-SL	5000	*	13	26	EN*	2	9300	*N	130	230	*N	0.27	0.027	U	0.027	16	EN	0.66
OA-26-00-SL	14000		11	45		3.4	10000		110	110		0.23	0.12		0.023	36		0.56
OA-27-00-SL	14000		12	51		0.36	1500		120	580		0.24	0.03		0.024	13		0.61
OA-28-00-SL	12000		13	110		0.39	1500		130	770		0.26	0.027		0.026	13		0.65
OA-29-00-SL	14000		12	26		0.36	1800		120	800		0.24	0.024	U	0.024	14		0.6
OA-30-00-SL	15000		12	28		0.36	1400		120	1000		0.24	0.024	U	0.024	14		0.61
OA-31-00-SL	15000		12	44		0.37	2200		120	720		0.25	0.025	U	0.025	13		0.62
OA-32-00-SL	14000		12	36		0.37	1700		120	740		0.25	0.11		0.025	13		0.62
OA-33-00-SL	13000		12	37		0.36	1400		120	930		0.24	0.024	U	0.024	15		0.6
OA-34-00-SL	15000		12	40		0.37	3300		120	700		0.25	0.038		0.025	13		0.62
OA-35-00-SL	13000		14	51		0.41	3500		140	670		0.28	0.045		0.028	12		0.69
OA-36-00-SL	13000		14	38		0.41	6500		140	530		0.27	0.043		0.027	13		0.69
OA-37-00-SL	17000		13	62		0.39	1700		130	740		0.26	0.029		0.026	14		0.64
OA-38-00-SL	15000		13	56		0.38	4300		130	750		0.25	0.044		0.025	13		0.63
OA-39-00-SL	15000		13	49		0.39	5000		130	680		0.26	0.045		0.026	13		0.66
OA-40-00-SL	14000		13	41		0.39	4400		130	540		0.26	0.035		0.026	13		0.65
PL-01-00-SL	10000		13	54		0.38	1100		130	820		0.26	0.027		0.026	13		0.64
PL-02-00-SL	13000		12	36		0.35	2300		120	520		0.24	0.024	U	0.024	8.6		0.59
PL-03-00-SL	13000		13	130		0.4	1000		130	1100		0.27	0.032		0.027	13		0.66
RR-01-00-SL	15000	J	12	42	=	0.37	4400	=	120	560	J	0.25	0.41		0.025	33	=	0.62
RR-02-00-SL	15000	J	13	29	=	0.39	1600	=	130	680	J	0.26	0.028		0.026	15	=	0.65
RR-03-00-SL	15000	J	13	39	=	0.38	1700	=	130	640	J	0.25	0.025	U	0.025	10	=	0.63
SW-01-00-SL	18000	J	13	39	=	0.77	5600	=	130	1500	J	0.52	0.22		0.026	27	=	0.64
SW-02-00-SL	27000	J	14	68	=	2	8700	=	140	4400	J	1.4	0.68		0.027	31	=	0.68
SW-03-00-SL	14000	J	12	28	=	0.37	2800	=	120	790	J	0.24	0.024	U	0.024	12	=	0.61
SW-04-00-SL	17000	J	13	33	=	0.77	1600	=	130	1800	J	0.52	0.034		0.026	15	=	0.65
LS-01-00-SL	3300		11	14		3.4	7300		110	110		0.23	0.028		0.023	37		0.57
LS-02-00-SL	2400		11	5.2		3.4	17000		110	68		0.23	0.023	U	0.023	19		0.57
LS-03-00-SL	13000		12	26		0.36	6400		120	540		0.24	0.035		0.024	13		0.59

Table H.5 Inorganics in Surface Soils (mg/kg)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	5600		120	0.58	U	0.58	0.58	U	0.58	2000		120	0.93	U	0.93	15		0.58	34		0.7
BD-10-00-SL	4200		120	2.9	U	2.9	1.1		0.59	1600		120	4.7	U	4.7	18		0.59	520		0.7
BD-11-00-SL	7200		120	0.63		0.59	0.59	U	0.59	1500		120	0.94	U	0.94	32		0.59	99		0.7
BD-12-00-SL	2600		120	1.2		0.59	0.59	U	0.59	190		120	0.95	U	0.95	31		0.59	290		0.71
BP-01-00-SL	980		120	0.89		0.58	0.58	U	0.58	120	U	120	0.93	U	0.93	28		0.58	49		0.69
BP-02-00-SL	740		140	0.69	U	0.69	0.69	U	0.69	140	U	140	1.1	U	1.1	20		0.69	46		0.82
BP-03-00-SL	950		130	1.5		0.63	0.63	U	0.63	130	U	130	1.1		1	24		0.63	120		0.76
BP-04-00-SL	8000		120	0.62	U	0.62	0.62	U	0.62	1700		120	0.99	U	0.99	36		0.62	41		0.74
BP-05-00-SL	1100		130	1.8		0.65	0.65	U	0.65	130	U	130	2.1	U	2.1	37		0.65	68		0.78
BP-06-00-SL	980		120	0.62	U	0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	26		0.62	63		0.74
BP-07-00-SL	1100		130	0.92		0.63	0.63	U	0.63	130	U	130	1	U	1	23		0.63	290		0.76
BP-08-00-SL	990		120	1.2		0.6	0.6	U	0.6	380		120	0.95	U	0.95	27		0.6	49		0.71
BP-09-00-SL	860		120	0.75		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	26		0.62	45		0.74
BP-10-00-SL	760		120	0.62	U	0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	24		0.62	42		0.74
BP-11-00-SL	850		120	0.93		0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	26		0.6	42		0.72
BP-12-00-SL	1000		120	0.94		0.6	0.6	U	0.6	120	U	120	0.97	U	0.97	29		0.6	46		0.72
CB-01-00-SL	1400	=	130	0.64	U	0.64	0.64	U	0.64	130	U	130	1	U	1	22	=	0.64	52	=	0.76
CB-01-00-SL-FD	1500	=	130	0.85	=	0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	34	=	0.66	81	=	0.79
DM-01-00-SL	6600		120	0.83		0.6	0.6	U	0.6	2300		120	0.97	U	0.97	21		0.6	80		0.72
DM-02-00-SL	6600		120	0.61	U	0.61	1.1		0.61	2200		120	0.97	U	0.97	20		0.61	310		0.73
EP-01-00-SL	5000		120	0.61	U	0.61	0.61		0.61	1800		120	0.97	U	0.97	15		0.61	90		0.73
EP-02-00-SL	7200		140	1.4	U	1.4	2		0.68	1300		140	2.2	U	2.2	28		0.68	520		0.82
EP-03-00-SL	3600		130	0.64	U	0.64	0.64	U	0.64	130	U	130	1	U	1	40		0.64	81		0.77
EP-04-00-SL	1700		140	1.3		0.68	1.6		0.68	210		140	1.4		1.1	25		0.68	1300		0.81
EP-04-00-SL-FD	1500		130	1.3	U	1.3	2		0.63	190		130	2	U	2	30		0.63	1500		1.5
EP-05-00-SL	3400		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	22		0.63	41		0.75
EP-06-00-SL	1100		120	1.8	U	1.8	0.6	U	0.6	120	U	120	2.9	U	2.9	35		0.6	660		0.73
EP-07-00-SL	1500		120	0.91		0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	32		0.61	76		0.73
EP-08-00-SL	5900		120	2.9		0.59	0.59	U	0.59	2100		120	0.94	U	0.94	20		0.59	69		0.71
EP-09-00-SL	1000		130	0.9		0.65	0.65	U	0.65	130	U	130	1	U	1	20		0.65	500		0.78
EP-10-00-SL	4800		120	4.1		0.58	0.58	U	0.58	2000		120	0.93	U	0.93	18		0.58	70		0.7
EP-11-00-SL	3300		140	0.78		0.69	0.69	U	0.69	340		140	1.1	U	1.1	30		0.69	280		0.83
EP-12-00-SL	4900		130	0.64	U	0.64	0.64	U	0.64	740		130	1	U	1	31		0.64	900		0.77
GS-01-00-SL	1100		120	0.78		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	25		0.62	29		0.75
GS-01-00-SL-FD	1200		120	0.74		0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	26		0.61	34		0.74
GS-02-00-SL	1200		130	1.3		0.64	0.64	U	0.64	130	U	130	1.1		1	26		0.64	42		0.77
GS-03-00-SL	1000		120	0.83		0.59	0.59	U	0.59	120	U	120	0.94	U	0.94	15		0.59	66		0.71
GS-04-00-SL	1100		130	1.7		0.65	0.65	U	0.65	130	U	130	1.4		1	35		0.65	130		0.78
GS-05-00-SL	1100		130	0.67	U	0.67	0.67	U	0.67	130	U	130	1.1	U	1.1	21		0.67	79		0.8
LF-01-00-SL	1600		120	0.6	U	0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	27		0.6	100		0.72
LF-02-00-SL	1000		110	0.55	U	0.55	0.55	U	0.55	150		110	0.88	U	0.88	11		0.55	38		0.66
LF-03-00-SL	970		120	0.58	U	0.58	0.58	U	0.58	120	U	120	0.92	U	0.92	16		0.58	310		0.69

Table H.5 Inorganics in Surface Soils (mg/kg)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
LF-04-00-SL	750		120	0.95		0.62	0.62	U	0.62	120	U	120	2	U	2	25		0.62	81		0.74
LF-05-00-SL	2900		120	0.63		0.59	0.59	U	0.59	630		120	0.94	U	0.94	33		0.59	280		0.71
NB-01-00-SL	1200		130	0.66	U	0.66	0.66	U	0.66	140		130	1.1	U	1.1	18		0.66	52		0.8
NB-02-00-SL	660		120	0.61	U	0.61	0.61	U	0.61	150		120	0.97	U	0.97	17		0.61	74		0.73
NB-03-00-SL	840		130	0.63	U	0.63	0.63	U	0.63	150		130	1	U	1	15		0.63	49		0.76
NB-04-00-SL	620		120	1.2		0.61	0.61	U	0.61	180		120	0.97	U	0.97	14		0.61	140		0.73
NB-05-00-SL	940		120	1.4		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	27		0.62	110		0.74
NB-06-00-SL	610		120	1.3		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	21		0.62	56		0.75
NB-07-00-SL	690		120	1.2		0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	22		0.61	61		0.73
NB-07-00-SL-FD	690		120	0.94		0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	21		0.61	61		0.73
NB-08-00-SL	660		120	0.84		0.62	0.62	U	0.62	120	U	120	0.98	U	0.98	20		0.62	52		0.74
NB-09-00-SL	760		130	1.2		0.64	0.64	U	0.64	130	U	130	1	U	1	23		0.64	130		0.77
NB-10-00-SL	790		130	1.1		0.65	0.65	U	0.65	130	U	130	1	U	1	23		0.65	400		0.78
NB-11-00-SL	890		130	1.8		0.66	0.66	U	0.66	130	U	130	2.1	U	2.1	27		0.66	380		0.8
NB-12-00-SL	820		130	0.96		0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	24		0.66	310		0.79
NB-13-00-SL	940		130	0.93		0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	25		0.66	100		0.79
NB-14-00-SL	850		160	1.7		0.82	0.82	U	0.82	160	U	160	2.6	U	2.6	21		0.82	180		0.99
NB-15-00-SL	840		130	0.96		0.65	0.65	U	0.65	130	U	130	1.1		1	30		0.65	100		0.77
NB-16-00-SL	650		120	1.2		0.6	0.6	U	0.6	120	U	120	0.97	U	0.97	28		0.6	38		0.73
NB-17-00-SL	520		130	1.2		0.62	0.62	U	0.62	130	U	130	1	U	1	19		0.62	26		0.75
NB-18-00-SL	380		120	0.83		0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	15		0.61	29		0.73
NB-19-00-SL	720		130	0.85		0.65	0.65	U	0.65	130	U	130	1	U	1	26		0.65	50		0.78
NB-20-00-SL	1100		120	0.94		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	30		0.62	140		0.74
NB-21-00-SL	1200		120	0.87		0.61	0.61	U	0.61	120	U	120	1.9	U	1.9	30		0.61	46		0.73
NB-22-00-SL	920		140	0.92		0.7	0.7	U	0.7	140	U	140	1.1	U	1.1	23		0.7	110		0.84
NB-23-00-SL	780		130	1.1		0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	23		0.66	540		0.79
NB-24-00-SL	730		130	0.93		0.67	0.67	U	0.67	130	U	130	1.1	U	1.1	21		0.67	370		0.8
NB-25-00-SL	1000		140	0.68	U	0.68	0.68	U	0.68	140	U	140	1.1	U	1.1	17		0.68	120		0.82
NB-26-00-SL	560		120	0.62	U	0.62	0.62	U	0.62	200		120	1	U	1	8.7		0.62	25		0.75
NB-27-00-SL	990		120	1.1		0.59	0.59	U	0.59	120	U	120	0.95	U	0.95	26		0.59	43		0.71
NB-27-00-SL-FD	1100		120	1.1		0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	28		0.6	47		0.72
OA-01-00-SL	830	=	120	0.58	U	0.58	0.58	U	0.58	130	U	120	0.94	U	0.94	20	=	0.58	610	=	0.7
OA-01-00-SL-FD	870	=	120	0.8	=	0.58	0.58	U	0.58	130	U	120	0.92	U	0.92	18	=	0.58	660	=	0.69
OA-02-00-SL	1100	=	120	0.98	=	0.62	0.62	U	0.62	120	U	120	0.98	U	0.98	20	=	0.62	72	=	0.74
OA-03-00-SL	1500	=	120	0.79	=	0.6	0.6	U	0.6	130	=	120	2.2	=	1.9	29	=	0.6	66	=	0.72
OA-04-00-SL	1600		130	1.1		0.63	1.1		0.63	130	U	130	1	U	1	24		0.63	200	N	0.76
OA-05-00-SL	950		130	0.73		0.63	0.63	U	0.63	130	U	130	1	U	1	23		0.63	86		0.76
OA-06-00-SL	980		120	0.58	U	0.58	0.58	U	0.58	120	U	120	0.93	U	0.93	24		0.58	49		0.7
OA-07-00-SL	980		120	0.62		0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	26		0.61	68		0.73
OA-08-00-SL	1500		120	1.4		1.2	0.61	U	0.61	120	U	120	2.1		1.9	29		0.61	350		0.73
OA-09-00-SL	1100		120	0.58	U	0.58	0.58	U	0.58	120	U	120	0.92	U	0.92	17		0.58	140		0.69
OA-10-00-SL	1100		120	0.61	U	0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	22		0.61	36		0.73

Table H.5 Inorganics in Surface Soils (mg/kg)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-11-00-SL	6700		110	0.57	U	0.57	0.57	U	0.57	2500		110	0.92	U	0.92	27		0.57	92		0.69
OA-12-00-SL	500		130	0.65		0.64	0.64	U	0.64	130	U	130	3.1	U	3.1	17		0.64	39	*	0.77
OA-13-00-SL	1000		130	0.84		0.65	0.65	U	0.65	130	U	130	1	U	1	29		0.65	60		0.78
OA-14-00-SL	560		130	0.81		0.65	0.65	U	0.65	130	U	130	1	U	1	18		0.65	78		0.78
OA-15-00-SL	2000		120	0.78		0.62	0.62	U	0.62	250		120	0.99	U	0.99	30		0.62	150		0.74
OA-16-00-SL	1500		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	31		0.63	160		0.76
OA-20-00-SL	5800		130	1.3		0.66	0.66	U	0.66	1300		130	1.1	U	1.1	25		0.66	35		0.79
OA-21-00-SL	3700		110	0.57	U	0.57	0.57	U	0.57	1700		110	0.92	U	0.92	11		0.57	55		0.69
OA-22-00-SL	1000		110	0.54	U	0.54	0.54	U	0.54	1300		110	0.87	U	0.87	5.4		0.54	19		0.65
OA-23-00-SL	2300		110	0.56	U	0.56	0.56	U	0.56	1500		110	0.9	U	0.9	8.1		0.56	43		0.68
OA-24-00-SL	830		140	0.68	U	0.68	0.68	U	0.68	140	U	140	1.1	U	1.1	18		0.68	330		0.81
OA-25-00-SL	7800	E*	660	0.66	U	0.66	0.66	U	0.66	3300	*	130	1.1	U	1.1	15	*	0.66	34	*N	0.8
OA-26-00-SL	2200		110	0.56	U	0.56	0.57		0.56	1700		110	0.9	U	0.9	11		0.56	200		0.68
OA-27-00-SL	710		120	0.85		0.61	0.61	U	0.61	230		120	0.97	U	0.97	23		0.61	73		0.73
OA-28-00-SL	860		130	1.1		0.65	0.65	U	0.65	130	U	130	1	U	1	21		0.65	370		0.78
OA-29-00-SL	1100		120	0.77		0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	24		0.6	46		0.72
OA-30-00-SL	870		120	0.73		0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	25		0.61	38		0.73
OA-31-00-SL	1100		120	0.62	U	0.62	0.62	U	0.62	120	U	120	1	U	1	27		0.62	58		0.75
OA-32-00-SL	990		120	0.62	U	0.62	0.62	U	0.62	120	U	120	1	U	1	26		0.62	61		0.75
OA-33-00-SL	970		120	0.61		0.6	0.6	U	0.6	120	U	120	0.97	U	0.97	24		0.6	53		0.73
OA-34-00-SL	750		120	0.81		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	25		0.62	41		0.74
OA-35-00-SL	800		140	0.74		0.69	0.69	U	0.69	140	U	140	1.1	U	1.1	23		0.69	43		0.83
OA-36-00-SL	880		140	0.69	U	0.69	0.69	U	0.69	140	U	140	1.1	U	1.1	24		0.69	47		0.82
OA-37-00-SL	1000		130	0.77		0.64	0.64	U	0.64	130	U	130	1	U	1	27		0.64	54		0.77
OA-38-00-SL	820		130	0.91		0.63	0.63	U	0.63	130	U	130	1	U	1	25		0.63	59		0.76
OA-39-00-SL	830		130	0.94		0.66	0.66	U	0.66	130	U	130	1	U	1	26		0.66	54		0.79
OA-40-00-SL	630		130	0.71		0.65	0.65	U	0.65	130	U	130	1	U	1	23		0.65	44		0.78
PL-01-00-SL	760		130	0.81		0.64	0.64	U	0.64	130	U	130	1	U	1	19		0.64	49		0.77
PL-02-00-SL	840		120	0.98		0.59	0.59	U	0.59	120	U	120	0.94	U	0.94	23		0.59	65		0.71
PL-03-00-SL	870		130	1.3		0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	20		0.66	75		0.8
RR-01-00-SL	3400	=	120	0.62	U	0.62	0.62	U	0.62	360	=	120	1	U	1	34	=	0.62	130	=	0.75
RR-02-00-SL	1400	=	130	0.69	=	0.65	0.65	U	0.65	130	U	130	1	=	1	29	=	0.65	54	=	0.78
RR-03-00-SL	990	=	130	0.9	=	0.63	0.63	U	0.63	130	U	130	1	U	1	27	=	0.63	59	=	0.75
SW-01-00-SL	6000	=	130	1.3	=	0.64	0.64	U	0.64	920	=	130	2.1	U	2.1	45	=	0.64	98	=	0.77
SW-02-00-SL	1600	=	140	2.6	=	0.68	0.78	=	0.68	140	U	140	5.4	U	5.4	36	=	0.68	170	=	0.82
SW-03-00-SL	850	=	120	0.79	=	0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	23	=	0.61	50	=	0.73
SW-04-00-SL	710	=	130	1.5	=	0.65	0.65	U	0.65	130	U	130	2.1	U	2.1	28	=	0.65	50	=	0.77
LS-01-00-SL	3100		110	0.57	U	0.57	0.57	U	0.57	1700		110	0.92	U	0.92	13		0.57	27		0.69
LS-02-00-SL	2100		110	0.57	U	0.57	0.57	U	0.57	1100		110	0.91	U	0.91	8.4		0.57	19		0.69
LS-03-00-SL	2000		120	0.59	U	0.59	0.59	U	0.59	120		120	0.95	U	0.95	32		0.59	79		0.71

Table H.5a Inorganics in Off-site Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BG-01-00-SL	4500		12	0.95	U	0.95	5.1		0.84	290		0.6	0.39		0.36	0.5		0.24
BG-01-03-SL	5800		12	0.96	U	0.96	5.5		0.84	170		0.6	0.49		0.36	0.24	U	0.24
BG-02-00-SL	5900		12	0.99	U	0.99	6		0.86	300		0.62	0.49		0.37	0.54		0.25
BG-02-03-SL	7000		11	0.92	U	0.92	5.7		0.8	180		0.57	0.58		0.34	0.25		0.23
BG-03-00-SL	5800		13	1	U	1	6.5		0.92	300		0.65	0.5		0.39	0.6		0.26
BG-03-03-SL	7000		12	0.93	U	0.93	6.1		0.81	320		0.58	0.55		0.35	0.72		0.23
BG-04-00-SL	6700		15	1.2	U	1.2	6.6		1	330		0.73	0.55		0.44	0.56		0.29
BG-04-03-SL	7200		12	1	U	1	6		0.87	170		0.62	0.6		0.37	0.25	U	0.25
BG-05-00-SL	7900		12	0.99	U	0.99	6.6		0.87	200		0.62	0.6		0.37	0.28		0.25
BG-05-03-SL	8300		13	1	U	1	6.5		0.9	220		0.64	0.65		0.38	0.26	U	0.26
BG-06-00-SL	6300		13	1	U	1	5.8		0.88	280		0.63	0.5		0.38	0.47		0.25
BG-06-03-SL	7700		13	1	U	1	6		0.91	200		0.65	0.6		0.39	0.26	U	0.26
BG-07-00-SL	5600		12	0.96	U	0.96	5.7		0.84	330		0.6	0.45		0.36	0.56		0.24
BG-07-03-SL	7200		12	0.98	U	0.98	5.7		0.86	180		0.61	0.57		0.37	0.25	U	0.25
BG-08-00-SL	17000		13	1	U	1	9.5		0.91	110		0.65	0.77		0.39	0.52	U	0.52
BG-08-03SL	17000		12	0.97	U	0.97	9.8		0.85	150		0.61	0.9		0.36	0.48	U	0.48
BG-09-00-SL	14000		13	1	U	1	8.3		0.88	120		0.63	0.67		0.38	0.25	U	0.25
BG-09-03-SL	16000		12	0.98	U	0.98	7.3		0.85	160		0.61	0.92		0.37	0.24	U	0.24
BG-10-00-SL	15000		13	1	UN	1	7.1		0.89	110		0.64	0.73		0.38	0.25	U	0.25
BG-10-03-SL	13000		12	0.96	UN	0.96	7.4		0.84	170		0.6	0.89		0.36	0.24	U	0.24
BG-11-00-SL	16000		13	1.1	U	1.1	9.6		0.94	130		0.67	0.71		0.4	0.27	U	0.27
BG-11-03-SL	17000		12	0.99	U	0.99	8		0.87	170		0.62	0.88		0.37	0.5	U	0.5
BG-12-00-SL	13000		14	1.1	U	1.1	8.3		0.95	130		0.68	0.68		0.41	0.27	U	0.27
BG-12-03-SL	15000		13	1	U	1	8.8		0.88	130		0.63	0.67		0.38	0.25	U	0.25
BG-13-00-SL	11000		15	1.2	U	1.2	7.5		1	190		0.73	0.7		0.44	0.29	U	0.29
BG-13-03-SL	14000		13	1.1	U	1.1	7.9		0.92	130		0.66	0.72		0.39	0.26	U	0.26
BG-14-00-SL	13000		13	1	U	1	8.8		0.88	160		0.63	0.65		0.38	0.25	U	0.25
BG-14-03-SL	17000		12	0.95	U	0.95	8.9		0.83	140		0.59	0.74		0.36	0.47	U	0.47
BG-15-00-SL	5300		12	0.96	U	0.96	5.2		0.84	97		0.6	0.36	U	0.36	0.24	U	0.24
BG-15-03-SL	15000		12	0.97	U	0.97	8		0.85	80		0.61	0.85		0.36	0.24	U	0.24
BG-16-00-SL	6000		13	1	U	1	6.4		0.89	340		0.63	0.49		0.38	0.51		0.25
BG-16-03-SL	7000		12	0.98	U	0.98	5.7		0.86	170		0.62	0.56		0.37	0.25	U	0.25

Table H.5a Inorganics in Off-site Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Iron			Lead		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BG-01-00-SL	8000		120	8		0.48	5.9		0.24	8.2		0.95	9700		12	73		0.36
BG-01-03-SL	3000		120	11		0.48	6.3		0.24	8.5		0.96	12000		12	54		0.36
BG-02-00-SL	9400		120	9.5		0.49	7		0.25	11		0.99	12000		12	79		0.37
BG-02-03-SL	2300		110	11		0.46	7.3		0.23	9.9		0.92	14000		11	32		0.34
BG-03-00-SL	10000		130	9.5		0.52	7.2		0.26	11		1	12000		13	81		0.39
BG-03-03-SL	5300		120	11		0.46	6.8		0.23	13		0.93	13000		12	90		0.35
BG-04-00-SL	12000		150	10		0.58	7.8		0.29	13		1.2	13000		15	80		0.44
BG-04-03-SL	1900		120	11		0.5	7.7		0.25	11		1	14000		12	24		0.37
BG-05-00-SL	3300		120	11		0.5	7.9		0.25	11		0.99	15000		12	41		0.37
BG-05-03-SL	2400		130	12		0.51	7.6		0.26	12		1	15000		13	62		0.38
BG-06-00-SL	11000		130	9.8		0.51	6.9		0.25	11		1	12000		13	68		0.38
BG-06-03-SL	3600		130	12		0.52	7.1		0.26	11		1	14000		13	53		0.39
BG-07-00-SL	14000		120	9.3		0.48	6.6		0.24	10		0.96	11000		12	79		0.36
BG-07-03-SL	3200		120	11		0.49	7.1		0.25	9.7		0.98	13000		12	40		0.37
BG-08-00-SL	1400		130	16		0.52	17		0.26	13		1	25000		26	23		0.78
BG-08-03SL	1300		120	24		0.48	8.4		0.24	13		0.97	24000		24	22		0.73
BG-09-00-SL	1800		130	15		0.5	10		0.25	12		1	22000		13	19		0.38
BG-09-03-SL	1200		120	18		0.49	14		0.24	13		0.98	22000		12	21		0.37
BG-10-00-SL	830		130	16		0.51	4.8		0.25	11		1	23000		13	12		0.38
BG-10-03-SL	940		120	19		0.48	7.8		0.24	10		0.96	22000		12	20		0.36
BG-11-00-SL	1900		130	17		0.54	9.6		0.27	13		1.1	26000		13	18		0.4
BG-11-03-SL	1100		120	18		0.5	12		0.25	12		0.99	24000		25	19		0.75
BG-12-00-SL	1900		140	14		0.55	11		0.27	11		1.1	22000		14	27		0.41
BG-12-03-SL	1100		130	17		0.51	14		0.25	12		1	24000		13	16		0.38
BG-13-00-SL	3300		150	13		0.58	13		0.29	12		1.2	18000		15	36		0.44
BG-13-03-SL	1100		130	14		0.53	9.5		0.26	11		1.1	21000		13	15		0.39
BG-14-00-SL	2400		130	16		0.5	11		0.25	12		1	21000		13	34		0.38
BG-14-03-SL	1900		120	19		0.47	8.1		0.24	13		0.95	24000		24	17		0.71
BG-15-00-SL	5300		120	11		0.48	5.4		0.24	7.6		0.96	11000		12	34		0.36
BG-15-03-SL	1500		120	15		0.48	13		0.24	10		0.97	22000		12	24		0.36
BG-16-00-SL	13000		130	10		0.51	7		0.25	11		1	12000		13	78		0.38
BG-16-03-SL	2800		120	10		0.49	6.9		0.25	9.3		0.98	13000		12	29		0.37

Table H.5a Inorganics in Off-site Soils (mg/kg)

Sample ID	Magnesium			Manganese			Mercury			Nickel			Potassium			Selenium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BG-01-00-SL	3900		120	600		0.24	0.036		0.024	8.7		0.6	460		120	0.6		0.6
BG-01-03-SL	1800		120	700		0.24	0.024	U	0.024	11		0.6	520		120	0.61		0.6
BG-02-00-SL	4500		120	650		0.25	0.032		0.025	11		0.62	570		120	0.62	U	0.62
BG-02-03-SL	1600		110	960		0.23	0.023	U	0.023	13		0.57	610		110	0.57	U	0.57
BG-03-00-SL	4500		130	720		0.26	0.032		0.026	11		0.65	730		130	0.65	U	0.65
BG-03-03-SL	3200		120	520		0.23	0.053		0.024	12		0.58	680		120	0.58	U	0.58
BG-04-00-SL	5600		150	770		0.29	0.042		0.029	12		0.73	980		150	0.81		0.73
BG-04-03-SL	1600		120	810		0.25	0.025	U	0.025	15		0.62	700		120	0.62	U	0.62
BG-05-00-SL	2100		120	810		0.25	0.025	U	0.025	14		0.62	690		120	0.7		0.62
BG-05-03-SL	1800		130	830		0.26	0.027		0.026	14		0.64	740		130	0.78		0.64
BG-06-00-SL	4300		130	680		0.25	0.034		0.025	11		0.63	570		130	0.63	U	0.63
BG-06-03-SL	1800		130	800		0.26	0.026	U	0.026	13		0.65	670		130	0.65	U	0.65
BG-07-00-SL	5000		120	650		0.24	0.034		0.025	10		0.6	610		120	0.61		0.6
BG-07-03-SL	1700		120	760		0.25	0.025	U	0.025	13		0.61	620		120	0.61	U	0.61
BG-08-00-SL	1900		130	810		0.26	0.026	U	0.026	14		0.65	810		130	1.3	U	1.3
BG-08-03SL	2000		120	320		0.24	0.038		0.025	16		0.61	780		120	1.2	U	1.2
BG-09-00-SL	1700		130	580		0.25	0.025	U	0.025	12		0.63	780		130	0.77		0.63
BG-09-03-SL	2000		120	830		0.24	0.028		0.025	15		0.61	730		120	0.78		0.61
BG-10-00-SL	1800		130	240		0.25	0.025	U	0.025	11		0.64	730		130	0.64	U	0.64
BG-10-03-SL	2100		120	450		0.24	0.03		0.024	13		0.6	610		120	0.6	U	0.6
BG-11-00-SL	2100		130	510		0.27	0.027	U	0.027	14		0.67	990		130	0.67	U	0.67
BG-11-03-SL	1800		120	670		0.25	0.028		0.025	16		0.62	770		120	1.2	U	1.2
BG-12-00-SL	1700		140	720		0.27	0.036		0.027	13		0.68	1100		140	0.79		0.68
BG-12-03-SL	2000		130	570		0.25	0.025	U	0.025	14		0.63	950		130	0.63	U	0.63
BG-13-00-SL	1600		150	1100		0.29	0.03	U	0.03	14		0.73	920		150	0.88		0.73
BG-13-03-SL	2000		130	580		0.26	0.026	U	0.026	13		0.66	910		130	0.85		0.66
BG-14-00-SL	1900		130	510		0.25	0.029		0.026	13		0.63	940		130	0.97		0.63
BG-14-03-SL	2400		120	470		0.24	0.032		0.025	17		0.59	960		120	1.2	U	1.2
BG-15-00-SL	1600		120	330		0.24	0.024	U	0.024	7.4		0.6	500		120	0.61		0.6
BG-15-03-SL	1800		120	520		0.24	0.029		0.024	14		0.61	800		120	0.61	U	0.61
BG-16-00-SL	5500		130	680		0.25	0.035		0.025	11		0.63	670		130	0.72		0.63
BG-16-03-SL	1600		120	800		0.25	0.025	U	0.025	13		0.62	580		120	0.62	U	0.62

Table H.5a Inorganics in Off-site Soils (mg/kg)

Sample ID	Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BG-01-00-SL	0.6	U	0.6	120	U	120	0.95	U	0.95	16		0.6	310		0.72
BG-01-03-SL	0.6	U	0.6	120	U	120	0.96	U	0.96	19		0.6	170		0.72
BG-02-00-SL	0.62	U	0.62	120	U	120	0.99	U	0.99	20		0.62	280		0.74
BG-02-03-SL	0.57	U	0.57	110	U	110	0.92	U	0.92	22		0.57	110		0.69
BG-03-00-SL	0.65	U	0.65	130	U	130	1	U	1	20		0.65	310		0.78
BG-03-03-SL	0.58	U	0.58	120	U	120	0.93	U	0.93	22		0.58	370		0.7
BG-04-00-SL	0.73	U	0.73	150	U	150	1.2	U	1.2	22		0.73	270		0.87
BG-04-03-SL	0.62	U	0.62	120	U	120	1	U	1	23		0.62	80		0.75
BG-05-00-SL	0.62	U	0.62	120	U	120	0.99	U	0.99	24		0.62	130		0.74
BG-05-03-SL	0.64	U	0.64	130	U	130	1	U	1	25		0.64	180		0.77
BG-06-00-SL	0.63	U	0.63	130	U	130	1	U	1	20		0.63	240		0.76
BG-06-03-SL	0.65	U	0.65	130	U	130	1	U	1	23		0.65	120		0.78
BG-07-00-SL	0.6	U	0.6	120	U	120	0.96	U	0.96	19		0.6	310		0.72
BG-07-03-SL	0.61	U	0.61	120	U	120	0.98	U	0.98	22		0.61	130		0.74
BG-08-00-SL	0.65	U	0.65	190		130	2.1	U	2.1	39		0.65	42		0.78
BG-08-03SL	0.61	U	0.61	190		120	1.9	U	1.9	40		0.61	43		0.73
BG-09-00-SL	0.63	U	0.63	210		130	1	U	1	36		0.63	36		0.75
BG-09-03-SL	0.61	U	0.61	190		120	0.98	U	0.98	34		0.61	41		0.73
BG-10-00-SL	0.64	U	0.64	180		130	1	U	1	36		0.64	33		0.76
BG-10-03-SL	0.6	U	0.6	210		120	0.96	U	0.96	36		0.6	35		0.72
BG-11-00-SL	0.67	U	0.67	130	U	130	1.1	U	1.1	39		0.67	44		0.81
BG-11-03-SL	0.62	U	0.62	180		120	2	U	2	40		0.62	37		0.75
BG-12-00-SL	0.68	U	0.68	140	U	140	1.1	U	1.1	35		0.68	39		0.82
BG-12-03-SL	0.63	U	0.63	160		130	1	U	1	34		0.63	38		0.76
BG-13-00-SL	0.73	U	0.73	150	U	150	1.2	U	1.2	30		0.73	41		0.87
BG-13-03-SL	0.66	U	0.66	130	U	130	1.1	U	1.1	32		0.66	37		0.79
BG-14-00-SL	0.63	U	0.63	130	U	130	1	U	1	34		0.63	66		0.75
BG-14-03-SL	0.59	U	0.59	120	U	120	1.9	U	1.9	36		0.59	45		0.71
BG-15-00-SL	0.6	U	0.6	120	U	120	0.96	U	0.96	19		0.6	62		0.72
BG-15-03-SL	0.61	U	0.61	120		120	0.97	U	0.97	34		0.61	42		0.73
BG-16-00-SL	0.63	U	0.63	130	U	130	1	U	1	20		0.63	280		0.76
BG-16-03-SL	0.62	U	0.62	120	U	120	0.98	U	0.98	21		0.62	100		0.74

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	10000		13	1	U	1	7.9		0.89	140		0.63	0.74		0.38	0.25	U	0.25
BD-13-15-SL	11000		13	1	U	1	5.5		0.88	130		0.63	0.66		0.38	0.25	U	0.25
BD-13-23-SL	11000		13	1	U	1	7.5		0.89	160		0.63	0.76		0.38	0.25	U	0.25
BD-13-30-SL	7500		13	1	U	1	7.5		0.9	110		0.65	0.73		0.39	0.26	U	0.26
BD-14-05-SL	12000		13	1	U	1	5.3		0.88	370		0.63	0.74		0.38	0.25	U	0.25
BD-14-13-SL	9500		13	1	U	1	5.7		0.89	100		0.64	0.64		0.38	0.25	U	0.25
BD-14-25-SL	12000		13	1.1	U	1.1	2.1		0.93	210		0.66	1.2		0.4	0.26	U	0.26
BD-14-31-SL	4800		12	0.99	U	0.99	3.1		0.86	72		0.62	0.46		0.37	0.25	U	0.25
BD-15-05-SL	14000		13	1	U	1	8.2		0.88	180		0.63	0.92		0.38	0.5	U	0.5
BD-15-17-SL	12000		15	1.2	U	1.2	6.1		1	200		0.73	1.8		0.44	0.59	U	0.59
BD-15-25-SL	12000		13	1.1	U	1.1	1.1		0.93	180		0.66	0.92		0.4	0.26	U	0.26
BD-15-31-SL	7200		13	1	U	1	5.2		0.89	99		0.64	0.48		0.38	0.26	U	0.26
BD-16-05-SL	9300		13	1	U	1	6.7		0.88	120		0.63	0.62		0.38	0.25	U	0.25
BD-16-15-SL	10000		13	1	U	1	7.1		0.88	150		0.63	0.73		0.38	0.25	U	0.25
BD-16-19-SL	15000		14	1.1	U	1.1	13		0.95	110		0.68	0.57		0.41	0.27	U	0.27
BD-16-25-SL	12000		14	1.1	U	1.1	9.8		1	170		0.71	0.93		0.43	0.29	U	0.29
BD-16-34-SL	11000		13	1.1	U	1.1	2.9		0.93	140		0.66	0.84		0.4	0.26	U	0.26
BLD240-01-01	9200		0	0.97	U	0	6.2		0	81		0	0.36		0	0.24	U	0
BLD240-01-09	NA			NA			NA			NA			NA			NA		
BLD240-01-09FD	NA			NA			NA			NA			NA			NA		
BLD240-01-31	5900		0	1	U	0	7.2		0	93		0	0.37		0	0.25		0
BLD240-01-31FD	6000		0	1	U	0	6.9		0	73		0	0.37		0	0.25		0
BLD240-03-04	12000		0	0.99	U	0	6.3		0	76		0	0.78		0	0.25	U	0
BLD240-03-04FD	NA			NA			NA			NA			NA			NA		
BLD240-03-14	9600		0	1	U	0	7.1		0	130		0	0.71		0	0.25	U	0
BLD240-03-19	NA			NA			NA			NA			NA			NA		
BLD240-04-02	11000		0	0.97	U	0	6.7		0	160		0	0.65		0	0.24	U	0
BLD240-04-04	NA			NA			NA			NA			NA			NA		
BLD240-04-33	4700		0	0.94	U	0	8.2		0	84		0	0.35		0	0.23		0
BLD240-05-01	12000		0	1	U	0	6.8		0	120		0	0.76		0	0.25	U	0
BLD240-05-02	NA			NA			NA			NA			NA			NA		
BLD240-05-23	9900		0	1.1	U	0	9.7		0	250		0	0.89		0	1.5		0
BLD253-02-01	3700		0	0.89	U	0	2.5		0	39		0	0.33	U	0	0.22		0
BLD253-02-04	NA			NA			NA			NA			NA			NA		
BLD253-02-21	27000		0	1	U	0	8.1		0	230		0	0.96		0	0.26		0
BLD253-02-21FD	28000		0	1	U	0	7.3		0	240		0	0.91		0	0.26	U	0
BLD255-07-02	9800		0	0.97	U	0	8		0	72		0	0.68		0	0.24	U	0
BLD255-07-15	NA			NA			NA			NA			NA			NA		
BLD255-07-33	10000		0	1	U	0	4.7		0	85		0	0.75		0	0.26	U	0
BLD255-08-01	9800		0	0.94	U	0	6.9		0	94		0	0.63		0	0.24	U	0
BLD255-08-08	NA			NA			NA			NA			NA			NA		
BLD255-08-24	11000		0	1.1	U	0	6.4		0	310		0	0.83		0	0.27	U	0

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BLD260-06-01	13000		0	1.1		0	8.1		0	130		0	0.76		0	0.26	U	0
BLD260-06-31	5900		0	0.96	U	0	5.5		0	48		0	0.36		0	0.24	U	0
BP-13-05-SL	11000		12	0.98		0.98	7.5		0.86	140		0.62	0.76		0.37	0.25	U	0.25
BP-13-11-SL	11000		13	1.1		1	6.9		0.88	160		0.63	0.71		0.38	0.25	U	0.25
BP-13-15-SL	9800		13	1	U	1	6.5		0.88	130		0.63	0.69		0.38	0.25	U	0.25
BP-13-25-SL	13000		14	1.1	U	1.1	9.2		1	180		0.72	1.1		0.43	0.29	U	0.29
BP-13-35-SL	11000		13	1	U	1	1.3		0.88	110		0.63	0.71		0.38	0.25	U	0.25
BP-17-05-SL	7100		12	0.98	U	0.98	4.9		0.85	140		0.61	0.55		0.37	0.24	U	0.24
BP-17-15-SL	9500		14	1.1	U	1.1	4.5		0.96	130		0.69	0.76		0.41	0.27	U	0.27
BP-17-23-SL	9300		13	1.1	U	1.1	1.1		0.93	82		0.66	0.73		0.4	0.26	U	0.26
BP-17-31-SL	8500		13	1.1	U	1.1	6.1		0.94	100		0.67	0.68		0.4	0.27	U	0.27
BP-18-05-SL	9700		12	0.95		0.95	6.5		0.83	98		0.6	0.62		0.36	0.24	U	0.24
BP-18-15-SL	8200		13	1.1	U	1.1	5.3		0.92	200		0.66	0.74		0.39	0.5		0.26
BP-18-25-SL	11000		14	1.1	U	1.1	24		0.95	220		0.68	0.91		0.41	0.27	U	0.27
BP-18-31-SL	4600		11	0.92	U	0.92	7.6		0.8	39		0.57	0.44		0.34	0.23	U	0.23
BP-19-05-SL	9600		12	0.99	U	0.99	6.6		0.87	160		0.62	0.65		0.37	0.25	U	0.25
BP-19-13-SL	9900		13	1	U	1	6.2		0.9	170		0.64	0.69		0.39	0.26	U	0.26
BP-19-25-SL	10000		14	1.1	U	1.1	11		0.96	140		0.69	0.75		0.41	0.27	U	0.27
BP-19-29-SL	9000		13	1.1	U	1.1	2.6		0.93	110		0.66	0.7		0.4	0.27	U	0.27
BP-20-03-SL	6900		12	0.99	U	0.99	6.4		0.87	110		0.62	0.69		0.37	0.25	U	0.25
BP-20-19-SL	9600		13	1	U	1	7.6		0.9	150		0.64	0.76		0.39	0.26	U	0.26
BP-20-27-SL	4700		12	0.98	U	0.98	13		0.86	84		0.61	0.5		0.37	0.25	U	0.25
BP-21-07-SL	11000		13	1	U	1	7.7		0.88	170		0.63	0.82		0.38	0.25	U	0.25
BP-21-07-SL-FD	10000		12	1	U	1	7.6		0.87	110		0.62	0.79		0.37	0.25	U	0.25
BP-21-13-SL	11000		13	1	U	1	7.6		0.91	160		0.65	0.76		0.39	0.26	U	0.26
BP-21-24-SL	15000		13	1	U	1	5.7		0.9	210		0.64	0.81		0.39	0.26	U	0.26
BP-21-34-SL	3700		12	0.94	U	0.94	7.2		0.83	61		0.59	0.36		0.35	0.24	U	0.24
BP-22-05-SL	12000		12	0.98	U	0.98	8.4		0.86	160		0.62	0.84		0.37	0.25	U	0.25
BP-22-13-SL	10000		13	1	U	1	6.5		0.89	140		0.63	0.69		0.38	0.25	U	0.25
BP-22-23-SL	11000		13	1	U	1	5.1		0.91	170		0.65	0.75		0.39	0.26	U	0.26
BP-22-33-SL	3600		13	1	U	1	6.3		0.88	43		0.63	0.38	U	0.38	0.25	U	0.25
CB-02-05-SL	17000		12	1	U	1	8.5		0.87	170		0.62	1.1		0.37	0.5	U	0.5
CB-02-05-SL-FD	17000		13	1	U	1	8.5		0.88	230		0.63	1.1		0.38	0.5	U	0.5
CB-02-15-SL	10000		12	1	U	1	7.2		0.87	100		0.62	0.7		0.37	0.25	U	0.25
CB-02-25-SL	9800		14	1.1	U	1.1	8.5		0.95	130		0.68	0.69		0.41	0.27	U	0.27
DM-02-05-SL	12000		12	1	U	1	6.4		0.87	130		0.62	0.66		0.37	0.25	U	0.25
DM-02-17-SL	9100		13	1.1	U	1.1	5.2		0.92	130		0.66	0.88		0.4	0.26	U	0.26
DM-02-25-SL	13000		13	1.1	U	1.1	10		0.93	190		0.66	0.79		0.4	0.26	U	0.26
DM-02-33-SL	11000		13	1	U	1	3		0.9	130		0.64	0.8		0.39	0.26	U	0.26
DM-03-05-SL	12000		13	1	U	1	7.1		0.88	95		0.63	0.8		0.38	0.25	U	0.25
DM-03-05-SL-FD	11000		13	1	U	1	7.4		0.88	160		0.63	0.79		0.38	0.25	U	0.25
DM-03-13-SL	9800		13	1	U	1	6.2		0.9	150		0.64	0.68		0.39	0.26	U	0.26

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-25-SL	10000		14	1.2	U	1.2	6.2		1	200		0.72	0.63		0.43	0.29	U	0.29
DM-03-34-SL	6000		12	0.98	U	0.98	20		0.86	98		0.61	0.52		0.37	0.24	U	0.24
EP-13-06-SL	15000	=	12	1	UJ	1	7.8	=	0.87	170	J	0.62	1	=	0.37	0.5	U	0.5
EP-13-13-SL	11000	=	13	1	UJ	1	8.3	=	0.88	190	J	0.63	0.77	=	0.38	0.25	U	0.25
EP-13-25-SL	11000	=	13	1	UJ	1	7.7	=	0.88	220	J	0.63	0.76	=	0.38	0.25	U	0.25
EP-13-30-SL	1700	=	12	0.93	UJ	0.93	13	=	0.81	71	J	0.58	0.35	U	0.35	0.23	U	0.23
EP-14-05-SL	11000	=	12	0.99	UJ	0.99	14	=	0.86	110	J	0.62	0.76	=	0.37	0.25	U	0.25
EP-14-13-SL	11000	=	13	1	UJ	1	6.8	=	0.89	140	J	0.63	0.71	=	0.38	0.25	U	0.25
EP-14-25-SL	12000	=	13	1	UJ	1	8.3	=	0.91	120	J	0.65	0.79	=	0.39	0.26	U	0.26
EP-14-31-SL	7000	=	12	0.99	UJ	0.99	7.8	=	0.87	140	J	0.62	0.55	=	0.37	0.25	U	0.25
EP-15-05-SL	11000		12	1	U	1	6		0.87	170		0.62	0.82		0.37	0.25	U	0.25
EP-15-13-SL	11000		13	1	U	1	7.7		0.9	140		0.64	0.8		0.39	0.26	U	0.26
EP-15-25-SL	4100		12	0.99	U	0.99	1.8		0.86	59		0.62	0.37	U	0.37	0.29		0.25
EP-15-29-SL	5600		13	1	U	1	5.9		0.9	98		0.64	0.52		0.39	0.54		0.26
EP-16-05-SL	12000		12	0.99		0.99	7.5		0.87	160	N	0.62	0.88		0.37	0.25	U	0.25
EP-16-15-SL	10000		13	1	U	1	6.5		0.89	200		0.63	0.67		0.38	0.25	U	0.25
EP-16-27-SL	2400		12	0.93	U	0.93	3.7		0.81	56		0.58	0.35	U	0.35	0.23	U	0.23
EP-17-05-SL	12000		12	0.99	U	0.99	8.6		0.87	180		0.62	0.89		0.37	0.25	U	0.25
EP-17-15-SL	9000		13	1	U	1	7.2		0.88	210		0.63	0.71		0.38	0.25	U	0.25
EP-17-25-SL	10000		13	1.1		1	5.6		0.9	160		0.64	0.7		0.39	0.26	U	0.26
EP-17-30-SL	4900		13	1	U	1	6.6		0.91	120		0.65	0.39		0.39	0.53		0.26
EP-18-09-SL	26000	=	12	0.97	UJ	0.97	17	=	0.85	170	J	0.6	0.94	=	0.36	0.24	U	0.24
EP-18-09-SL-FD	24000	=	12	0.97	UJ	0.97	10	=	0.85	220	J	0.61	0.91	=	0.36	0.24	U	0.24
EP-18-15-SL	11000	=	13	1	UJ	1	5.2	=	0.89	85	J	0.64	0.66	=	0.38	0.26	U	0.26
EP-18-29-SL	14000	=	14	1.1	UJ	1.1	4.9	=	0.95	240	J	0.68	1.1	=	0.41	0.27	U	0.27
EP-19-05-SL	15000	=	12	1	UJ	1	7.8	=	0.87	120	J	0.62	0.73	=	0.37	0.25	U	0.25
EP-19-13-SL	11000	=	13	1	UJ	1	7.9	=	0.89	220	J	0.64	0.74	=	0.38	0.26	U	0.26
EP-19-25-SL	13000	=	13	1	UJ	1	6	=	0.88	240	J	0.63	0.81	=	0.38	0.25	U	0.25
EP-19-31-SL	8700	=	14	1.1	UJ	1.1	3.3	=	0.97	130	J	0.69	0.84	=	0.41	0.81	=	0.28
EP-20-05-SL	12000		12	1	U	1	8.3		0.87	120		0.62	0.97		0.37	0.25	U	0.25
EP-20-15-SL	9500		13	1	U	1	7		0.9	130		0.64	0.71		0.38	0.26	U	0.26
EP-20-25-SL	10000		13	1.2		1	8.9		0.91	200		0.65	0.79		0.39	0.52	U	0.52
GS-06-05-SL	14000		11	0.91	U	0.91	9		0.8	110		0.57	0.77		0.34	0.25		0.23
GS-06-19-SL	5000		12	1	U	1	4.7		0.87	33		0.62	0.39		0.37	0.27		0.25
GS-06-25-SL	4900		12	0.98	U	0.98	6.8		0.85	34		0.61	0.37	U	0.37	0.25		0.24
GS-07-05-SL	12000		12	0.96	U	0.96	9.8		0.84	160		0.6	0.86		0.36	0.48	U	0.48
GS-07-15-SL	16000		13	1	U	1	7.2		0.9	140		0.64	0.79		0.38	0.26	U	0.26
GS-07-25-SL	13000		13	1	U	1	8.2		0.9	94		0.64	0.98		0.38	0.3		0.26
GS-09-05-SL	14000		12	1		1	6.1		0.87	110		0.62	0.85		0.37	0.25	U	0.25
GS-09-15-SL	15000		13	1	U	1	6.3		0.9	140		0.64	0.85		0.39	0.26	U	0.26
GS-09-23-SL	14000		12	0.99	U	0.99	6.6		0.87	130		0.62	0.87		0.37	0.25	U	0.25
LF-06-05-SL	12000		12	0.97	U	0.97	6.9		0.85	190		0.61	0.88		0.37	0.24	U	0.24

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
LF-06-13-SL	13000		12	0.99	U	0.99	5.7		0.87	160		0.62	0.79		0.37	0.25	U	0.25
LF-06-27-SL	12000		13	1	U	1	3.7		0.9	130		0.64	0.8		0.39	0.26	U	0.26
LF-06-32-SL	4600		11	0.92	U	0.92	5.5		0.8	73		0.57	0.44		0.34	0.23	U	0.23
LF-07-03-SL	6400		12	0.96	U	0.96	4		0.84	130		0.6	0.62		0.36	0.24	U	0.24
LF-07-15-SL	9400		13	1.1		1	8.7		0.88	160		0.63	0.8		0.38	0.25	U	0.25
LF-07-25-SL	11000		13	1	U	1	8.1		0.88	160		0.63	0.89		0.38	0.25	U	0.25
LF-07-34-SL	4600		12	0.96	U	0.96	1.9		0.84	58		0.6	0.42		0.36	0.24	U	0.24
LF-08-03-SL	9300		12	0.98	U	0.98	5.6		0.86	160		0.62	0.73		0.37	0.25	U	0.25
LF-08-03-SL-FD	10000		12	0.99	U	0.99	7.4		0.86	150		0.62	0.76		0.37	0.25	U	0.25
LF-08-15-SL	10000		12	0.99	U	0.99	8.5		0.86	200		0.62	0.89		0.37	0.25	U	0.25
LF-08-21-SL	9700		13	1	U	1	7.2		0.88	160		0.63	0.76		0.38	0.25	U	0.25
LF-08-37-SL	1100		11	0.89	U	0.89	4.4		0.78	20		0.56	0.34	U	0.34	0.22	U	0.22
LF-09-03-SL	8200		11	0.89	U	0.89	4.6		0.78	110		0.56	0.56		0.33	0.22	U	0.22
LF-09-17-SL	10000		13	1	U	1	7.3		0.9	180		0.64	0.79		0.39	0.26	U	0.26
LF-09-25-SL	9400		13	1	U	1	7.1		0.89	140		0.64	0.74		0.38	0.25	U	0.25
LF-09-31-SL	3400		12	0.98	U	0.98	6.1		0.86	62		0.61	0.37	U	0.37	0.25	U	0.25
NB-28-04-SL	9500		12	0.98	U	0.98	5.9		0.85	110		0.61	0.65		0.37	0.24	U	0.24
NB-28-14-SL	9200		12	0.98	U	0.98	7.3		0.86	150		0.61	0.59		0.37	0.24	U	0.24
NB-28-24-SL	14000		13	1	U	1	5.5		0.9	99		0.64	0.84		0.39	0.26	U	0.26
NB-28-35-SL	3200		12	0.99	U	0.99	4.3		0.86	33		0.62	0.37	U	0.37	0.25	U	0.25
NB-29-05-SL	7000		12	1	U	1	5.8		0.87	250		0.62	0.52		0.37	0.25	U	0.25
NB-29-14-SL	810		12	0.94	U	0.94	5.8		0.82	17		0.58	0.35	U	0.35	0.23	U	0.23
NB-29-22-SL	1200		11	0.91	U	0.91	5.2		0.79	24		0.57	0.34	U	0.34	0.23	U	0.23
NB-30-05-SL	11000		13	1	U	1	7.8		0.88	220		0.63	0.7		0.38	0.25	U	0.25
NB-30-15-SL	9900		13	1	U	1	6.7		0.89	150		0.64	0.71		0.38	0.25	U	0.25
NB-30-25-SL	9500		13	1.1	U	1.1	6.3		0.93	160		0.66	0.67		0.4	0.26	U	0.26
NB-30-33-SL	6000		13	1	U	1	6.6		0.88	94		0.63	0.38		0.38	0.25		0.25
NB-31-05-SL	12000		12	0.99	U	0.99	9		0.87	98		0.62	0.8		0.37	0.5	U	0.5
NB-31-15-SL	9000		13	1	U	1	6.3		0.89	120		0.63	0.71		0.38	0.25	U	0.25
NB-31-27-SL	12000		13	1	U	1	6.1		0.91	120		0.65	0.73		0.39	0.26	U	0.26
NB-31-32-SL	5700		12	0.94	U	0.94	6		0.82	96		0.59	0.59		0.35	0.59		0.23
NB-32-05-SL	11000		12	0.99	U	0.99	8.7		0.87	150		0.62	0.72		0.37	0.25	U	0.25
NB-32-15-SL	8600		13	1	U	1	6.9		0.88	190		0.63	0.64		0.38	0.25	U	0.25
NB-32-27-SL	10000		13	1	U	1	4		0.88	120		0.62	0.58		0.38	3.7		0.25
NB-32-33-SL	2800		11	0.92	U	0.92	10		0.8	48		0.57	0.39		0.34	0.26		0.23
NB-33-05-SL	12000		12	0.99	U	0.99	7		0.86	130		0.62	0.83		0.37	0.25	U	0.25
NB-33-15-SL	8800		13	1	U	1	8.8		0.88	140		0.63	0.79		0.38	0.25	U	0.25
NB-33-27-SL	5900		12	0.98	U	0.98	4.2		0.86	110		0.61	0.59		0.37	0.52		0.25
NB-34-05-SL	9600		12	1	U	1	9		0.87	110		0.62	0.74		0.37	0.25	U	0.25
NB-34-15-SL	8600		13	1	U	1	6.9		0.88	140		0.63	0.67		0.38	0.25	U	0.25
NB-34-25-SL	3300		12	0.96	U	0.96	3.4		0.84	61		0.6	0.36	U	0.36	0.24	U	0.24
NB-35-01-SL	9800		12	0.99	U	0.99	7.2		0.87	130		0.62	0.77		0.37	0.25	U	0.25

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-35-15-SL	8700		13	1	U	1	6.4		0.89	140		0.64	0.64		0.38	0.26	U	0.26
NB-35-25-SL	8800		13	1	U	1	2		0.92	150		0.65	0.69		0.39	0.26	U	0.26
NB-36-05-SL	8300		13	1	U	1	5.6		0.88	130		0.63	0.63		0.38	0.25	U	0.25
NB-36-15-SL	12000		13	1	U	1	3		0.88	360		0.63	1.1		0.38	1.1		0.25
NB-36-27-SL	12000		13	1	U	1	3.4		0.89	230		0.63	1		0.38	0.25	U	0.25
NB-37-05-SL	10000		12	0.99	U	0.99	7.3		0.87	140		0.62	0.72		0.37	0.25	U	0.25
NB-37-15-SL	9800		13	1	U	1	7		0.88	790		0.63	0.72		0.38	0.52		0.25
NB-37-25-SL	9400		13	1.1	U	1.1	5.8		0.93	170		0.66	0.69		0.4	0.27	U	0.27
NB-38-09-SL	9600		12	0.99	U	0.99	6.7		0.87	150		0.62	0.68		0.37	0.25	U	0.25
NB-38-15-SL	9600		13	1.2		1	6.9		0.89	160		0.63	0.71		0.38	0.25	U	0.25
NB-38-25-SL	8700		13	1	U	1	4.5		0.91	140		0.65	0.64		0.39	0.26	U	0.26
NB-39-05-SL	12000		13	1	U	1	9.2		0.88	150		0.63	0.9		0.38	0.25	U	0.25
NB-39-15-SL	10000		13	1.8		1	7.9		0.91	160		0.65	0.76		0.39	0.26	U	0.26
NB-39-25-SL	11000		13	1.1	U	1.1	7.3		0.92	180		0.66	0.84		0.39	0.26	U	0.26
NB-39-30-SL	8800		13	1	U	1	6.4		0.89	120		0.64	0.64		0.38	0.26	U	0.26
NB-40-05-SL	8600		12	0.98	U	0.98	6.9		0.86	150		0.61	0.63		0.37	0.24	U	0.24
NB-40-05-SL-FD	9100		12	0.98	U	0.98	7.1		0.86	120		0.61	0.37		0.37	0.24	U	0.24
NB-40-17-SL	9500		13	1	U	1	7.3		0.89	170		0.63	0.71		0.38	0.31		0.25
NB-40-25-SL	3100		12	0.95	U	0.95	2.4		0.83	54		0.59	0.36	U	0.36	0.25		0.24
NB-40-31-SL	2100		11	0.92	U	0.92	3.7		0.8	45		0.57	0.34	U	0.34	0.23	U	0.23
NB-41-05-SL	5700		12	0.97	U	0.97	5.1		0.85	150		0.61	0.52		0.36	0.36		0.24
NB-41-13-SL	3700		12	0.99	U	0.99	6.3		0.87	95		0.62	0.43		0.37	0.25	U	0.25
NB-41-19-SL	2300		13	1	U	1	6.7		0.89	110		0.63	0.43		0.38	0.26		0.25
NB-42-05-SL	5600		12	0.97		0.97	5.8		0.85	320		0.61	0.51		0.36	0.66		0.24
NB-42-13-SL	3600		11	0.91	U	0.91	4.3		0.8	180		0.57	0.34	U	0.34	0.29		0.23
NB-42-23-SL	3200		12	0.95	U	0.95	4.4		0.83	120		0.59	0.36		0.36	0.39		0.24
NB-43-05-SL	6700		13	1	U	1	5.8		0.88	180		0.63	0.62		0.38	0.27		0.25
NB-43-13-SL	3400		12	0.94	U	0.94	3.9		0.82	45		0.59	0.35	U	0.35	0.23	U	0.23
NB-44-05-SL	5400		12	0.95	U	0.95	4.7		0.83	120		0.59	0.49		0.36	0.24	U	0.24
NB-44-05-SL-FD	3100		11	0.89	U	0.89	4.4		0.78	75		0.55	0.33	U	0.33	0.22	U	0.22
NB-44-11-SL	1200		11	0.88	U	0.88	5.4		0.77	47		0.55	0.33	U	0.33	0.22	U	0.22
NB-44-18-SL	2300		12	0.95	U	0.95	3.1		0.83	70		0.59	0.36	U	0.36	0.28		0.24
NB-45-05-SL	11000		12	0.99	U	0.99	8.1		0.87	130		0.62	0.66		0.37	0.25	U	0.25
NB-45-05-SL-FD	13000		12	1	U	1	8.2		0.87	140		0.62	0.69		0.37	0.25	U	0.25
NB-45-13-SL	9600		13	1	U	1	6.9		0.88	240		0.63	0.67		0.38	0.25	U	0.25
NB-45-25-SL	11000		13	1	U	1	2.1		0.9	180		0.64	0.73		0.39	0.26	U	0.26
NB-45-33-SL	5900		13	1	U	1	12		0.89	78		0.64	0.55		0.38	0.56		0.25
NB-46-09-SL	11000		13	1	U	1	8		0.89	160		0.64	0.84		0.38	0.26	U	0.26
NB-46-17-SL	8700		12	0.97	U	0.97	7.3		0.85	170		0.61	0.65		0.36	0.25		0.24
NB-46-25-SL	10000		13	1	U	1	10		0.9	400		0.64	0.78		0.39	0.54		0.26
NB-46-29-SL	8800		13	1	U	1	5		0.88	140		0.63	0.64		0.38	0.25	U	0.25
NB-47-05-SL	11000		12	0.97		0.97	7.9		0.85	130		0.61	0.81		0.36	0.24	U	0.24

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-47-15-SL	14000		14	1.1	U	1.1	12		0.95	210		0.68	1.1		0.41	0.71		0.54
NB-47-25-SL	16000		12	1		0.99	10		0.87	200		0.62	0.94		0.37	0.49	U	0.49
NB-47-31-SL	11000		14	1.1	U	1.1	2.4		0.96	130		0.69	0.79		0.41	0.27	U	0.27
NB-48-05-SL	10000		12	0.97	U	0.97	6.8		0.85	120		0.61	0.71		0.36	0.24	U	0.24
NB-48-11-SL	9000		13	1.1	U	1.1	8.7		0.92	180		0.66	0.78		0.4	0.26	U	0.26
NB-48-15-SL	12000		13	1.1	U	1.1	8.1		0.92	170		0.66	0.8		0.39	0.26	U	0.26
NB-48-25-SL	10000		13	1.1		1.1	9.7		0.93	190		0.67	0.85		0.4	0.4		0.27
NB-48-35-SL	11000		13	1	U	1	5.1		0.88	120		0.63	0.81		0.38	0.28		0.25
NB-49-05-SL	10000		12	0.97	U	0.97	7.9		0.85	140		0.61	0.81		0.37	0.24	U	0.24
NB-49-05-SL-FD	9500		12	0.97	U	0.97	7.8		0.85	140		0.6	0.78		0.36	0.24	U	0.24
NB-49-15-SL	14000		13	1.1		1	9.5		0.92	190		0.65	0.83		0.39	0.52	U	0.52
NB-49-25-SL	10000		14	1.1	U	1.1	9.8		0.97	180		0.69	0.94		0.42	0.41		0.28
NB-49-37-SL	9300		13	1	U	1	2		0.92	83		0.65	0.68		0.39	0.26	U	0.26
NB-50-05-SL	11000		12	0.97	U	0.97	7.5		0.85	130		0.61	0.79		0.36	0.24	U	0.24
NB-50-15-SL	15000		13	1	U	1	11		0.9	140		0.64	0.81		0.39	0.51	U	0.51
NB-50-25-SL	12000		14	1.5		1.1	9		0.99	290		0.71	1		0.42	0.28	U	0.28
NB-50-37-SL	8800		13	1.1	U	1.1	7.1		0.93	140		0.66	0.76		0.4	0.3		0.27
NB-51-05-SL	12000		12	0.98	U	0.98	7.3		0.86	120		0.61	0.76		0.37	0.25	U	0.25
NB-51-13-SL	10000		13	1	U	1	6.9		0.89	130		0.64	0.74		0.38	0.25	U	0.25
NB-51-25-SL	11000		13	1.1	U	1.1	9.9		0.94	190		0.67	0.94		0.4	1.2		0.27
NB-51-37-SL	9200		13	1	U	1	3.9		0.89	97		0.63	0.83		0.38	0.25	U	0.25
NB-52-05-SL	11000		12	0.98	U	0.98	8.5		0.86	130		0.61	0.76		0.37	0.25	U	0.25
NB-52-13-SL	8800		13	1	U	1	7.4		0.9	120		0.65	0.68		0.39	0.26	U	0.26
NB-52-25-SL	9100		14	1.1	U	1.1	4.8		0.95	120		0.68	0.82		0.41	0.27	U	0.27
NB-52-35-SL	7900		12	0.95	U	0.95	4.5		0.83	93		0.59	0.66		0.36	0.24	U	0.24
NB-53-05-SL	9500		12	0.99	U	0.99	5.6		0.87	110		0.62	0.73		0.37	0.25	U	0.25
NB-53-13-SL	11000		13	1.2		1	6.6		0.89	140		0.63	0.79		0.38	0.25	U	0.25
NB-53-23-SL	12000		13	1.1	U	1.1	3.3		0.92	150		0.66	0.86		0.4	0.26	U	0.26
NB-53-33-SL	4500		13	1	U	1	3.7		0.9	62		0.64	0.47		0.39	0.6		0.26
NB-54-05-SL	13000		13	1		1	7		0.88	160		0.62	0.92		0.38	0.25	U	0.25
NB-54-13-SL	10000		13	1	U	1	5.3		0.89	150		0.64	0.66		0.38	0.25	U	0.25
NB-54-25-SL	9500		14	1.1	U	1.1	2.7		0.97	130		0.69	0.97		0.42	0.91		0.28
NB-54-31-SL	680		11	0.88	U	0.88	3.1		0.77	11		0.55	0.33	U	0.33	0.22	U	0.22
NB-55-05-SL	12000		12	1	U	1	6.7		0.87	130		0.62	0.78		0.37	0.25	U	0.25
NB-55-13-SL	10000		13	1	U	1	7.1		0.88	190		0.63	0.74		0.38	0.25	U	0.25
NB-55-25-SL	12000		15	1.2	U	1.2	7.9		1	220		0.74	0.86		0.44	0.29	U	0.29
NB-55-33-SL	2200		12	0.94	U	0.94	3.8		0.82	33		0.59	0.35	U	0.35	0.23	U	0.23
NB-56-05-SL	10000		12	0.98	U	0.98	7.6		0.86	160		0.61	0.8		0.37	0.25	U	0.25
NB-56-13-SL	11000		13	1	U	1	7.6		0.9	190		0.64	0.79		0.38	0.26	U	0.26
NB-56-25-SL	11000		13	1	U	1	6.4		0.89	160		0.63	0.73		0.38	0.25	U	0.25
NB-56-33-SL	11000		13	1	U	1	2.6		0.91	200		0.65	1		0.39	0.26	U	0.26
NB-57-05-SL	11000		13	1		1	6.7		0.88	100		0.63	0.7		0.38	0.25	U	0.25

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-57-05-SL-FD	11000		12	0.99	U	0.99	6.9		0.87	90		0.62	0.58		0.37	0.25	U	0.25
NB-57-15-SL	13000		13	1	U	1	7.2		0.9	140		0.64	0.84		0.39	0.26	U	0.26
NB-57-29-SL	13000		13	1.1	U	1.1	7.2		0.93	170		0.66	0.92		0.4	0.27	U	0.27
NB-57-34-SL	8600		13	1.1	U	1.1	6		0.92	110		0.66	0.68		0.39	0.26	U	0.26
NB-58-05-SL	12000		12	0.97	U	0.97	7		0.85	140		0.61	0.75		0.37	0.24	U	0.24
NB-58-15-SL	12000		13	1	U	1	6.6		0.9	150		0.64	0.71		0.38	0.26	U	0.26
NB-58-29-SL	9500		14	1.1	U	1.1	4.2		0.96	140		0.68	0.83		0.41	0.63		0.27
NB-58-36-SL	10000		12	0.94	U	0.94	2.8		0.82	100		0.59	0.66		0.35	0.24	U	0.24
NB-59-05-SL	12000		12	1	U	1	7.3		0.87	180		0.62	0.82		0.37	0.25	U	0.25
NB-59-13-SL	10000		13	1	U	1	6.5		0.9	160		0.64	0.67		0.38	0.26	U	0.26
NB-59-25-SL	13000		13	1	U	1	8		0.91	170		0.65	0.86		0.39	0.52	U	0.52
NB-59-31-SL	7600		13	1	U	1	4.9		0.88	94		0.63	0.62		0.38	0.25	U	0.25
NB-60-05-SL	12000		12	0.98		0.98	5.2		0.86	150		0.61	0.83		0.37	0.25	U	0.25
NB-60-13-SL	11000		13	1	U	1	6.5		0.89	160		0.64	0.69		0.38	0.25	U	0.25
NB-60-23-SL	11000		14	1.1	U	1.1	1.4		0.98	160		0.7	0.83		0.42	0.28	U	0.28
NB-60-31-SL	1300		12	0.99	U	0.99	7.2		0.87	20		0.62	0.37	U	0.37	0.25	U	0.25
NB-61-05-SL	12000		12	0.99		0.99	8		0.86	230	N	0.62	0.83		0.37	0.25	U	0.25
NB-61-13-SL	11000		13	1	U	1	7.8		0.89	220		0.63	0.72		0.38	0.25	U	0.25
NB-61-23-SL	9800		13	1	U	1	2.5		0.9	160		0.64	0.75		0.39	0.26	U	0.26
NB-61-28-SL	7600		12	1	U	1	3.4		0.87	130		0.62	0.67		0.37	0.25	U	0.25
NB-62-05-SL	5400		12	0.94	U	0.94	4		0.82	120		0.59	0.45		0.35	0.23	U	0.23
NB-62-12-SL	1800		11	0.89	U	0.89	7.4		0.78	46		0.56	0.33	U	0.33	0.22	U	0.22
NB-62-22-SL	1100		11	0.9	U	0.9	5.6		0.78	66		0.56	0.34	U	0.34	0.22	U	0.22
NB-63-05-SL	6500		12	0.99	U	0.99	6.7		0.86	240		0.62	0.55		0.37	0.47		0.25
NB-63-13-SL	2500		12	0.93	U	0.93	6.3		0.81	160		0.58	0.35	U	0.35	0.23	U	0.23
NB-63-19-SL	4600		12	0.97	U	0.97	3.8		0.85	56		0.61	0.4		0.36	0.24	U	0.24
NB-64-05-SL	5600		12	0.92	U	0.92	5.1		0.81	120		0.58	0.49		0.35	0.23	U	0.23
NB-64-13-SL	2500		11	0.87	U	0.87	3		0.76	66		0.54	0.33	U	0.33	0.22	U	0.22
NB-64-17-SL	1400		11	0.89	U	0.89	5		0.78	37		0.56	0.33	U	0.33	0.22	U	0.22
NB-65-05-SL	6200		12	0.95		0.95	5.9		0.83	130		0.59	0.55		0.36	0.24	U	0.24
NB-65-13-SL	6600		12	1.2		0.96	5.9		0.84	140		0.6	0.58		0.36	0.24	U	0.24
NB-65-17-SL	2900		12	0.93	U	0.93	4.5		0.81	48		0.58	0.44		0.35	0.23	U	0.23
NB-66-05-SL	4700		11	0.92	U	0.92	4.2		0.8	130		0.57	0.43		0.34	0.23	U	0.23
NB-66-05-SL-FD	4600		11	0.92	U	0.92	4.5		0.8	150		0.57	0.42		0.34	0.23	U	0.23
NB-66-15-SL	5600		12	0.98	U	0.98	3.6		0.86	77		0.61	0.47		0.37	0.24	U	0.24
NB-66-19-SL	1800		11	0.92	U	0.92	4		0.8	28		0.57	0.34	U	0.34	0.23	U	0.23
NB-67-05-SL	6600		12	0.98	U	0.98	5.8		0.85	360		0.61	0.57		0.37	0.24	U	0.24
NB-67-11-SL	1600		11	0.87	U	0.87	6.2		0.76	33		0.54	0.33	U	0.33	0.22	U	0.22
NB-67-21-SL	1300		11	0.92	U	0.92	4.9		0.8	24		0.57	0.34	U	0.34	0.23	U	0.23
NB-68-05-SL	10000		12	1	U	1	7.3		0.87	120		0.62	0.78		0.37	0.25	U	0.25
NB-68-13-SL	9000		13	1	U	1	7.3		0.88	150		0.63	0.7		0.38	0.25	U	0.25
NB-68-17-SL	9400		12	0.98	U	0.98	7.6		0.86	100		0.61	0.68		0.37	0.25	U	0.25

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-68-25-SL	11000		14	1.1	U	1.1	4.9		0.98	140		0.7	0.93		0.42	0.28	U	0.28
NB-68-33-SL	3200		12	0.96		0.96	1.6		0.84	34		0.6	0.36	U	0.36	0.24	U	0.24
NB-69-05-SL	11000		12	0.97	U	0.97	8.2		0.85	130		0.61	0.8		0.36	0.24	U	0.24
NB-69-15-SL	11000		12	0.97	U	0.97	8		0.85	120		0.61	0.79		0.36	0.24	U	0.24
NB-69-22-SL	12000		14	1.2	U	1.2	4.7		1	130		0.72	0.96		0.43	0.29	U	0.29
NB-69-34-SL	9500		13	1	U	1	1.2		0.88	82		0.63	0.67		0.38	0.25	U	0.25
NB-70-05-SL	12000		12	0.99	U	0.99	7.9		0.87	110		0.62	0.73		0.37	0.25	U	0.25
NB-70-15-SL	11000		13	1	U	1	7.5		0.9	120		0.64	0.72		0.39	0.26	U	0.26
NB-70-23-SL	9200		14	1.1	U	1.1	11		0.97	93		0.69	0.85		0.41	0.46		0.28
NB-70-33-SL	3100		12	0.98	U	0.98	3.1		0.86	46		0.61	0.37	U	0.37	0.25	U	0.25
NB-71-05-SL	13000		12	1	U	1	8.6		0.87	120		0.62	0.95		0.37	0.25	U	0.25
NB-71-05-SL-FD	12000		12	0.98	U	0.98	7.2		0.86	160		0.62	0.85		0.37	0.25	U	0.25
NB-71-13-SL	11000		12	1	U	1	8		0.87	150		0.62	0.82		0.37	0.25	U	0.25
NB-71-27-SL	4100		12	0.96	U	0.96	7		0.84	49		0.6	0.38		0.36	0.24	U	0.24
NB-72-05-SL	4100		11	0.89	U	0.89	3.9		0.78	92		0.56	0.35		0.33	0.22	U	0.22
NB-72-11-SL	4100		12	0.95	U	0.95	3.4		0.83	97		0.59	0.38		0.36	0.24	U	0.24
NB-72-19-SL	1900		12	0.92	U	0.92	13		0.81	34		0.58	0.39		0.35	0.23	U	0.23
NB-72-22-SL	1600		11	0.92	U	0.92	6.5		0.8	21		0.57	0.34	U	0.34	0.23	U	0.23
NB-73-05-SL	1800		11	0.88	U	0.88	1.9		0.77	34		0.55	0.33	U	0.33	0.22	U	0.22
NB-73-13-SL	1400		11	0.88	U	0.88	5.2		0.77	34		0.55	0.33	U	0.33	0.22	U	0.22
NB-73-23-SL	810		11	0.92	U	0.92	2.2		0.8	9.6		0.57	0.34	U	0.34	0.23	U	0.23
NB-74-05-SL	13000		12	0.97		0.97	8.3		0.85	120	*N	0.61	0.86		0.37	0.24	U	0.24
NB-74-17-SL	9900		13	1	U	1	6.1		0.88	120		0.63	0.67		0.38	0.25	U	0.25
NB-74-25-SL	11000		13	1	U	1	6.9		0.88	140		0.63	0.72		0.38	0.25	U	0.25
NB-74-33-SL	2500		12	0.95	U	0.95	8.6		0.84	37		0.6	0.37		0.36	0.24	U	0.24
NB-75-08-SL	9300		12	0.99	U	0.99	6.3		0.86	110		0.62	0.71		0.37	0.25	U	0.25
NB-75-15-SL	8400		13	1	U	1	2.6		0.88	130		0.63	0.57		0.38	0.25	U	0.25
NB-75-19-SL	2800		12	0.96	U	0.96	2.8		0.84	53		0.6	0.36	U	0.36	0.24	U	0.24
NB-76-06-SL	2100		11	0.86	U	0.86	2.6		0.75	42		0.54	0.32	U	0.32	0.21	U	0.21
NB-76-10-SL	1300		11	0.88	U	0.88	2.8		0.77	25		0.55	0.33	U	0.33	0.22	U	0.22
NB-76-24-SL	1200		12	0.94	U	0.94	6.5		0.82	13		0.59	0.35	U	0.35	0.61		0.23
NB-77-05-SL	2200		11	0.85		0.85	3.1		0.75	51		0.53	0.32	U	0.32	0.21	U	0.21
NB-77-13-SL	1300		11	0.85	U	0.85	3.1		0.74	30		0.53	0.32	U	0.32	0.21	U	0.21
NB-77-24-SL	1100		11	0.9	U	0.9	11		0.79	19		0.56	0.34	U	0.34	0.41		0.23
NB-78-07-SL	7600		12	0.96	U	0.96	6.4		0.84	170		0.6	0.61		0.36	0.24	U	0.24
NB-78-11-SL	6300		13	1	U	1	4.4		0.88	98		0.63	0.5		0.38	0.25	U	0.25
NB-78-18-SL	6600		13	1.1	U	1.1	4.2		0.93	120		0.66	0.58		0.4	0.99		0.27
NB-79-05-SL	7000		12	0.92	U	0.92	8.2		0.81	130		0.58	0.56		0.35	0.23	U	0.23
NB-79-05-SL-FD	9500		12	0.99	U	0.99	5.9		0.86	67		0.62	0.7		0.37	0.25	U	0.25
NB-79-11-SL	6900		12	0.97	U	0.97	7		0.85	61		0.61	0.51		0.36	0.24	U	0.24
NB-79-24-SL	12000		12	0.96	U	0.96	2		0.84	120		0.6	0.79		0.36	0.24	U	0.24
NB-80-05-SL	8400		12	0.93	U	0.93	7.4		0.81	90		0.58	0.54		0.35	0.23	U	0.23

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-80-11-SL	7300		12	1	U	1	2.9		0.87	47		0.62	0.37	U	0.37	0.25	U	0.25
NB-80-27-SL	2900		11	0.88	U	0.88	5.1		0.77	27		0.55	0.33	U	0.33	0.22	U	0.22
NB-81-05-SL	14000		12	0.98	U	0.98	8.4		0.86	310		0.61	0.89		0.37	0.25	U	0.25
NB-81-13-SL	11000		12	0.99	U	0.99	7		0.86	160		0.62	0.76		0.37	0.25	U	0.25
NB-81-31-SL	2500		11	0.91	U	0.91	9.2		0.8	49		0.57	0.34	U	0.34	0.43		0.23
NB-82-05-SL	8100		13	1	U	1	6.4		0.89	340		0.64	0.64		0.38	0.39		0.26
NB-82-11-SL	3400		12	0.97	U	0.97	4.3		0.85	62		0.61	0.37		0.37	0.24	U	0.24
NB-82-20-SL	1200		11	0.91	U	0.91	6.7		0.8	16		0.57	0.4		0.34	0.23	U	0.23
NB-83-05-SL	8600		12	0.99	U	0.99	5.8		0.87	160		0.62	0.65		0.37	0.25	U	0.25
NB-83-11-SL	7700		12	1	U	1	7.5		0.87	140		0.62	0.7		0.37	0.25	U	0.25
NB-83-23-SL	1800		11	0.92	U	0.92	6.9		0.8	43		0.57	0.34	U	0.34	0.23	U	0.23
NB-84-05-SL	10000		12	0.95	U	0.95	7.3		0.83	120		0.6	0.75		0.36	0.24	U	0.24
NB-84-15-SL	7000		11	0.89	U	0.89	5.7		0.78	100		0.56	0.54		0.33	0.22	U	0.22
NB-84-23-SL	2100		12	0.94	U	0.94	4.3		0.82	43		0.59	0.35	U	0.35	0.24	U	0.24
NB-84-33-SL	1400		11	0.88	U	0.88	4.8		0.77	21		0.55	0.45		0.33	0.22	U	0.22
NB-85-05-SL	7900		12	0.97	U	0.97	7.2		0.85	160		0.6	0.7		0.36	0.24	U	0.24
NB-85-15-SL	8800		13	1	U	1	6.9		0.88	130		0.62	0.71		0.38	0.25	U	0.25
NB-85-25-SL	9600		12	0.96	U	0.96	6.1		0.84	160		0.6	0.77		0.36	0.24	U	0.24
NB-85-35-SL	8600		12	0.98	U	0.98	7.3		0.86	140		0.62	0.59		0.37	0.25	U	0.25
NB-86-05-SL	5800		11	0.91		0.91	5.8		0.79	130		0.57	0.56		0.34	0.23	U	0.23
NB-86-15-SL	9600		13	1	U	1	4.6		0.91	180		0.65	0.8		0.39	0.26	U	0.26
NB-86-19-SL	5700		13	1	U	1	7.9		0.88	110		0.63	0.62		0.38	0.93		0.25
OA-18-03-SL	11000		12	0.97	U	0.97	7.4		0.85	78		0.61	0.67		0.36	0.24	U	0.24
OA-18-17-SL	12000	*	13	1.1		1.1	8.4		0.92	160		0.66	0.64		0.4	0.53	U	0.53
OA-18-25-SL	9400		13	1.1	U	1.1	14		0.94	180		0.67	0.79		0.4	0.27	U	0.27
OA-18-33-SL	9600		13	1.1	U	1.1	4		0.93	120		0.67	0.76		0.4	0.27	U	0.27
OA-19-05-SL	11000		12	0.99	U	0.99	6.9		0.86	92		0.62	0.77		0.37	0.25	U	0.25
OA-19-15-SL	9500		14	1.1	U	1.1	7.6		0.95	91		0.68	0.82		0.41	0.27	U	0.27
OA-19-25-SL	14000		13	1	U	1	9.9		0.91	140		0.65	0.96		0.39	0.52	U	0.52
OA-19-33-SL	8000		13	1	U	1	1.4		0.88	88		0.63	0.64		0.38	0.25	U	0.25
PL-04-05-SL	12000		13	1	U	1	6.8		0.88	120		0.63	0.75		0.38	0.25	U	0.25
PL-04-13-SL	10000		13	1	U	1	8.7		0.9	160		0.64	0.76		0.39	0.26	U	0.26
PL-04-23-SL	11000		13	1	U	1	2.3		0.91	140		0.65	0.54		0.39	0.26	U	0.26
PL-04-31-SL	8000		13	1	U	1	5.9		0.9	120		0.64	0.74		0.39	0.33		0.26
PL-05-05-SL	10000		12	1		1	6.9		0.87	130		0.62	0.67		0.37	0.25	U	0.25
PL-05-15-SL	9500		13	1	U	1	6.3		0.88	130		0.63	0.68		0.38	0.25	U	0.25
PL-05-28-SL	10000		14	1.1	U	1.1	6.4		0.95	210		0.68	1.1		0.41	0.52		0.27
PL-06-07-SL	10000		12	0.99	U	0.99	8.1		0.87	130		0.62	0.78		0.37	0.25	U	0.25
PL-06-13-SL	9500		13	1	U	1	6.8		0.89	180		0.63	0.68		0.38	0.25	U	0.25
PL-06-17-SL	9200		13	1	U	1	6.5		0.88	130		0.63	0.66		0.38	0.25	U	0.25
PL-06-29-SL	6000		13	1	U	1	6.4		0.9	130		0.64	0.49		0.38	1.1		0.26
PL-06-33-SL	1100		11	0.87	U	0.87	4.5		0.77	25		0.55	0.33	U	0.33	0.22	U	0.22

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Aluminum			Antimony			Arsenic			Barium			Beryllium			Cadmium		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
RR-04-05-SL	13000		13	1	U	1	7.5		0.92	150		0.66	0.92		0.39	0.26	U	0.26
RR-04-15-SL	11000		13	1	U	1	7		0.88	140		0.63	0.68		0.38	0.25	U	0.25
RR-04-25-SL	8800		13	1	U	1	9		0.91	160		0.65	0.64		0.39	0.26	U	0.26
RR-05-05-SL	14000		13	1	U	1	8.4		0.9	110		0.64	0.99		0.38	0.26	U	0.26
RR-05-05-SL-FD	13000		13	1	U	1	8.3		0.89	150		0.63	0.93		0.38	0.25	U	0.25
RR-05-15-SL	8200		13	1	U	1	3.9		0.88	62		0.63	0.38		0.38	0.25	U	0.25
RR-05-25-SL	11000		13	1	U	1	6.2		0.88	110		0.63	0.72		0.38	0.25	U	0.25
SW-02-01-SL	10000		13	1	U	1	6.7		0.89	190		0.63	2.8		0.38	4.7		0.25
SW-02-09-SL	7800		13	1	U	1	9.6		0.91	110		0.65	1.1		0.39	1		0.26
SW-02-15-SL	13000		14	1.1	U	1.1	3.2		0.97	230		0.69	1.2		0.42	1.3		0.28
SW-02-23-SL	8100		14	1.1	U	1.1	8.1		0.99	170		0.71	0.81		0.43	0.66		0.28
SW-05-08-SL	9800		12	0.95	U	0.95	6.4		0.83	100		0.6	0.63		0.36	0.24	U	0.24
SW-05-12-SL	9700		12	0.97	U	0.97	7.2		0.85	160		0.61	0.63		0.36	0.24	U	0.24
SW-06-05-SL	10000		12	0.99	U	0.99	8.1		0.87	220		0.62	0.8		0.37	0.25	U	0.25
SW-06-05-SL-FD	9400		12	0.99	U	0.99	7.8		0.87	170		0.62	0.75		0.37	0.25	U	0.25
SW-06-13-SL	9600		12	1		0.99	9.1		0.87	190		0.62	0.73		0.37	0.25	U	0.25
SW-06-23-SL	7500		13	1.1	U	1.1	2.5		0.94	150		0.67	0.93		0.4	0.27	U	0.27
SW-07-05-SL	9000		13	1	U	1	8.1		0.88	110		0.63	0.71		0.38	0.25	U	0.25
SW-07-15-SL	8100		13	1		1	6.3		0.88	130	*	0.63	0.38		0.38	0.25	U	0.25
SW-07-23-SL	14000		14	1.1	U	1.1	7.2		0.95	250		0.68	1.1		0.41	0.27	U	0.27
SW-08-03-SL	6300		12	0.98		0.98	4.6		0.86	99		0.61	0.37		0.37	0.25	U	0.25
SW-08-05-SL	6000		13	1	U	1	6.3		0.89	130		0.64	0.73		0.38	0.25	U	0.25
SW-08-15-SL	10000		14	1.1	U	1.1	7.6		0.97	220		0.69	1.1		0.41	0.28	U	0.28
SW-08-25-SL	1000		11	0.91	U	0.91	3		0.8	16		0.57	0.34	U	0.34	0.23	U	0.23

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Cyanide			Fluoride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	1700		130	13		0.51	7.8		0.25	13		1	0.63	U	0.63	6.3	U	6.3
BD-13-15-SL	16000		130	14		0.5	5.6		0.25	13		1	0.63	U	0.63	6.3	U	6.3
BD-13-23-SL	1900		130	14		0.51	9.2		0.25	14		1	0.63	U	0.63	6.3	U	6.3
BD-13-30-SL	4100		130	22		0.52	7.4		0.26	12		1	0.65	U	0.65	6.5	U	6.5
BD-14-05-SL	2300		130	18		0.5	6.7		0.25	12		1	0.63	U	0.63	6.8		6.3
BD-14-13-SL	1600		130	16		0.51	5.1		0.25	13		1	0.64	U	0.64	6.4	U	6.4
BD-14-25-SL	5200		130	17		0.53	8.2		0.26	22		1.1	0.66	U	0.66	6.6	U	6.6
BD-14-31-SL	13000		120	10		0.49	5.8		0.25	11		0.99	0.62	U	0.62	6.2	U	6.2
BD-15-05-SL	2700		130	18		0.5	13		0.25	17		1	0.63	U	0.63	6.3	U	6.3
BD-15-17-SL	6100		150	18		0.59	11		0.29	27		1.2	0.73	U	0.73	7.3	U	7.3
BD-15-25-SL	5500		130	17		0.53	8.9		0.26	26		1.1	0.66	U	0.66	6.6	U	6.6
BD-15-31-SL	16000		130	10		0.51	6.7		0.26	9.2		1	0.64	U	0.64	6.4	U	6.4
BD-16-05-SL	2600		130	17		0.51	7		0.25	11		1	0.63	U	0.63	6.3	U	6.3
BD-16-15-SL	1500		130	13		0.5	13		0.25	13		1	0.63	U	0.63	6.3	U	6.3
BD-16-19-SL	5200		140	18		0.54	6.1		0.27	28		1.1	0.68	U	0.68	6.8	U	6.8
BD-16-25-SL	2900		140	16		0.57	12		0.29	18		1.1	0.71	U	0.71	7.1	U	7.1
BD-16-34-SL	3800		130	18		0.53	6.6		0.26	18		1.1	0.66	U	0.66	6.6	U	6.6
BLD240-01-01	1400		0	12		0	50		0	11		0	0.6	U	0	6.1	U	0
BLD240-01-09	NA			NA			NA			NA			NA			6.2	U	0
BLD240-01-09FD	NA			NA			NA			NA			NA			6.2	U	0
BLD240-01-31	7600		0	12		0	7.8		0	11		0	0.62	U	0	NA		
BLD240-01-31FD	6400		0	13		0	6.3		0	10		0	0.62	U	0	NA		
BLD240-03-04	2100		0	16		0	6.7		0	12		0	0.62	U	0	6.2	U	0
BLD240-03-04FD	NA			NA			NA			NA			NA			6.2	U	0
BLD240-03-14	1300		0	13		0	7.6		0	12		0	0.63	U	0	NA		
BLD240-03-19	NA			NA			NA			NA			NA			6.4	U	0
BLD240-04-02	1600		0	16		0	20		0	12		0	0.6	U	0	6	U	0
BLD240-04-04	NA			NA			NA			NA			NA			6.1	U	0
BLD240-04-33	5100		0	13		0	7.3		0	9.9		0	0.58	U	0	NA		
BLD240-05-01	1600		0	49		0	6.2		0	12		0	0.63	U	0	6.9		0
BLD240-05-02	NA			NA			NA			NA			NA			5.7	U	0
BLD240-05-23	29000		0	15		0	11		0	38		0	0.67	U	0	NA		
BLD253-02-01	190000		0	9.1		0	2		0	16		0	0.55	U	0	190		0
BLD253-02-04	NA			NA			NA			NA			NA			71		0
BLD253-02-21	25000		0	28		0	9.8		0	16		0	0.65	U	0	NA		
BLD253-02-21FD	35000		0	27		0	9.2		0	15		0				57		0
BLD255-07-02	2600		0	16		0	32		0	13		0	0.6	U	0	6	U	0
BLD255-07-15	NA			NA			NA			NA			NA			6.3	U	0
BLD255-07-33	11000		0	16		0	7.4		0	20		0	0.65	U	0	NA		
BLD255-08-01	2400		0	13		0	39		0	12		0	0.5	U	0	20		0
BLD255-08-08	NA			NA			NA			NA			NA			6.2	U	0
BLD255-08-24	11000		0	18		0	11		0	28		0	0.5	U	0	NA		

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Cyanide			Fluoride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BLD260-06-01	13000	N	0	17		0	31	N	0	16		0	0.66	U	0	6.6	UN*	0
BLD260-06-31	1500		0	12		0	6.5		0	7		0	0.6	U	0	6.1	U	0
BP-13-05-SL	1500		120	15		0.49	8.3	*	0.25	13		0.98	0.62	U	0.62	12	N	6.2
BP-13-11-SL	1400		130	15		0.5	7		0.25	12		1	0.63	U	0.63	8.5		6.3
BP-13-15-SL	1400		130	14		0.51	8.9		0.25	12		1	0.63	U	0.63	7.1		6.3
BP-13-25-SL	4700		140	18		0.57	9.7		0.29	29		1.1	0.72	U	0.72	8.7		7.2
BP-13-35-SL	1700		130	15		0.5	7.2		0.25	11		1	0.63	U	0.63	6.3	U	6.3
BP-17-05-SL	1600		120	11		0.49	8.8		0.24	9.5		0.98	0.61	U	0.61	18		6.1
BP-17-15-SL	5000		140	16		0.55	15		0.27	24		1.1	0.69	U	0.69	6.9	U	6.9
BP-17-23-SL	5200		130	16		0.53	6.1		0.26	20		1.1	0.66	U	0.66	6.6	U	6.6
BP-17-31-SL	3500		130	16		0.54	6.9		0.27	14		1.1	0.67	U	0.67	6.7	U	6.7
BP-18-05-SL	5400	*N	120	12		0.48	9.6		0.24	11		0.95	0.6	U	0.6	7.4	N	6
BP-18-15-SL	8100		130	13		0.53	12		0.26	31		1.1	0.66	U	0.66	6.6	U	6.6
BP-18-25-SL	6300		140	17		0.54	12		0.27	22		1.1	0.68	U	0.68	6.8	U	6.8
BP-18-31-SL	1800		110	14		0.46	5.1		0.23	6.6		0.92	0.57	U	0.57	5.7	U	5.7
BP-19-05-SL	1200		120	15		0.5	9.2		0.25	12		0.99	0.62	U	0.62	6.2	U	6.2
BP-19-13-SL	1500		130	14		0.51	8.4		0.26	13		1	0.64	U	0.64	6.4	U	6.4
BP-19-25-SL	2600		140	15		0.55	10		0.27	17		1.1	0.69	U	0.69	6.9	U	6.9
BP-19-29-SL	13000		130	15		0.53	6.4		0.27	14		1.1	0.66	U	0.66	6.6	U	6.6
BP-20-03-SL	990		120	26		0.5	12		0.25	11		0.99	0.62	U	0.62	6.2	U	6.2
BP-20-19-SL	1500		130	20		0.52	7.8		0.26	14		1	0.64	U	0.64	6.4	U	6.4
BP-20-27-SL	3800		120	14		0.49	8.1		0.25	10		0.98	0.61	U	0.61	6.1	U	6.1
BP-21-07-SL	1600		130	15		0.5	10		0.25	14		1	0.63	U	0.63	6.3	U	6.3
BP-21-07-SL-FD	1400		120	14		0.5	7.3		0.25	12		1	0.62	U	0.62	6.2	U	6.2
BP-21-13-SL	1500		130	14		0.52	10		0.26	14		1	0.65	U	0.65	6.5	U	6.5
BP-21-24-SL	2600		130	20		0.51	4.8		0.26	16		1	0.64	U	0.64	6.4	U	6.4
BP-21-34-SL	18000		120	10		0.47	7.8		0.24	7.4		0.94	0.59	U	0.59	5.9	U	5.9
BP-22-05-SL	1700		120	15		0.49	9.5		0.25	14		0.98	0.62	U	0.62	6.2	UN	6.2
BP-22-13-SL	1400		130	14		0.51	6.7		0.25	13		1	0.63	U	0.63	6.3	U	6.3
BP-22-23-SL	1700		130	16		0.52	9.2		0.26	14		1	0.65	U	0.65	6.5	U	6.5
BP-22-33-SL	19000		130	8.3		0.51	3.3		0.25	4.7		1	0.63	U	0.63	6.3	U	6.3
CB-02-05-SL	2900		120	23		0.5	12		0.25	16		1	0.62	U	0.62	6.3		6.2
CB-02-05-SL-FD	14000		130	23		0.5	8.6		0.25	17		1	0.63	U	0.63	7.6		6.3
CB-02-15-SL	4600		120	15		0.5	6.2		0.25	13		1	0.62	U	0.62	6.2	U	6.2
CB-02-25-SL	3500		140	16		0.54	8.2		0.27	13		1.1	0.68	U	0.68	6.8	U	6.8
DM-02-05-SL	2400		120	16		0.5	5.7		0.25	12		1	0.62	U	0.62	66		6.2
DM-02-17-SL	24000		130	15		0.53	6.2		0.26	27		1.1	0.66	U	0.66	15		6.6
DM-02-25-SL	4900		130	15		0.53	16		0.26	30		1.1	0.66	U	0.66	6.7		6.6
DM-02-33-SL	2900		130	19		0.51	5.1		0.26	13		1	0.64	U	0.64	6.4	U	6.4
DM-03-05-SL	1900		130	16		0.5	4.8		0.25	13		1	0.63	U	0.63	8.1		6.3
DM-03-05-SL-FD	1800		130	16		0.5	8.3		0.25	13		1	0.63	U	0.63	42		6.3
DM-03-13-SL	1600		130	13		0.52	6.9		0.26	13		1	0.64	U	0.64	6.4	U	6.4

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Cyanide			Fluoride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-25-SL	2000		140	16		0.58	7.3		0.29	13		1.2	0.72	U	0.72	8.8		7.2
DM-03-34-SL	11000		120	12		0.49	7.1		0.24	9.6		0.98	0.61	U	0.61	6.1	U	6.1
EP-13-06-SL	720	=	120	17	=	0.5	13	=	0.25	14	=	1	0.62	U	0.62	190	J	6.2
EP-13-13-SL	680	=	130	15	=	0.5	9.4	=	0.25	14	=	1	0.63	U	0.63	85	J	6.3
EP-13-25-SL	840	=	130	16	=	0.5	8.9	=	0.25	14	=	1	0.63	U	0.63	30	J	6.3
EP-13-30-SL	350	=	120	7.1	=	0.46	7.3	=	0.23	3	=	0.93	0.58	U	0.58	5.8	UJ	5.8
EP-14-05-SL	3700	=	120	15	=	0.49	4.5	=	0.25	11	=	0.99	0.62	U	0.62	58	J	6.2
EP-14-13-SL	1500	=	130	15	=	0.51	7.5	=	0.25	14	=	1	0.63	U	0.63	6.4	UJ	6.4
EP-14-25-SL	1800	=	130	16	=	0.52	7.9	=	0.26	14	=	1	0.65	U	0.65	6.6	J	6.5
EP-14-31-SL	6000	=	120	12	=	0.5	8.4	=	0.25	11	=	0.99	0.62	U	0.62	6.2	UJ	6.2
EP-15-05-SL	930		120	16		0.5	7		0.25	13		1	0.62	U	0.62	14		6.2
EP-15-13-SL	1500		130	17		0.52	7.1		0.26	16		1	0.64	U	0.64	24		6.4
EP-15-25-SL	2000		120	9.8		0.49	4.2		0.25	7.2		0.99	0.62	U	0.62	6.2	U	6.2
EP-15-29-SL	18000		130	10		0.51	6.5		0.26	13		1	0.64	U	0.64	6.4	U	6.4
EP-16-05-SL	1800		120	17		0.5	10	*	0.25	15		0.99	0.62	U	0.62	9.5	N	6.2
EP-16-15-SL	1500		130	17		0.51	3.3		0.25	13		1	0.63	U	0.63	23		6.3
EP-16-27-SL	400		120	9		0.47	3.2		0.23	3.8		0.93	0.58	U	0.58	5.8	U	5.8
EP-17-05-SL	1600		120	16		0.5	9.8		0.25	15		0.99	0.62	U	0.62	11		6.2
EP-17-15-SL	1600		130	13		0.5	9.6		0.25	13		1	0.63	U	0.63	9.9		6.3
EP-17-25-SL	2500		130	14		0.51	7.8		0.26	14		1	0.64	U	0.64	15		6.4
EP-17-30-SL	18000		130	9.5		0.52	6		0.26	10		1	0.65	U	0.65	6.5	U	6.5
EP-18-09-SL	31000	=	120	29	=	0.48	7.4	=	0.24	22	=	0.97	0.6	U	0.6	70	J	6.1
EP-18-09-SL-FD	16000	=	120	24	=	0.49	9.1	=	0.24	16	=	0.97	0.61	U	0.61	100	J	6.1
EP-18-15-SL	1500	=	130	16	=	0.51	6.5	=	0.26	13	=	1	0.64	U	0.64	9.6	J	6.4
EP-18-29-SL	5600	=	140	20	=	0.54	9.7	=	0.27	23	=	1.1	0.68	U	0.68	7.7	J	6.8
EP-19-05-SL	740	=	120	17	=	0.5	8.1	=	0.25	15	=	1	0.62	U	0.62	120	J	6.2
EP-19-13-SL	610	=	130	15	=	0.51	9.1	=	0.26	14	=	1	0.64	U	0.64	69	J	6.4
EP-19-25-SL	2500	=	130	18	=	0.51	7.4	=	0.25	16	=	1	0.63	U	0.63	6.3	UJ	6.3
EP-19-31-SL	4900	=	140	15	=	0.55	5.6	=	0.28	24	=	1.1	0.69	U	0.69	6.9	UJ	6.9
EP-20-05-SL	1500		120	16		0.5	11		0.25	16		1	0.62	U	0.62	6.2	U	6.2
EP-20-15-SL	1200		130	14		0.51	9.7		0.26	13		1	0.64	U	0.64	6.4	U	6.4
EP-20-25-SL	1900		130	15		0.52	6.5		0.26	14		1	0.65	U	0.65	6.5	U	6.5
GS-06-05-SL	4800		110	17		0.46	8.6		0.23	14		0.91	0.57	U	0.57	5.7	U	5.7
GS-06-19-SL	120000		620	5.8		0.5	3.2		0.25	8.6		1	0.62	U	0.62	6.2	U	6.2
GS-06-25-SL	77000		610	5.9		0.49	5.4		0.24	11		0.98	0.61	U	0.61	6.1	U	6.1
GS-07-05-SL	2400		120	18		0.48	18		0.24	14		0.96	0.6	U	0.6	6	U	6
GS-07-15-SL	2800		130	15		0.51	8.5		0.26	15		1	0.64	U	0.64	6.4	U	6.4
GS-07-25-SL	3600		130	14		0.51	8.5		0.26	19		1	0.64	U	0.64	6.4	U	6.4
GS-09-05-SL	2000		120	14		0.5	5.8		0.25	11		1	0.62	U	0.62	6.2	UN	6.2
GS-09-15-SL	2500		130	17		0.51	8.6		0.26	15		1	0.64	U	0.64	6.4	U	6.4
GS-09-23-SL	2100		120	14		0.5	10		0.25	14		0.99	0.62	U	0.62	6.2	U	6.2
LF-06-05-SL	2700		120	17		0.49	8.8		0.24	13		0.97	0.61	U	0.61	6.1	U	6.1

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Cyanide			Fluoride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
LF-06-13-SL	2100		120	18		0.5	4.6		0.25	13		0.99	0.62	U	0.62	6.2	U	6.2
LF-06-27-SL	1700		130	17		0.52	7.4		0.26	15		1	0.64	U	0.64	6.4	U	6.4
LF-06-32-SL	4800		110	14		0.46	6.1		0.23	7		0.92	0.57	U	0.57	5.7	U	5.7
LF-07-03-SL	18000		120	11		0.48	5.9		0.24	9.4		0.96	0.6	U	0.6	8.4	N	6
LF-07-15-SL	1800		130	12		0.5	19		0.25	14		1	0.63	U	0.63	6.3	U	6.3
LF-07-25-SL	2000		130	16		0.51	6.1		0.25	13		1	0.63	U	0.63	8.1		6.3
LF-07-34-SL	870		120	9.1		0.48	4.6		0.24	7.1		0.96	0.6	U	0.6	6	U	6
LF-08-03-SL	2600		120	13		0.49	9.6		0.25	13		0.98	0.62	U	0.62	10		6.2
LF-08-03-SL-FD	7100		120	14		0.49	10		0.25	15		0.99	0.62	U	0.62	17		6.2
LF-08-15-SL	1700		120	14		0.49	17		0.25	15		0.99	0.62	U	0.62	6.2	U	6.2
LF-08-21-SL	1600		130	13		0.5	9.7		0.25	14		1	0.63	U	0.63	6.3	U	6.3
LF-08-37-SL	1600		110	13		0.45	3.8		0.22	3.3		0.89	0.56	U	0.56	5.6	U	5.6
LF-09-03-SL	91000		220	9.9		0.45	6.2		0.22	9.2		0.89	0.56	U	0.56	15		5.6
LF-09-17-SL	3200		130	16		0.51	9.9		0.26	14		1	0.64	U	0.64	6.4	U	6.4
LF-09-25-SL	5200		130	15		0.51	9.3		0.25	14		1	0.64	U	0.64	6.7		6.4
LF-09-31-SL	3900		120	9		0.49	6		0.25	5.9		0.98	0.61	U	0.61	6.1	U	6.1
NB-28-04-SL	1400		120	13		0.49	9.7		0.24	12		0.98	0.61	U	0.61	6.1	U	6.1
NB-28-14-SL	1200		120	16		0.49	14		0.24	11		0.98	0.61	U	0.61	6.1	U	6.1
NB-28-24-SL	1500		130	15		0.51	7.5		0.26	15		1	0.64	U	0.64	6.4	U	6.4
NB-28-35-SL	530		120	15		0.49	3.8		0.25	4.4		0.99	0.62	U	0.62	6.2	U	6.2
NB-29-05-SL	3600		120	11		0.5	8		0.25	11		1	0.62	U	0.62	6.2	U	6.2
NB-29-14-SL	520		120	14		0.47	3.7		0.23	1.5		0.94	0.58	U	0.58	5.9	U	5.9
NB-29-22-SL	3700		110	26		0.45	5.3		0.23	4.1		0.91	0.57	U	0.57	5.7	U	5.7
NB-30-05-SL	1200		130	15		0.5	7.3		0.25	13		1	0.63	U	0.63	6.3	UN	6.3
NB-30-15-SL	1500		130	13		0.51	9		0.25	14		1	0.64	U	0.64	6.4	U	6.4
NB-30-25-SL	1500		130	14		0.53	8.1		0.26	13		1.1	0.66	U	0.66	6.6	U	6.6
NB-30-33-SL	5200		130	15		0.5	6.7		0.25	11		1	0.63	U	0.63	6.3	U	6.3
NB-31-05-SL	1700		120	16		0.5	17		0.25	16		0.99	0.62	U	0.62	6.2	U	6.2
NB-31-15-SL	1500		130	14		0.51	6.7		0.25	13		1	0.63	U	0.63	6.3	U	6.3
NB-31-27-SL	2500		130	17		0.52	6.2		0.26	16		1	0.65	U	0.65	6.5	U	6.5
NB-31-32-SL	5200		120	12		0.47	12		0.23	13		0.94	0.59	U	0.59	5.9	U	5.9
NB-32-05-SL	3800		120	15		0.5	9.8		0.25	15		0.99	0.62	U	0.62	6.2	U	6.2
NB-32-15-SL	2000		130	13		0.51	9.8		0.25	13		1	0.63	U	0.63	6.3	U	6.3
NB-32-27-SL	2500		130	16		0.5	6.3		0.25	19		1	0.63	U	0.63	6.3	U	6.3
NB-32-33-SL	6600		110	11		0.46	7.7		0.23	8		0.92	0.57	U	0.57	5.7	U	5.7
NB-33-05-SL	2400		120	16		0.49	8.9		0.25	15		0.99	0.62	U	0.62	6.2	U	6.2
NB-33-15-SL	1500		130	13		0.5	7.8		0.25	15		1	0.63	U	0.63	6.3	U	6.3
NB-33-27-SL	7100		120	11		0.49	8.8		0.25	13		0.98	0.61	U	0.61	6.1	U	6.1
NB-34-05-SL	1600		120	13		0.5	11		0.25	13		1	0.62	U	0.62	6.2	U	6.2
NB-34-15-SL	1400		130	12		0.5	7.9		0.25	14		1	0.63	U	0.63	6.3	U	6.3
NB-34-25-SL	680		120	12		0.48	4		0.24	6		0.96	0.6	U	0.6	6	U	6
NB-35-01-SL	1300		120	14		0.5	9.6		0.25	13		0.99	0.62	U	0.62	8.3		6.2

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Cyanide			Fluoride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-35-15-SL	1300		130	12		0.51	9		0.26	14		1	0.64	U	0.64	6.4	U	6.4
NB-35-25-SL	2100		130	14		0.52	5.5		0.26	15		1	0.65	U	0.65	6.5	U	6.5
NB-36-05-SL	1200		130	12		0.5	7.6		0.25	11		1	0.63	U	0.63	6.3	U	6.3
NB-36-15-SL	4300		130	17		0.5	54		0.25	26		1	0.63	U	0.63	6.3	U	6.3
NB-36-27-SL	4600		130	18		0.51	8.8		0.25	22		1	0.63	U	0.63	6.3	U	6.3
NB-37-05-SL	17000		120	13		0.5	9.5		0.25	13		0.99	0.62	U	0.62	6.2	U	6.2
NB-37-15-SL	1500		130	13		0.51	11		0.25	15		1	0.63	U	0.63	6.3	U	6.3
NB-37-25-SL	1700		130	14		0.53	9.4		0.27	13		1.1	0.66	U	0.66	6.6	U	6.6
NB-38-09-SL	1600		120	13		0.5	8.4		0.25	13		0.99	0.62	U	0.62	6.2	U	6.2
NB-38-15-SL	1400		130	13		0.51	9		0.25	14		1	0.63	U	0.63	6.3	U	6.3
NB-38-25-SL	2700		130	13		0.52	7.7		0.26	13		1	0.65	U	0.65	6.5	U	6.5
NB-39-05-SL	1700		130	16		0.5	14		0.25	15		1	0.63	U	0.63	6.6		6.3
NB-39-15-SL	1600		130	15		0.52	10		0.26	14		1	0.65	U	0.65	6.5	U	6.5
NB-39-25-SL	2200		130	16		0.53	9.9		0.26	15		1.1	0.66	U	0.66	6.6	U	6.6
NB-39-30-SL	3000		130	14		0.51	9.3		0.26	12		1	0.64	U	0.64	6.4	U	6.4
NB-40-05-SL	2000		120	13		0.49	9.1		0.24	11		0.98	0.61	U	0.61	6.1	U	6.1
NB-40-05-SL-FD	5800		120	11		0.49	10		0.24	12		0.98	0.61	U	0.61	6.1	U	6.1
NB-40-17-SL	1400		130	12		0.51	9.9		0.25	14		1	0.63	U	0.63	6.3	U	6.3
NB-40-25-SL	590		120	8.2		0.47	3.9		0.24	5.5		0.95	0.59	U	0.59	5.9	U	5.9
NB-40-31-SL	1800		110	9		0.46	3.6		0.23	3.7		0.92	0.57	U	0.57	5.7	U	5.7
NB-41-05-SL	3200		120	9.7		0.48	6.8		0.24	9.4		0.97	0.61	U	0.61	6.1	U	6.1
NB-41-13-SL	1400		120	19		0.5	5.9		0.25	6.6		0.99	0.62	U	0.62	6.2	U	6.2
NB-41-19-SL	700		130	17		0.51	5.5		0.25	8.5		1	0.63	U	0.63	6.3	U	6.3
NB-42-05-SL	7600		120	9.6		0.49	7.5		0.24	11		0.97	0.61	U	0.61	6.1	UN	6.1
NB-42-13-SL	3500		110	13		0.45	4.7		0.23	6		0.91	0.57	U	0.57	5.7	U	5.7
NB-42-23-SL	9900		120	14		0.47	4.9		0.24	6.7		0.95	0.59	U	0.59	5.9	U	5.9
NB-43-05-SL	2800		130	11		0.5	7.6		0.25	11		1	0.63	U	0.63	6.3	U	6.3
NB-43-13-SL	860		120	13		0.47	4.6		0.23	5.9		0.94	0.59	U	0.59	5.9	U	5.9
NB-44-05-SL	1300		120	10		0.48	6.1		0.24	7.9		0.95	0.59	U	0.59	5.9	U	5.9
NB-44-05-SL-FD	730		110	11		0.44	4.7		0.22	4.6		0.89	0.55	U	0.55	5.5	U	5.5
NB-44-11-SL	410		110	14		0.44	4.1		0.22	2.8		0.88	0.55	U	0.55	5.5	U	5.5
NB-44-18-SL	8000		120	11		0.47	3.9		0.24	6.5		0.95	0.59	U	0.59	5.9	U	5.9
NB-45-05-SL	2900		120	14		0.5	9.3		0.25	13		0.99	0.62	U	0.62	6.2	U	6.2
NB-45-05-SL-FD	3000		120	15		0.5	12		0.25	14		1	0.62	U	0.62	6.2	U	6.2
NB-45-13-SL	1700		130	14		0.51	8.3		0.25	13		1	0.63	U	0.63	6.3	U	6.3
NB-45-25-SL	2600		130	17		0.51	7.2		0.26	17		1	0.64	U	0.64	6.4	U	6.4
NB-45-33-SL	11000		130	15		0.51	6.2		0.25	10		1	0.64	U	0.64	6.4	U	6.4
NB-46-09-SL	1700		130	16		0.51	12		0.26	16		1	0.64	U	0.64	6.9		6.4
NB-46-17-SL	1400		120	15		0.49	15		0.24	12		0.97	0.61	U	0.61	6.1	U	6.1
NB-46-25-SL	2500		130	15		0.51	22		0.26	17		1	0.64	U	0.64	6.4	U	6.4
NB-46-29-SL	4000		130	13		0.5	7.8		0.25	16		1	0.63	U	0.63	6.3	U	6.3
NB-47-05-SL	2300		120	17		0.49	11		0.24	12		0.97	0.61	U	0.61	6.1	UN	6.1

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Cyanide			Fluoride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-47-15-SL	5900		140	19		0.54	14		0.27	32		1.1	0.68	U	0.68	6.8	U	6.8
NB-47-25-SL	3000		120	19		0.49	15		0.25	19		0.99	0.62	U	0.62	6.2	U	6.2
NB-47-31-SL	4100		140	17		0.55	9.1		0.27	17		1.1	0.69	U	0.69	6.9	U	6.9
NB-48-05-SL	1700		120	15		0.49	8.9		0.24	11		0.97	0.61	U	0.61	6.1	U	6.1
NB-48-11-SL	1500		130	14		0.53	11		0.26	10		1.1	0.66	U	0.66	6.6	U	6.6
NB-48-15-SL	2400		130	17		0.53	7.9		0.26	15		1.1	0.66	U	0.66	6.6	U	6.6
NB-48-25-SL	15000		130	16		0.53	11		0.27	23		1.1	0.67	U	0.67	6.7	U	6.7
NB-48-35-SL	3500		130	19		0.5	8.4		0.25	15		1	0.63	U	0.63	6.3	U	6.3
NB-49-05-SL	1800		120	14		0.49	10		0.24	12		0.97	0.61	U	0.61	6.1	UN*	6.1
NB-49-05-SL-FD	1600		120	14		0.48	12		0.24	11		0.97	0.6	U	0.6	6	U	6
NB-49-15-SL	3200		130	20		0.52	14		0.26	19		1	0.65	U	0.65	6.5	U	6.5
NB-49-25-SL	6600		140	17		0.56	10		0.28	30		1.1	0.69	U	0.69	6.9	U	6.9
NB-49-37-SL	3800		130	16		0.52	5.8		0.26	11		1	0.65	U	0.65	6.5	U	6.5
NB-50-05-SL	1600		120	15		0.48	8.2		0.24	12		0.97	0.61	U	0.61	6.1	U	6.1
NB-50-15-SL	5300		130	18		0.51	5.5		0.26	28		1	0.64	U	0.64	6.4	U	6.4
NB-50-25-SL	12000		140	19		0.57	16		0.28	32		1.1	0.71	U	0.71	7.1	U	7.1
NB-50-37-SL	8700		130	17		0.53	9.3		0.27	20		1.1	0.66	U	0.66	6.6	U	6.6
NB-51-05-SL	1400		120	16		0.49	13		0.25	13		0.98	0.61	U	0.61	6.1	U	6.1
NB-51-13-SL	1600		130	16		0.51	6.7		0.25	11		1	0.64	U	0.64	6.4	U	6.4
NB-51-25-SL	20000		130	17		0.54	9.9		0.27	31		1.1	0.67	U	0.67	6.7	U	6.7
NB-51-37-SL	8400		130	15		0.51	9.4		0.25	20		1	0.63	U	0.63	6.3	U	6.3
NB-52-05-SL	1300		120	15		0.49	14		0.25	12		0.98	0.61	U	0.61	6.1	U	6.1
NB-52-13-SL	1200		130	17		0.52	11		0.26	12		1	0.65	U	0.65	6.5	U	6.5
NB-52-25-SL	5400		140	16		0.55	7.7		0.27	22		1.1	0.68	U	0.68	6.8	U	6.8
NB-52-35-SL	3300		120	15		0.48	7.8		0.24	15		0.95	0.59	U	0.59	5.9	U	5.9
NB-53-05-SL	3700		120	14		0.49	6.6		0.25	11		0.99	0.62	U	0.62	6.2	U	6.2
NB-53-13-SL	13000		130	16		0.51	7.7		0.25	14		1	0.63	U	0.63	6.3	U	6.3
NB-53-23-SL	3600		130	18		0.53	6.8		0.26	20		1.1	0.66	U	0.66	6.6	U	6.6
NB-53-33-SL	12000		130	11		0.51	5.9		0.26	11		1	0.64	U	0.64	6.4	U	6.4
NB-54-05-SL	2600		130	18		0.5	6.3		0.25	14		1	0.63	UN	0.63	6.3	UN	6.3
NB-54-13-SL	17000		130	16		0.51	5.7		0.25	13		1	0.64	U	0.64	6.4	U	6.4
NB-54-25-SL	4900		140	16		0.55	6.7		0.28	26		1.1	0.69	U	0.69	6.9	U	6.9
NB-54-31-SL	2600		110	7.5		0.44	2.1		0.22	2.1		0.88	0.55	U	0.55	5.5	U	5.5
NB-55-05-SL	2600		120	15		0.5	8.6		0.25	13		1	0.62	U	0.62	6.2	U	6.2
NB-55-13-SL	2300		130	14		0.5	9.7		0.25	13		1	0.63	U	0.63	6.3	U	6.3
NB-55-25-SL	2800		150	17		0.59	9.6		0.29	16		1.2	0.74	U	0.74	7.4	U	7.4
NB-55-33-SL	7200		120	12		0.47	3.6		0.23	6		0.94	0.59	U	0.59	5.9	U	5.9
NB-56-05-SL	3600		120	16		0.49	6.9		0.25	14		0.98	0.61	U	0.61	6.1	U	6.1
NB-56-13-SL	6600		130	15		0.51	11		0.26	14		1	0.64	U	0.64	6.4	U	6.4
NB-56-25-SL	3600		130	15		0.51	6.3		0.25	14		1	0.63	U	0.63	6.3	U	6.3
NB-56-33-SL	5400		130	17		0.52	7.9		0.26	27		1	0.65	U	0.65	6.5	U	6.5
NB-57-05-SL	2800		130	15		0.5	8.4		0.25	12		1	0.63	U	0.63	6.3	UN	6.3

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Cyanide			Fluoride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-57-05-SL-FD	5400		120	14		0.5	6.1		0.25	12		0.99	0.62	U	0.62	6.2	U	6.2
NB-57-15-SL	2300		130	16		0.51	8.5		0.26	14		1	0.64	U	0.64	6.4	U	6.4
NB-57-29-SL	3400		130	18		0.53	10		0.27	17		1.1	0.66	U	0.66	6.6	U	6.6
NB-57-34-SL	21000		130	13		0.53	11		0.26	18		1.1	0.66	U	0.66	6.6	U	6.6
NB-58-05-SL	2600		120	15		0.49	9.7		0.24	11		0.97	0.61	U	0.61	6.1	U	6.1
NB-58-15-SL	1900		130	15		0.51	5.7		0.26	14		1	0.64	U	0.64	6.4	U	6.4
NB-58-29-SL	30000		140	15		0.55	7.4		0.27	28		1.1	0.68	U	0.68	6.8	U	6.8
NB-58-36-SL	2700		120	16		0.47	4.8		0.24	13		0.94	0.59	U	0.59	5.9	U	5.9
NB-59-05-SL	2200		120	17		0.5	9.4		0.25	13		1	0.62	U	0.62	6.2	U	6.2
NB-59-13-SL	1900		130	13		0.51	8.3		0.26	13		1	0.64	U	0.64	6.4	U	6.4
NB-59-25-SL	3000		130	16		0.52	8.9		0.26	16		1	0.65	U	0.65	6.5	U	6.5
NB-59-31-SL	8100		130	14		0.51	8.2		0.25	14		1	0.63	U	0.63	6.3	U	6.3
NB-60-05-SL	2900		120	16		0.49	7.1	*	0.25	13		0.98	0.61	U	0.61	6.1	U	6.1
NB-60-13-SL	1700		130	15		0.51	7.7		0.25	13		1	0.64	U	0.64	6.4	U	6.4
NB-60-23-SL	4800		140	16		0.56	6.4		0.28	19		1.1	0.7	U	0.7	7	U	7
NB-60-31-SL	6100		120	16		0.49	7.9		0.25	3.8		0.99	0.62	U	0.62	6.2	U	6.2
NB-61-05-SL	1400		120	16		0.49	11	*	0.25	14		0.99	0.62	U	0.62	6.2	UN*	6.2
NB-61-13-SL	1400		130	14		0.51	11		0.25	13		1	0.63	U	0.63	6.3	U	6.3
NB-61-23-SL	1700		130	14		0.51	8.6		0.26	16		1	0.64	U	0.64	6.4	U	6.4
NB-61-28-SL	2300		120	12		0.5	6.8		0.25	15		1	0.62	U	0.62	6.2	U	6.2
NB-62-05-SL	1500		120	9.9		0.47	5.8		0.23	7.7		0.94	0.59	U	0.59	5.9	U	5.9
NB-62-12-SL	500		110	14		0.45	4.7		0.22	5.8		0.89	0.56	U	0.56	5.6	U	5.6
NB-62-22-SL	1400		110	21		0.45	4.7		0.22	3		0.9	0.56	U	0.56	5.6	U	5.6
NB-63-05-SL	8900		120	10		0.49	7.9		0.25	12		0.99	0.62	U	0.62	6.2	UN	6.2
NB-63-13-SL	760		120	11		0.47	6.5		0.23	4.2		0.93	0.58	U	0.58	5.8	U	5.8
NB-63-19-SL	24000		120	9.1		0.49	4		0.24	7.2		0.97	0.61	U	0.61	6.1	U	6.1
NB-64-05-SL	1500		120	9.7		0.46	6.5		0.23	7.8		0.92	0.58	U	0.58	5.8	U	5.8
NB-64-13-SL	1600		110	7.4		0.43	3.2		0.22	3.9		0.87	0.54	U	0.54	5.4	U	5.4
NB-64-17-SL	400		110	14		0.45	4.4		0.22	2.3		0.89	0.56	U	0.56	5.6	U	5.6
NB-65-05-SL	1800		120	10		0.48	7		0.24	9.8		0.95	0.59	U	0.59	5.9	UN	5.9
NB-65-13-SL	1800		120	11		0.48	7.1		0.24	9		0.96	0.6	U	0.6	6	U	6
NB-65-17-SL	3300		120	18		0.46	6.2		0.23	6.5		0.93	0.58	U	0.58	5.8	U	5.8
NB-66-05-SL	3000		110	9.2		0.46	5.4		0.23	7.2		0.92	0.57	U	0.57	5.7	U	5.7
NB-66-05-SL-FD	3700		110	9.8		0.46	5.4		0.23	7.2		0.92	0.57	U	0.57	5.7	U	5.7
NB-66-15-SL	7800		120	10		0.49	5.9		0.24	8.4		0.98	0.61	U	0.61	6.1	U	6.1
NB-66-19-SL	2500		110	13		0.46	5.6		0.23	3.5		0.92	0.57	U	0.57	5.7	U	5.7
NB-67-05-SL	6600		120	10		0.49	8.1		0.24	9.7		0.98	0.61	U	0.61	6.1	U	6.1
NB-67-11-SL	300		110	20		0.43	5.5		0.22	3		0.87	0.54	U	0.54	5.4	U	5.4
NB-67-21-SL	10000		110	16		0.46	5.6		0.23	4.4		0.92	0.57	U	0.57	5.7	U	5.7
NB-68-05-SL	1600		120	17		0.5	7.3		0.25	12		1	0.62	U	0.62	6.2	U	6.2
NB-68-13-SL	1700		130	12		0.5	12		0.25	13		1	0.63	U	0.63	6.3	U	6.3
NB-68-17-SL	1700		120	14		0.49	9.9		0.25	12		0.98	0.61	U	0.61	6.1	U	6.1

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Cyanide			Fluoride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-68-25-SL	9000		140	16		0.56	7.1		0.28	30		1.1	0.7	U	0.7	7	U	7
NB-68-33-SL	760		120	9.5	N	0.48	2.1		0.24	3		0.96	0.6	U	0.6	6	U	6
NB-69-05-SL	1500		120	15		0.48	12		0.24	12		0.97	0.61	U	0.61	6.1	U	6.1
NB-69-15-SL	1700		120	19		0.48	10		0.24	12		0.97	0.61	U	0.61	6.1	U	6.1
NB-69-22-SL	6100		140	19		0.58	11		0.29	25		1.2	0.72	U	0.72	7.2	U	7.2
NB-69-34-SL	2000		130	17		0.5	3.3		0.25	11		1	0.63	U	0.63	6.3	U	6.3
NB-70-05-SL	1600		120	17		0.5	9.2		0.25	13		0.99	0.62	U	0.62	6.2	U	6.2
NB-70-15-SL	1700		130	15		0.51	6.6		0.26	13		1	0.64	U	0.64	6.4	UN	6.4
NB-70-23-SL	52000		140	15		0.55	5.6		0.28	29		1.1	0.69	U	0.69	7.4		6.9
NB-70-33-SL	17000		120	8.6		0.49	4		0.25	7		0.98	0.61	U	0.61	6.1	U	6.1
NB-71-05-SL	1700		120	18		0.5	9.7		0.25	16		1	0.62	U	0.62	6.2	U	6.2
NB-71-05-SL-FD	1600		120	19		0.49	7.1		0.25	15		0.98	0.62	U	0.62	6.2	U	6.2
NB-71-13-SL	1600		120	18		0.5	10		0.25	14		1	0.62	U	0.62	6.2	U	6.2
NB-71-27-SL	23000		120	12		0.48	3.7		0.24	6.5		0.96	0.6	U	0.6	6	U	6
NB-72-05-SL	1200		110	10		0.44	4.9		0.22	5.6		0.89	0.56	U	0.56	5.6	U	5.6
NB-72-11-SL	1100		120	8.9		0.47	4.2		0.24	5.6		0.95	0.59	U	0.59	5.9	U	5.9
NB-72-19-SL	4700		120	14		0.46	7.7		0.23	6.1		0.92	0.58	U	0.58	5.8	U	5.8
NB-72-22-SL	30000		110	14		0.46	3.9		0.23	3.8		0.92	0.57	U	0.57	5.7	U	5.7
NB-73-05-SL	450		110	6.5		0.44	2.2		0.22	2.5		0.88	0.55	U	0.55	5.5	U	5.5
NB-73-13-SL	310		110	16		0.44	4.6		0.22	2.7		0.88	0.55	U	0.55	5.5	U	5.5
NB-73-23-SL	140000		570	7.8		0.46	1.7		0.23	1.8		0.92	0.57	U	0.57	5.7	U	5.7
NB-74-05-SL	1900		120	16		0.49	12	*	0.24	15		0.97	0.62	U	0.62	7.4	N	6.2
NB-74-17-SL	1400		130	14		0.5	7.9		0.25	13		1	0.63	U	0.63	6.3	U	6.3
NB-74-25-SL	1600		130	17		0.5	8.4		0.25	14		1	0.64	U	0.64	6.4	U	6.4
NB-74-33-SL	3200		120	12		0.48	7		0.24	5.6		0.95	0.6	U	0.6	6	U	6
NB-75-08-SL	5100		120	14		0.49	9.1		0.25	9.7		0.99	0.62	U	0.62	6.2	U	6.2
NB-75-15-SL	2000		130	13		0.5	11		0.25	11		1	0.63	U	0.63	6.3	U	6.3
NB-75-19-SL	2200		120	17		0.48	3.3		0.24	4.6		0.96	0.6	U	0.6	6	U	6
NB-76-06-SL	760		110	6.8		0.43	2.7		0.21	3.1		0.86	0.54	U	0.54	5.4	U	5.4
NB-76-10-SL	660		110	9.2		0.44	2.5		0.22	2		0.88	0.55	U	0.55	5.5	U	5.5
NB-76-24-SL	52000		120	41		0.47	4.7		0.23	4.6		0.94	0.59	U	0.59	5.9	U	5.9
NB-77-05-SL	660	*	110	11		0.43	3.2		0.21	3.4		0.85	0.54	U	0.54	5.4	UN	5.4
NB-77-13-SL	300		110	11		0.43	2.8		0.21	2.3		0.85	0.53	U	0.53	5.3	U	5.3
NB-77-24-SL	27000		110	14		0.45	13		0.23	4		0.9	0.57	U	0.57	5.7	U	5.7
NB-78-07-SL	2400		120	12		0.48	8.7		0.24	10		0.96	0.62	U	0.62	6.2	U	6.2
NB-78-11-SL	2900		130	10		0.5	6.5		0.25	8.5		1	0.63	U	0.63	6.3	U	6.3
NB-78-18-SL	26000		130	12		0.53	7		0.27	15		1.1	0.66	U	0.66	6.6	U	6.6
NB-79-05-SL	1300		120	16		0.46	11		0.23	8.3		0.92	0.58	U	0.58	5.8	U	5.8
NB-79-05-SL-FD	2300		120	14		0.49	4.6		0.25	11		0.99	0.62	U	0.62	6.2	U	6.2
NB-79-11-SL	990		120	19		0.48	8.7		0.24	12		0.97	0.61	U	0.61	6.1	U	6.1
NB-79-24-SL	1900		120	19		0.48	5		0.24	11		0.96	0.61	U	0.61	6.1	U	6.1
NB-80-05-SL	6100		120	14		0.46	7.2		0.23	11		0.93	0.59	U	0.59	7.9		5.9

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Cyanide			Fluoride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-80-11-SL	1000		120	11		0.5	2.6		0.25	6.8		1	0.62	U	0.62	6.2	U	6.2
NB-80-27-SL	550		110	11		0.44	2.6		0.22	4.8		0.88	0.56	U	0.56	5.6	U	5.6
NB-81-05-SL	1700		120	17		0.49	8.3		0.25	15		0.98	0.61	U	0.61	6.1	U	6.1
NB-81-13-SL	1400		120	16		0.49	16		0.25	14		0.99	0.63	U	0.63	6.3	U	6.3
NB-81-31-SL	16000		110	11		0.46	9.5		0.23	7.6		0.91	0.57	U	0.57	5.7	U	5.7
NB-82-05-SL	4500		130	28		0.51	8.9		0.26	19		1	0.64	U	0.64	6.4	UN	6.4
NB-82-11-SL	1300		120	11		0.49	6.1		0.24	5.4		0.97	0.61	U	0.61	6.1	U	6.1
NB-82-20-SL	1100		110	19		0.46	5.8		0.23	4.7		0.91	0.58	U	0.58	5.8	U	5.8
NB-83-05-SL	4600		120	17		0.49	8		0.25	11		0.99	0.62	U	0.62	6.2	U	6.2
NB-83-11-SL	1700		120	35		0.5	14		0.25	12		1	0.62	U	0.62	6.2	U	6.2
NB-83-23-SL	3500		110	27		0.46	4.6		0.23	6.1		0.92	0.57	U	0.57	5.7	U	5.7
NB-84-05-SL	1400		120	14		0.48	10		0.24	13		0.95	0.6	U	0.6	6	U	6
NB-84-15-SL	980		110	11		0.44	6.3		0.22	9.3		0.89	0.56	U	0.56	5.6	U	5.6
NB-84-23-SL	330		120	12		0.47	3.6		0.24	3.4		0.94	0.59	U	0.59	5.9	U	5.9
NB-84-33-SL	7600		110	28		0.44	4.9		0.22	4.6		0.88	0.56	U	0.56	5.6	U	5.6
NB-85-05-SL	1100		120	12		0.48	8.5		0.24	11		0.97	0.6	U	0.6	6	U	6
NB-85-15-SL	1500		130	13		0.5	3.8		0.25	11		1	0.63	U	0.63	6.3	U	6.3
NB-85-25-SL	2800		120	17		0.48	8.9		0.24	16		0.96	0.62	U	0.62	6.2	U	6.2
NB-85-35-SL	4700		120	13		0.49	5.8		0.25	11		0.98	0.63	U	0.63	6.3	U	6.3
NB-86-05-SL	2000		110	12		0.45	8.5		0.23	9.1		0.91	0.57	U	0.57	5.7	UN	5.7
NB-86-15-SL	2800		130	13		0.52	5.9		0.26	15		1	0.65	U	0.65	6.5	U	6.5
NB-86-19-SL	13000		130	12		0.51	9.8		0.25	20		1	0.64	U	0.64	6.4	U	6.4
OA-18-03-SL	1600		120	13		0.48	16		0.24	13		0.97	0.61	U	0.61	6.1	UN	6.1
OA-18-17-SL	21000	*N	130	16		0.53	7.4		0.26	22		1.1	0.66	U	0.66	6.8		6.6
OA-18-25-SL	8300		130	16		0.54	8		0.27	25		1.1	0.67	U	0.67	6.7	U	6.7
OA-18-33-SL	6700		130	16		0.53	6.8		0.27	15		1.1	0.67	U	0.67	6.7	U	6.7
OA-19-05-SL	4900		120	13		0.49	16		0.25	12		0.99	0.62	U	0.62	6.2	U	6.2
OA-19-15-SL	23000		140	15		0.54	8.4		0.27	24		1.1	0.68	U	0.68	6.8	U	6.8
OA-19-25-SL	4500		130	17		0.52	9.7		0.26	31		1	0.65	U	0.65	6.8		6.5
OA-19-33-SL	4300		130	13		0.5	6.9		0.25	16		1	0.63	U	0.63	6.3	U	6.3
PL-04-05-SL	1700		130	16		0.5	9		0.25	13		1	0.63	U	0.63	6.3	U	6.3
PL-04-13-SL	1500		130	15		0.52	11		0.26	14		1	0.64	U	0.64	6.4	U	6.4
PL-04-23-SL	1800		130	17		0.52	7.8		0.26	13		1	0.65	U	0.65	6.5	U	6.5
PL-04-31-SL	6200		130	15		0.52	9.1		0.26	16		1	0.64	U	0.64	6.4	U	6.4
PL-05-05-SL	1900		120	14		0.5	12		0.25	13		1	0.62	U	0.62	6.2	UN	6.2
PL-05-15-SL	1600		130	15		0.5	7.5		0.25	12		1	0.63	U	0.63	6.3	U	6.3
PL-05-28-SL	4600		140	17		0.54	10		0.27	28		1.1	0.68	U	0.68	6.8	U	6.8
PL-06-07-SL	1400		120	13		0.5	14		0.25	14		0.99	0.62	U	0.62	7.2		6.2
PL-06-13-SL	1400		130	13		0.51	9.7		0.25	13		1	0.63	U	0.63	7.1		6.3
PL-06-17-SL	1400		130	12		0.51	12		0.25	13		1	0.63	U	0.63	6.3	U	6.3
PL-06-29-SL	2400		130	12		0.51	12		0.26	11		1	0.64	U	0.64	6.4	U	6.4
PL-06-33-SL	640		110	13		0.44	3.7		0.22	3		0.87	0.55	U	0.55	5.5	U	5.5

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Calcium			Chromium			Cobalt			Copper			Cyanide			Fluoride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
RR-04-05-SL	5000		130	20		0.52	6.6		0.26	17		1	0.66	U	0.66	11		6.6
RR-04-15-SL	1900		130	17		0.5	5.4		0.25	13		1	0.63	U	0.63	6.3	U	6.3
RR-04-25-SL	2000		130	14		0.52	11		0.26	12		1	0.65	U	0.65	6.5	U	6.5
RR-05-05-SL	2800		130	20		0.51	10		0.26	15		1	0.64	U	0.64	7.7		6.4
RR-05-05-SL-FD	3500		130	19		0.51	7.6		0.25	16		1	0.63	U	0.63	6.4	U	6.4
RR-05-15-SL	1400		130	13		0.51	5.3		0.25	9.5		1	0.63	U	0.63	6.3	U	6.3
RR-05-25-SL	2100		130	20		0.5	4		0.25	15		1	0.63	U	0.63	6.3	U	6.3
SW-02-01-SL	14000		130	16		0.51	9.9		0.25	28		1	0.63	U	0.63	6.3	U	6.3
SW-02-09-SL	4600		130	13		0.52	9.3		0.26	13		1	0.65	U	0.65	6.5	U	6.5
SW-02-15-SL	5500		140	18		0.55	9.2		0.28	25		1.1	0.69	U	0.69	6.9	U	6.9
SW-02-23-SL	7400		140	14		0.57	17		0.28	23		1.1	0.71	U	0.71	7.1	U	7.1
SW-05-08-SL	23000		120	14		0.48	8.2		0.24	12		0.95	0.6	U	0.6	8.7	N	6
SW-05-12-SL	48000		120	14		0.48	7.9		0.24	12		0.97	0.61	U	0.61	6.1	U	6.1
SW-06-05-SL	1500		120	15		0.5	11		0.25	15		0.99	0.62	U	0.62	6.2	U	6.2
SW-06-05-SL-FD	1400		120	13		0.5	12		0.25	14		0.99	0.62	U	0.62	6.2	U	6.2
SW-06-13-SL	1500		120	14		0.5	14		0.25	14		0.99	0.62	U	0.62	6.2	U	6.2
SW-06-23-SL	5000		130	13		0.54	6.9		0.27	25		1.1	0.67	U	0.67	7.3		6.7
SW-07-05-SL	2000		130	13		0.5	11		0.25	12		1	0.63	U	0.63	6.3	U	6.3
SW-07-15-SL	1600		130	13		0.5	5.7		0.25	12		1	0.63	U	0.63	6.3	U	6.3
SW-07-23-SL	4600		140	20		0.54	9		0.27	22		1.1	0.68	U	0.68	7.1		6.8
SW-08-03-SL	3300		120	9.8		0.49	6.5	*	0.25	9.3		0.98	0.61	U	0.61	7.5	N	6.1
SW-08-05-SL	1200		130	9.6		0.51	11		0.25	9.2		1	0.64	U	0.64	12		6.4
SW-08-15-SL	6900		140	15		0.55	8.3		0.28	30		1.1	0.69	U	0.69	6.9	U	6.9
SW-08-25-SL	16000		110	24		0.46	2.9		0.23	3.4		0.91	0.57	U	0.57	6.8		5.7

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	19000		13	95		0.38	2100		130	690		0.25	0.025	U	0.025	17		0.63
BD-13-15-SL	17000		13	27		0.38	3500		130	510		0.25	0.025	U	0.025	15		0.63
BD-13-23-SL	20000		13	25		0.38	2200		130	930		0.25	0.025	U	0.025	18		0.63
BD-13-30-SL	22000		13	32		0.39	3100		130	490		0.26	0.026	U	0.026	16		0.65
BD-14-05-SL	19000		13	19		0.38	2300		130	610		0.25	0.025	U	0.025	17		0.63
BD-14-13-SL	18000		13	20		0.38	2100		130	450		0.25	0.028		0.025	15		0.64
BD-14-25-SL	19000		13	16		0.4	4300		130	240		0.26	0.037		0.026	21		0.66
BD-14-31-SL	10000		12	17		0.37	8300		120	340		0.25	0.025	U	0.025	14		0.62
BD-15-05-SL	25000		25	24		0.75	2700		130	1400		0.5	0.025	U	0.025	23		0.63
BD-15-17-SL	35000		29	28		0.88	5000		150	350		0.29	0.03		0.029	29		0.73
BD-15-25-SL	21000		13	13		0.4	4700		130	260		0.26	0.026	U	0.026	23		0.66
BD-15-31-SL	14000		13	12		0.38	2200		130	350		0.26	0.026	U	0.026	10		0.64
BD-16-05-SL	18000		13	33		0.38	1500		130	530		0.25	0.025	U	0.025	14		0.63
BD-16-15-SL	20000		13	24		0.75	2000		130	1300		0.5	0.025	U	0.025	18		0.63
BD-16-19-SL	26000		14	16		0.41	3800		140	420		0.27	0.054		0.027	19		0.68
BD-16-25-SL	24000		14	24		0.86	2500		140	1800		0.57	0.06		0.029	24		0.71
BD-16-34-SL	16000		13	22		0.4	2800		130	190		0.26	0.068		0.026	18		0.66
BLD240-01-01	18000		0	28		0	1400		0	2200		0	0.024	U	0	13		0
BLD240-01-09	NA			NA			NA			NA			NA			NA		
BLD240-01-09FD	NA			NA			NA			NA			NA			NA		
BLD240-01-31	11000		0	13		0	4900		0	340		0	0.025	U	0	17		0
BLD240-01-31FD	11000		0	11		0	4200		0	250		0	0.025	U	0	15		0
BLD240-03-04	19000		0	17		0	2500		0	400		0	0.025	U	0	16		0
BLD240-03-04FD	NA			NA			NA			NA			NA			NA		
BLD240-03-14	18000		0	20		0	2100		0	630		0	0.025	U	0	16		0
BLD240-03-19	NA			NA			NA			NA			NA			NA		
BLD240-04-02	19000		0	19		0	1700		0	730		0	0.024	U	0	13		0
BLD240-04-04	NA			NA			NA			NA			NA			NA		
BLD240-04-33	20000		0	15		0	3000		0	1100		0	0.023	U	0	19		0
BLD240-05-01	20000		0	14		0	2000		0	480		0	0.025	U	0	16		0
BLD240-05-02	NA			NA			NA			NA			NA			NA		
BLD240-05-23	19000		0	16		0	5400		0	3800		0	0.056		0	71		0
BLD253-02-01	2100		0	3.8		0	8500		0	63		0	0.03		0	26		0
BLD253-02-04	NA			NA			NA			NA			NA			NA		
BLD253-02-21	22000		0	20		0	4500		0	830		0	0.026	U	0	22		0
BLD253-02-21FD	20000		0	20		0	4300		0	720		0	0.026	U	0	21		0
BLD255-07-02	21000		0	22		0	1700		0	630		0	0.024	U	0	16		0
BLD255-07-15	NA			NA			NA			NA			NA			NA		
BLD255-07-33	21000		0	13		0	7800		0	310		0	0.026	U	0	24		0
BLD255-08-01	18000		0	20		0	1300		0	380		0	0.024	U	0	16		0
BLD255-08-08	NA			NA			NA			NA			NA			NA		
BLD255-08-24	20000		0	14		0	7800		0	1200		0	0.039		0	29		0

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BLD260-06-01	23000		0	18		0	2200		0	790		0	0.026	U	0	17		0
BLD260-06-31	13000		0	20		0	1300		0	77		0	0.024	U	0	10		0
BP-13-05-SL	20000		12	18	*	0.37	1800		120	540	*	0.25	0.02	U	0.02	15		0.62
BP-13-11-SL	18000		13	13		0.38	2000		130	650		0.25	0.02	U	0.02	16		0.63
BP-13-15-SL	17000		13	16		0.38	2000		130	530		0.25	0.02	U	0.02	16		0.63
BP-13-25-SL	23000		14	18		0.43	4400		140	1400		0.29	0.04		0.02	26		0.72
BP-13-35-SL	13000		13	14		0.38	1900		130	83		0.25	0.02	U	0.02	14		0.63
BP-17-05-SL	14000		12	20		0.37	1100		120	1100		0.24	0.024	U	0.024	13		0.61
BP-17-15-SL	18000		14	18		0.41	3600		140	670		0.27	0.042		0.027	17		0.69
BP-17-23-SL	13000		13	11		0.4	4300		130	260		0.26	0.028		0.026	23		0.66
BP-17-31-SL	13000		13	19		0.4	2600		130	510		0.27	0.027	U	0.027	16		0.67
BP-18-05-SL	19000		12	20		0.36	1900		120	820		0.24	0.024	U	0.024	12		0.6
BP-18-15-SL	15000		13	15		1.2	4600		130	3000		0.79	0.05		0.026	37		0.66
BP-18-25-SL	23000		14	15		0.41	5300		140	590		0.27	0.027	U	0.027	30		0.68
BP-18-31-SL	13000		11	21		0.34	1400		110	74		0.23	0.023	U	0.023	9		0.57
BP-19-05-SL	19000		12	28		0.37	1600		120	790		0.25	0.025	U	0.025	14		0.62
BP-19-13-SL	20000		13	18		0.39	2000		130	860		0.26	0.026	U	0.026	17		0.64
BP-19-25-SL	15000		14	16		0.41	2700		140	280		0.27	0.027	U	0.027	20		0.69
BP-19-29-SL	12000		13	19		0.4	7600		130	240		0.27	0.027	U	0.027	16		0.66
BP-20-03-SL	20000		12	17		0.37	1100		120	780		0.25	0.025	U	0.025	14		0.62
BP-20-19-SL	21000		13	19		0.39	2000		130	600		0.26	0.026	U	0.026	15		0.64
BP-20-27-SL	12000		12	19		0.37	2600		120	290		0.25	0.025	U	0.025	16		0.61
BP-21-07-SL	22000		13	26		0.38	2100		130	1000		0.25	0.025	U	0.025	19		0.63
BP-21-07-SL-FD	20000		12	25		0.37	1900		120	560		0.25	0.025	U	0.025	15		0.62
BP-21-13-SL	21000		13	22		0.39	2200		130	910		0.26	0.026	U	0.026	19		0.65
BP-21-24-SL	23000		13	16		0.39	3100		130	560		0.26	0.026	U	0.026	20		0.64
BP-21-34-SL	9700		12	13		0.35	9900		120	250		0.24	0.024	U	0.024	15		0.59
BP-22-05-SL	23000		12	20		0.37	2100		120	880		0.25	0.025	U	0.025	17		0.62
BP-22-13-SL	19000		13	18		0.38	2000		130	610		0.25	0.025	U	0.025	15		0.63
BP-22-23-SL	19000		13	23		0.39	2300		130	440		0.26	0.026	U	0.026	17		0.65
BP-22-33-SL	6200		13	13		0.38	11000		130	100		0.25	0.025	U	0.025	6.2		0.63
CB-02-05-SL	25000		25	22		0.75	3700		120	1200		0.25	0.036		0.025	30		0.62
CB-02-05-SL-FD	26000		25	21		0.76	4100		130	420		0.25	0.034		0.025	23		0.63
CB-02-15-SL	19000		12	20		0.37	2600		120	310		0.25	0.025	U	0.025	16		0.62
CB-02-25-SL	18000		14	15		0.41	2500		140	360		0.27	0.037		0.027	16		0.68
DM-02-05-SL	20000		12	13		0.37	1900		120	330		0.25	0.025	U	0.025	14		0.62
DM-02-17-SL	16000		13	12		0.4	5300		130	1100		0.26	0.043		0.026	26		0.66
DM-02-25-SL	25000		13	15		0.4	4300		130	860		0.26	0.031		0.026	20		0.66
DM-02-33-SL	15000		13	20		0.39	2100		130	130		0.26	0.026	U	0.026	15		0.64
DM-03-05-SL	21000		13	16		0.38	2100		130	290		0.25	0.025	U	0.025	15		0.63
DM-03-05-SL-FD	22000		13	19		0.38	2000		130	650		0.25	0.025	U	0.025	15		0.63
DM-03-13-SL	19000		13	17		0.39	2000		130	680		0.26	0.026	U	0.026	17		0.64

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-25-SL	21000		14	17		0.43	2300		140	960		0.29	0.029	U	0.029	18		0.72
DM-03-34-SL	22000		12	15		0.37	7000		120	300		0.24	0.024	U	0.024	12		0.61
EP-13-06-SL	23000	=	25	29	=	0.75	1800	=	120	1200	=	0.5	0.029	=	0.025	22	=	0.62
EP-13-13-SL	20000	=	13	24	=	0.38	1700	=	130	950	=	0.25	0.027	=	0.025	19	=	0.63
EP-13-25-SL	20000	=	13	24	=	0.38	1800	=	130	790	=	0.25	0.034	=	0.025	18	=	0.63
EP-13-30-SL	4300	=	12	8.9	=	0.35	390	=	120	20	=	0.23	0.023	U	0.023	7.1	=	0.58
EP-14-05-SL	18000	=	12	26	=	0.37	1800	=	120	400	=	0.25	0.025	U	0.025	12	=	0.62
EP-14-13-SL	19000	=	13	21	=	0.38	2200	=	130	610	=	0.25	0.025	U	0.025	17	=	0.63
EP-14-25-SL	21000	=	13	23	=	0.39	2300	=	130	700	=	0.26	0.026	U	0.026	18	=	0.65
EP-14-31-SL	14000	=	12	18	=	0.37	4300	=	120	600	=	0.25	0.025	U	0.025	14	=	0.62
EP-15-05-SL	17000		12	19		0.37	1600		120	600		0.25	0.028		0.025	15		0.62
EP-15-13-SL	20000		13	20		0.39	2100		130	620		0.26	0.036		0.026	18		0.64
EP-15-25-SL	6200		12	13		0.37	1700		120	56		0.25	0.025	U	0.025	8.9		0.62
EP-15-29-SL	12000		13	16		0.39	10000		130	250		0.26	0.028		0.026	14		0.64
EP-16-05-SL	22000		12	29		0.37	2100		120	950	*	0.25	0.025	U	0.025	18		0.62
EP-16-15-SL	17000		13	17		0.38	2100		130	160		0.25	0.033		0.025	17		0.63
EP-16-27-SL	7500		12	12		0.35	500		120	120		0.23	0.023	U	0.023	6.2		0.58
EP-17-05-SL	23000		12	26		0.37	1800		120	900		0.25	0.025	U	0.025	14		0.62
EP-17-15-SL	18000		13	24		0.38	2000		130	890		0.25	0.025	U	0.025	16		0.63
EP-17-25-SL	15000		13	21		0.39	2300		130	590		0.26	0.026	U	0.026	15		0.64
EP-17-30-SL	9100		13	14		0.39	11000		130	200		0.26	0.026	U	0.026	12		0.65
EP-18-09-SL	21000	=	12	23	=	0.36	4100	=	120	470	=	0.24	0.19	=	0.024	42	=	0.6
EP-18-09-SL-FD	22000	=	12	26	=	0.36	3200	=	120	730	=	0.24	0.23	=	0.024	28	=	0.61
EP-18-15-SL	17000	=	13	18	=	0.38	2100	=	130	520	=	0.26	0.027	=	0.026	17	=	0.64
EP-18-29-SL	24000	=	14	17	=	0.41	4600	=	140	490	=	0.27	0.044	=	0.027	24	=	0.68
EP-19-05-SL	24000	=	12	25	=	0.37	1700	=	120	590	=	0.25	0.025	U	0.025	15	=	0.62
EP-19-13-SL	20000	=	13	23	=	0.38	1700	=	130	860	=	0.26	0.026	=	0.026	19	=	0.64
EP-19-25-SL	22000	=	13	19	=	0.38	2600	=	130	870	=	0.25	0.025	U	0.025	19	=	0.63
EP-19-31-SL	13000	=	14	19	=	0.41	3900	=	140	200	=	0.28	0.032	=	0.028	18	=	0.69
EP-20-05-SL	24000		12	28		0.37	2200		120	1100		0.25	0.034		0.025	19		0.62
EP-20-15-SL	18000		13	24		0.38	1900		130	920		0.26	0.03		0.026	19		0.64
EP-20-25-SL	27000		26	20		0.78	2300		130	440		0.26	0.03		0.026	16		0.65
GS-06-05-SL	21000		11	14		0.34	4500		110	640		0.23	0.023	U	0.023	20		0.57
GS-06-19-SL	7900		12	8.9		1.9	70000		620	260		0.25	0.025	U	0.025	11		0.62
GS-06-25-SL	10000		12	11		1.8	45000		120	210		0.24	0.024	U	0.024	16		0.61
GS-07-05-SL	24000		24	30		0.72	2400		120	1300		0.48	0.024	U	0.024	22		0.6
GS-07-15-SL	22000		13	11		0.38	3100		130	540		0.26	0.026	U	0.026	19		0.64
GS-07-25-SL	21000		13	17		0.38	4000		130	620		0.26	0.028		0.026	28		0.64
GS-09-05-SL	19000		12	13		0.37	2600		120	230	*N	0.25	0.025	U	0.025	13		0.62
GS-09-15-SL	21000		13	13		0.39	3100		130	560		0.26	0.026	U	0.026	19		0.64
GS-09-23-SL	20000		12	15		0.37	2700		120	590		0.25	0.025	U	0.025	16		0.62
LF-06-05-SL	22000		12	28		0.37	2200		120	670		0.24	0.024	U	0.024	19		0.61

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
LF-06-13-SL	20000		12	18		0.37	2400		120	270		0.25	0.025	U	0.025	17		0.62
LF-06-27-SL	15000		13	22		0.39	2600		130	110		0.26	0.026	U	0.026	17		0.64
LF-06-32-SL	9400		11	21		0.34	3300		110	210		0.23	0.023	U	0.023	11		0.57
LF-07-03-SL	11000		12	25		0.36	1700		120	260		0.24	0.024	U	0.024	10		0.6
LF-07-15-SL	21000		13	30		0.75	2000		130	1400		0.5	0.025	U	0.025	21		0.63
LF-07-25-SL	22000		13	26		0.38	2300		130	510		0.25	0.025	U	0.025	18		0.63
LF-07-34-SL	6500		12	16		0.36	1100		120	42		0.24	0.024	U	0.024	8.8		0.6
LF-08-03-SL	17000		12	39		0.37	1800		120	280		0.25	0.025	U	0.025	15		0.62
LF-08-03-SL-FD	17000		12	38		0.37	2100		120	570		0.25	0.025	U	0.025	15		0.62
LF-08-15-SL	22000		12	37		0.74	2200		120	1900		0.49	0.025	U	0.025	26		0.62
LF-08-21-SL	19000		13	24		0.38	2200		130	980		0.25	0.025	U	0.025	19		0.63
LF-08-37-SL	12000		11	16		0.34	1000		110	140		0.22	0.022	U	0.022	8.5		0.56
LF-09-03-SL	12000		11	18		0.67	2800		110	570		0.22	0.022	U	0.022	11		0.56
LF-09-17-SL	20000		13	26		0.39	2200		130	940		0.26	0.026	U	0.026	18		0.64
LF-09-25-SL	20000		13	24		0.38	2300		130	760		0.25	0.025	U	0.025	18		0.64
LF-09-31-SL	6700		12	13		0.37	2700		120	120		0.25	0.025	U	0.025	9.4		0.61
NB-28-04-SL	16000		12	16		0.37	1500		120	920		0.24	0.024	U	0.024	15		0.61
NB-28-14-SL	17000		12	27		0.73	1600		120	1300		0.49	0.024	U	0.024	21		0.61
NB-28-24-SL	17000		13	23		0.39	1900		130	350		0.26	0.03		0.026	15		0.64
NB-28-35-SL	11000		12	15		0.37	570		120	220		0.25	0.025	U	0.025	7.6		0.62
NB-29-05-SL	13000		12	86		0.37	2500		120	770		0.25	0.031		0.025	12		0.62
NB-29-14-SL	10000		12	7.8		0.35	160		120	120		0.23	0.023	U	0.023	6.3		0.58
NB-29-22-SL	11000		11	18		0.34	2200		110	110		0.23	0.023	U	0.023	9.4		0.57
NB-30-05-SL	20000		13	23		0.38	1800		130	510		0.25	0.026		0.025	14		0.63
NB-30-15-SL	18000		13	21		0.38	2100		130	1100		0.25	0.035		0.025	16		0.64
NB-30-25-SL	17000		13	21		0.4	2000		130	920		0.26	0.03		0.026	16		0.66
NB-30-33-SL	13000		13	19		0.38	3700		130	190		0.25	0.025	U	0.025	13		0.63
NB-31-05-SL	25000		25	38		0.74	2100		120	1500		0.5	0.029		0.025	15		0.62
NB-31-15-SL	17000		13	21		0.38	2100		130	640		0.25	0.032		0.025	15		0.63
NB-31-27-SL	19000		13	16		0.39	2900		130	230		0.26	0.031		0.026	17		0.65
NB-31-32-SL	9800		12	18		0.35	3700		120	230		0.23	0.027		0.023	20		0.59
NB-32-05-SL	21000		12	25		0.37	1800		120	760		0.25	0.025	U	0.025	15		0.62
NB-32-15-SL	16000		13	23		0.38	2000		130	1200		0.25	0.025	U	0.025	20		0.63
NB-32-27-SL	14000		13	20		0.38	2600		130	170		0.25	0.057		0.025	15		0.62
NB-32-33-SL	9600		11	16		0.34	4000		110	410		0.23	0.023	U	0.023	12		0.57
NB-33-05-SL	19000		12	23		0.37	2400		120	650		0.25	0.025	U	0.025	17		0.62
NB-33-15-SL	21000		13	24		0.38	2000		130	820		0.25	0.028		0.025	17		0.63
NB-33-27-SL	7600		12	19		0.37	4800		120	290		0.25	0.025	U	0.025	15		0.61
NB-34-05-SL	20000		12	29		0.37	1800		120	700		0.25	0.026		0.025	15		0.62
NB-34-15-SL	17000		13	20		0.38	1900		130	620		0.25	0.025	U	0.025	15		0.63
NB-34-25-SL	9400		12	14		0.36	760		120	67		0.24	0.024	U	0.024	9		0.6
NB-35-01-SL	18000		12	26		0.37	1700		120	870		0.25	0.025	U	0.025	14		0.62

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-35-15-SL	17000		13	20		0.38	2000		130	1200		0.26	0.028		0.026	18		0.64
NB-35-25-SL	10000		13	14		0.39	2200		130	92		0.26	0.027		0.026	14		0.65
NB-36-05-SL	16000		13	21		0.38	1700		130	660		0.25	0.025		0.025	14		0.63
NB-36-15-SL	16000		13	31		1.9	4000		130	4400		1.3	0.028		0.025	60		0.63
NB-36-27-SL	19000		13	17		0.38	4400		130	420		0.25	0.025	U	0.025	21		0.63
NB-37-05-SL	19000		12	29		0.37	1800		120	930		0.25	0.028		0.025	15		0.62
NB-37-15-SL	19000		13	20		1.9	2100		130	5700		1.3	0.03		0.025	28		0.63
NB-37-25-SL	18000		13	25		0.4	2000		130	940		0.27	0.029		0.027	17		0.66
NB-38-09-SL	19000		12	26		0.37	1800		120	740		0.25	0.028		0.025	15		0.62
NB-38-15-SL	19000		13	23		0.38	2100		130	800		0.25	0.031		0.025	16		0.63
NB-38-25-SL	15000		13	21		0.39	1900		130	430		0.26	0.03		0.026	14		0.65
NB-39-05-SL	24000		13	31		0.76	2300		130	1400		0.5	0.025	U	0.025	20		0.63
NB-39-15-SL	20000		13	24		0.39	2300		130	1000		0.26	0.026		0.026	19		0.65
NB-39-25-SL	22000		13	26		0.39	2600		130	530		0.26	0.026	U	0.026	18		0.66
NB-39-30-SL	15000		13	24		0.38	2800		130	570		0.26	0.026	U	0.026	17		0.64
NB-40-05-SL	17000		12	23		0.37	1900		120	690		0.24	0.026		0.024	13		0.61
NB-40-05-SL-FD	17000		12	25		0.37	3800		120	770		0.24	0.024	U	0.024	13		0.61
NB-40-17-SL	19000		13	24		0.38	1800		130	970		0.25	0.025	U	0.025	18		0.63
NB-40-25-SL	6600		12	12		0.36	670		120	69		0.24	0.024	U	0.024	7.4		0.59
NB-40-31-SL	9700		11	12		0.34	1300		110	110		0.23	0.023	U	0.023	7		0.57
NB-41-05-SL	11000		12	68		0.36	2000		120	710		0.24	0.024	U	0.024	10		0.61
NB-41-13-SL	15000		12	39		0.37	960		120	460		0.25	0.025	U	0.025	9.4		0.62
NB-41-19-SL	22000		13	20		0.38	660		130	620		0.25	0.025	U	0.025	9.8		0.63
NB-42-05-SL	12000		12	98		0.36	4400		120	740		0.24	0.051		0.024	10		0.61
NB-42-13-SL	9300		11	53		0.34	2100		110	400		0.23	0.023	U	0.023	7.2		0.57
NB-42-23-SL	12000		12	37		0.36	5800		120	380		0.24	0.024	U	0.024	7.5		0.59
NB-43-05-SL	13000		13	48		0.38	1700		130	880		0.25	0.025	U	0.025	12		0.63
NB-43-13-SL	9100		12	16		0.35	880		120	72		0.23	0.023	U	0.023	7.1		0.59
NB-44-05-SL	11000		12	18		0.36	1100		120	620		0.24	0.024	U	0.024	10		0.59
NB-44-05-SL-FD	9500		11	13		0.33	620		110	390		0.22	0.022	U	0.022	7.2		0.55
NB-44-11-SL	12000		11	11		0.33	310		110	360		0.22	0.022	U	0.022	6.6		0.55
NB-44-18-SL	10000		12	18		0.36	4800		120	180		0.24	0.024	U	0.024	8.7		0.59
NB-45-05-SL	20000		12	25		0.37	1800		120	680		0.25	0.025	U	0.025	14		0.62
NB-45-05-SL-FD	22000		12	28		0.37	2000		120	1100		0.25	0.025	U	0.025	16		0.62
NB-45-13-SL	18000		13	22		0.38	2000		130	730		0.25	0.025	U	0.025	15		0.63
NB-45-25-SL	14000		13	18		0.39	2600		130	260		0.26	0.026	U	0.026	17		0.64
NB-45-33-SL	13000		13	21		0.38	6800		130	140		0.25	0.025	U	0.025	10		0.64
NB-46-09-SL	21000		13	21		0.77	2500		130	1400		0.51	0.02	U	0.02	23		0.64
NB-46-17-SL	18000		12	23		0.73	1900		120	1400		0.49	0.02	U	0.02	20		0.61
NB-46-25-SL	23000		13	22		0.77	2700		130	2100		0.51	0.03		0.02	26		0.64
NB-46-29-SL	13000		13	14		0.38	3000		130	320		0.25	0.02	U	0.02	17		0.63
NB-47-05-SL	20000		12	20		0.73	2200		120	1100		0.49	0.024	U	0.024	19		0.61

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-47-15-SL	26000		27	20		0.82	5800		140	2000		0.54	0.061		0.027	44		0.68
NB-47-25-SL	26000		25	20		0.74	4100		120	1400		0.49	0.025	U	0.025	27		0.62
NB-47-31-SL	16000		14	14		0.41	4100		140	170		0.27	0.036		0.027	25		0.69
NB-48-05-SL	19000		12	19		0.36	1800		120	750		0.24	0.024	U	0.024	14		0.61
NB-48-11-SL	20000		13	18		0.4	1900		130	1300		0.26	0.026	U	0.026	15		0.66
NB-48-15-SL	24000		13	15		0.39	2800		130	780		0.26	0.026	U	0.026	15		0.66
NB-48-25-SL	21000		13	15		0.8	4300		130	1600		0.53	0.027	U	0.027	27		0.67
NB-48-35-SL	15000		13	15		0.38	3000		130	400		0.25	0.025	U	0.025	19		0.63
NB-49-05-SL	20000		12	18		0.37	2000		120	910		0.24	0.024	U	0.024	17		0.61
NB-49-05-SL-FD	19000		12	19		0.36	1900		120	1000		0.24	0.024	U	0.024	17		0.6
NB-49-15-SL	26000		26	18		0.78	3700		130	1300		0.26	0.028		0.02	23		0.65
NB-49-25-SL	20000		14	18		0.83	5300		140	2100		0.56	0.038		0.02	39		0.69
NB-49-37-SL	11000		13	14		0.39	3100		130	160		0.26	0.02		0.02	14		0.65
NB-50-05-SL	20000		12	17		0.36	2100		120	730		0.24	0.02	U	0.02	16		0.61
NB-50-15-SL	26000		26	13		0.77	4300		130	260		0.26	0.038		0.02	17		0.64
NB-50-25-SL	20000		14	22		0.85	6600		140	2600		0.57	0.039		0.02	40		0.71
NB-50-37-SL	17000		13	16		0.4	3800		130	1200		0.27	0.02	U	0.02	29		0.66
NB-51-05-SL	21000		12	19		0.37	1800		120	810		0.25	0.02	U	0.02	16		0.61
NB-51-13-SL	19000		13	15		0.38	2100		130	540		0.25	0.02	U	0.02	15		0.64
NB-51-25-SL	23000		13	16		0.81	4400		130	590		0.54	0.029		0.02	36		0.67
NB-51-37-SL	21000		13	14		0.38	6600		130	400		0.25	0.02	U	0.02	25		0.63
NB-52-05-SL	21000		12	20		0.37	1700		120	920		0.25	0.025	U	0.025	16		0.61
NB-52-13-SL	19000		13	20		0.39	1600		130	870		0.26	0.026	U	0.026	17		0.65
NB-52-25-SL	17000		14	11		0.41	4700		140	630		0.27	0.05		0.027	24		0.68
NB-52-35-SL	15000		12	14		0.36	2900		120	580		0.24	0.031		0.024	19		0.59
NB-53-05-SL	18000		12	14		0.37	2500		120	410		0.25	0.025	U	0.025	15		0.62
NB-53-13-SL	19000		13	21		0.38	3800		130	530		0.25	0.025	U	0.025	16		0.63
NB-53-23-SL	21000		13	15		0.4	3900		130	140		0.26	0.026	U	0.026	17		0.66
NB-53-33-SL	9300		13	12		0.39	7500		130	270		0.26	0.026	U	0.026	14		0.64
NB-54-05-SL	22000		13	20		0.38	2800		130	330		0.25	0.025	U	0.025	18		0.62
NB-54-13-SL	15000		13	18		0.38	2400		130	400		0.25	0.025	U	0.025	15		0.64
NB-54-25-SL	11000		14	16		0.42	4200		140	250		0.28	0.028	U	0.028	22		0.69
NB-54-31-SL	4600		11	12		0.33	1500		110	140		0.22	0.022	U	0.022	3.9		0.55
NB-55-05-SL	20000		12	18		0.37	2100		120	770		0.25	0.025	U	0.025	15		0.62
NB-55-13-SL	19000		13	24		0.38	2300		130	1000		0.25	0.025	U	0.025	18		0.63
NB-55-25-SL	21000		15	22		0.44	3000		150	830		0.29	0.029	U	0.029	19		0.74
NB-55-33-SL	7200		12	13		0.35	4400		120	80		0.23	0.023	U	0.023	9.3		0.59
NB-56-05-SL	19000		12	15		0.37	2300		120	590		0.25	0.025	U	0.025	16		0.61
NB-56-13-SL	20000		13	25		0.38	2900		130	1100		0.26	0.026	U	0.026	19		0.64
NB-56-25-SL	19000		13	21		0.38	2600		130	580		0.25	0.025	U	0.025	17		0.63
NB-56-33-SL	18000		13	15		0.39	4400		130	260		0.26	0.026	U	0.026	22		0.65
NB-57-05-SL	20000		13	16	E	0.38	2400		130	590	*	0.25	0.025	U	0.025	15		0.63

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-57-05-SL-FD	20000		12	16		0.37	2300		120	430		0.25	0.025	U	0.025	13		0.62
NB-57-15-SL	22000		13	16		0.39	3000		130	760		0.26	0.026	U	0.026	19		0.64
NB-57-29-SL	25000		13	17		0.4	3600		130	720		0.27	0.027	U	0.027	22		0.66
NB-57-34-SL	18000		13	13		0.39	13000		130	1100		0.26	0.026	U	0.026	33		0.66
NB-58-05-SL	20000		12	18		0.37	2000		120	730		0.24	0.024	U	0.024	16		0.61
NB-58-15-SL	19000		13	18		0.38	2500		130	400		0.26	0.026	U	0.026	16		0.64
NB-58-29-SL	14000		14	15		0.41	5600		140	940		0.27	0.039		0.027	38		0.68
NB-58-36-SL	13000		12	12		0.35	2500		120	220		0.24	0.024	U	0.024	17		0.59
NB-59-05-SL	22000		12	24		0.37	2400		120	780		0.25	0.025	U	0.025	18		0.62
NB-59-13-SL	18000		13	21		0.38	2100		130	680		0.26	0.026	U	0.026	17		0.64
NB-59-25-SL	26000		26	20		0.78	3000		130	390		0.26	0.026	U	0.026	19		0.65
NB-59-31-SL	15000		13	15		0.38	5600		130	140		0.25	0.025	U	0.025	19		0.63
NB-60-05-SL	19000		12	17	*	0.37	2700		120	370	*	0.25	0.025	U	0.025	16		0.61
NB-60-13-SL	17000		13	19		0.38	2400		130	970		0.25	0.025	U	0.025	18		0.64
NB-60-23-SL	19000		14	16		0.42	4200		140	150		0.28	0.028	U	0.028	19		0.7
NB-60-31-SL	7400		12	16		0.37	2700		120	44		0.25	0.025	U	0.025	17		0.62
NB-61-05-SL	22000		12	26		0.74	2000		120	1200	*	0.49	0.025	U	0.025	19		0.62
NB-61-13-SL	20000		13	23		0.76	2100		130	1500		0.51	0.025	U	0.025	18		0.63
NB-61-23-SL	17000		13	20		0.39	2200		130	250		0.26	0.026	U	0.026	18		0.64
NB-61-28-SL	16000		12	18		0.37	2300		120	280		0.25	0.025	U	0.025	19		0.62
NB-62-05-SL	11000		12	19		0.35	1000		120	580		0.23	0.023	U	0.023	9.8		0.59
NB-62-12-SL	13000		11	15		0.33	340		110	310		0.22	0.022	U	0.022	9.1		0.56
NB-62-22-SL	13000		11	15		0.34	840		110	450		0.22	0.022	U	0.022	7.8		0.56
NB-63-05-SL	13000		12	120		0.37	5100		120	700		0.25	0.031		0.015	12		0.62
NB-63-13-SL	13000		12	18		0.7	520		120	1200		0.47	0.014	U	0.014	9.6		0.58
NB-63-19-SL	6500		12	14		0.36	14000		120	68		0.24	0.015	U	0.015	8.4		0.61
NB-64-05-SL	11000		12	22		0.35	1100		120	630		0.23	0.014	U	0.014	11		0.58
NB-64-13-SL	6100		11	15		0.33	840		110	270		0.22	0.013	U	0.013	5.5		0.54
NB-64-17-SL	11000		11	11		0.33	300		110	240		0.22	0.013	U	0.013	7.2		0.56
NB-65-05-SL	12000		12	22		0.36	1300		120	710		0.24	0.014	U	0.014	12		0.59
NB-65-13-SL	13000		12	23		0.36	1300		120	730		0.24	0.014	U	0.014	13		0.6
NB-65-17-SL	17000		12	15		0.35	2200		120	170		0.23	0.014	U	0.014	13		0.58
NB-66-05-SL	9700		11	30		0.34	1600		110	530		0.23	0.014	U	0.014	9.1		0.57
NB-66-05-SL-FD	9800		11	35		0.34	2100		110	510		0.23	0.014	U	0.014	9		0.57
NB-66-15-SL	10000		12	16		0.37	3600		120	380		0.24	0.015	U	0.015	10		0.61
NB-66-19-SL	11000		11	16		0.34	1500		110	100		0.23	0.014	U	0.014	8.4		0.57
NB-67-05-SL	13000		12	110		0.37	4000		120	820		0.24	0.015	U	0.015	12		0.61
NB-67-11-SL	17000		11	12		0.33	250		110	250		0.22	0.013	U	0.013	8.5		0.54
NB-67-21-SL	15000		11	23		0.34	5800		110	160		0.23	0.014	U	0.014	8.6		0.57
NB-68-05-SL	20000		12	14		0.37	2200		120	550		0.25	0.015	U	0.015	16		0.62
NB-68-13-SL	19000		13	19		0.75	2200		130	1800		0.5	0.015	U	0.015	27		0.63
NB-68-17-SL	19000		12	17		0.37	2300		120	690		0.25	0.015	U	0.015	17		0.61

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-68-25-SL	18000		14	16		0.42	5800		140	870		0.28	0.033		0.017	34		0.7
NB-68-33-SL	4600	*	12	12		0.36	640	*	120	24	*N	0.24	0.014	U	0.014	4.5		0.6
NB-69-05-SL	21000		12	21		0.36	2100		120	1100		0.24	0.015	U	0.015	18		0.61
NB-69-15-SL	22000		12	20		0.36	2200		120	850		0.24	0.015	U	0.015	17		0.61
NB-69-22-SL	24000		14	16		0.43	6100		140	330		0.29	0.017	U	0.017	28		0.72
NB-69-34-SL	9800		13	20		0.38	1900		130	63		0.25	0.015	U	0.015	8.1		0.63
NB-70-05-SL	21000		12	16		0.37	2100		120	590		0.25	0.015	U	0.015	16		0.62
NB-70-15-SL	20000		13	14		0.39	2300		130	420		0.26	0.015	U	0.015	15		0.64
NB-70-23-SL	20000		14	16		0.41	6700		140	800		0.28	0.025		0.017	33		0.69
NB-70-33-SL	6600		12	8.3		0.37	8100		120	390		0.25	0.015	U	0.015	11		0.61
NB-71-05-SL	24000		12	20		0.37	2800		120	720		0.25	0.025	U	0.025	23		0.62
NB-71-05-SL-FD	22000		12	17		0.37	2600		120	510		0.25	0.025	U	0.025	19		0.62
NB-71-13-SL	21000		12	20		0.37	2500		120	880		0.25	0.025	U	0.025	19		0.62
NB-71-27-SL	7400		12	15		0.36	13000		120	130		0.24	0.024	U	0.024	8.2		0.6
NB-72-05-SL	8300		11	26		0.33	900		110	440		0.22	0.022	U	0.022	7.7		0.56
NB-72-11-SL	7300		12	15		0.36	840		120	220		0.24	0.024	U	0.024	8		0.59
NB-72-19-SL	11000		12	21		0.35	2800		120	99		0.23	0.023	U	0.023	12		0.58
NB-72-22-SL	8100		11	14		0.34	17000		110	110		0.23	0.023	U	0.023	8		0.57
NB-73-05-SL	4100		11	7.3		0.33	330		110	180		0.22	0.022	U	0.022	3.7		0.55
NB-73-13-SL	11000		11	11		0.33	240		110	220		0.22	0.022	U	0.022	6.8		0.55
NB-73-23-SL	6100		11	8.3		1.7	77000		570	250		0.23	0.023	U	0.023	2.7		0.57
NB-74-05-SL	23000		12	31	*	0.37	2400		120	1100	*	0.24	0.029		0.025	17		0.61
NB-74-17-SL	17000		13	20		0.38	2100		130	700		0.25	0.025	U	0.025	15		0.63
NB-74-25-SL	19000		13	21		0.38	2200		130	610		0.25	0.033		0.025	16		0.63
NB-74-33-SL	7300		12	14		0.36	2100		120	87		0.24	0.024	U	0.024	12		0.6
NB-75-08-SL	16000		12	21		0.37	2200		120	770		0.25	0.025	U	0.025	18		0.62
NB-75-15-SL	16000		13	17		0.38	2200		130	170		0.25	0.025	U	0.025	17		0.63
NB-75-19-SL	14000		12	680		0.36	1500		120	99		0.24	0.024	U	0.024	7.4		0.6
NB-76-06-SL	4800		11	8.4		0.32	550		110	230		0.21	0.022	U	0.022	4.5		0.54
NB-76-10-SL	5400		11	6.8		0.33	450		110	78		0.22	0.022	U	0.022	3.8		0.55
NB-76-24-SL	20000		12	25		0.35	29000		120	510		0.23	0.024	U	0.024	13		0.59
NB-77-05-SL	7300		11	14		0.32	490		110	210		0.21	0.022	U	0.022	5.4		0.53
NB-77-13-SL	6500		11	8.7		0.32	240		110	160		0.21	0.021	U	0.021	4.5		0.53
NB-77-24-SL	15000		11	19		0.34	15000		110	940		0.23	0.023	U	0.023	19		0.56
NB-78-07-SL	14000		12	49		0.36	1700		120	860		0.24	0.025	U	0.025	13		0.6
NB-78-11-SL	8100		13	30		0.75	1700		130	1300		0.5	0.025	U	0.025	9.8		0.63
NB-78-18-SL	12000		13	16		0.4	11000		130	370		0.27	0.029		0.027	16		0.66
NB-79-05-SL	18000		12	20		0.35	1400		120	1100		0.23	0.023	U	0.023	16		0.58
NB-79-05-SL-FD	15000		12	18		0.37	2100		120	190		0.25	0.025	U	0.025	12		0.62
NB-79-11-SL	14000		12	31		0.36	1400		120	260		0.24	0.024	U	0.024	15		0.61
NB-79-24-SL	12000		12	18		0.36	2100		120	63		0.24	0.024	U	0.024	16		0.6
NB-80-05-SL	16000		12	26		0.35	3700		120	600		0.23	0.029		0.024	13		0.58

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-80-11-SL	8700		12	9		0.37	1500		120	82		0.25	0.025	U	0.025	7.6		0.62
NB-80-27-SL	6000		11	17		0.33	490		110	35		0.22	0.022	U	0.022	4.6		0.55
NB-81-05-SL	24000		12	22		0.37	2300		120	720		0.25	0.025	U	0.025	18		0.61
NB-81-13-SL	20000		12	22		0.37	2300		120	1100		0.25	0.025	U	0.025	21		0.62
NB-81-31-SL	10000		11	13		0.34	7600		110	870		0.23	0.023	U	0.023	20		0.57
NB-82-05-SL	14000		13	110		0.38	3000		130	860		0.26	0.032		0.026	20		0.64
NB-82-11-SL	8500		12	16		0.37	780		120	330		0.24	0.024	U	0.024	9.1		0.61
NB-82-20-SL	22000		11	27		0.34	710		110	150		0.23	0.023	U	0.023	10		0.57
NB-83-05-SL	14000		12	48		0.37	3200		120	740		0.25	0.025	U	0.025	15		0.62
NB-83-11-SL	17000		12	26		0.37	1500		120	1100		0.25	0.025	U	0.025	25		0.62
NB-83-23-SL	14000		11	18		0.34	2200		110	270		0.23	0.023	U	0.023	11		0.57
NB-84-05-SL	20000		12	25		0.36	1700		120	1000		0.24	0.024	U	0.024	15		0.6
NB-84-15-SL	14000		11	17		0.33	1300		110	530		0.22	0.022	U	0.022	12		0.56
NB-84-23-SL	8500		12	11		0.35	400		120	230		0.24	0.024	U	0.024	6.4		0.59
NB-84-33-SL	17000		11	23		0.33	4400		110	150		0.22	0.022	U	0.022	12		0.55
NB-85-05-SL	17000		12	31		0.36	1400		120	930		0.24	0.024	U	0.024	16		0.6
NB-85-15-SL	18000		13	15		0.38	1800		130	270		0.25	0.025	U	0.025	12		0.62
NB-85-25-SL	20000		12	17		0.36	2500		120	650		0.24	0.025	U	0.025	97		0.6
NB-85-35-SL	15000		12	14		0.37	3400		120	630		0.25	0.025	U	0.025	32		0.62
NB-86-05-SL	17000		11	27		0.34	1400		110	910		0.23	0.023	U	0.023	14		0.57
NB-86-15-SL	19000		13	14		0.39	2700		130	340		0.26	0.026	U	0.026	15		0.65
NB-86-19-SL	15000		13	15		0.76	5500		130	2000		0.51	0.026	U	0.026	31		0.63
OA-18-03-SL	21000		12	22		1.1	1600		120	1300		0.73	0.024	U	0.024	15		0.61
OA-18-17-SL	23000		26	14		0.79	4800		130	650	*	0.26	0.049		0.026	18		0.66
OA-18-25-SL	21000		13	15		0.4	6100		130	610		0.27	0.04		0.027	29		0.67
OA-18-33-SL	18000		13	19		0.4	3900		130	300		0.27	0.055		0.027	18		0.67
OA-19-05-SL	21000		12	20		1.1	2100		120	1400		0.74	0.025	U	0.025	18		0.62
OA-19-15-SL	17000		14	17		0.41	7700		140	1000		0.27	0.052		0.027	23		0.68
OA-19-25-SL	26000		26	15		0.78	4600		130	740		0.26	0.026	U	0.026	20		0.65
OA-19-33-SL	12000		13	15		0.38	3300		130	170		0.25	0.025	U	0.025	19		0.63
PL-04-05-SL	21000		13	20		0.38	2000		130	500		0.25	0.025	U	0.025	15		0.63
PL-04-13-SL	21000		13	27		0.39	2100		130	1100		0.26	0.026	U	0.026	19		0.64
PL-04-23-SL	13000		13	14		0.39	2300		130	310		0.26	0.026	U	0.026	16		0.65
PL-04-31-SL	15000		13	19		0.39	4500		130	380		0.26	0.026	U	0.026	20		0.64
PL-05-05-SL	19000		12	30		0.75	1700		120	1100		0.5	0.025	U	0.025	14		0.62
PL-05-15-SL	17000		13	21		0.38	2000		130	650		0.25	0.025	U	0.025	15		0.63
PL-05-28-SL	19000		14	17		0.41	3900		140	580		0.27	0.049		0.027	22		0.68
PL-06-07-SL	21000		12	30		0.37	2000		120	1200		0.25	0.025	U	0.025	17		0.62
PL-06-13-SL	18000		13	23		0.38	2000		130	900		0.25	0.025	U	0.025	17		0.63
PL-06-17-SL	18000		13	23		0.38	2000		130	1200		0.25	0.025	U	0.025	18		0.63
PL-06-29-SL	10000		13	16		0.38	2400		130	170		0.26	0.026	U	0.026	19		0.64
PL-06-33-SL	14000		11	15		0.33	480		110	87		0.22	0.022	U	0.022	6.6		0.55

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
RR-04-05-SL	22000		13	51		0.39	3500		130	590		0.26	0.038		0.026	19		0.66
RR-04-15-SL	18000		13	15		0.38	2600		130	510		0.25	0.025	U	0.025	15		0.63
RR-04-25-SL	18000		13	21		0.39	2200		130	1100		0.26	0.027		0.026	18		0.65
RR-05-05-SL	24000		13	20		0.38	3100		130	760		0.26	0.039		0.026	24		0.64
RR-05-05-SL-FD	23000		13	23		0.38	3100		130	360		0.25	0.037		0.025	20		0.63
RR-05-15-SL	12000		13	14		0.38	1900		130	150		0.25	0.028		0.025	13		0.63
RR-05-25-SL	18000		13	16		0.38	2800		130	330		0.25	0.033		0.025	17		0.63
SW-02-01-SL	16000		13	49		0.76	5100		130	2100		0.51	0.54		0.025	25		0.63
SW-02-09-SL	14000		13	20		0.39	2900		130	650		0.26	0.25		0.026	16		0.65
SW-02-15-SL	22000		14	18		0.42	4000		140	410		0.28	0.04		0.028	24		0.69
SW-02-23-SL	13000		14	18		0.43	5100		140	340		0.28	0.042		0.028	32		0.71
SW-05-08-SL	17000		12	15		0.36	2900		120	280		0.24	0.024	U	0.024	14		0.6
SW-05-12-SL	16000		12	15		0.36	3300		120	780		0.24	0.024	U	0.024	15		0.61
SW-06-05-SL	21000		12	17		0.74	3000		120	1400		0.5	0.025	U	0.025	25		0.62
SW-06-05-SL-FD	20000		12	16		0.74	2800		120	1300		0.5	0.025	U	0.025	22		0.62
SW-06-13-SL	22000		12	16		0.75	2400		120	1400		0.5	0.025	U	0.025	21		0.62
SW-06-23-SL	12000		13	15		0.4	3500		130	340		0.27	0.045		0.027	24		0.67
SW-07-05-SL	19000		13	24		0.38	2400		130	970		0.25	0.025	U	0.025	19		0.63
SW-07-15-SL	16000		13	15	*	0.38	2000		130	510	*	0.25	0.025	U	0.025	12		0.63
SW-07-23-SL	23000		14	20		0.41	3700		140	560		0.27	0.043		0.027	25		0.68
SW-08-03-SL	12000		12	21		0.37	2300		120	570	*	0.25	0.028		0.025	9.8		0.61
SW-08-05-SL	13000		13	19		0.76	1200		130	1600		0.51	0.025	U	0.025	12		0.64
SW-08-15-SL	19000		14	20		0.83	4900		140	2300		0.55	0.073		0.028	39		0.69
SW-08-25-SL	5900		11	12		0.34	9400		110	170		0.23	0.023	U	0.023	4.6		0.57

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	810		130	1		0.63	0.63	U	0.63	130	U	130	1	U	1	28		0.63	69		0.76
BD-13-15-SL	1000		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	23		0.63	66		0.76
BD-13-23-SL	970		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	28		0.63	73		0.76
BD-13-30-SL	650		130	1.1		0.65	0.65	U	0.65	130	U	130	1	U	1	49		0.65	240		0.77
BD-14-05-SL	920		130	0.73		0.63	0.63	U	0.63	240		130	1.1		1	28		0.63	59		0.75
BD-14-13-SL	830		130	0.69		0.64	0.64	U	0.64	190		130	1	U	1	25		0.64	66		0.76
BD-14-25-SL	1200		130	0.91		0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	27		0.66	88		0.79
BD-14-31-SL	660		120	0.73		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	22		0.62	120		0.74
BD-15-05-SL	1100		130	1.3	U	1.3	0.63	U	0.63	260		130	2	U	2	34		0.63	76		0.75
BD-15-17-SL	1300		150	1.5	U	1.5	0.73	U	0.73	190		150	2.3	U	2.3	34		0.73	110		0.88
BD-15-25-SL	1100		130	0.74		0.66	0.66	U	0.66	170		130	1.1	U	1.1	18		0.66	94		0.79
BD-15-31-SL	720		130	0.64	U	0.64	0.64	U	0.64	130	U	130	1	U	1	20		0.64	48		0.77
BD-16-05-SL	750		130	1.3		0.63	0.63	U	0.63	130	U	130	1	U	1	27		0.63	34		0.76
BD-16-15-SL	880		130	0.63	U	0.63	0.63	U	0.63	130	U	130	2	U	2	28		0.63	64		0.75
BD-16-19-SL	1200		140	0.85		0.68	0.68	U	0.68	150		140	2.6		1.1	41		0.68	74		0.82
BD-16-25-SL	1100		140	1.7		0.71	0.71	U	0.71	140	U	140	2.3		2.3	36		0.71	72		0.86
BD-16-34-SL	740		130	0.66	U	0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	28		0.66	140		0.79
BLD240-01-01	750		0	1.6		0	0.6	U	0	150		0	1.9	U	0	28		0	35		0
BLD240-01-09	NA			NA			NA			NA			NA			NA			NA		
BLD240-01-09FD	NA			NA			NA			NA			NA			NA			NA		
BLD240-01-31	700		0	0.64		0	0.62	U	0	180		0	1	U	0	23		0	86		0
BLD240-01-31FD	670		0	0.77		0	0.62	U	0	170		0	1	U	0	24		0	79		0
BLD240-03-04	980		0	0.62	U	0	0.62	U	0	1400		0	0.99	U	0	28		0	60		0
BLD240-03-04FD	NA			NA			NA			NA			NA			NA			NA		
BLD240-03-14	930		0	0.63	U	0	0.63	U	0	130	U	0	1	U	0	28		0	67		0
BLD240-03-19	NA			NA			NA			NA			NA			NA			NA		
BLD240-04-02	860		0	0.85		0	0.6	U	0	200		0	0.97	U	0	31		0	40		0
BLD240-04-04	NA			NA			NA			NA			NA			NA			NA		
BLD240-04-33	570		0	1.5		0	0.58	U	0	120	U	0	0.94	U	0	35		0	160		0
BLD240-05-01	930		0	0.63	U	0	0.63	U	0	420		0	1	U	0	30		0	42		0
BLD240-05-02	NA			NA			NA			NA			NA			NA			NA		
BLD240-05-23	2000		0	2.2		0	0.67	U	0	240		0	5.4	U	0	48		0	100		0
BLD253-02-01	2500		0	1.1		0	0.55	U	0	1600		0	0.89	U	0	10		0	18		0
BLD253-02-04	NA			NA			NA			NA			NA			NA			NA		
BLD253-02-21	4400		0	0.65	U	0	0.65	U	0	540		0	1	U	0	56		0	80		0
BLD253-02-21FD	5900		0	0.65	U	0	0.65	U	0	1000		0	1	U	0	53		0	75		0
BLD255-07-02	890		0	0.8		0	0.6	U	0	120		0	0.97	U	0	31		0	65		0
BLD255-07-15	NA			NA			NA			NA			NA			NA			NA		
BLD255-07-33	1300		0	1.5		0	0.65	U	0	130	U	0	1	U	0	27		0	78		0
BLD255-08-01	1200		0	0.92		0	0.59	U	0	120	U	0	0.94	U	0	26		0	39		0
BLD255-08-08	NA			NA			NA			NA			NA			NA			NA		
BLD255-08-24	1800		0	1.8		0	0.68	U	0	160		0	1.1	U	0	35		0	80		0

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BLD260-06-01	1600		0	1.3		0	0.66	U	0	210		0	1.1	U	0	34		0	40		0
BLD260-06-31	480		0	0.6	U	0	0.6	U	0	120	U	0	0.96	U	0	22		0	130		0
BP-13-05-SL	960		120	1.1		0.62	0.62	U	0.62	120	U	120	0.98	U	0.98	28		0.62	39		0.74
BP-13-11-SL	820		130	0.71		0.63	0.63	U	0.63	130	U	130	1	U	1	26		0.63	40		0.75
BP-13-15-SL	830		130	0.98		0.63	0.63	U	0.63	130	U	130	1	U	1	25		0.63	40		0.76
BP-13-25-SL	1300		140	0.72	U	0.72	0.72	U	0.72	140	U	140	1.1	U	1.1	29		0.72	84		0.86
BP-13-35-SL	710		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	25		0.63	46		0.75
BP-17-05-SL	640		120	1.2		0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	24		0.61	33		0.73
BP-17-15-SL	1300		140	0.69	U	0.69	0.69	U	0.69	140	U	140	1.1	U	1.1	20		0.69	69		0.82
BP-17-23-SL	1500		130	0.9		0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	16		0.66	75		0.79
BP-17-31-SL	950		130	0.8		0.67	0.67	U	0.67	130	U	130	1.1	U	1.1	24		0.67	120		0.81
BP-18-05-SL	830		120	1.2		0.6	0.6	U	0.6	120	U	120	0.95	U	0.95	28		0.6	41	N	0.71
BP-18-15-SL	1300		130	1.3		0.66	0.66	U	0.66	410		130	3.2	U	3.2	26		0.66	88		0.79
BP-18-25-SL	1700		140	2		0.68	0.68	U	0.68	140		140	1.1	U	1.1	31		0.68	83		0.81
BP-18-31-SL	440		110	0.57	U	0.57	0.57	U	0.57	110	U	110	0.92	U	0.92	27		0.57	230		0.69
BP-19-05-SL	790		120	1.1		0.62	0.62	U	0.62	120	U	120	1.3		0.99	28		0.62	44		0.74
BP-19-13-SL	900		130	0.88		0.64	0.64	U	0.64	130	U	130	1	U	1	27		0.64	55		0.77
BP-19-25-SL	1100		140	0.71		0.69	0.69	U	0.69	140	U	140	1.1	U	1.1	29		0.69	81		0.82
BP-19-29-SL	760		130	0.66	U	0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	18		0.66	130		0.8
BP-20-03-SL	610		120	0.62	U	0.62	0.62	U	0.62	120	U	120	1.5		0.99	24		0.62	34		0.75
BP-20-19-SL	860		130	0.71		0.64	0.64	U	0.64	130	U	130	2.1		1	29		0.64	53		0.77
BP-20-27-SL	560		120	0.61	U	0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	28		0.61	120		0.74
BP-21-07-SL	850		130	0.88		0.63	0.63	U	0.63	130	U	130	1.6		1	28		0.63	75		0.76
BP-21-07-SL-FD	860		120	0.62	U	0.62	0.62	U	0.62	120	U	120	1.1		1	30		0.62	62		0.75
BP-21-13-SL	880		130	0.77		0.65	0.65	U	0.65	130	U	130	1.9		1	29		0.65	72		0.78
BP-21-24-SL	1300		130	0.64	U	0.64	0.64	U	0.64	130	U	130	2		1	25		0.64	120		0.77
BP-21-34-SL	550		120	0.59	U	0.59	0.59	U	0.59	120	U	120	0.94	U	0.94	18		0.59	110		0.71
BP-22-05-SL	1000		120	0.83		0.62	0.62	U	0.62	120	U	120	1.7		0.98	33		0.62	56		0.74
BP-22-13-SL	890		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	26		0.63	67		0.76
BP-22-23-SL	1000		130	0.65	U	0.65	0.65	U	0.65	130	U	130	1.1		1	27		0.65	95		0.78
BP-22-33-SL	360		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	12		0.63	120		0.76
CB-02-05-SL	1900		120	1.2	U	1.2	0.62	U	0.62	120	U	120	2	U	2	34		0.62	130		0.75
CB-02-05-SL-FD	2300		130	1.3	U	1.3	0.63	U	0.63	130	U	130	2	U	2	34		0.63	130		0.76
CB-02-15-SL	1100		120	0.98		0.62	0.62	U	0.62	120	U	120	1.2		1	25		0.62	67		0.75
CB-02-25-SL	1000		140	0.68	U	0.68	0.68	U	0.68	140	U	140	1.4		1.1	25		0.68	89		0.82
DM-02-05-SL	1100		120	0.75		0.62	0.62	U	0.62	120	U	120	1	U	1	29		0.62	40		0.75
DM-02-17-SL	1800		130	0.66	U	0.66	0.66	U	0.66	280		130	1.1	U	1.1	35		0.66	79		0.79
DM-02-25-SL	1100		130	1.4		0.66	0.66	U	0.66	210		130	1.2		1.1	31		0.66	68		0.79
DM-02-33-SL	730		130	0.78		0.64	0.64	U	0.64	130	U	130	1	U	1	27		0.64	110		0.77
DM-03-05-SL	1000		130	0.68		0.63	0.63	U	0.63	130	U	130	1	U	1	31		0.63	52		0.75
DM-03-05-SL-FD	950		130	1.1		0.63	0.63	U	0.63	130	U	130	1	U	1	31		0.63	48		0.75
DM-03-13-SL	830		130	0.64	U	0.64	0.64	U	0.64	130	U	130	1	U	1	26		0.64	60		0.77

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-25-SL	960		140	1.3		0.72	0.72	U	0.72	140	U	140	1.2		1.2	23		0.72	71		0.87
DM-03-34-SL	710		120	0.82		0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	25		0.61	110		0.73
EP-13-06-SL	2300	=	120	1.2	U	1.2	0.62	U	0.62	120	U	120	2	=	2	33	=	0.62	78	=	0.75
EP-13-13-SL	1800	=	130	0.94	=	0.63	0.63	U	0.63	130	U	130	1	U	1	29	=	0.63	73	=	0.76
EP-13-25-SL	1600	=	130	0.78	=	0.63	0.63	U	0.63	130	U	130	1.2	=	1	29	=	0.63	72	=	0.75
EP-13-30-SL	250	=	120	0.88	=	0.58	0.58	U	0.58	120	U	120	0.93	U	0.93	13	=	0.58	36	=	0.7
EP-14-05-SL	1400	=	120	0.62	U	0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	30	=	0.62	50	=	0.74
EP-14-13-SL	900	=	130	0.63	U	0.63	0.63	U	0.63	130	U	130	1.2	=	1	26	=	0.63	69	=	0.76
EP-14-25-SL	1200	=	130	0.65	U	0.65	0.65	U	0.65	130	U	130	1.2	=	1	29	=	0.65	80	=	0.78
EP-14-31-SL	740	=	120	0.71	=	0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	22	=	0.62	81	=	0.74
EP-15-05-SL	1300		120	0.77		0.62	0.62	U	0.62	120	U	120	1.5		1	24		0.62	68		0.75
EP-15-13-SL	1300		130	0.69		0.64	0.64	U	0.64	130	U	130	1.3		1	28		0.64	81		0.77
EP-15-25-SL	490		120	0.62	U	0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	16		0.62	45		0.74
EP-15-29-SL	770		130	1.1		0.64	0.64	U	0.64	130	U	130	1	U	1	18		0.64	130		0.77
EP-16-05-SL	1200		120	0.86		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	31		0.62	70		0.74
EP-16-15-SL	1200		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	23		0.63	70		0.76
EP-16-27-SL	300		120	0.58	U	0.58	0.58	U	0.58	120	U	120	0.93	U	0.93	17		0.58	44		0.7
EP-17-05-SL	1500		120	1.3		0.62	0.62	U	0.62	120	U	120	1.2		0.99	35		0.62	57		0.74
EP-17-15-SL	940		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	27		0.63	68		0.75
EP-17-25-SL	990		130	0.98		0.64	0.64	U	0.64	130	U	130	1	U	1	29		0.64	63		0.77
EP-17-30-SL	770		130	0.65	U	0.65	0.65	U	0.65	130	U	130	1	U	1	16		0.65	120		0.78
EP-18-09-SL	4100	=	120	0.6	U	0.6	0.6	U	0.6	290	=	120	0.97	U	0.97	47	=	0.6	75	=	0.73
EP-18-09-SL-FD	3300	=	120	0.76	=	0.61	0.61	U	0.61	180	=	120	0.97	U	0.97	45	=	0.61	79	=	0.73
EP-18-15-SL	1200	=	130	0.64	U	0.64	0.64	U	0.64	130	U	130	1.2	=	1	23	=	0.64	71	=	0.77
EP-18-29-SL	1100	=	140	0.68	U	0.68	0.68	U	0.68	140	U	140	1.5	=	1.1	27	=	0.68	120	=	0.81
EP-19-05-SL	2800	=	120	0.62	U	0.62	0.62	U	0.62	120	U	120	1.3	=	1	35	=	0.62	59	=	0.75
EP-19-13-SL	1800	=	130	0.64	U	0.64	0.64	U	0.64	130	U	130	1.2	=	1	29	=	0.64	73	=	0.77
EP-19-25-SL	950	=	130	0.63	U	0.63	0.63	U	0.63	130	U	130	1.5	=	1	25	=	0.63	110	=	0.76
EP-19-31-SL	1300	=	140	1.8	=	0.69	0.69	U	0.69	140	U	140	1.1	U	1.1	22	=	0.69	170	=	0.83
EP-20-05-SL	1100		120	0.75		0.62	0.62	U	0.62	120	U	120	1	U	1	31		0.62	75		0.75
EP-20-15-SL	1100		130	0.91		0.64	0.64	U	0.64	130	U	130	1	U	1	25		0.64	73		0.77
EP-20-25-SL	900		130	1.3	U	1.3	0.65	U	0.65	130	U	130	2.1	U	2.1	26		0.65	99		0.78
GS-06-05-SL	950		110	0.57	U	0.57	0.57	U	0.57	110	U	110	1.3		0.91	30		0.57	41		0.68
GS-06-19-SL	790		120	0.62	U	0.62	0.62	U	0.62	260		120	1	U	1	13		0.62	20		0.75
GS-06-25-SL	1000		120	0.61	U	0.61	0.61	U	0.61	160		120	0.98	U	0.98	15		0.61	26		0.73
GS-07-05-SL	910		120	1.8		1.2	0.6	U	0.6	120	U	120	1.9	U	1.9	36		0.6	40		0.72
GS-07-15-SL	850		130	0.71		0.64	0.64	U	0.64	130	U	130	1.5		1	30		0.64	49		0.77
GS-07-25-SL	1300		130	0.73		0.64	0.64	U	0.64	130	U	130	1.5		1	27		0.64	58		0.77
GS-09-05-SL	740		120	0.62	U	0.62	0.62	U	0.62	120	U	120	1	U	1	27		0.62	35		0.75
GS-09-15-SL	910		130	0.87		0.64	0.64	U	0.64	130	U	130	2		1	26		0.64	47		0.77
GS-09-23-SL	810		120	0.62	U	0.62	0.62	U	0.62	120	U	120	0.99		0.99	28		0.62	40		0.75
LF-06-05-SL	880		120	1.1		0.61	0.61	U	0.61	120	U	120	0.99		0.97	30		0.61	67		0.73

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
LF-06-13-SL	920		120	0.72		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	26		0.62	68		0.75
LF-06-27-SL	1200		130	0.64	U	0.64	0.64	U	0.64	130	U	130	1	U	1	31		0.64	72		0.77
LF-06-32-SL	530		110	0.57	U	0.57	0.57	U	0.57	110	U	110	0.92	U	0.92	24		0.57	83		0.69
LF-07-03-SL	670		120	1.1		0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	24		0.6	50		0.72
LF-07-15-SL	890		130	1.3		0.63	0.63	U	0.63	130	U	130	2	U	2	30		0.63	69		0.75
LF-07-25-SL	810		130	1.4		0.63	0.63	U	0.63	130	U	130	1	U	1	30		0.63	71		0.76
LF-07-34-SL	480		120	0.6	U	0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	21		0.6	42		0.72
LF-08-03-SL	890		120	0.92		0.62	0.62	U	0.62	120	U	120	0.98	U	0.98	28		0.62	59		0.74
LF-08-03-SL-FD	940		120	0.62		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	30		0.62	110		0.74
LF-08-15-SL	970		120	1.9		0.62	0.62	U	0.62	120	U	120	2	U	2	33		0.62	78		0.74
LF-08-21-SL	940		130	1.2		0.63	0.63	U	0.63	130	U	130	1	U	1	26		0.63	72		0.75
LF-08-37-SL	150		110	0.59		0.56	0.56	U	0.56	110	U	110	0.89	U	0.89	28		0.56	160		0.67
LF-09-03-SL	920		110	0.62		0.56	0.56	U	0.56	110	U	110	0.89	U	0.89	20		0.56	35		0.67
LF-09-17-SL	930		130	1.7		0.64	0.64	U	0.64	130	U	130	1	U	1	29		0.64	71		0.77
LF-09-25-SL	870		130	1.1		0.64	0.64	U	0.64	130	U	130	1	U	1	27		0.64	80		0.76
LF-09-31-SL	410		120	0.61	U	0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	17		0.61	54		0.74
NB-28-04-SL	820		120	1.3		0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	28		0.61	32		0.73
NB-28-14-SL	840		120	1		0.61	0.61	U	0.61	120	U	120	2	U	2	27		0.61	42		0.73
NB-28-24-SL	1000		130	0.64	U	0.64	0.64	U	0.64	130	U	130	1	U	1	37		0.64	47		0.77
NB-28-35-SL	280		120	0.62	U	0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	22		0.62	100		0.74
NB-29-05-SL	660		120	0.62	U	0.62	0.62	U	0.62	120	U	120	1	U	1	22		0.62	240		0.75
NB-29-14-SL	120	U	120	0.58	U	0.58	0.58	U	0.58	120	U	120	0.94	U	0.94	20		0.58	59		0.7
NB-29-22-SL	180		110	1		0.57	0.57	U	0.57	110	U	110	0.91	U	0.91	29		0.57	130		0.68
NB-30-05-SL	910		130	0.83		0.63	0.63	U	0.63	130	U	130	1		1	30		0.63	61		0.76
NB-30-15-SL	900		130	0.66		0.64	0.64	U	0.64	130	U	130	1.6		1	26		0.64	75		0.76
NB-30-25-SL	870		130	0.96		0.66	0.66	U	0.66	130	U	130	1.1		1.1	25		0.66	78		0.79
NB-30-33-SL	550		130	0.74		0.63	0.63	U	0.63	130	U	130	1		1	27		0.63	170		0.75
NB-31-05-SL	910		120	1.2	U	1.2	0.62	U	0.62	120	U	120	2		2	38		0.62	61		0.74
NB-31-15-SL	740		130	0.66		0.63	0.63	U	0.63	130	U	130	1.6		1	24		0.63	66		0.76
NB-31-27-SL	1000		130	0.65	U	0.65	0.65	U	0.65	130	U	130	1.7		1	28		0.65	110		0.78
NB-31-32-SL	650		120	0.59	U	0.59	0.59	U	0.59	120	U	120	0.94	U	0.94	21		0.59	150		0.7
NB-32-05-SL	950		120	0.62	U	0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	32		0.62	60		0.74
NB-32-15-SL	920		130	0.76		0.63	0.63	U	0.63	130	U	130	1	U	1	25		0.63	72		0.76
NB-32-27-SL	900		130	0.62	U	0.62	0.62	U	0.62	130	U	130	1	U	1	20		0.62	100		0.75
NB-32-33-SL	420		110	0.57	U	0.57	0.57	U	0.57	110	U	110	0.92	U	0.92	27		0.57	140		0.69
NB-33-05-SL	960		120	0.62	U	0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	29		0.62	73		0.74
NB-33-15-SL	890		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	29		0.63	71		0.76
NB-33-27-SL	680		120	0.61	U	0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	22		0.61	76		0.74
NB-34-05-SL	920		120	0.62	U	0.62	0.62	U	0.62	120	U	120	1	U	1	30		0.62	68		0.75
NB-34-15-SL	960		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	25		0.63	66		0.75
NB-34-25-SL	390		120	0.6	U	0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	18		0.6	58		0.72
NB-35-01-SL	1000		120	1.4		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	28		0.62	59		0.75

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-35-15-SL	910		130	1.3		0.64	0.64	U	0.64	130	U	130	1	U	1	23		0.64	71		0.77
NB-35-25-SL	900		130	0.88		0.65	0.65	U	0.65	130	U	130	1	U	1	19		0.65	76		0.79
NB-36-05-SL	830		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	23		0.63	65		0.76
NB-36-15-SL	880		130	1.7		0.63	0.63	U	0.63	130	U	130	5	U	5	22		0.63	130		0.75
NB-36-27-SL	900		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	21		0.63	120		0.76
NB-37-05-SL	1100		120	0.65		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	28		0.62	61		0.74
NB-37-15-SL	960		130	2.4		0.63	0.63	U	0.63	130	U	130	5.1	U	5.1	31		0.63	91		0.76
NB-37-25-SL	940		130	0.77		0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	26		0.66	78		0.8
NB-38-09-SL	950		120	0.62	U	0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	27		0.62	68		0.74
NB-38-15-SL	1000		130	0.97		0.63	0.63	U	0.63	130	U	130	1	U	1	26		0.63	74		0.76
NB-38-25-SL	910		130	0.95		0.65	0.65	U	0.65	130	U	130	1	U	1	24		0.65	70		0.78
NB-39-05-SL	1000		130	0.93		0.63	0.63	U	0.63	130	U	130	2	U	2	33		0.63	72		0.76
NB-39-15-SL	950		130	0.65	U	0.65	0.65	U	0.65	200		130	1	U	1	27		0.65	77		0.78
NB-39-25-SL	870		130	0.66	U	0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	29		0.66	98		0.79
NB-39-30-SL	760		130	0.64	U	0.64	0.64	U	0.64	130	U	130	1	U	1	24		0.64	81		0.77
NB-40-05-SL	800		120	0.88		0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	26		0.61	62		0.73
NB-40-05-SL-FD	920		120	1.1		0.61	0.61	U	0.61	120	U	120	0.98		0.98	26		0.61	61		0.73
NB-40-17-SL	1000		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1.1		1	26		0.63	70		0.76
NB-40-25-SL	380		120	0.59	U	0.59	0.59	U	0.59	120	U	120	0.95	U	0.95	14		0.59	36		0.71
NB-40-31-SL	270		110	0.57	U	0.57	0.57	U	0.57	110	U	110	0.92	U	0.92	17		0.57	52		0.69
NB-41-05-SL	520		120	0.73		0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	19		0.61	190		0.73
NB-41-13-SL	360		120	0.62	U	0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	29		0.62	120		0.74
NB-41-19-SL	290		130	0.63	U	0.63	0.63	U	0.63	130	U	130	2.1		1	43		0.63	200		0.76
NB-42-05-SL	560		120	0.61	U	0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	20		0.61	380	*	0.73
NB-42-13-SL	330		110	0.57	U	0.57	0.57	U	0.57	110	U	110	0.91	U	0.91	16		0.57	120		0.68
NB-42-23-SL	390		120	0.59	U	0.59	0.59	U	0.59	120	U	120	0.95	U	0.95	23		0.59	180		0.71
NB-43-05-SL	600		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	22		0.63	110		0.75
NB-43-13-SL	360		120	0.59	U	0.59	0.59	U	0.59	120	U	120	0.94	U	0.94	20		0.59	74		0.7
NB-44-05-SL	480		120	0.59	U	0.59	0.59	U	0.59	120	U	120	0.95	U	0.95	18		0.59	85		0.71
NB-44-05-SL-FD	300		110	0.55	U	0.55	0.55	U	0.55	110	U	110	0.89	U	0.89	18		0.55	74		0.66
NB-44-11-SL	120		110	0.55	U	0.55	0.55	U	0.55	110	U	110	0.88	U	0.88	23		0.55	81		0.66
NB-44-18-SL	430		120	0.59	U	0.59	0.59	U	0.59	120	U	120	0.95	U	0.95	28		0.59	160		0.71
NB-45-05-SL	970		120	0.62	U	0.62	0.62	U	0.62	120	U	120	1.1		0.99	29		0.62	63		0.74
NB-45-05-SL-FD	1000		120	1		0.62	0.62	U	0.62	120	U	120	1	U	1	31		0.62	69		0.75
NB-45-13-SL	920		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	25		0.63	70		0.76
NB-45-25-SL	900		130	0.82		0.64	0.64	U	0.64	130	U	130	1	U	1	23		0.64	140		0.77
NB-45-33-SL	510		130	0.64	U	0.64	0.64	U	0.64	130	U	130	1	U	1	22		0.64	180		0.76
NB-46-09-SL	870		130	1.1		0.64	0.64	U	0.64	130	U	130	2	U	2	28		0.64	48		0.77
NB-46-17-SL	790		120	1.1		0.61	0.61	U	0.61	120	U	120	1.9	U	1.9	27		0.61	40		0.73
NB-46-25-SL	950		130	1.1		0.64	0.64	U	0.64	130	U	130	2.1	U	2.1	28		0.64	62		0.77
NB-46-29-SL	1000		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	21		0.63	55		0.75
NB-47-05-SL	880		120	1.3		0.61	0.61	U	0.61	120	U	120	1.9	U	1.9	30		0.61	40		0.73

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-47-15-SL	1800		140	2.6		1.4	0.68	U	0.68	140	U	140	2.2	U	2.2	43		0.68	100		0.82
NB-47-25-SL	1100		120	1.2	U	1.2	0.62	U	0.62	120	U	120	2	U	2	35		0.62	67		0.74
NB-47-31-SL	1200		140	2.9		0.69	0.69	U	0.69	140	U	140	1.1	U	1.1	27		0.69	110		0.82
NB-48-05-SL	840		120	0.86		0.61	0.61	U	0.61	120	U	120	1.2		0.97	28		0.61	38		0.73
NB-48-11-SL	800		130	1.3		0.66	0.66	U	0.66	130	U	130	1.5		1.1	33		0.66	37		0.79
NB-48-15-SL	850		130	1		0.66	0.66	U	0.66	130	U	130	2.4		1.1	31		0.66	52		0.79
NB-48-25-SL	1500		130	1.2		0.67	0.67	U	0.67	130	U	130	2.1	U	2.1	39		0.67	73		0.8
NB-48-35-SL	880		130	1.1		0.63	0.63	U	0.63	130	U	130	1		1	32		0.63	130		0.76
NB-49-05-SL	880		120	1.3		0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	29		0.61	40		0.73
NB-49-05-SL-FD	810		120	0.93		0.6	0.6	U	0.6	120	U	120	0.97	U	0.97	29		0.6	39		0.72
NB-49-15-SL	990		130	1.3	U	1.3	0.65	U	0.65	130	U	130	2.1	U	2.1	33		0.65	69		0.78
NB-49-25-SL	1700		140	2.2		0.69	0.69	U	0.69	140	U	140	2.2	U	2.2	31		0.69	91		0.83
NB-49-37-SL	710		130	0.65	U	0.65	0.65	U	0.65	130	U	130	1	U	1	27		0.65	93		0.78
NB-50-05-SL	1000		120	1.5		0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	30		0.61	44		0.73
NB-50-15-SL	1100		130	2.6		1.3	0.64	U	0.64	130	U	130	2.1	U	2.1	35		0.64	69		0.77
NB-50-25-SL	2100		140	2.2		0.71	0.71	U	0.71	140	U	140	2.3	U	2.3	37		0.71	100		0.85
NB-50-37-SL	1100		130	1.5		0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	31		0.66	83		0.8
NB-51-05-SL	990		120	1.3		0.61	0.61	U	0.61	120	U	120	1.1		0.98	32		0.61	40		0.74
NB-51-13-SL	850		130	0.8		0.64	0.64	U	0.64	130	U	130	1	U	1	28		0.64	43		0.76
NB-51-25-SL	1800		130	1.4		0.67	0.67	U	0.67	160		130	2.1	U	2.1	43		0.67	89		0.81
NB-51-37-SL	1200		130	2.2		0.63	0.63	U	0.63	130	U	130	1.5		1	28		0.63	69		0.76
NB-52-05-SL	880		120	1.1		0.61	0.61	U	0.61	120	U	120	1.5		0.98	29		0.61	39		0.74
NB-52-13-SL	710		130	1.4		0.65	0.65	U	0.65	130	U	130	1.1		1	26		0.65	36		0.77
NB-52-25-SL	1400		140	1		0.68	0.68	U	0.68	140	U	140	1.1	U	1.1	24		0.68	78		0.82
NB-52-35-SL	800		120	1.5		0.59	0.59	U	0.59	120	U	120	1.4		0.95	24		0.59	56		0.71
NB-53-05-SL	730		120	0.97		0.62	0.62	U	0.62	130		120	1.2		0.99	24		0.62	50		0.74
NB-53-13-SL	960		130	0.68		0.63	0.63	U	0.63	130	U	130	1.5		1	29		0.63	67		0.76
NB-53-23-SL	1100		130	0.66	U	0.66	0.66	U	0.66	130	U	130	1.5		1.1	23		0.66	81		0.79
NB-53-33-SL	660		130	0.64	U	0.64	0.64	U	0.64	130	U	130	1	U	1	18		0.64	94		0.77
NB-54-05-SL	990		130	0.62	U	0.62	0.62	U	0.62	130	U	130	1	U	1	31		0.62	67		0.75
NB-54-13-SL	1000		130	0.67		0.64	0.64	U	0.64	150		130	1	U	1	23		0.64	63		0.76
NB-54-25-SL	1100		140	0.93		0.69	0.69	U	0.69	140	U	140	1.1	U	1.1	27		0.69	170		0.83
NB-54-31-SL	110	U	110	0.55	U	0.55	0.55	U	0.55	110	U	110	0.88	U	0.88	22		0.55	82		0.66
NB-55-05-SL	830		120	0.62	U	0.62	0.62	U	0.62	170		120	1	U	1	29		0.62	42		0.75
NB-55-13-SL	800		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	26		0.63	71		0.76
NB-55-25-SL	970		150	0.74	U	0.74	0.74	U	0.74	150	U	150	1.2	U	1.2	29		0.74	75		0.88
NB-55-33-SL	350		120	0.59	U	0.59	0.59	U	0.59	120	U	120	0.94	U	0.94	26		0.59	140		0.7
NB-56-05-SL	840		120	0.61	U	0.61	0.61	U	0.61	130		120	0.98	U	0.98	29		0.61	41		0.74
NB-56-13-SL	970		130	0.64	U	0.64	0.64	U	0.64	130	U	130	1	U	1	31		0.64	68		0.77
NB-56-25-SL	990		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	26		0.63	67		0.76
NB-56-33-SL	1300		130	0.65	U	0.65	0.65	U	0.65	130	U	130	1	U	1	26		0.65	93		0.78
NB-57-05-SL	960		130	1.4		0.63	0.63	U	0.63	130	U	130	1	U	1	29		0.63	40		0.75

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-57-05-SL-FD	940		120	0.87		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	28		0.62	39		0.74
NB-57-15-SL	1200		130	1.9		0.64	0.64	U	0.64	130	U	130	1	U	1	28		0.64	60		0.77
NB-57-29-SL	1200		130	1.8		0.66	0.66	U	0.66	130	U	130	1.3		1.1	30		0.66	72		0.8
NB-57-34-SL	1100		130	1		0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	27		0.66	82		0.79
NB-58-05-SL	880		120	1.2		0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	27		0.61	37		0.73
NB-58-15-SL	870		130	0.64	U	0.64	0.64	U	0.64	130	U	130	1	U	1	27		0.64	67		0.77
NB-58-29-SL	1700		140	1.3		0.68	0.68	U	0.68	150		140	1.1	U	1.1	32		0.68	84		0.82
NB-58-36-SL	710		120	0.75		0.59	0.59	U	0.59	120	U	120	0.94	U	0.94	24		0.59	58		0.71
NB-59-05-SL	870		120	1.3		0.62	0.62	U	0.62	260		120	1	U	1	30		0.62	53		0.75
NB-59-13-SL	990		130	1.2		0.64	0.64	U	0.64	130	U	130	1	U	1	25		0.64	67		0.77
NB-59-25-SL	1100		130	1.4		1.3	0.65	U	0.65	140		130	2.1	U	2.1	34		0.65	83		0.78
NB-59-31-SL	830		130	1		0.63	0.63	U	0.63	130	U	130	1	U	1	23		0.63	110		0.76
NB-60-05-SL	810		120	0.61	U	0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	24		0.61	61		0.74
NB-60-13-SL	1000		130	1.3		0.64	0.64	U	0.64	130	U	130	1		1	26		0.64	69		0.76
NB-60-23-SL	1000		140	0.7	U	0.7	0.7	U	0.7	140	U	140	1.1	U	1.1	18		0.7	96		0.84
NB-60-31-SL	170		120	0.62	U	0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	30		0.62	150		0.74
NB-61-05-SL	950		120	0.62	U	0.62	0.62	U	0.62	120	U	120	2		2	32		0.62	59		0.74
NB-61-13-SL	920		130	1.3		0.63	0.63	U	0.63	130	U	130	2	U	2	28		0.63	62		0.76
NB-61-23-SL	890		130	0.64	U	0.64	0.64	U	0.64	130	U	130	1.4		1	26		0.64	120		0.77
NB-61-28-SL	790		120	0.83		0.62	0.62	U	0.62	120	U	120	1	U	1	19		0.62	130		0.75
NB-62-05-SL	490		120	0.59	U	0.59	0.59	U	0.59	120	U	120	0.94	U	0.94	17		0.59	81		0.7
NB-62-12-SL	180		110	0.91		0.56	0.56	U	0.56	110	U	110	0.89	U	0.89	22		0.56	73		0.67
NB-62-22-SL	140		110	0.56	U	0.56	0.56	U	0.56	110	U	110	0.9	U	0.9	31		0.56	120		0.67
NB-63-05-SL	630		120	0.82		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	21		0.62	850		0.74
NB-63-13-SL	230		120	0.74		0.58	0.58	U	0.58	120	U	120	1.9	U	1.9	24		0.58	120		0.7
NB-63-19-SL	600		120	0.61	U	0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	16		0.61	110		0.73
NB-64-05-SL	490		120	0.58	U	0.58	0.58	U	0.58	120	U	120	0.92	U	0.92	18		0.58	84		0.69
NB-64-13-SL	250		110	0.55		0.54	0.54	U	0.54	110	U	110	0.87	U	0.87	11		0.54	64		0.65
NB-64-17-SL	130		110	0.56	U	0.56	0.56	U	0.56	110	U	110	0.89	U	0.89	20		0.56	63		0.67
NB-65-05-SL	520		120	1.3		0.59	0.59	U	0.59	120	U	120	0.95	U	0.95	20		0.59	87		0.71
NB-65-13-SL	560		120	1.1		0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	21		0.6	92		0.72
NB-65-17-SL	360		120	0.85		0.58	0.58	U	0.58	120	U	120	0.93	U	0.93	31		0.58	130		0.69
NB-66-05-SL	440		110	0.72		0.57	0.57	U	0.57	110	U	110	0.92	U	0.92	16		0.57	110		0.69
NB-66-05-SL-FD	440		110	0.71		0.57	0.57	U	0.57	110	U	110	0.92	U	0.92	16		0.57	140		0.69
NB-66-15-SL	660		120	0.78		0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	19		0.61	69		0.73
NB-66-19-SL	220		110	0.57	U	0.57	0.57	U	0.57	110	U	110	0.92	U	0.92	25		0.57	140		0.69
NB-67-05-SL	580		120	0.86		0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	21		0.61	220		0.73
NB-67-11-SL	130		110	0.54	U	0.54	0.54	U	0.54	110	U	110	0.87	U	0.87	31		0.54	88		0.65
NB-67-21-SL	180		110	0.8		0.57	0.57	U	0.57	110	U	110	0.92	U	0.92	31		0.57	210		0.69
NB-68-05-SL	790		120	1.1		0.62	0.62	U	0.62	120	U	120	1	U	1	28		0.62	41		0.75
NB-68-13-SL	900		130	1.3		0.63	0.63	U	0.63	130	U	130	2	U	2	27		0.63	46		0.75
NB-68-17-SL	880		120	1.1		0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	26		0.61	40		0.74

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-68-25-SL	1800		140	1		0.7	0.7	U	0.7	140	U	140	1.1	U	1.1	27		0.7	84		0.84
NB-68-33-SL	300		120	0.6	U	0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	10	*N	0.6	87	N	0.72
NB-69-05-SL	950		120	2		0.61	0.61	U	0.61	120	U	120	1.6		0.97	31		0.61	42		0.73
NB-69-15-SL	990		120	1.5		0.61	0.61	U	0.61	120	U	120	1.2		0.97	32		0.61	48		0.73
NB-69-22-SL	1800		140	0.88		0.72	0.72	U	0.72	140	U	140	1.5		1.2	28		0.72	80		0.87
NB-69-34-SL	730		130	0.78		0.63	0.63	U	0.63	130	U	130	1	U	1	11		0.63	100		0.75
NB-70-05-SL	1000		120	1		0.62	0.62	U	0.62	120	U	120	1.6		0.99	33		0.62	42		0.74
NB-70-15-SL	950		130	0.83		0.64	0.64	U	0.64	130	U	130	1.6		1	31		0.64	44		0.77
NB-70-23-SL	2200		140	1.6		0.69	0.69	U	0.69	170		140	1.4		1.1	42		0.69	86		0.83
NB-70-33-SL	700		120	0.61	U	0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	18		0.61	44		0.74
NB-71-05-SL	1000		120	1.5		0.62	0.62	U	0.62	120	U	120	1.9		1	33		0.62	72		0.75
NB-71-05-SL-FD	990		120	0.79		0.62	0.62	U	0.62	120	U	120	1.8		0.98	30		0.62	68		0.74
NB-71-13-SL	950		120	0.76		0.62	0.62	U	0.62	120	U	120	1.7		1	31		0.62	58		0.75
NB-71-27-SL	420		120	0.6	U	0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	20		0.6	170		0.72
NB-72-05-SL	410		110	0.57		0.56	0.56	U	0.56	110	U	110	0.89	U	0.89	14		0.56	90		0.67
NB-72-11-SL	390		120	0.59	U	0.59	0.59	U	0.59	120	U	120	0.95	U	0.95	13		0.59	57		0.71
NB-72-19-SL	260		120	0.58	U	0.58	0.58	U	0.58	120	U	120	0.92	U	0.92	37		0.58	200		0.69
NB-72-22-SL	220		110	0.9		0.57	0.57	U	0.57	110	U	110	0.92	U	0.92	23		0.57	150		0.69
NB-73-05-SL	220		110	0.55	U	0.55	0.55	U	0.55	110	U	110	0.88	U	0.88	8		0.55	36		0.66
NB-73-13-SL	180		110	0.55	U	0.55	0.55	U	0.55	110	U	110	1		0.88	23		0.55	76		0.66
NB-73-23-SL	270		110	0.57	U	0.57	0.57	U	0.57	150		110	0.92	U	0.92	17		0.57	63		0.69
NB-74-05-SL	1100		120	1.1		0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	33		0.61	76	E	0.73
NB-74-17-SL	940		130	0.91		0.63	0.63	U	0.63	130	U	130	1	U	1	26		0.63	70		0.75
NB-74-25-SL	960		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	28		0.63	78		0.75
NB-74-33-SL	290		120	0.6	U	0.6	0.6	U	0.6	120	U	120	0.95	U	0.95	25		0.6	120		0.72
NB-75-08-SL	780		120	0.87		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	23		0.62	48		0.74
NB-75-15-SL	850		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1	U	1	19		0.63	100		0.75
NB-75-19-SL	350		120	0.78		0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	24		0.6	94		0.72
NB-76-06-SL	210		110	0.54	U	0.54	0.54	U	0.54	110	U	110	0.86	U	0.86	8.5		0.54	36		0.64
NB-76-10-SL	120		110	0.55	U	0.55	0.55	U	0.55	110	U	110	0.88	U	0.88	10		0.55	41		0.66
NB-76-24-SL	210		120	0.59	U	0.59	0.59	U	0.59	120	U	120	0.94	U	0.94	29		0.59	520		0.7
NB-77-05-SL	220		110	0.53	U	0.53	0.53	U	0.53	110	U	110	0.85	U	0.85	14		0.53	74	N	0.64
NB-77-13-SL	130		110	0.53	U	0.53	0.53	U	0.53	110	U	110	0.85	U	0.85	14		0.53	58		0.64
NB-77-24-SL	190		110	0.56	U	0.56	0.56	U	0.56	110	U	110	0.9	U	0.9	29		0.56	240		0.68
NB-78-07-SL	620		120	0.68		0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	23		0.6	130		0.72
NB-78-11-SL	540		130	0.63	U	0.63	0.63	U	0.63	130	U	130	2	U	2	19		0.63	89		0.75
NB-78-18-SL	920		130	1.4		0.66	0.66	U	0.66	130	U	130	1.1	U	1.1	20		0.66	180		0.8
NB-79-05-SL	610		120	0.67		0.58	0.58	U	0.58	120	U	120	0.92	U	0.92	27		0.58	36		0.69
NB-79-05-SL-FD	790		120	0.71		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	26		0.62	38		0.74
NB-79-11-SL	600		120	0.61	U	0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	21		0.61	31		0.73
NB-79-24-SL	760		120	0.6	U	0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	30		0.6	96		0.72
NB-80-05-SL	750		120	0.66		0.58	0.58	U	0.58	120	U	120	0.93	U	0.93	24		0.58	37		0.69

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-80-11-SL	650		120	0.62	U	0.62	0.62	U	0.62	120	U	120	1	U	1	13		0.62	25		0.75
NB-80-27-SL	200		110	0.55	U	0.55	0.55	U	0.55	110	U	110	0.88	U	0.88	17		0.55	120		0.66
NB-81-05-SL	1000		120	0.7		0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	34		0.61	72		0.74
NB-81-13-SL	1000		120	0.62	U	0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	30		0.62	69		0.74
NB-81-31-SL	430		110	0.73		0.57	0.57	U	0.57	110	U	110	0.91	U	0.91	27		0.57	120		0.68
NB-82-05-SL	660		130	0.64	U	0.64	0.64	U	0.64	130	U	130	1	U	1	25		0.64	230		0.77
NB-82-11-SL	310		120	0.61	U	0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	18		0.61	49		0.73
NB-82-20-SL	110	U	110	0.57	U	0.57	0.57	U	0.57	110	U	110	0.91	U	0.91	44		0.57	300		0.68
NB-83-05-SL	750		120	0.67		0.62	0.62	U	0.62	120	U	120	0.99	U	0.99	25		0.62	130		0.74
NB-83-11-SL	710		120	0.97		0.62	0.62	U	0.62	120	U	120	1	U	1	29		0.62	59		0.75
NB-83-23-SL	140		110	0.57	U	0.57	0.57	U	0.57	110	U	110	0.92	U	0.92	31		0.57	210		0.69
NB-84-05-SL	970		120	0.82		0.6	0.6	U	0.6	120	U	120	0.95	U	0.95	30		0.6	69		0.72
NB-84-15-SL	730		110	0.58		0.56	0.56	U	0.56	110	U	110	0.89	U	0.89	22		0.56	54		0.67
NB-84-23-SL	240		120	0.59	U	0.59	0.59	U	0.59	120	U	120	0.94	U	0.94	14		0.59	39		0.71
NB-84-33-SL	120		110	0.65		0.55	0.55	U	0.55	110	U	110	0.88	U	0.88	40		0.55	180		0.66
NB-85-05-SL	840		120	0.83		0.6	0.6	U	0.6	120	U	120	0.97	U	0.97	25		0.6	62		0.73
NB-85-15-SL	810		130	0.62	U	0.62	0.62	U	0.62	130	U	130	1	U	1	25		0.62	58		0.75
NB-85-25-SL	920		120	1		0.6	0.6	U	0.6	120	U	120	0.96	U	0.96	25		0.6	81		0.72
NB-85-35-SL	700		120	0.62	U	0.62	0.62	U	0.62	120	U	120	0.98	U	0.98	21		0.62	72		0.74
NB-86-05-SL	560		110	0.94		0.57	0.57	U	0.57	110	U	110	0.91	U	0.91	21		0.57	67		0.68
NB-86-15-SL	990		130	0.88		0.65	0.65	U	0.65	130	U	130	1	U	1	25		0.65	81		0.78
NB-86-19-SL	980		130	1.1		0.63	0.63	U	0.63	130	U	130	2	U	2	27		0.63	110		0.76
OA-18-03-SL	880		120	1.9		0.61	0.61	U	0.61	120	U	120	2.9	U	2.9	30		0.61	39		0.73
OA-18-17-SL	1200	*	130	1.3	U	1.3	0.66	U	0.66	260		130	2.1	U	2.1	30		0.66	65		0.79
OA-18-25-SL	1600		130	1.9		0.67	0.67	U	0.67	170		130	1.2		1.1	28		0.67	82		0.81
OA-18-33-SL	1000		130	0.95		0.67	0.67	U	0.67	130	U	130	1.2		1.1	26		0.67	180		0.8
OA-19-05-SL	820		120	0.83		0.62	0.62	U	0.62	220		120	3	U	3	30		0.62	51		0.74
OA-19-15-SL	1700		140	0.96		0.68	0.68	U	0.68	400		140	1.1	U	1.1	32		0.68	88		0.81
OA-19-25-SL	1000		130	1.3	U	1.3	0.65	U	0.65	320		130	2.1	U	2.1	31		0.65	73		0.78
OA-19-33-SL	900		130	0.92		0.63	0.63	U	0.63	130	U	130	1	U	1	21		0.63	94		0.75
PL-04-05-SL	1100		130	0.64		0.63	0.63	U	0.63	130	U	130	1.5		1	29		0.63	49		0.76
PL-04-13-SL	910		130	0.66		0.64	0.64	U	0.64	130	U	130	1.9		1	30		0.64	68		0.77
PL-04-23-SL	950		130	0.65	U	0.65	0.65	U	0.65	130	U	130	1	U	1	17		0.65	73		0.78
PL-04-31-SL	880		130	0.64	U	0.64	0.64	U	0.64	130	U	130	1	U	1	25		0.64	120		0.77
PL-05-05-SL	990		120	1.1		0.62	0.62	U	0.62	120	U	120	2	U	2	28		0.62	64		0.75
PL-05-15-SL	960		130	0.86		0.63	0.63	U	0.63	170		130	1	U	1	25		0.63	66		0.76
PL-05-28-SL	990		140	1.7		0.68	0.68	U	0.68	140	U	140	1.1	U	1.1	22		0.68	120		0.82
PL-06-07-SL	770		120	1		0.62	0.62	U	0.62	120	U	120	1.7		0.99	29		0.62	71		0.74
PL-06-13-SL	910		130	0.99		0.63	0.63	U	0.63	310		130	1	U	1	26		0.63	70		0.76
PL-06-17-SL	900		130	0.63	U	0.63	0.63	U	0.63	290		130	1	U	1	24		0.63	71		0.76
PL-06-29-SL	600		130	0.75		0.64	0.64	U	0.64	130	U	130	1	U	1	20		0.64	140		0.77
PL-06-33-SL	130		110	0.61		0.55	0.55	U	0.55	110	U	110	0.87	U	0.87	23		0.55	130		0.66

Table H.6 Inorganics in Subsurface Soils (mg/kg)

Sample ID	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium			Zinc		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
RR-04-05-SL	1900		130	1.1		0.66	0.66	U	0.66	980		130	1.9		1	30		0.66	140		0.79
RR-04-15-SL	1000		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1.8		1	23		0.63	57		0.75
RR-04-25-SL	880		130	1.3		0.65	0.65	U	0.65	210		130	1.1		1	24		0.65	66		0.78
RR-05-05-SL	1800		130	1.2		0.64	0.64	U	0.64	130	U	130	2.2		1	31		0.64	110		0.77
RR-05-05-SL-FD	1800		130	1.1		0.63	0.63	U	0.63	130	U	130	1.8		1	30		0.63	130		0.76
RR-05-15-SL	730		130	0.75		0.63	0.63	U	0.63	130	U	130	1	U	1	20		0.63	41		0.76
RR-05-25-SL	1100		130	0.63	U	0.63	0.63	U	0.63	130	U	130	1.4		1	26		0.63	73		0.75
SW-02-01-SL	1300		130	1.3		0.63	0.85		0.63	130	U	130	2	U	2	23		0.63	110		0.76
SW-02-09-SL	820		130	0.65	U	0.65	0.65	U	0.65	130	U	130	1	U	1	23		0.65	44		0.78
SW-02-15-SL	1100		140	1.4		0.69	0.69	U	0.69	140	U	140	1.1	U	1.1	33		0.69	87		0.83
SW-02-23-SL	1100		140	1.5		0.71	0.71	U	0.71	140	U	140	1.1	U	1.1	23		0.71	140		0.85
SW-05-08-SL	970		120	0.9		0.6	0.6	U	0.6	120	U	120	0.95	U	0.95	29		0.6	54		0.71
SW-05-12-SL	1000		120	0.61	U	0.61	0.61	U	0.61	120	U	120	0.97	U	0.97	27		0.61	59		0.73
SW-06-05-SL	870		120	1.6		0.62	0.62	U	0.62	120	U	120	2	U	2	34		0.62	47		0.74
SW-06-05-SL-FD	820		120	1.5		0.62	0.62	U	0.62	120	U	120	2	U	2	32		0.62	44		0.74
SW-06-13-SL	890		120	1.2		0.62	0.62	U	0.62	120	U	120	2	U	2	35		0.62	46		0.75
SW-06-23-SL	1100		130	1.2		0.67	0.67	U	0.67	130	U	130	1.1	U	1.1	22		0.67	76		0.81
SW-07-05-SL	820		130	1.6		0.63	0.63	U	0.63	170		130	1	U	1	30		0.63	60		0.75
SW-07-15-SL	690		130	1.1		0.63	0.63	U	0.63	130	U	130	1	U	1	26		0.63	57		0.75
SW-07-23-SL	960		140	1.3		0.68	0.68	U	0.68	150		140	1.1	U	1.1	33		0.68	120		0.82
SW-08-03-SL	620		120	0.95		0.61	0.61	U	0.61	120	U	120	0.98	U	0.98	19		0.61	42		0.74
SW-08-05-SL	560		130	1.4		0.64	0.64	U	0.64	130	U	130	2	U	2	23		0.64	33		0.76
SW-08-15-SL	1400		140	1.9		0.69	0.69	U	0.69	190		140	2.2	U	2.2	32		0.69	87		0.83
SW-08-25-SL	160		110	2.3		0.57	0.57	U	0.57	110	U	110	0.91	U	0.91	22		0.57	88		0.69

Table H.7 Radionuclides in Surface Water (pCi/L)

Sample ID	Alpha activity			Beta activity			Technetium-99			Thorium-228			Thorium-230			Thorium-232		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SW	38.9		2.99	34.7	M3	6	1.25	U	6.21	0.023	U	0.125	0.00829	U	0.171	-0.00887	U	0.0762
SW-02-SW	2.37	=	1.1	4.88	=	2.23	1.31	UJ	6.17	0.0261	UJ	0.126	0.019	UJ	0.142	0.0293	UJ	0.049
SW-08-SW	0.768	U	1.81	2.68	U	2.76	1.45	U	6.14	0.0864	U	0.108	0.0193	U	0.139	-0.0102	U	0.053
SW-08-SW-FD	1.33	U	1.7	2.8	LT	2.76	1.06	U	6.05	0.0291	U	0.143	-0.0156	U	0.178	0.00624	U	0.0469
SW-09-SW	2.56	LT	1.76	4.15		2.79	2.39	U	4.84	0.0758	U	0.11	-0.00688	U	0.144	0.0223	U	0.0414
SW-14-SW	0.19	U	1.47	2.13	U	2.88	-0.978	U	6.06	0.0258	U	0.154	0.0368	U	0.139	0.019	U	0.0501
SW-15-SW	0.18	U	1.57	2.2	U	2.66	-0.282	U	6	0.0213	U	0.0935	-0.0104	U	0.125	0.0113	U	0.0427
SW-16-SW	0.0907	U	1.85	3.6	LT	3.04	1.29	U	5.99	0.0087	U	0.088	0.0345	U	0.129	0.0145	U	0.042
US-01-SW	1.04	U	1.79	0.757	U	2.75	1.02	U	4.78	0.0333	U	0.137	0.0171	U	0.129	0.0169	U	0.0444
US-02-SW	0.831	U	1.64	2.33	U	2.86	3.16	U	6.34	0.0422	U	0.106	-0.0343	U	0.153	0.0101	U	0.0458
US-03-SW	0.904	U	1.54	3.27	LT	2.74	1.71	U	6.41	0.0746	U	0.173	0.00322	U	0.157	0.027	U	0.0555
US-04-SW	0.208	U	1.82	2.36	U	2.91	1.95	U	4.74	0.0118	U	0.1	0.0451	U	0.153	-0.00434	U	0.0457
US-05-SW	1.05	U	1.07	2.7	LT	2.64	0.025	U	6.08	-0.0072	U	0.114	0.0341	U	0.131	-0.0135	U	0.0744

Sample ID	Uranium-234			Uranium-235			Uranium-238		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SW	29.6		0.0399	1.24		0.0469	4.77		0.045
SW-02-SW	1.49	=	0.0814	0.14	J	0.0691	0.418	=	0.0814
SW-08-SW	0.839		0.0923	0.0804	LT	0.0311	0.363		0.0681
SW-08-SW-FD	0.803		0.0628	0.0318	LT	0.0287	0.371		0.0628
SW-09-SW	1.78		0.0494	0.106	LT	0.0221	0.818		0.0188
SW-14-SW	0.549		0.0488	0.0545	LT	0.0465	0.276		0.0446
SW-15-SW	0.594		0.0341	0.0641	LT	0.0481	0.321		0.0545
SW-16-SW	0.483		0.0393	0.00439	U	0.0739	0.152	LT	0.0471
US-01-SW	0.492		0.0645	0.0306	LT	0.0208	0.281		0.0583
US-02-SW	0.678		0.168	0.049	U	0.118	0.74		0.106
US-03-SW	0.538		0.0731	0.0524	U	0.086	0.215		0.0663
US-04-SW	0.516		0.0328	0.055	U	0.0617	0.329		0.0487
US-05-SW	0.439		0.0547	0.0138	U	0.0598	0.221		0.0701

Table H.8 Radionuclides in Groundwater (pCi/L)

Sample ID	Alpha activity			Americium-241			Beta activity			Neptunium-237			Plutonium 238			Plutonium 239/240		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
EP-20-20-30-OL-GW																		
GW-BD1-121704	8.6		T				88.8		T									
GW-BD13-122804	2.17	LT	T				4.09		T									
GW-BD14-122904	1.48	LT	T				2.59	LT	T									
GW-BD16-122204	47.1		T	0.0132	U	T	30.4		T	0.0175	LT	T	-0.0073	U	T	0	U	T
GW-BD2-121604	26.9	U7	T				3000	U7	T									
GW-BD3-121704	18.1		T				18		T									
GW-BD4-121704	4.15		T				161		T									
GW-BD5-121504	8.83		T				62.9		T									
GW-BD6-121404	2.61	=	T				3	=	T									
GW-BD8-122804	5.94		T				12.6		T									
GW-BP17-122204	1.72	LT	T	-0.00513	U	T	7.45		T	0.00682	U	T	0.00522	U	T	-0.00241	U	T
GW-BP22A-122804	1.94	LT	D	0.0094	U	D	1.87	U	D	0	U	D	-0.00411	U	D	0.00479	U	D
GW-BP22A-122804	2.22	LT	T	-0.00338	U	T	3.84	LT	T	0.0122	U	T	0.0179	U	T	-0.00223	U	T
GW-BP22B-122804	4.1		T				41.8		T									
GW-BR10JC-121304	5.21		T				8.88		T									
GW-BR10OB-120804	3.23		T				4.48		T									
GW-BR10RB-121304	15.7		T				9.12		T									
GW-BR11JC-121304	8		T				11.5		T									
GW-BR12JC-120804	7.59		D	0	U	D	7.51		D	-0.0014	U	D	-0.00209	U	D	0	U	D
GW-BR12JC-120804	10.4		T	0.0143	U	T	9.67		T	-0.00777	U	T	0	U	T	0.00647	U	T
GW-BR12RB-120804	12.7		D	0.0131	U	D	7.54		D	0.014	U	D	-0.00227	U	D	0.00944	U	D
GW-BR12RB-120804	13.1		T	0.0231	U	T	10.2		T	0.00495	U	T	0.0026	U	T	0.0026	U	T
GW-BR1JC-120604	3.23		D	0	U	D	5.49		D	0.0162	U	D	0.0109	U	D	-0.00465	U	D
GW-BR1JC-121704	10.1		T	0.0103	U	T	12.1		T	-0.00114	U	T	-0.00466	U	T	0	U	T
GW-BR1RB-120704	5.44		D	0.00092	U	D	3.78	LT	D	-0.00983	U	D	-0.00449	U	D	0.0127	U	D
GW-BR1RB-120704	5.68		T	0.00753	U	T	3.39	LT	T	-0.00641	U	T	-0.00441	U	T	-0.00441	U	T
GW-BR2JC-120804	8.67		T				10.2		T									
GW-BR2RB-120804	4.21		T	-0.00225	U	T	3.63	LT	T	0.00436	U	T	-0.00441	U	T	0.0184	U	T
GW-BR3JC-120904	8.01		T				7.24		T									
GW-BR3OB-120804	2.15	LT	T				3.35	LT	T									
GW-BR3RB-120904	7.93		T				6.61		T									
GW-BR4JC-121404	6.24	=	T				9.04	=	T									
GW-BR4RB-121004	9.55	=	T				6.62	=	T									
GW-BR5JC-121304	6.58		T				9.1		T									
GW-BR5RB-121004	7.94	=	T				6.02	=	T									
GW-BR6OB-120704	5.05		D				4.71		D									
GW-BR6OB-120704	7.26		T				12.3		T									

Table H.8 Radionuclides in Groundwater (pCi/L)

Sample ID	Alpha activity			Americium-241			Beta activity			Neptunium-237			Plutonium 238			Plutonium 239/240		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR6RB-120704	9.4		D	0.00869	U	D	3.95	LT	D	0.00453	U	D	0.0031	U	D	0.0155	U	D
GW-BR6RB-120704	9.47		T	0	U	T	4.58		T	0.00653	U	T	-0.00222	U	T	0.0155	U	T
GW-BR7JC-121504	6.19		T				5.86		T									
GW-BR7RB-121404	19	=	T				10.8	=	T									
GW-BR8JC-120604	4.05		T				14		T									
GW-BR8OB-120604	1.3	LT	T	-0.00233	U	T	1.61	LT	T	0.00329	U	T	-0.0168	U	T	-0.012	U	T
GW-BR8RB-120704	10.9		T				7.48		T									
GW-BR9JC-121404	5.88	=	D	0.0218	UJ	D	8.18	=	D	-0.00954	UJ	D	0	UJ	D	0.00067	UJ	D
GW-BR9JC-121404	5.75	=	T	0	UJ	T	8.01	=	T	0.0004	UJ	T	-0.00204	UJ	T	0.00681	UJ	T
GW-CB02-121404	1.96	=	T	-0.00603	UJ	T	2.37		T	0.00266	UJ	T	0	UJ	T	0.00682	UJ	T
GW-DM02-122204	301		T	0.00316	U	T	55.6		T	0.0874		T	0	U	T	0.00533	U	T
GW-EP15-121004	0.877	U	T				219	=	T									
GW-EP16-121304	2.65	LT	T	0.00989	U	T	446		T	-0.00496	U	T	-0.00213	U	T	-0.00637	U	T
GW-EP20-121504	4.18		D				1050		D									
GW-EP20-121504	2.46	LT	T				1090		T									
GW-FD1-120704	0.93	U	T				10.5		T									
GW-FD2-121304	8.95		T				8.6		T									
GW-FD3-121304	1.15	U	T	-0.00247	U	T	378		T	0.00141	U	T	-0.00615	U	T	-0.00205	U	T
GW-FD4-121404	5.7	=	D	0	UJ	D	8.1	=	D	0.0153	UJ	D	-0.00469	UJ	D	0.0133	UJ	D
GW-FD4-121404	8.37	=	T	0.00795	UJ	T	10.3	=	T	0.00483	UJ	T	-0.00225	UJ	T	-0.00225	UJ	T
GW-FD5-121604	10.1		T				11		T									
GW-FD6-121304	8.98		T				8.02		T									
GW-FD7-122004	2.2	LT	T	0.0193	U	T	3.13	LT	T	0.00134	U	T	0.0026	U	T	0.00706	U	T
GW-LF08-122104	4.69		T				176		T									
GW-LF09-122004	1.89	LT	T	0.01	U	T	4.39		T	-0.00027	U	T	0.0226	U	T	-0.00216	U	T
GW-NB31-122104	0.527	U	T	0.0193	U	T	46.9		T	0.00272	U	T	-0.00916	U	T	-0.0114	U	T
GW-NB32-122004	1.08	U	T				15.8		T									
GW-NB33-122104	0.65	U	D				0.622	U	D									
GW-NB33-122104	0.226	U	T				2.49	LT	T									
GW-NB34-120704	1.99	LT	T				9.99		T									
GW-NB35-122104	4.46		T				10		T									
GW-NB36-122204	1.05	U	T				2.97	LT	T									
GW-NB38-120904	1.43	U	T				2.29	U	T									
GW-NB39-121504	1.03	U	D				7.18		D									
GW-NB39-121504	1.97	LT	T				8.71		T									
GW-NB44-120604	2.05	LT	D				3.17	LT	D									
GW-NB44-120604	1.73	LT	T				3.67	LT	T									
GW-NB46-121004	-0.236	UJ	T				1.74	U	T									

Table H.8 Radionuclides in Groundwater (pCi/L)

Sample ID	Alpha activity			Americium-241			Beta activity			Neptunium-237			Plutonium 238			Plutonium 239/240		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB50-121604	1.26	LT	T	0.00885	U	T	1.96	LT	T	0.00412	U	T	0	U	T	0.0109	U	T
GW-NB54-122004	0.93	LT	D				0.881	U	D									
GW-NB54-122004	1.12	LT	T				1.8	LT	T									
GW-NB56-121604	0.928	U	T				1.29	U	T									
GW-NB57A-121404	1.33	=	T				1.21	U	T									
GW-NB57B-121504	2.52	LT	T				0.684	U	T									
GW-NB61-122204	0.798	U	D				0.953	U	D									
GW-NB61-122204	0.539	U	T				2.08	U	T									
GW-NB63-120704	0.788	U	T	0.0131	U	T	3.39	LT	T	-0.00548	U	T	-0.00466	U	T	0.0132	U	T
GW-NB64-122104	0.0197	U	T	0.0294	LT	T	4.25		T	0.00298	U	T	0.00289	U	T	-0.00248	U	T
GW-NB65-122004	0.982	LT	T	-0.00236	U	T	2.26	LT	T	0.00668	U	T	0.0131	U	T	-0.00206	U	T
GW-NB66-120604	1.01	U	T				3.57	LT	T									
GW-NB67-120704	0.516	U	D				2.53	U	D									
GW-NB67-120704	1.57	LT	T				2.06	U	T									
GW-NB71-121304	1.27	U	T				0.971	U	T									
GW-NB72-122104	1.01	U	T				4.09		T									
GW-NB73-122004	2.66	LT	T	0.0151	U	T	7.04		T	-0.00292	U	T	0	U	T	0.00851	U	T
GW-NB74-121304	2.14	LT	T				5.61		T									
GW-NB77-122004	1.08	LT	T				3.53	LT	T									
GW-NB78-122104	2.43	LT	T				2.74	LT	T									
GW-NB79-121704	0.958	U	T	0.00848	U	T	2.58	U	T	0.0017	U	T	-0.00653	U	T	0.00907	U	T
GW-NB80-121704	0.308	U	T	0.00541	U	T	1.88	U	T	0.00323	U	T	0.00623	U	T	0.0082	U	T
GW-NB81-120904	0.587	U	T				1.73	U	T									
GW-NB82-121004	1.2		T				1.46	U	T									
GW-NB83-120904	2.27	LT	T				2.28	U	T									
GW-NB84-120804	2.63	LT	T				5.8		T									
GW-NB85-120804	1.59	U	T				1.61	U	T									
GW-NB86-120804	2.01	LT	T	0.0245	U	T	2.05	U	T	0	U	T	-0.00223	U	T	0	U	T
GW-OA19-122104	4.21		T				7.24		T									
GW-OB1-121404	3.37	=	T				4.2	=	T									
GW-OB2-121404	6.02	=	T				10.9	=	T									
GW-PL04-122204	0.941	U	T	0	U	T	8.93		T	-0.00646	U	T	0	U	T	0.0054	U	T
GW-PL06-121504	0.0932	U	T				87.1		T									
GW-PZ3-121704	6.32		T				6.98		T									
GW-PZ4-121304	0.192	U	T				0.788	U	T									
GW-RR05-120904	0.991	U	T	0.0174	U	T	0.819	U	T	0.00372	U	T	-0.00406	U	T	-0.00203	U	T
GW-SW07-121004	1.73		T	0.0108	UJ	T	2.41	U	T	0.00263	UJ	T	-0.0041	UJ	T	0.013	UJ	T
GW-WS14-121604	3.42		T	-0.00394	U	T	72.9		T	-0.00112	U	T	-0.00505	U	T	0.00799	U	T

Table H.8 Radionuclides in Groundwater (pCi/L)

Sample ID	Alpha activity			Americium-241			Beta activity			Neptunium-237			Plutonium 238			Plutonium 239/240		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS15-121604	1.93	LT	T				14		T									
GW-WS16-121604	0.122	U	T				7.97		T									
GW-WS17B-121704	14.8		T				1790		T									
GW-WS22-121304	0.0906	U	T				6.41		T									
GW-WS23-121304	5.75		T	0.0135	U	T	7.11		T	-0.0107	U	T	0	U	T	0.00774	U	T
GW-WS24-121504	132		T				33.5		T									
GW-WS25-121504	6.77		T	0.00936	U	T	8.87		T	-0.00289	U	T	-0.005	U	T	-0.0025	U	T
GW-WS26-121504	18		T				8.78		T									
GW-WS27-121504	0.642	U	T				3.24	LT	T									
GW-WS28-121604	0.757	U	T				6.7		T									
GW-WS29-121604	0.0508	U	T				0.637	U	T									
GW-WS30-121604	7.9		T				72.8		T									
GW-WS31-121604	8.23		T				9.2		T									
GW-WS32-121704	0.82	U	T				14.6		T									
GW-WS34-121404	2.41	=	T				3.76	=	T									
GW-WS7-121304	12.1		T				290		T									
GW-WS8-120904	2	LT	T				9.2		T									
NB-32-24-34-OL-GW																		
NB-34-22-32-OL-GW																		
NB-35-24-29-OL-GW																		

Table H.8 Radionuclides in Groundwater (pCi/L)

Sample ID	Radium 226			Radium-228			Technetium-99			Thorium-228			Thorium-230			Thorium-232		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
EP-20-20-30-OL-GW							2280		T	0.102	U	T	0.144	U	T	-0.00483	U	T
GW-BD1-121704							191		T	0.0164	U	T	0.0379	U	T	0.00588	U	T
GW-BD13-122804							0.0566	U	T	0.116	LT	T	-0.0351	U	T	0.0805	LT	T
GW-BD14-122904							5.38	U	T	0.0196	U	T	-0.0687	U	T	0.0181	U	T
GW-BD16-122204							7.75	U	T	1.1		T	1		T	0.834		T
GW-BD2-121604							5100		T	0.644		T	0.907		T	0.586		T
GW-BD3-121704							14.6	LT	T	0.288		T	0.405		T	0.265		T
GW-BD4-121704							298		T	0.0634	U	T	0.0577	U	T	0.0579	LT	T
GW-BD5-121504							117		T	0.199	LT	T	0.25		T	0.244		T
GW-BD6-121404							1.66	UJ	T	0.167	J	T	0.0487	UJ	T	0.0372	U	T
GW-BD8-122804							20.5		T	0.0718	U	T	-0.0407	U	T	0.0123	U	T
GW-BP17-122204							8.03	U	T	0.00362	U	T	0.0183	U	T	0.0155	U	T
GW-BP22A-122804	0.27	YU,U	D	0.319	U	D	5.58	U	D	0.0461	U	D	-0.0052	U	D	0.00629	U	D
GW-BP22A-122804	0.501	LT	T	0.544	U	T	-0.292	U	T	0.104	LT	T	-0.0313	U	T	0.0355	U	T
GW-BP22B-122804	0.602	LT	T	0.916	LT	T	70.3		T	0.191	LT	T	-0.021	U	T	0.094	LT	T
GW-BR10JC-121304							0.035	U	T	0.026	U	T	0.0281	U	T	0.0285	U	T
GW-BR10OB-120804							4.15	U	T	0.0388	U	T	0.00381	U	T	0.0642	LT	T
GW-BR10RB-121304							2.17	U	T	0.0664	U	T	0.026	U	T	0.0046	U	T
GW-BR11JC-121304							5.8	U	T	-0.0204	U	T	-0.0287	U	T	0.00481	U	T
GW-BR12JC-120804	1.33		D	0.303	U	D	4.12	U	D	0.016	U	D	0.0168	U	D	-0.00578	U	D
GW-BR12JC-120804	1.38		T	0.237	U	T	4.59	U	T	0.113	LT	T	-0.0236	U	T	0.0406	LT	T
GW-BR12RB-120804	1.44		D	0.391	U	D	2.73	U	D	0.00495	U	D	-0.00902	U	D	0.0243	LT	D
GW-BR12RB-120804	0.73	LT	T	0.535	U	T	0.81	U	T	0.0597	U	T	0.0974	U	T	0.0629	LT	T
GW-BR1JC-120604	1.03		D	0.828	LT	D	3.81	U	D	0.0142	U	D	-0.053	U	D	0.00668	U	D
GW-BR1JC-121704	1.4	YU	T	0.848	LT	T	4.31	U	T	0.997		T	0.694		T	0.736		T
GW-BR1RB-120704	0.181	U	D	-0.0703	U	D	2.17	U	D	-0.00073	U	D	0.00518	U	D	0.0252	LT	D
GW-BR1RB-120704	-0.0145	U	T	0.176	U	T	4.41	U	T	0.0263	U	T	-0.0272	U	T	0.0168	U	T
GW-BR2JC-120804							2.39	U	T	0.127	U	T	0.0449	U	T	0.0204	U	T
GW-BR2RB-120804							3.1	Y2,U	T	0.109	U	T	0.113	U	T	0.119	LT	T
GW-BR3JC-120904							2.9	U	T	0.118	U	T	0.0893	U	T	0.00823	U	T
GW-BR3OB-120804							2.37	U	T	-0.0105	U	T	0.0363	U	T	0.0303	U	T
GW-BR3RB-120904							3.24	U	T	-0.0008	U	T	-0.0405	U	T	0.0159	U	T
GW-BR4JC-121404							2.33	UJ	T	0.0715	U	T	0.0117	UJ	T	0.0346	UJ	T
GW-BR4RB-121004							6.42	UJ	T	0.0322	UJ	T	0.0242	UJ	T	0.0204	UJ	T
GW-BR5JC-121304							6.93		T	0.0766	U	T	0.00567	U	T	0.0103	U	T
GW-BR5RB-121004							4.88	UJ	T	-0.00588	UJ	T	0.0297	UJ	T	0.00604	UJ	T
GW-BR6OB-120704	0.158	YU,U	D	0.648	U	D	4.52	U	D	0.0293	U	D	-0.0138	U	D	0.00704	U	D
GW-BR6OB-120704	0.252	U	T	0.14	U	T	1.17	U	T	0.0987	LT	T	0.0707	U	T	0.086	LT	T

Table H.8 Radionuclides in Groundwater (pCi/L)

Sample ID	Radium 226			Radium-228			Technetium-99			Thorium-228			Thorium-230			Thorium-232		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR6RB-120704	0.915	LT	D	0.482	U	D	3.94	U	D	0.0148	U	D	0.00749	U	D	0.0203	LT	D
GW-BR6RB-120704	1.1		T	0.465	U	T	2.02	U	T	0	U	T	-0.0511	U	T	0.00067	U	T
GW-BR7JC-121504							-1.66	U	T	0.0217	U	T	0.0179	U	T	0.0357	U	T
GW-BR7RB-121404							3.73	UJ	T	0.141	J	T	0.0946	U	T	0.024	UJ	T
GW-BR8JC-120604							4.37	U	T	0.0247	U	T	-0.0124	U	T	0.0224	U	T
GW-BR8OB-120604							2.69	U	T	-0.00721	U	T	0.0412	U	T	0.0079	U	T
GW-BR8RB-120704							-0.269	U	T	0.018	U	T	-0.0101	U	T	0.00197	U	T
GW-BR9JC-121404	1.32	=	D	1.02	=	D	2.34	UJ	D	0.0628	UJ	D	-0.0651	UJ	D	0.00739	UJ	D
GW-BR9JC-121404	1.62	=	T	1.29	=	T	7.31	U	T	0.0509	UJ	T	0.00468	UJ	T	0.0178	UJ	T
GW-CB02-121404							3.75	UJ	T	0.0417	UJ	T	-0.0576	UJ	T	-0.0037	UJ	T
GW-DM02-122204							44.1		T	0.154	LT	T	-0.0393	U	T	0.0201	LT	T
GW-EP15-121004							362	=	T	-0.0182	UJ	T	0.159	U	T	0.00709	UJ	T
GW-EP16-121304							675		T	-0.0188	U	T	0.00219	U	T	0.00992	U	T
GW-EP20-121504	0.22	YU,U	D	0.394	U	D	2080		D	0.0108	U	D	-0.00615	U	D	0.0422	U	D
GW-EP20-121504	0.759	LT	T	0.97	LT	T	1930		T	0.073	U	T	0.225		T	0.0537	U	T
GW-FD1-120704							8.64	LT	T	-0.00288	U	T	-0.023	U	T	0.00993	U	T
GW-FD2-121304							6.43	U	T	0.0199	U	T	-0.00264	U	T	0.00278	U	T
GW-FD3-121304							712		T	0.00072	U	T	-0.0392	U	T	-0.0121	U	T
GW-FD4-121404	2.22	=	D	1.2	=	D	2.11	UJ	D	0.0326	UJ	D	-0.0677	UJ	D	0.00841	UJ	D
GW-FD4-121404	2.22	=	T	0.867		T	3.03	UJ	T	0.0245	UJ	T	-0.0474	UJ	T	0.00175	UJ	T
GW-FD5-121604							5.65	U	T	0.0526	U	T	0.0977	U	T	0.0415	U	T
GW-FD6-121304							5.7	U	T	0.0451	U	T	0.125	U	T	0	U	T
GW-FD7-122004							6.35	U	T	-0.0154	U	T	-0.0344	U	T	0.00566	U	T
GW-LF08-122104							246		T	0.144	LT	T	0.139	U	T	0.0969	LT	T
GW-LF09-122004							8.52	U	T	0.0317	U	T	-0.0137	U	T	0.00606	U	T
GW-NB31-122104							30.6		T	0.0188	U	T	0.0462	U	T	0.0131	U	T
GW-NB32-122004							17.3	LT	T	-0.0149	U	T	-0.0326	U	T	0.0123	U	T
GW-NB33-122104	2.72		D	0.302	U	D	3.15	U	D	-0.00491	U	D	-0.00565	U	D	0.00479	U	D
GW-NB33-122104	0.331	U	T	0.34	U	T	1.12	U	T	0.0106	U	T	-0.0158	U	T	-0.00178	U	T
GW-NB34-120704							7.36	U	T	0.00782	U	T	-0.0249	U	T	0.007	U	T
GW-NB35-122104							5.94	U	T	0.228		T	0.354		T	0.222		T
GW-NB36-122204							1.44	U	T	0.106	U	T	-0.0372	U	T	0	U	T
GW-NB38-120904							5.06	U	T	0.0863	LT	T	0.0711	U	T	0.0387	LT	T
GW-NB39-121504	0.158	U	D	0.357	U	D	14.8	LT	D	-0.0384	U	D	-0.032	U	D	-0.0102	U	D
GW-NB39-121504	0.0982	U	T	0.335	U	T	7.66	U	T	0.0387	U	T	0.00759	U	T	0.0142	U	T
GW-NB44-120604	0.82	LT	D	0.0486	U	D	4.87	U	D	0.0263	U	D	-0.0277	U	D	0.0119	U	D
GW-NB44-120604	0.617	LT	T	0.37	U	T	1.92	U	T	0.0245	U	T	-0.0153	U	T	0.0067	U	T
GW-NB46-121004							3.59	UJ	T	0.015	UJ	T	0.0234	UJ	T	0.0279	UJ	T

Table H.8 Radionuclides in Groundwater (pCi/L)

Sample ID	Radium 226			Radium-228			Technetium-99			Thorium-228			Thorium-230			Thorium-232		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB50-121604							5.32	U	T	0.0432	U	T	0.0415	U	T	0.0675	LT	T
GW-NB54-122004	0.903	LT	D	0.294	U,M	D	5.23	U	D	-0.0344	U	D	-0.00549	U	D	-0.00327	U	D
GW-NB54-122004	0.588	LT	T	0.313	U	T	2.86	U	T	0.0131	U	T	0.0224	U	T	0.03	U	T
GW-NB56-121604							2.93	U	T	-0.00951	U	T	0.08	U	T	0.00676	U	T
GW-NB57A-121404							2.89	UJ	T	0.0643	UJ	T	-0.0608	UJ	T	0.0237	UJ	T
GW-NB57B-121504							4.48	U	T	0.0247	U	T	0.00207	U	T	0.0166	U	T
GW-NB61-122204	0.117	U	D	0.0746	U	D	1.28	YU,U	D	0.0222	U	D	0.0484	U	D	0.0154	U	D
GW-NB61-122204	0.0529	U	T	0.134	U	T	0.554	U	T	0.0662	U	T	0.0148	U	T	0.0404	U	T
GW-NB63-120704							3.05	U	T	0.0585	U	T	-0.0448	U	T	0.0127	LT	T
GW-NB64-122104							4.07	U	T	-0.0348	U	T	-0.0198	U	T	0.00732	U	T
GW-NB65-122004							2.11	U	T	0.0262	U	T	-0.00358	U	T	0.00656	U	T
GW-NB66-120604							5.08	U	T	-0.00068	U	T	-0.0464	U	T	0.00675	U	T
GW-NB67-120704	0.0683	U	D	-0.0599	U	D	3.15	U	D	0.0432	U	D	-0.0244	U	D	0.00463	U	D
GW-NB67-120704	0.258	LT	T	-0.0879	U	T	3.34	U	T	0.0246	U	T	-0.0319	U	T	0.00439	U	T
GW-NB71-121304							6.2	U	T	0.0312	U	T	-0.0454	U	T	0.016	U	T
GW-NB72-122104							4.06	U	T	0.0371	U	T	0.0027	U	T	0.03	U	T
GW-NB73-122004							13.4	U	T	0.25		T	0.219		T	0.124	LT	T
GW-NB74-121304							7.6	U	T	-0.00565	U	T	0.062	U	T	0.0649	LT	T
GW-NB77-122004							3.65	U	T	0.0925	LT	T	-0.00606	U	T	0.00617	U	T
GW-NB78-122104							3.06	U	T	0.034	U	T	0.0644	U	T	-0.00202	U	T
GW-NB79-121704							-2.83	U	T	-0.0238	U	T	0.00066	U	T	0.0104	U	T
GW-NB80-121704							2.78	U	T	0.0821	U	T	-0.0102	U	T	0.0118	U	T
GW-NB81-120904							3.96	U	T	-0.00545	U	T	-0.04	U	T	0.0206	U	T
GW-NB82-121004							1.48	UJ	T	0.0119	UJ	T	-0.0193	UJ	T	0.0288	UJ	T
GW-NB83-120904							0.864	U	T	0.025	U	T	0.0458	U	T	0.0174	U	T
GW-NB84-120804							3.28	U	T	0.0627	U	T	0.00776	U	T	0.056	LT	T
GW-NB85-120804							4.85	U	T	0.118	U	T	0.0404	U	T	0.0567	U	T
GW-NB86-120804							4.27	U	T	0.0161	U	T	0.06	U	T	0.0665	LT	T
GW-OA19-122104							8.58	U	T	-0.0138	U	T	0.0304	U	T	0.0519	U	T
GW-OB1-121404							5.49	UJ	T	0.0542	UJ	T	-0.0115	UJ	T	0.0342	U	T
GW-OB2-121404							-1.73	UJ	T	0.259	=	T	0.306	=	T	0.241	=	T
GW-PL04-122204							8.99	LT	T	0.0127	U	T	0.0878	U	T	0.0485	U	T
GW-PL06-121504							92.3		T	0.00994	U	T	-0.0661	U	T	0.0107	U	T
GW-PZ3-121704							8.96	U	T	0.00383	U	T	-0.0492	U	T	0.0137	U	T
GW-PZ4-121304							3.04	U	T	0.0722	U	T	-0.05	U	T	0.0272	U	T
GW-RR05-120904							1.71	U	T	0.0109	U	T	-0.0138	U	T	0.0315	U	T
GW-SW07-121004							6.8	U	T	0.098	U	T	0.0334	UJ	T	0.0173	UJ	T
GW-WS14-121604							138		T	0.0866	U	T	0.207		T	0.171	LT	T

Table H.8 Radionuclides in Groundwater (pCi/L)

Sample ID	Radium 226			Radium-228			Technetium-99			Thorium-228			Thorium-230			Thorium-232		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS15-121604							20.9		T	0.118	U	T	0.114	U	T	0.118	LT	T
GW-WS16-121604							24		T	-0.00439	U	T	0.0366	U	T	0.0719	LT	T
GW-WS17B-121704							3610		T	0.0184	U	T	0.0427	U	T	0.131	LT	T
GW-WS22-121304							20	LT	T	0.00729	U	T	-0.0359	U	T	0.011	U	T
GW-WS23-121304							8.09	U	T	0.178	LT	T	0.383		T	0.233		T
GW-WS24-121504							23.8		T	-0.00437	U	T	-0.0399	U	T	0.00285	U	T
GW-WS25-121504							5.68	U	T	0.146	LT	T	0.206		T	0.0947	LT	T
GW-WS26-121504							2.98	U	T	0.128	U	T	-0.00017	U	T	0.00347	U	T
GW-WS27-121504							6.59	U	T	-0.0161	U	T	-0.0304	U	T	0.0263	LT	T
GW-WS28-121604							20.9		T	0.0548	U	T	0.0738	U	T	0.0324	U	T
GW-WS29-121604							4.63	U	T	0.0544	U	T	0.12	U	T	0.0645	U	T
GW-WS30-121604							9.25	U	T	0.0361	U	T	0.0348	U	T	0.0435	U	T
GW-WS31-121604							5.22	U	T	-0.0231	U	T	0.0272	U	T	0.005	U	T
GW-WS32-121704							16.5	LT	T	0.0894	U	T	0.0333	U	T	0.0843	LT	T
GW-WS34-121404							2.67	UJ	T	0.0266	UJ	T	-0.0315	UJ	T	-0.00199	UJ	T
GW-WS7-121304							476		T	0.0258	U	T	0.0031	U	T	0.0204	U	T
GW-WS8-120904							1.23	U	T	0.113	U	T	0.0441	U	T	0.129	LT	T
NB-32-24-34-OL-GW							11	LT	T	-0.0136	U	T	0.00031	U	T	0.0323	U	T
NB-34-22-32-OL-GW							5.98	U	T	0.0221	U	T	-0.0474	U	T	0.0138	U	T
NB-35-24-29-OL-GW							6.2	U	T	0.0422	U	T	0.0883	U	T	0.0388	LT	T

Table H.8 Radionuclides in Groundwater (pCi/L)

Sample ID	Uranium-234			Uranium-235			Uranium-238		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
EP-20-20-30-OL-GW	2.3		T	0.0984	U	T	0.622		T
GW-BD1-121704	8.91		T	0.383		T	1.58		T
GW-BD13-122804	0.153	LT	T	0.0344	U	T	0.0778	LT	T
GW-BD14-122904	0.104	LT	T	-0.00217	U	T	0.0117	U	T
GW-BD16-122204	11.1		T	0.526		T	7.84		T
GW-BD2-121604	8		T	0.427		T	1.61		T
GW-BD3-121704	13.8		T	0.451		T	2.03		T
GW-BD4-121704	1.33		T	0.0705	LT	T	0.41		T
GW-BD5-121504	8.8		T	0.355		T	1.58		T
GW-BD6-121404	2.33	=	T	0.131	J	T	0.352	=	T
GW-BD8-122804	6.17		T	0.179	LT	T	0.681		T
GW-BP17-122204	0.046	LT	T	-0.00199	U	T	0.0335	U	T
GW-BP22A-122804	0.119	LT	D	-0.0017	U	D	0.0634	LT	D
GW-BP22A-122804	0.144	LT	T	0.0287	U	T	0.0893	LT	T
GW-BP22B-122804	0.722		T	0.0463	U	T	0.389		T
GW-BR10JC-121304	2.05		T	0.0401	U	T	0.494		T
GW-BR10OB-120804	0.605		T	0.00528	U	T	0.433		T
GW-BR10RB-121304	4.5		T	0.0116	U	T	0.376		T
GW-BR11JC-121304	2.16		T	0.0138	U	T	0.301		T
GW-BR12JC-120804	3.75		D	0.0526	U	D	0.854		D
GW-BR12JC-120804	4.45		T	0.0719	LT	T	1.21		T
GW-BR12RB-120804	12.5		D	0.0518	LT	D	1.18		D
GW-BR12RB-120804	12.4		T	0.0557	LT	T	1.22		T
GW-BR1JC-120604	2.13		D	0.00035	U	D	0.195	LT	D
GW-BR1JC-121704	1.69		T	0.0576	LT	T	0.527		T
GW-BR1RB-120704	3.78		D	0.0252	LT	D	0.953		D
GW-BR1RB-120704	4.08		T	0.0891	LT	T	1.09		T
GW-BR2JC-120804	1.15		T	0.0167	U	T	0.283		T
GW-BR2RB-120804	3.62		T	0.0634	LT	T	0.769		T
GW-BR3JC-120904	3.42		T	0.057	LT	T	0.66		T
GW-BR3OB-120804	0.438		T	0.0102	U	T	0.315		T
GW-BR3RB-120904	2.07		T	0.0621	U	T	0.242		T
GW-BR4JC-121404	3.78	=	T	0.0496	J	T	0.996	=	T
GW-BR4RB-121004	3.28	=	T	0.0482	J	T	0.19	=	T
GW-BR5JC-121304	1.84		T	0.0209	U	T	0.57		T
GW-BR5RB-121004	5.82	=	T	0.0851	J	T	0.585	=	T
GW-BR6OB-120704	5.65		D	0.251		D	1.56		D
GW-BR6OB-120704	4.81		T	0.19	LT	T	1.38		T

Table H.8 Radionuclides in Groundwater (pCi/L)

Sample ID	Uranium-234			Uranium-235			Uranium-238		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR6RB-120704	7.68		D	0.0623	LT	D	0.601		D
GW-BR6RB-120704	7.91		T	0.0764	LT	T	0.5		T
GW-BR7JC-121504	4.72		T	0.0986	LT	T	1.43		T
GW-BR7RB-121404	5.22	=	T	0.0567	J	T	0.374	=	T
GW-BR8JC-120604	0.726		T	0.00499	U	T	0.21		T
GW-BR8OB-120604	0.499		T	0.0349	U	T	0.388		T
GW-BR8RB-120704	5.78		T	0.0306	U	T	0.246		T
GW-BR9JC-121404	2.57	=	D	0.06	J	D	0.497	=	D
GW-BR9JC-121404	2.53	=	T	0.0507	J	T	0.493	=	T
GW-CB02-121404	0.0806	J	T	0.0214	UJ	T	0.0566	J	T
GW-DM02-122204	315		T	16.5		T	56.3		T
GW-EP15-121004	0.0243	UJ	T	0.0107	UJ	T	0.00198	UJ	T
GW-EP16-121304	0.0453	U	T	-0.00133	U	T	0.0306	U	T
GW-EP20-121504	0.123	LT	D	0.0189	U	D	0.0381	LT	D
GW-EP20-121504	0.108	LT	T	0.0056	U	T	0.0416	U	T
GW-FD1-120704	0.206		T	-0.00225	U	T	0.181	LT	T
GW-FD2-121304	1.68		T	0.0402	U	T	0.502		T
GW-FD3-121304	0.163	LT	T	0.0298	LT	T	0.0824	LT	T
GW-FD4-121404	2.59	=	D	0.0487	J	D	0.55	=	D
GW-FD4-121404	2.68	=	T	0.0336	UJ	T	0.581	=	T
GW-FD5-121604	1.22		T	0.0633	LT	T	0.269		T
GW-FD6-121304	1.84		T	0.0173	U	T	0.473		T
GW-FD7-122004	1.09		T	0.023	U	T	0.316		T
GW-LF08-122104	0.448		T	0.00447	U	T	0.179	LT	T
GW-LF09-122004	1.11		T	0.0257	U	T	0.232		T
GW-NB31-122104	0.121	LT	T	0.021	U	T	0.124	LT	T
GW-NB32-122004	0.36		T	0.0221	U	T	0.177	LT	T
GW-NB33-122104	0.117	LT	D	0.00439	U	D	0.045	U	D
GW-NB33-122104	0.0772	LT	T	0.0181	U	T	0.0673	LT	T
GW-NB34-120704	0.196	LT	T	0.0247	U	T	0.112	LT	T
GW-NB35-122104	0.15	LT	T	0.00032	U	T	0.143	LT	T
GW-NB36-122204	0.115	LT	T	0.00234	U	T	0.0427	LT	T
GW-NB38-120904	0.198	LT	T	0.0205	U	T	0.129	LT	T
GW-NB39-121504	0.556		D	0.042	U	D	0.144	LT	D
GW-NB39-121504	1.2		T	0.0418	U	T	0.179	LT	T
GW-NB44-120604	0.133	LT	D	0.0126	U	D	0.0547	LT	D
GW-NB44-120604	0.0565	LT	T	0.0454	LT	T	0.0842	LT	T
GW-NB46-121004	0.0262	UJ	T	-0.0084	UJ	T	0.0205	UJ	T

Table H.8 Radionuclides in Groundwater (pCi/L)

Sample ID	Uranium-234			Uranium-235			Uranium-238		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB50-121604	0.294		T	0.0455	LT	T	0.252		T
GW-NB54-122004	0.0377	U	D	0.028	LT	D	0.0219	U	D
GW-NB54-122004	0.0183	U	T	0.00889	U	T	0.0421	U	T
GW-NB56-121604	0.0944	LT	T	0.0141	U	T	0.0688	LT	T
GW-NB57A-121404	0.296	=	T	0.0344	J	T	0.117	=	T
GW-NB57B-121504	1.68		T	0.0675	LT	T	0.812		T
GW-NB61-122204	0.00852	U	D	-0.00334	U	D	0.0245	U	D
GW-NB61-122204	0.0751	LT	T	0.0167	U	T	0.0808	LT	T
GW-NB63-120704	0.37		T	0.0157	U	T	0.205		T
GW-NB64-122104	0.233		T	-0.00192	U	T	0.153	LT	T
GW-NB65-122004	0.677		T	0.00663	U	T	0.449		T
GW-NB66-120604	0.742		T	0.0266	U	T	0.374		T
GW-NB67-120704	1.41		D	0.114	LT	D	0.448		D
GW-NB67-120704	1.54		T	0.0673	LT	T	0.622		T
GW-NB71-121304	0.0536	LT	T	0.0244	LT	T	0.0138	U	T
GW-NB72-122104	0.00765	U	T	0.00834	U	T	0.0144	U	T
GW-NB73-122004	0.54		T	0.019	U	T	0.467		T
GW-NB74-121304	0.0684	LT	T	0.0165	U	T	0.0432	LT	T
GW-NB77-122004	0.48		T	0.017	U	T	0.271		T
GW-NB78-122104	1.16		T	0.0393	U	T	0.877		T
GW-NB79-121704	0.0705	U	T	-0.0368	U	T	0.0581	U	T
GW-NB80-121704	0.0307	U	T	0.0136	U	T	0.0552	LT	T
GW-NB81-120904	0.0279	U	T	0.022	U	T	0.00563	U	T
GW-NB82-121004	0.498	=	T	0.00785	UJ	T	0.375	=	T
GW-NB83-120904	0.0557	LT	T	0.0137	U	T	0.0135	U	T
GW-NB84-120804	0.076	LT	T	0.00535	U	T	0.0455	LT	T
GW-NB85-120804	0.217		T	0	U	T	0.169	LT	T
GW-NB86-120804	0.517		T	0.0272	U	T	0.335		T
GW-OA19-122104	3.04		T	0.0856	LT	T	0.58		T
GW-OB1-121404	0.913	=	T	0.043	J	T	0.762	=	T
GW-OB2-121404	0.319	=	T	0.0353	UJ	T	0.346	=	T
GW-PL04-122204	0.112	LT	T	0.00423	U	T	0.0798	LT	T
GW-PL06-121504	0.0372	U	T	0.00066	U	T	0.0739	LT	T
GW-PZ3-121704	0.294		T	0.00914	U	T	0.151	LT	T
GW-PZ4-121304	0.101	LT	T	0.0193	U	T	0.0288	U	T
GW-RR05-120904	0.196	LT	T	0.0245	U	T	0.114	LT	T
GW-SW07-121004	0.122	U	T	0.00951	UJ	T	0.121	J	T
GW-WS14-121604	1.36		T	0.053	LT	T	0.327		T

Table H.8 Radionuclides in Groundwater (pCi/L)

Sample ID	Uranium-234			Uranium-235			Uranium-238		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS15-121604	1.95		T	0.107	LT	T	0.486		T
GW-WS16-121604	0.0798	LT	T	-0.00411	U	T	0.0314	U	T
GW-WS17B-121704	0.478		T	0.0265	LT	T	0.102	LT	T
GW-WS22-121304	0.00923	U	T	0.00441	U	T	0.0127	U	T
GW-WS23-121304	0.0942	LT	T	0.0167	U	T	0.108	LT	T
GW-WS24-121504	172		T	7.57		T	26.6		T
GW-WS25-121504	0.729		T	0.0519	LT	T	0.485		T
GW-WS26-121504	19		T	0.675		T	10.9		T
GW-WS27-121504	0.62		T	0.042	U	T	0.426		T
GW-WS28-121604	0.403		T	0.0209	U	T	0.287		T
GW-WS29-121604	0.0627	LT	T	0.0275	LT	T	0.0352	U	T
GW-WS30-121604	6.03		T	0.161	LT	T	1.72		T
GW-WS31-121604	1.05		T	0.0225	U	T	0.203		T
GW-WS32-121704	0.167	LT	T	0.00747	U	T	0.0628	LT	T
GW-WS34-121404	0.0212	UJ	T	0.0271	UJ	T	0.00364	UJ	T
GW-WS7-121304	12.6		T	0.532		T	1.95		T
GW-WS8-120904	0.381		T	0.0148	U	T	0.155	LT	T
NB-32-24-34-OL-GW	1.34		T	0.091	LT	T	0.843		T
NB-34-22-32-OL-GW	0.394		T	0.0302	U	T	0.0911	U	T
NB-35-24-29-OL-GW	0.335		T	0.0835	U	T	0.193	LT	T

Table H.9 Radionuclides in Sediment (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241			Antimony-124			Antimony-125			Beryllium-7		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS	1.56	G	0.798	-0.0446	U,G	0.19	0.128	U,G	0.526	-0.0601	U,G	0.237	-0.0158	U,G	0.379	0.779	U,G	1.7
SW-02-SS	0.505	U	0.671	0.0122	UJ	0.165	-0.124	UJ	0.726	-0.121	UJ	0.239	0.128	UJ	0.313	0.281	UJ	1.29
SW-03-SS	0.862	U	1.1	0.0648	UJ	0.393	-0.0202	UJ	0.33	-0.017	UJ	0.363	-0.0995	UJ	0.649	0.655	UJ	2.64
SW-04-SS	0.784	=	0.576	-0.0785	UJ	0.226	-0.107	UJ	0.775	-0.156	UJ	0.268	0.0286	UJ	0.367	0.955	U	1.33
SW-05-SS	0.803	U	1.03	0.0217	UJ	0.329	-0.491	UJ	1.15	-0.0465	UJ	0.321	0.0103	UJ	0.73	-0.323	UJ	2.33
SW-06-SS	4.63	=	1.07	-0.115	UJ	0.595	0.223	UJ	0.772	0.0671	UJ	0.386	-0.0694	UJ	0.748	0.517	UJ	2.9
SW-07-SS	1.25	G	0.737	0.0302	U,G	0.183	-0.181	U,G	1.61	-0.0877	U,G	0.285	0.179	U,G	0.414	0.253	U,G	1.92
SW-08-SS	0.0826	U	0.348	-0.0178	U	0.114	0.045	U	0.119	-0.0085	U	0.11	-0.0378	U	0.232	0.0424	U	0.77
SW-08-SS-FD	0.226	U,G	0.36	-0.0556	U,G	0.154	0.117	U,G	0.404	0.0266	U,G	0.104	-0.0241	U,G	0.177	0.195	U,G	0.796
SW-10-SS	0.594	G,TI	0.551	-0.0245	U,G	0.156	0.0695	U,G	0.187	0.0555	U,G	0.227	-0.0131	U,G	0.301	0.997	U,G	1.16
SW-11-SS	1.06	G	0.439	-0.0558	U,G	0.189	0.0256	U,G	0.205	-0.0322	U,G	0.183	-0.0834	U,G	0.315	0.726	U,G	1.25
SW-12-SS	0.666	G,TI	0.445	0.0134	U,G	0.128	-0.0943	U,G	0.23	0.059	U,G	0.192	0.22	U,G	0.239	0.797	U,G	1.33
SW-13-SS	0.632	G,TI	0.442	0.0605	U,G	0.0993	0.142	U,G	0.655	-0.0255	U,G	0.195	-0.0438	U,G	0.353	-0.105	U,G	1.61
SW-14-SS	0.0145	U,G	0.42	0.043	U,G	0.0784	-0.00353	U,G	0.132	-0.0194	U,G	0.147	-0.0394	U,G	0.216	0.0513	U,G	0.93
SW-15-SS	0.576	G	0.473	-0.00548	U,G	0.129	-0.223	U,G	0.591	-0.0686	U,G	0.208	-0.0424	U,G	0.278	0.442	U,G	1.31
SW-16-SS	0.0538	U,G	0.501	0.02	U,G	0.027	-0.00306	U,G	0.136	0.054	U,G	0.115	0.0107	U,G	0.228	-0.0557	U,G	1.05
US-04-SS	0.614	G	0.449	-0.0358	U,G	0.168	-0.00185	U,G	0.195	-0.114	U,G	0.21	0.106	U,G	0.248	0.071	U,G	1.59
US-05-SS	0.143	U,G	0.432	-0.0363	U,G	0.185	0.0628	U,G	0.141	0	U,G	0.171	-0.0171	U,G	0.223	-0.392	U,G	1.35
Sample ID	**Bismuth-212**			**Bismuth-214**			**Cadmium-109**			**Cerium-139**			**Cerium-144**			**Cesium-134**		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS	2.18	U,G	2.36	1.1	G,J	0.37	2.65	U,G	3.36	-0.141	U,G	0.372	-0.523	U,G	1.23	-0.0168	U,G	0.167
SW-02-SS	0.692	UJ	1.99	0.181	UJ	0.339	0.328	UJ	3.25	0.0166	UJ	0.11	0.0301	UJ	0.686	0.0206	UJ	0.241
SW-03-SS	1.6	UJ	3.53	0.83	J	0.734	-0.0633	UJ	3.15	0.0119	UJ	0.149	-0.072	UJ	0.952	0.0142	UJ	0.294
SW-04-SS	1.94	U	1.99	0.991	=	0.339	0	UJ	3.87	0.0273	UJ	0.126	-0.189	UJ	0.845	-0.0696	UJ	0.288
SW-05-SS	-0.451	UJ	4.67	0.62	U	0.782	2.8	U	3.27	-0.0954	UJ	0.177	-0.423	UJ	1.1	-0.0903	UJ	0.29
SW-06-SS	7.09	J	4.82	0.994	J	0.783	33.2	=	6.97	0.213	UJ	0.676	-0.568	UJ	2.43	-0.0558	UJ	0.349
SW-07-SS	0.415	U,G	2.6	1.02	G,J	0.463	14.7	G,SI	7.15	0.00954	U,G	0.188	-0.416	U,G	1.47	-0.0161	U,G	0.198
SW-08-SS	0.304	U	1.04	0.309	J	0.191	0.524	U	0.905	-0.00838	U	0.06	-0.0789	U	0.342	-0.0307	U	0.0886
SW-08-SS-FD	0.336	U,G	1.26	0.287	G,J	0.2	-0.555	U,G	2	-0.00499	U,G	0.0564	-0.115	U,G	0.391	0.0195	U,G	0.0761
SW-10-SS	0.276	U,G	2.02	0.726	G,J	0.272	1.71	U,G	2.13	0.0394	U,G	0.0975	0.00902	U,G	0.541	-0.0768	U,G	0.175
SW-11-SS	0.671	U,G	1.84	0.565	G,J	0.254	0.966	U,G	1.05	-0.00828	U,G	0.0946	0.186	U,G	0.517	0.0304	U,G	0.106
SW-12-SS	-0.0284	U,G	2.13	0.491	G,J	0.293	0.225	U,G	1.92	-0.00684	U,G	0.107	0.141	U,G	0.602	0.052	U,G	0.122
SW-13-SS	0.676	U,G	1.82	1	G,J	0.289	1.9	U,G	3.03	-0.0304	U,G	0.096	-0.244	U,G	0.614	-0.0168	U,G	0.129
SW-14-SS	0	U,G	1.21	0.276	G,J	0.174	0.624	U,G	1.18	-0.03	U,G	0.0714	0.0318	U,G	0.35	-0.0211	U,G	0.0977
SW-15-SS	1.1	U,G	1.54	0.727	G,J	0.294	1.14	U,G	2.55	-0.00142	U,G	0.0849	-0.197	U,G	0.6	-0.0542	U,G	0.137
SW-16-SS	0.603	U,G	1.13	0.239	G,J	0.166	0.0114	U,G	1.48	-0.0425	U,G	0.0794	0.0074	U,G	0.353	-0.0486	U,G	0.103
US-04-SS	0.481	U,G	1.9	0.497	G,J	0.267	1.39	U,G	1.53	0.0396	U,G	0.0932	-0.126	U,G	0.64	0.0174	U,G	0.113
US-05-SS	-0.0908	U,G	1.55	0.185	U,G,J	0.234	-0.0225	U,G	1.5	0.00551	U,G	0.0716	-0.097	U,G	0.442	0.0416	U,G	0.0979

Table H.9 Radionuclides in Sediment (pCi/g)

Sample ID	Cesium-137			Chromium-51			Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS	0.201	LT,G	0.124	0.0131	U,G	2.43	0.314	U,G	0.432	0.115	U,G	0.217	-0.0625	U,G	0.255	0.0905	U,G	0.132
SW-02-SS	0.0727	UJ	0.144	-0.796	UJ	1.57	0.132	UJ	0.316	-0.0276	UJ	0.093	-0.056	UJ	0.186	0	UJ	0.177
SW-03-SS	-0.0349	UJ	0.402	0.87	UJ	2.28	0.329	U	0.436	-0.00894	UJ	0.126	-0.108	UJ	0.352	0.0291	UJ	0.314
SW-04-SS	0.0269	UJ	0.171	-0.337	UJ	1.75	0.0218	UJ	0.403	-0.00826	UJ	0.11	-0.106	UJ	0.21	-0.0175	UJ	0.191
SW-05-SS	0.158	UJ	0.274	0.337	UJ	2.4	0.409	UJ	0.717	0.084	U	0.119	-0.168	UJ	0.419	-0.0603	UJ	0.356
SW-06-SS	0.318	U	0.349	-1.78	UJ	3.72	0.0926	UJ	0.871	0.343	J	0.26	0.0639	UJ	0.347	0.0574	UJ	0.376
SW-07-SS	0.154	U,G	0.2	-0.89	U,G	3.07	0.312	U,G	0.481	0.0812	U,G	0.116	-0.0438	U,G	0.254	-0.00598	U,G	0.205
SW-08-SS	-0.00692	U	0.0894	0.165	U	1.08	0.0568	U	0.187	0.00998	U	0.0373	0.0374	U	0.0749	-0.0181	U	0.11
SW-08-SS-FD	0.0281	U,G	0.0882	-0.144	U,G	1.22	0.0453	U,G	0.16	0.021	U,G	0.0476	0.022	U,G	0.0811	-0.00174	U,G	0.11
SW-10-SS	0.0592	U,G	0.116	-0.443	U,G	2.44	0.196	U,G	0.317	-0.0194	U,G	0.0764	-0.00946	U,G	0.184	0.0556	U,G	0.109
SW-11-SS	0.115	U,G	0.128	0.303	U,G	1.89	0.0317	U,G	0.366	0.00902	U,G	0.0618	0.00861	U,G	0.173	-0.0066	U,G	0.154
SW-12-SS	0.0321	U,G	0.175	0.259	U,G	2.54	0	U,G	0.364	-0.0102	U,G	0.078	-0.0329	U,G	0.207	0.0124	U,G	0.186
SW-13-SS	0.12	LT,G,T	0.116	-1.05	U,G	2.36	0.137	U,G	0.363	0.0141	U,G	0.0814	0.0173	U,G	0.186	0.0224	U,G	0.102
SW-14-SS	-0.00191	U,G	0.0953	-0.164	U,G	1.51	0.0812	U,G	0.2	0.0101	U,G	0.0462	-0.0363	U,G	0.15	-0.0182	U,G	0.108
SW-15-SS	0.15	LT,G	0.127	0	U,G	2.31	0.0192	U,G	0.31	-0.00406	U,G	0.0717	-0.0298	U,G	0.173	-0.0451	U,G	0.144
SW-16-SS	0.0026	U,G	0.1	-0.238	U,G	1.59	0.0828	U,G	0.277	-0.00062	U,G	0.0454	-0.0708	U,G	0.158	-0.0204	U,G	0.124
US-04-SS	0.0338	U,G	0.125	-0.649	U,G	2.31	0.13	U,G	0.377	-0.00454	U,G	0.0713	-0.0492	U,G	0.191	0.0553	U,G	0.103
US-05-SS	0.007	U,G	0.1	-0.612	U,G	1.87	0.178	U,G	0.237	0.00613	U,G	0.0593	-0.00957	U,G	0.156	-0.0297	U,G	0.14

Sample ID	Europium-152			Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS	-0.164	U,G	0.832	-0.565	U,G	1.61	0.747	G	0.739	0.116	U,G	1.91	-0.0554	U,G	0.591	2.17	G	0.28
SW-02-SS	-0.0494	UJ	0.955	-0.168	UJ	0.904	-0.182	UJ	0.439	-0.377	UJ	0.627	0.112	UJ	0.327	0.446	=	0.28
SW-03-SS	-0.582	UJ	1.91	-0.615	UJ	2.05	0.0574	UJ	0.391	-0.499	UJ	1.24	0.27	UJ	0.551	0.994	=	0.387
SW-04-SS	0.103	UJ	0.787	0.32	UJ	0.825	0.121	UJ	0.474	0.0152	UJ	0.666	0.0467	UJ	0.402	0.747	=	0.35
SW-05-SS	-0.124	UJ	1.63	-0.216	UJ	1.96	0.662	J	0.414	0	UJ	0.947	0.0491	UJ	0.589	0.844	=	0.426
SW-06-SS	0.287	UJ	1.88	0.121	UJ	1.71	1.59	J	1.38	-0.806	UJ	1.45	-0.178	UJ	1.11	4.89	=	0.615
SW-07-SS	0.426	U,G	0.764	-1.08	U,G	2.09	0.329	U,G	0.93	0.252	U,G	1.84	0.206	U,G	0.45	1.7	G	0.295
SW-08-SS	0.0519	U	0.407	-0.00512	U	0.507	0.0209	U	0.142	-0.0798	U	0.932	0.0166	U	0.218	0.122		0.109
SW-08-SS-FD	0.0344	U,G	0.32	-0.154	U,G	0.514	0.107	U,G	0.173	-0.285	U,G	0.937	-0.0333	U,G	0.235	0.225	G	0.134
SW-10-SS	-0.103	U,G	0.79	0.127	U,G	0.756	0.159	U,G	0.245	-0.242	U,G	3.07	-0.106	U,G	0.519	0.512	G	0.238
SW-11-SS	0.00724	U,G	0.625	0.0354	U,G	0.663	0.0388	U,G	0.246	-0.708	U,G	3.13	0	U,G	0.404	0.961	G	0.158
SW-12-SS	0.246	U,G	0.571	0.0534	U,G	0.848	-0.0152	U,G	0.272	-0.153	U,G	3.8	0.118	U,G	0.469	0.362	G	0.205
SW-13-SS	0.196	U,G	0.644	0.132	U,G	0.735	0.192	U,G	0.328	1.5	U,G	2.91	0	U,G	0.389	0.805	G	0.191
SW-14-SS	0.0419	U,G	0.517	-0.133	U,G	0.526	-0.0868	U,G	0.18	0.13	U,G	2.33	0.0207	U,G	0.344	0.112	U,G	0.15
SW-15-SS	0.086	U,G	0.606	0.0772	U,G	0.727	0.0975	U,G	0.263	0.571	U,G	3.12	-0.0748	U,G	0.486	0.653	G	0.181
SW-16-SS	0.026	U,G	0.393	0.049	U,G	0.431	0.0303	U,G	0.189	0.58	U,G	2.24	0.112	U,G	0.316	0.208	G	0.142
US-04-SS	0.11	U,G	0.403	0.238	U,G	0.572	0.0258	U,G	0.268	0.0678	U,G	3.11	-0.171	U,G	0.479	0.534	G	0.212
US-05-SS	0	U,G	0.59	0.0427	U,G	0.602	0.0438	U,G	0.183	-0.943	U,G	3.33	0.0806	U,G	0.214	0.136	G	0.132

Table H.9 Radionuclides in Sediment (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94			Niobium-95		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS	1.37	G,J	0.332	0	U,G	0.194	0.0331	LT	0.0235	-0.0566	U,G	0.322	0.014	U,G	0.182	0.345	G,SI	0.31
SW-02-SS	0.572	=	0.273	0	UJ	0.17	0	U	0.0103	-1.02	UJ	19.8	0.0201	UJ	0.147	-0.0266	UJ	0.178
SW-03-SS	0.809	=	0.476	-0.198	UJ	0.394				-0.947	UJ	27.1	0.0441	UJ	0.301	-0.0207	UJ	0.355
SW-04-SS	0.905	=	0.305	-0.0793	UJ	0.195				0.0557	UJ	0.257	0.014	UJ	0.179	-0.0449	UJ	0.202
SW-05-SS	1.22	=	0.524	-0.0235	UJ	0.335				0.0903	UJ	0.385	-0.0433	UJ	0.272	-0.0186	UJ	0.317
SW-06-SS	1.13	=	0.607	-0.0721	UJ	0.434				0.00313	UJ	0.631	0.162	UJ	0.343	0.184	UJ	0.471
SW-07-SS	1.51	G,J	0.405	0.025	U,G	0.222	0.0263	LT	0.0235	0.083	U,G	0.291	0.0264	U,G	0.202	0.28	U,G	0.294
SW-08-SS	0.291	J	0.155	0.0202	U	0.0843				0.0179	U	0.113	0	U	0.0896	-0	U	0.0917
SW-08-SS-FD	0.426	G,J	0.151	0.0179	U,G	0.0658				-0.754	U,G	9.05	0.00426	U,G	0.0773	-0.00077	U,G	0.111
SW-10-SS	0.746	G,J	0.271	-0.0427	U,G	0.171				0.0545	U,G	0.194	0.0116	U,G	0.136	0.0656	U,G	0.188
SW-11-SS	0.68	G,J	0.245	0.013	U,G	0.142				-1.19	U,G	14.8	0.058	U,G	0.115	0.017	U,G	0.209
SW-12-SS	0.33	G,J	0.26	-0.0275	U,G	0.138				-0.103	U,G	0.267	-0.016	U,G	0.134	-0.0507	U,G	0.227
SW-13-SS	0.967	G,J	0.205	-0.0232	U,G	0.176	-0.00086	U	0.0177	-0.0984	U,G	0.234	-0.0425	U,G	0.143	0.00368	U,G	0.206
SW-14-SS	0.308	G,J	0.148	-0.0215	U,G	0.105				-0.54	U,G	9.67	-0.0131	U,G	0.0928	-0.0144	U,G	0.125
SW-15-SS	0.955	G,J	0.245	0.0319	U,G	0.118				0.00718	U,G	0.18	0.0478	U,G	0.119	0.00329	U,G	0.185
SW-16-SS	0.3	G,J	0.172	0.0584	U,G	0.0926				-7.1	U,G	11.2	-0.00472	U,G	0.103	-0.0312	U,G	0.142
US-04-SS	0.523	G,J	0.245	0.0174	U,G	0.139				-0.204	U,G	14.5	-0.0103	U,G	0.134	-0.0142	U,G	0.202
US-05-SS	0.19	U,G,J	0.231	-0.0142	U,G	0.116				-0.0495	U,G	0.176	-0.0519	U,G	0.134	-0.0378	U,G	0.162
Sample ID	**Plutonium 238 (A)**			**Plutonium 239/240 (A)**			**Potassium-40**			**Protactinium-234**			**Ruthenium-106**			**Scandium 46**		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS	0.00189	U	0.0128	0.00625	U	0.0104	17.5	G	2.18	44.7	G	31.2	-0.26	U,G	1.82	-0.0064	U,G	0.242
SW-02-SS	0.00171	U	0.0046	0.00181	U	0.0123	7.87	=	2.24	-2.69	UJ	26.3	-0.0157	UJ	1.45	-0.0223	UJ	0.166
SW-03-SS							8.68	=	4.51	7.46	UJ	48.9	-0.295	UJ	2.77	0.0914	UJ	0.381
SW-04-SS							11.2	=	2.38	4.07	UJ	26.9	0.698	UJ	1.49	-0.019	UJ	0.201
SW-05-SS							9.44	=	3.56	32.7	U	42.8	0.803	UJ	2.33	0.0101	UJ	0.249
SW-06-SS							12.1	=	2.71	95.8	=	39	-0.436	UJ	3.09	-0.225	UJ	0.529
SW-07-SS	0.00892	LT	0.0048	0.00003	U	0.013	14.8	G	2.96	65.6	G	28.2	0.337	U,G	1.98	-0.00133	U,G	0.207
SW-08-SS							0.388	U	1.17	0.697	U	14.7	0.206	U	0.651	-0.00574	U	0.113
SW-08-SS-FD							1.86	G	1.43	3.73	U,G	12.2	0.0409	U,G	0.797	0.0238	U,G	0.0906
SW-10-SS							10.1	G	1.66	-5.12	U,G	22.8	0.198	U,G	1.15	-0.0477	U,G	0.177
SW-11-SS							10.3	G	1.44	-0.776	U,G	23.5	-0.116	U,G	1.25	0.0895	U,G	0.138
SW-12-SS							6.95	G	1.85	-4.83	U,G	22.7	0.0689	U,G	1.34	-0.0716	U,G	0.24
SW-13-SS	0	U	0.0047	0.0061	U	0.0104	11.5	G	1.69	-1.33	U,G	18.8	0.297	U,G	1.19	-0.0269	U,G	0.181
SW-14-SS							0.593	U,G	1.25	7.13	U,G	12	-0.229	U,G	0.834	-0.0372	U,G	0.141
SW-15-SS							10.4	G	1.57	6.99	U,G	20.3	0	U,G	1.11	-0.0408	U,G	0.167
SW-16-SS							2.17	G	1.12	-1.3	U,G	16.5	0.619	U,G	0.651	-0.00791	U,G	0.147
US-04-SS							6.79	G	1.46	-14.4	U,G	27	-0.246	U,G	1.16	0.0425	U,G	0.128
US-05-SS							2.53	G	1.1	-3.86	U,G	19.3	0.331	U,G	0.92	-0.0194	U,G	0.145

Table H.9 Radionuclides in Sediment (pCi/g)

Sample ID	Silver-110			Sodium-22			Technetium-99			Thallium-208			Thorium-227 (G)			Thorium-228 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS	-0.043	U,G	0.207	0.0693	U,G	0.218	255		0.887	0.52	G	0.184	2.54	U,G	20.5			
SW-02-SS	-0.0508	UJ	0.164	0.00325	UJ	0.188	1.36	=	0.892	0.0678	UJ	0.159	-1.2	UJ	1.63	0.64	=	0.0873
SW-03-SS	-0.0762	UJ	0.347	0.0562	UJ	0.369	2.8	=	0.89	0.147	UJ	0.281	-0.0469	UJ	1.1	0.816	=	0.0668
SW-04-SS	0.0189	UJ	0.156	-0.0272	UJ	0.222	1.91	=	0.781	0.261	=	0.179	-2.26	UJ	1.98	0.938	=	0.117
SW-05-SS	-0.0746	UJ	0.3	0.0387	UJ	0.307	16.8	=	1.03	0.217	U	0.252	-0.678	UJ	1.72	0.859	=	0.101
SW-06-SS	-0.0203	UJ	0.394	0.0554	UJ	0.482	284	=	0.834	1.73	=	0.375	0.0462	UJ	1.75	5.3	=	0.132
SW-07-SS	-0.0083	U,G	0.206	0.00842	U,G	0.178	36.3		0.991	0.327	G	0.189	-0.152	U,G	1.42			
SW-08-SS	-0.0248	U	0.0874	-0.0176	U	0.108	0.0218	U	0.723	0.0153	U	0.102	-0.0292	U	0.392			
SW-08-SS-FD	0.00972	U,G	0.0828	0.00408	U,G	0.0865	0.0243	U	0.772	0.0476	U,G	0.0706	-0.0443	U,G	0.598			
SW-10-SS	-0.0435	U,G	0.146	-0.0284	U,G	0.188	0.463	U	0.812	0.105	U,G	0.131	0.302	U,G	0.513			
SW-11-SS	0.0174	U,G	0.164	0.0567	U,G	0.118	0.188	U	0.829	0.278	G	0.106	0.0183	U,G	0.538			
SW-12-SS	-0.0616	U,G	0.175	-0.0848	U,G	0.202	4.36		0.982	0.141	G,TI	0.123	0	U,G	0.64			
SW-13-SS	-0.0805	U,G	0.18	0.0928	U,G	0.136	1.54	LT	1.11	0.326	G	0.146	0.0631	U,G	0.661			
SW-14-SS	-0.0208	U,G	0.0988	0.0261	U,G	0.0897	-0.23	U	0.791	-0.0328	U,G	0.113	0.0907	U,G	0.371			
SW-15-SS	0.0414	U,G	0.145	-0.0428	U,G	0.159	0.166	U	0.893	0.152	G	0.117	0.0369	U,G	0.777			
SW-16-SS	-0.0283	U,G	0.104	-0.0445	U,G	0.136	0.352	U	0.783	0.0745	U,G	0.0766	0.0656	U,G	0.433			
US-04-SS	-0.0401	U,G	0.152	-0.0864	U,G	0.217	-0.166	U	0.81	0.144	U,G	0.151	-0.226	U,G	0.808			
US-05-SS	-0.0118	U,G	0.102	0.0291	U,G	0.0899	-0.0197	U	0.834	0.0339	U,G	0.102	-0.0184	U,G	0.423			

Sample ID	Thorium-230 (A)			Thorium-232 (A)			Thorium-234 (G)			Uranium-234 (A)			Uranium-235 (A)			Uranium-235 (G)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS							39.4	G	3.79	236	M3	0.127	10.6		0.0392	12.2	G	2.19
SW-02-SS	0.73	=	0.0898	0.553	=	0.0379	0.948	UJ	1.9	3.99	=	0.0293	0.175	=	0.0162	-0.265	UJ	0.778
SW-03-SS	0.689	=	0.0888	0.614	=	0.0324	1.06	UJ	2.71	7.92	=	0.0284	0.402	=	0.0305	0.436	UJ	0.945
SW-04-SS	1.25	=	0.1	0.766	=	0.0586	0.714	UJ	1.88	2.8	=	0.0306	0.093	J	0.0319	0.2	UJ	0.896
SW-05-SS	1.07	=	0.102	0.94	=	0.048	5.69	=	4.97	19.1	=	0.0291	0.785	=	0.0318	0.867	U	1.08
SW-06-SS	3.41	=	0.148	5.07	=	0.0374	86.9	=	6.7	937	=	0.0336	41.7	=	0.0395	37.3	=	2.05
SW-07-SS							60.5	G	5.52	291		0.0501	14.1		0.0205	14.8	G	2.38
SW-08-SS							0.268	U	0.751	0.331		0.0182	0.0143	U	0.0342	0.216	U	0.264
SW-08-SS-FD							0.393	U,G	1.42	0.32		0.0159	0.00499	U	0.0225	-0.114	U,G	0.355
SW-10-SS							0.48	U,G	1.54	0.468		0.0187	0.0226	U	0.0264	0.204	U,G	0.556
SW-11-SS							1.27	U,G	1.38	1.12		0.0196	0.0161	U	0.023	-0.00775	U,G	0.542
SW-12-SS							0.625	U,G	1.33	1.47		0.031	0.076	LT	0.0214	0.343	U,G	0.569
SW-13-SS							-0.432	U,G	2.01	0.989		0.0172	0.0488	LT	0.0202	0.224	U,G	0.507
SW-14-SS							0.546	U,G	0.966	0.25		0.0167	0.024	LT	0.0236	0.22	U,G	0.295
SW-15-SS							0.987	U,G	1.94	0.548		0.0164	0.0272	LT	0.0232	0.108	U,G	0.459
SW-16-SS							0.288	U,G	1.06	0.28		0.0239	0.0194	U	0.0261	-0.0741	U,G	0.367
US-04-SS							0.193	U,G	0.929	0.265		0.0251	0.0265	LT	0.0262	-0.017	U,G	0.553
US-05-SS							0.535	U,G	0.765	0.229		0.0224	0.0172	U	0.024	0.106	U,G	0.395

Table H.9 Radionuclides in Sediment (pCi/g)

Sample ID	Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL
SW-01-SS	29.5	M3	0.11	0.129	U,G	0.419
SW-02-SS	1.03	=	0.0235	-0.0231	UJ	0.441
SW-03-SS	1.39	=	0.0191	-0.208	UJ	0.98
SW-04-SS	0.952	=	0.0271	-0.197	UJ	0.519
SW-05-SS	3.33	=	0.031	0.0442	UJ	0.663
SW-06-SS	84.6	=	0.0336	-0.1	UJ	0.927
SW-07-SS	41.4		0.054	0.106	U,G	0.375
SW-08-SS	0.299		0.0219	-0.0515	U	0.275
SW-08-SS-FD	0.283		0.0255	-0.245	U,G	0.316
SW-10-SS	0.517		0.0224	-0.274	U,G	0.474
SW-11-SS	0.599		0.0084	-0.183	U,G	0.447
SW-12-SS	0.566		0.0242	-0.123	U,G	0.48
SW-13-SS	0.593		0.0206	-0.0756	U,G	0.368
SW-14-SS	0.244		0.0248	-0.124	U,G	0.278
SW-15-SS	0.619		0.0197	-0.2	U,G	0.392
SW-16-SS	0.262		0.0254	0.015	U,G	0.272
US-04-SS	0.322		0.0222	-0.161	U,G	0.494
US-05-SS	0.262		0.0257	0.00186	U,G	0.329

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241			Antimony-124			Antimony-125			Beryllium-7		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-09-00-SL	0.242	U,G	0.798	-0.0333	U,G	0.261	0.0317	U,G	1.26	0.0888	U,G	0.258	0.0153	U,G	0.51	-0.424	U,G	2.1
BD-10-00-SL	0.342	U,G	0.669	0.0413	U,G	0.162	3.8	U,G	4.33	-0.0329	U,G	0.295	-0.0261	U,G	0.533	0.689	U,G	2.56
BD-11-00-SL	0.795	G	0.686	0.0463	U,G	0.0959	1.66	U,G	1.95	-0.0168	U,G	0.3	-0.14	U,G	0.505	0.894	U,G	2.4
BD-12-00-SL	1.81	G,TI	0.986	-0.0283	U,G	0.332	1.94	U,G	2.2	-0.0538	U,G	0.458	-0.082	U,G	0.756	-0.891	U,G	3.45
BP-01-00-SL	0.977	U,G	1.14	0.0594	U,G	0.257	0.0449	U,G	0.25	0	U,G	0.326	-0.0765	U,G	0.573	0.127	U,G	2.55
BP-02-00-SL	0.587	G,TI	0.542	0.00776	U,G	0.118	-0.0768	U,G	0.651	-0.00792	U,G	0.198	0.0129	U,G	0.32	-0.185	U,G	1.59
BP-03-00-SL	0.866	G	0.613	-0.0233	U,G	0.182	0.26	U,G	0.549	-0.0571	U,G	0.247	-0.104	U,G	0.358	-0.0771	U,G	1.73
BP-04-00-SL	0.915	G,TI	0.614	0	U,G	0.0435	0.0104	U,G	0.27	-0.00985	U,G	0.246	-0.0351	U,G	0.35	-1.12	U,G	2.38
BP-05-00-SL	1.27	G	0.552	0.00388	U,G	0.153	-0.0418	U,G	0.646	0.0396	U,G	0.202	-0.015	U,G	0.328	0.174	U,G	1.46
BP-06-00-SL	0.793	G	0.382	0.0169	U,G	0.139	0.0781	U,G	0.251	0.0498	U,G	0.203	0.297	U,G	0.318	0.765	U,G	1.46
BP-07-00-SL	1.27	G	0.656	-0.0465	U,G	0.198	0.566	U,G	0.598	-0.0301	U,G	0.284	0.023	U,G	0.453	0.518	U,G	2.03
BP-08-00-SL	36.4	G	1.06	0.0197	U,G	0.324	-0.089	U,G	0.846	-0.0635	U,G	0.477	0.0314	U,G	0.859	-0.444	U,G	4.2
BP-09-00-SL	1.15	G	0.611	0.0336	U,G	0.157	0.136	U,G	0.27	-0.112	U,G	0.267	0	U,G	0.412	0.0723	U,G	1.7
BP-10-00-SL	1.18	G	0.597	-0.00426	U,G	0.129	0.168	U,G	0.714	0.0178	U,G	0.209	-0.0966	U,G	0.393	0.159	U,G	1.79
BP-11-00-SL	1.45	G	0.634	0.0321	U,G	0.194	-0.188	U,G	0.334	-0.0241	U,G	0.271	0.168	U,G	0.366	0.49	U,G	2.15
BP-12-00-SL	1.42	G	0.517	0.0281	U,G	0.179	-0.143	U,G	0.282	-0.00831	U,G	0.257	0.179	U,G	0.329	-0.47	U,G	2.14
CB-01-00-SL	1.26	=	0.981	-0.0524	UJ	0.269	-0.142	UJ	1.11	-0.122	UJ	0.339	0.186	UJ	0.488	0.382	UJ	1.7
CB-01-00-SL-FD	0.785	U	0.91	0.168	J	0.0758	0.162	UJ	1.11	0.0534	UJ	0.26	0.204	UJ	0.465	0.818	UJ	1.73
DM-01-00-SL	31.6	G	1.93	-0.22	U,G	0.755	2.3	G,TI	1.51	0.26	U,G	0.757	-0.216	U,G	1.28	1.21	U,G	6.7
DM-02-00-SL	-0.0535	U,G	0.987	0.0378	U,G	0.161	2.94	G,TI	2.26	0.253	U,G	0.528	0.0957	U,G	1.02	0.427	U,G	5.08
EP-01-00-SL	1.91	G	1.1	-0.0334	U,G	0.262	0.859	U,G	2.69	-0.0148	U,G	0.392	0.123	U,G	0.543	-1.16	U,G	3.04
EP-02-00-SL	1.68	G,TI	1.52	-0.0116	U,G	0.352	0.91	U,G	1.03	-0.0802	U,G	0.45	0.0264	U,G	0.691	1.6	U,G	2.78
EP-03-00-SL	1.29	G	0.488	0.0629	U,G	0.112	0.226	U,G	1.02	-0.0309	U,G	0.228	0.0471	U,G	0.314	0.331	U,G	1.55
EP-04-00-SL	2.75	G	1.64	0.11	U,G	0.308	3.12	G,TI	1.64	0.447	U,G	0.581	-0.282	U,G	1.12	-2.32	U,G	6.58
EP-04-00-SL-FD	3.9	G	0.802	0.0968	U,G	0.144	2.79	G,TI	1.71	0.089	U,G	0.394	0.0429	U,G	0.677	0.967	U,G	3.1
EP-05-00-SL	1.13	G	0.609	-0.0438	U,G	0.188	0.0573	U,G	0.624	0.0521	U,G	0.213	0.0259	U,G	0.371	-0.811	U,G	2.07
EP-06-00-SL	0.4	U,G	1.42	-0.046	U,G	0.348	1.04	G,TI	0.786	0.1	U,G	0.391	-0.0486	U,G	0.499	0.48	U,G	3.12
EP-07-00-SL	0.648	U,G	1.21	0.0276	U,G	0.418	0.0915	U,G	0.303	-0.0722	U,G	0.499	0.157	U,G	0.599	-0.961	U,G	4.2
EP-08-00-SL	0.836	U,G	0.86	0.0199	U,G	0.19	0.119	U,G	1.91	0.0478	U,G	0.289	0.0576	U,G	0.583	-0.163	U,G	2.41
EP-09-00-SL	1.29	U,G	1.79	0.0309	U,G	0.468	0.0301	U,G	0.44	0.242	U,G	0.524	0.161	U,G	0.785	1.07	U,G	4.58
EP-10-00-SL	0.47	U,G	1.14	-0.038	U,G	0.348	1.8	U,G	4.14	-0.0801	U,G	0.465	0.192	U,G	0.687	-0.731	U,G	3.91
EP-11-00-SL	1.26	G,TI	1.02	-0.107	U,G	0.462	-0.0615	U,G	0.404	-0.0798	U,G	0.535	-0.347	U,G	0.816	0.637	U,G	3.85
EP-12-00-SL	0.857	U,G	1.17	-0.0535	U,G	0.314	0.389	U,G	1.64	0.0508	U,G	0.39	0.216	U,G	0.544	0.464	U,G	2.89
GS-01-00-SL	0.735	U,G	0.753	-0.0453	U,G	0.369	-0.00751	U,G	0.398	-0.256	U,G	0.469	-0.0326	U,G	0.45	0.504	U,G	1.96
GS-01-00-SL-FD	1	G,TI	0.729	-0.0612	U,G	0.214	-0.476	U,G	0.917	-0.29	U,G	0.4	-0.0672	U,G	0.447	-1.36	U,G	2.29
GS-02-00-SL	0.962	G	0.629	-0.0498	U,G	0.246	-0.0844	U,G	0.302	0.0686	U,G	0.223	-0.0793	U,G	0.46	1.02	U,G	2.18
GS-03-00-SL	0.226	U,G	0.682	-0.00284	U,G	0.135	0.00659	U,G	0.215	0	U,G	0.231	0	U,G	0.323	-0.513	U,G	2.1
GS-04-00-SL	0.993	G	0.476	0.0144	U,G	0.183	0.114	U,G	0.229	0.0485	U,G	0.212	0.108	U,G	0.361	-0.39	U,G	2.2
GS-05-00-SL	0.726	G,TI	0.524	-0.048	U,G	0.244	-0.0983	U,G	0.262	0.0104	U,G	0.232	0.041	U,G	0.354	0	U,G	1.88
LF-01-00-SL	1.4	G,TI	0.891	-0.0977	U,G	0.46	-0.11	U,G	0.299	0.159	U,G	0.379	-0.0678	U,G	0.663	-0.907	U,G	3.54
LF-02-00-SL	0.313	U,G	0.793	0.0399	U,G	0.245	0.0143	U,G	0.476	-0.117	U,G	0.38	0.0831	U,G	0.393	-0.439	U,G	1.97
LF-03-00-SL	0.679	U,G	1.11	0.0305	U,G	0.358	0.0403	U,G	1.26	0.0193	U,G	0.493	0.28	U,G	0.599	0.118	U,G	2.95
LF-04-00-SL	1.24	G,TI	0.788	-0.0349	U,G	0.265	0.299	U,G	1.12	0.157	U,G	0.329	0.00451	U,G	0.542	-0.537	U,G	2.95
LF-05-00-SL	0.789	U,G	0.908	0.0111	U,G	0.437	0.0259	U,G	0.234	0.0386	U,G	0.376	-0.0611	U,G	0.547	0.308	U,G	2.69
NB-01-00-SL	0.743	G,TI	0.469	-0.00232	U,G	0.111	0.535	U,G	0.657	-0.049	U,G	0.235	0.224	U,G	0.355	-0.0406	U,G	1.86
NB-02-00-SL	0.121	U,G	0.677	0.0146	U,G	0.139	0.086	U,G	0.193	0.0444	U,G	0.209	-0.017	U,G	0.398	-0.452	U,G	1.93
NB-03-00-SL	0.384	U,G	0.631	-0.0778	U,G	0.263	0.00477	U,G	0.241	-0.00265	U,G	0.258	0.0667	U,G	0.409	0.965	U,G	1.97

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241			Antimony-124			Antimony-125			Beryllium-7		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-04-00-SL	1.5	G	0.611	-0.0102	U,G	0.239	0	U,G	0.289	-0.0989	U,G	0.31	-0.0163	U,G	0.438	-0.0836	U,G	2.25
NB-05-00-SL	0.82	U,G	0.936	0.0058	U,G	0.316	-0.0933	U,G	0.487	-0.026	U,G	0.444	0.123	U,G	0.516	0.38	U,G	2.34
NB-06-00-SL	1.33	G	0.6	-0.0315	U,G	0.201	0.0459	U,G	0.293	-0.0381	U,G	0.273	0.0675	U,G	0.43	0.519	U,G	2.12
NB-07-00-SL	1.12	G	0.642	0.0529	U,G	0.249	0.134	U,G	0.309	0.0518	U,G	0.268	-0.0667	U,G	0.461	-0.105	U,G	2.77
NB-07-00-SL-FD	0.919	G	0.835	0.00526	U,G	0.172	-0.0182	U,G	0.304	-0.102	U,G	0.318	0.0337	U,G	0.43	0.771	U,G	1.78
NB-08-00-SL	0.784	G	0.728	-0.00746	U,G	0.175	-0.304	U,G	0.839	-0.0405	U,G	0.238	0.0494	U,G	0.41	-0.502	U,G	2.08
NB-09-00-SL	1.37	G	0.807	-0.043	U,G	0.219	-0.0273	U,G	0.843	-0.0206	U,G	0.253	0.0392	U,G	0.397	0.582	U,G	1.84
NB-10-00-SL	1.16	G	0.597	0.0109	U,G	0.14	-0.098	U,G	0.291	-0.0676	U,G	0.31	-0.298	U,G	0.486	-0.623	U,G	2.18
NB-11-00-SL	0.975	G	0.473	-0.0324	U,G	0.199	0.0638	U,G	0.316	0.0137	U,G	0.233	0.0148	U,G	0.405	-0.301	U,G	1.88
NB-12-00-SL	1.37	G	0.697	-0.0125	U,G	0.246	0.0133	U,G	0.297	0.0688	U,G	0.223	0.0975	U,G	0.382	-0.0928	U,G	2.23
NB-13-00-SL	1.05	G	0.674	-0.042	U,G	0.178	0.0686	U,G	0.271	0.0496	U,G	0.24	-0.0149	U,G	0.402	0	U,G	1.86
NB-14-00-SL	0.645	U,G	1.07	-0.0256	U,G	0.296	-0.627	U,G	1.23	-0.118	U,G	0.446	0.176	U,G	0.502	-0.809	U,G	2.76
NB-15-00-SL	1.11	G	0.752	0.0571	U,G	0.0938	0.368	U,G	0.619	0.0322	U,G	0.197	0.0697	U,G	0.356	-0.818	U,G	1.95
NB-16-00-SL	0.959	G	0.7	0.0483	U,G	0.0999	0.0679	U,G	0.684	-0.0346	U,G	0.208	-0.0441	U,G	0.402	-0.334	U,G	1.69
NB-17-00-SL	1.46	G	0.618	-0.0358	U,G	0.168	-0.0429	U,G	0.75	0.0787	U,G	0.226	-0.0264	U,G	0.374	-1.31	U,G	2.35
NB-18-00-SL	1.09	G	0.453	-0.0513	U,G	0.22	-0.00472	U,G	0.267	-0.0551	U,G	0.336	-0.132	U,G	0.464	-0.761	U,G	2.19
NB-19-00-SL	1.21	G	0.479	0.0349	U,G	0.148	-0.0178	U,G	0.238	0.0048	U,G	0.191	-0.0497	U,G	0.323	-0.253	U,G	1.61
NB-20-00-SL	1.06	G	0.618	-0.00555	U,G	0.168	0.0118	U,G	0.264	0.0856	U,G	0.228	-0.0462	U,G	0.382	0.458	U,G	1.63
NB-21-00-SL	1.01	G	0.62	-0.078	U,G	0.232	0.0926	U,G	0.24	0.00989	U,G	0.211	0.145	U,G	0.322	-0.881	U,G	2.22
NB-22-00-SL	0.915	G	0.657	0.0735	U,G	0.202	-0.0543	U,G	0.3	0.0491	U,G	0.269	0.0947	U,G	0.37	1.09	U,G	1.66
NB-23-00-SL	1	G	0.627	-0.0141	U,G	0.18	-0.127	U,G	0.281	-0.0397	U,G	0.267	0.0605	U,G	0.386	-0.614	U,G	1.96
NB-24-00-SL	0.791	G	0.506	-0.0306	U,G	0.144	0.0513	U,G	0.67	-0.0416	U,G	0.212	0.0586	U,G	0.32	0.355	U,G	1.38
NB-25-00-SL	0.632	G,TI	0.622	0.0338	U,G	0.158	-0.0733	U,G	0.238	-0.0562	U,G	0.259	-0.0155	U,G	0.38	0.945	U,G	1.53
NB-26-00-SL	0.134	U,G	0.434	0.0196	U,G	0.119	-0.112	U,G	0.559	-0.00825	U,G	0.21	-0.0758	U,G	0.361	0.262	U,G	1.74
NB-27-00-SL	0.584	U,G	0.691	0.0473	U,G	0.162	0.38	U,G	0.784	-0.225	U,G	0.492	0.162	U,G	0.416	-0.167	U,G	2.02
NB-27-00-SL-FD	0.509	U,G	1.02	-0.00797	U,G	0.242	-0.239	U,G	1.26	-0.0788	U,G	0.437	-0.242	U,G	0.598	-1.03	U,G	2.52
OA-01-00-SL	1.07	J	0.821	0.0252	UJ	0.381	-0.0246	UJ	0.386	0	UJ	0.39	-0.0405	UJ	0.598	-0.714	UJ	2.87
OA-01-00-SL-FD	0.655	U	0.687	0.0703	J	0.0634	0.399	UJ	0.92	-0.0124	UJ	0.278	0.0447	UJ	0.466	-0.931	UJ	2.25
OA-02-00-SL	1.13	J	1.05	0.119	J	0.108	0.135	UJ	0.32	-0.135	UJ	0.483	0.282	UJ	0.547	-0.15	UJ	3.29
OA-03-00-SL	0.911	U	0.98	0.0426	UJ	0.258	-0.292	UJ	0.949	0.0405	UJ	0.303	-0.106	UJ	0.544	0.0891	UJ	2.31
OA-04-00-SL	1.14	G	0.781	0.0246	U,G	0.107	-1.77	U,G	3.27	-0.0596	U,G	0.327	-0.0765	U,G	0.645	0.696	U,G	2.71
OA-05-00-SL	1.04	G	0.575	0.0516	U,G	0.196	0.0624	U,G	0.303	-0.0552	U,G	0.282	0.112	U,G	0.366	-0.71	U,G	2.08
OA-06-00-SL	1.03	G	0.67	-0.00848	U,G	0.139	-0.0176	U,G	0.241	-0.0184	U,G	0.255	0.0138	U,G	0.346	-0.46	U,G	1.96
OA-07-00-SL	0.746	G	0.55	0.0142	U,G	0.181	0.103	U,G	0.21	0.00728	U,G	0.236	0.0616	U,G	0.428	-0.16	U,G	1.93
OA-08-00-SL	1.08	G	0.457	-0.0236	U,G	0.186	0.98	U,G	1.63	-0.0448	U,G	0.206	0.105	U,G	0.337	-0.445	U,G	1.85
OA-09-00-SL	0.983	G	0.795	-0.0278	U,G	0.215	-0.235	U,G	1.06	-0.0387	U,G	0.281	0.0385	U,G	0.392	-1.14	U,G	2.3
OA-10-00-SL	0.996	G	0.675	-0.0122	U,G	0.286	-0.417	U,G	1.23	0	U,G	0.36	0.0167	U,G	0.559	0.607	U,G	2.35
OA-11-00-SL	0.75	U,G	0.89	0.0256	U,G	0.3	-0.101	U,G	1.38	0.176	U,G	0.351	0.29	U,G	0.464	0.0325	U,G	2.83
OA-12-00-SL	0.503	U,G	0.977	-0.0429	U,G	0.337	-0.552	U,G	1.44	0.0189	U,G	0.444	0.0738	U,G	0.543	0.0772	U,G	2.67
OA-13-00-SL	1.41	G	1.24	0.0847	G,TI	0.0764	0.0806	U,G	1.63	0.0186	U,G	0.438	-0.126	U,G	0.649	0.533	U,G	3.28
OA-14-00-SL	0.941	G,TI	0.904	0.0713	U,G	0.336	0.367	U,G	1.44	0.0753	U,G	0.367	-0.206	U,G	0.613	-0.616	U,G	3.01
OA-15-00-SL	0.488	U,G	1.13	-0.104	U,G	0.409	-0.236	U,G	1.34	0.0373	U,G	0.418	-0.183	U,G	0.714	-2.09	U,G	4.09
OA-16-00-SL	0.61	U,G	0.958	0	U,G	0.0668	-0.186	U,G	0.862	-0.232	U,G	0.387	0.0595	U,G	0.438	-1.19	U,G	2.88
OA-20-00-SL	0.12	U,G	0.871	-0.00837	U,G	0.254	0.279	U,G	0.736	0.11	U,G	0.274	0.0848	U,G	0.446	-0.893	U,G	2.66
OA-21-00-SL	0.0815	U,G	0.944	0.0461	U,G	0.0623	0.334	U,G	1.29	0	U,G	0.299	-0.0722	U,G	0.54	-0.424	U,G	2.46
OA-22-00-SL	0.217	U	0.532	0.011	U	0.167	0.0827	U	1.01	0	U	0.233	0.0313	U	0.368	0.19	U	1.37
OA-23-00-SL	0.509	U	0.606	0.0118	U	0.18	-0.0507	U	3.57	0.129	U	0.236	-0.0794	U	0.408	0.3	U	1.47

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241			Antimony-124			Antimony-125			Beryllium-7		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
OA-24-00-SL	0.941	G	0.78	0.0624	U,G	0.227	-0.462	U,G	1.26	-0.0783	U,G	0.392	-0.22	U,G	0.678	-0.111	U,G	2.84
OA-25-00-SL	0.474	U,G	0.886	-0.0512	U,G	0.253	-0.129	U,G	0.404	-0.0291	U,G	0.345	0.128	U,G	0.338	0.157	U,G	2.01
OA-26-00-SL	0.62	TI	0.615	0	U	0.248	-0.112	U	2.84	-0.0797	U	0.351	0.148	U	0.543	1.04	U	2.68
OA-27-00-SL	1.1	G	0.746	-0.00516	U,G	0.156	0.139	U,G	0.232	0.0948	U,G	0.178	-0.0112	U,G	0.363	-0.384	U,G	2
OA-28-00-SL	1.08	G	0.575	0.00432	U,G	0.17	0.0292	U,G	0.752	0.0738	U,G	0.18	-0.0713	U,G	0.355	-0.0559	U,G	1.63
OA-29-00-SL	1.19	G	0.498	-0.0315	U,G	0.193	-0.139	U,G	0.283	-0.0166	U,G	0.229	-0.0574	U,G	0.359	-0.27	U,G	1.82
OA-30-00-SL	0.952	G	0.696	-0.0064	U,G	0.194	-0.0744	U,G	0.316	0.011	U,G	0.252	0.126	U,G	0.391	-0.264	U,G	2.07
OA-31-00-SL	0.747	G	0.558	0.0529	G,TI	0.0358	0.101	U,G	0.768	0.00837	U,G	0.188	0.0146	U,G	0.362	0.388	U,G	1.53
OA-32-00-SL	1.04	G	0.476	-0.018	U,G	0.193	-0.0358	U,G	0.287	-0.00311	U,G	0.241	0	U,G	0.366	-0.473	U,G	1.69
OA-33-00-SL	1.33	G	0.399	0.009	U,G	0.136	0.0467	U,G	0.794	0.077	U,G	0.182	-0.114	U,G	0.405	0.187	U,G	1.56
OA-34-00-SL	1.17	G	0.551	-0.00649	U,G	0.153	-0.264	U,G	0.73	0	U,G	0.214	-0.101	U,G	0.407	0.201	U,G	1.68
OA-35-00-SL	0.383	U,G	0.935	0.0788	U,G	0.193	-0.432	U,G	1.07	-0.138	U,G	0.616	-0.219	U,G	0.495	0.596	U,G	2.4
OA-36-00-SL	1.02	G	0.641	-0.0504	U,G	0.249	-0.0573	U,G	0.294	0.203	G,TI	0.179	-0.023	U,G	0.413	-0.778	U,G	2.57
OA-37-00-SL	1.04	U,G	1.12	0	U,G	0.309	-0.0697	U,G	1.3	-0.198	U,G	0.493	0.0318	U,G	0.554	-1.2	U,G	3.08
OA-38-00-SL	0.944	G	0.651	-0.0197	U,G	0.212	0.00341	U,G	0.277	0.0366	U,G	0.251	-0.0158	U,G	0.412	-0.417	U,G	2.12
OA-39-00-SL	1.14	G	0.625	0.00856	U,G	0.13	0.00769	U,G	0.672	-0.0541	U,G	0.221	-0.0734	U,G	0.363	0.324	U,G	1.76
OA-40-00-SL	0.956	G	0.49	0.0349	U,G	0.0472	0.0281	U,G	0.272	0.0442	U,G	0.26	-0.00424	U,G	0.381	-0.539	U,G	2.42
PL-01-00-SL	1.35	G	0.681	-0.00467	U,G	0.119	0.0709	U,G	0.304	-0.08	U,G	0.278	-0.105	U,G	0.39	0.237	U,G	1.68
PL-02-00-SL	1.22	G,TI	0.849	-0.0256	U,G	0.194	-0.0818	U,G	0.297	-0.0122	U,G	0.259	0.035	U,G	0.355	0.396	U,G	2.17
PL-03-00-SL	0.818	G	0.557	0.0218	U,G	0.187	0.0602	U,G	0.248	0.0468	U,G	0.237	0.07	U,G	0.389	-0.221	U,G	1.88
RR-01-00-SL	1.41	J	1.12	0.0722	UJ	0.312	0.862	U	1.06	0.155	UJ	0.423	0.0965	UJ	0.878	0.398	UJ	3.63
RR-02-00-SL	1.42	=	1.21	-0.00879	UJ	0.266	0.249	UJ	0.861	-0.0556	UJ	0.341	0.0545	UJ	0.505	-0.202	UJ	2.21
RR-03-00-SL	1.65	J	1.21	-0.0565	UJ	0.429	0.182	U	0.288	-0.144	UJ	0.504	-0.05	UJ	0.651	0.961	UJ	2.67
SW-01-00-SL	1.47	J	1.03	-0.014	UJ	0.329	-0.281	UJ	1.14	0.0442	UJ	0.287	0.222	UJ	0.514	-0.233	UJ	2.43
SW-02-00-SL	1.62	=	1.5	0.175	UJ	0.362	0.0138	UJ	0.55	0.155	UJ	0.431	0.0489	UJ	0.806	-2.07	UJ	4.23
SW-03-00-SL	1.22	J	0.998	0.0998	UJ	0.207	-0.285	UJ	0.949	-0.0275	UJ	0.33	-0.00829	UJ	0.554	0.798	UJ	1.43
SW-04-00-SL	0.729	UJ	1.52	-0.0676	UJ	0.53	-0.0665	UJ	0.369	0.0874	UJ	0.453	0.029	UJ	0.869	-0.341	UJ	3.32
LS-01-00-SL	0.092	U	0.671	-0.0351	U	0.233	0	U	0.312	-0.0689	U	0.286	0.0957	U	0.289	0.125	U	1.54
LS-02-00-SL	0.172	U	0.508	0.0105	U	0.16	0.361	U	0.723	-0.156	U	0.256	-0.0787	U	0.327	0.821	U	1.53
LS-03-00-SL	0.714	G	0.578	-0.0371	U,G	0.218	0	U,G	0.288	-0.0523	U,G	0.242	-0.0754	U,G	0.37	-0.549	U,G	2

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Bismuth-212			Bismuth-214			Cadmium-109			Cerium-139			Cerium-144			Cesium-134		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-09-00-SL	-0.514	U,G	2.95	0.342	U,G,J	0.426	0.974	U,G	5.38	0.00928	U,G	0.124	-0.339	U,G	0.976	0.0379	U,G	0.172
BD-10-00-SL	2.56	U,G	3.14	0.567	G,J	0.372	16.8	G,SI	15.4	0.00985	U,G	1.02	-1.84	U,G	3.47	-0.0744	U,G	0.266
BD-11-00-SL	0.748	U,G	3.04	0.791	G,J	0.369	1.58	U,G	26.4	-0.037	U,G	0.399	-0.491	U,G	2.94	-0.0544	U,G	0.201
BD-12-00-SL	0.845	U,G	3.39	0.628	G,J	0.559	22.6	G,SI	9.58	-0.139	U,G	0.628	-0.0359	U,G	1.93	0.0345	U,G	0.282
BP-01-00-SL	1.69	U,G	3.61	0.765	G,J	0.443	1.67	U,G	3.26	-0.0316	U,G	0.161	0.185	U,G	0.83	0.0477	U,G	0.224
BP-02-00-SL	1.26	U,G	1.57	0.817	G,J	0.249	3.32	G,SI	3.03	0.00398	U,G	0.0938	0.0468	U,G	0.625	-0.0366	U,G	0.138
BP-03-00-SL	1.14	U,G	2.31	1.02	G,J	0.35	35.8	G,SI	5.96	-0.229	U,G	0.583	-0.214	U,G	1.93	-0.0377	U,G	0.163
BP-04-00-SL	1.24	U,G	2.04	0.797	G,J	0.297	-0.188	U,G	2.76	0.0117	U,G	0.194	0.182	U,G	0.738	-0.0325	U,G	0.169
BP-05-00-SL	1.08	U,G	2.16	0.913	G,J	0.291	2.74	G,SI	2.57	0.0238	U,G	0.102	-0.0592	U,G	0.635	0.00523	U,G	0.138
BP-06-00-SL	2.47	G,TI	1.72	1.06	G,J	0.277	4.13	G,SI	2.48	-0.0183	U,G	0.124	-0.0614	U,G	0.621	-0.0702	U,G	0.168
BP-07-00-SL	2.34	U,G	2.86	0.992	G,J	0.327	56	G,SI	7.12	0.147	U,G	0.704	0.501	U,G	2	0.0093	U,G	0.176
BP-08-00-SL	41.6	G	5.34	1.28	G,J	0.688	79.8	G,SI	8.01	-0.0319	U,G	0.351	0.789	U,G	1.98	0.312	U,G	0.352
BP-09-00-SL	1.62	U,G	2.03	0.814	G,J	0.389	1.85	U,G	2.7	0.00346	U,G	0.141	0.0314	U,G	0.732	-0.0125	U,G	0.172
BP-10-00-SL	1.28	U,G	1.65	1.17	G,J	0.321	-0.356	U,G	3.9	0.0121	U,G	0.111	0.0103	U,G	0.689	-0.023	U,G	0.144
BP-11-00-SL	1.64	U,G	2.33	0.928	G,J	0.401	2.28	G,SI	2.22	0.0455	U,G	0.127	-0	U,G	0.888	0.0781	U,G	0.147
BP-12-00-SL	1.91	U,G	2.2	1.09	G,J	0.305	1.83	U,G	1.88	-0.0106	U,G	0.14	-0.0867	U,G	0.707	-0.0576	U,G	0.179
CB-01-00-SL	2.6	U	3.81	0.789	=	0.533	-13	UJ	11.3	0.0829	UJ	0.25	0.0205	UJ	1.19	-0.0789	UJ	1.42
CB-01-00-SL-FD	-0.582	UJ	4.66	0.998	=	0.534	2.85	UJ	5.2	-0.0484	UJ	0.157	-0.256	UJ	1.02	-0.0777	UJ	0.261
DM-01-00-SL	37	G	7.48	0.995	U,G,J	1.16	381	G,SI	17	0.189	U,G	0.868	-1.96	U,G	6.22	0.112	U,G	0.499
DM-02-00-SL	0.288	U,G	5.11	0.667	G,J	0.586	238	G,SI	26.4	-2.17	U,G	1.55	-2.74	U,G	4.88	0.00456	U,G	0.362
EP-01-00-SL	1.03	U,G	3.59	0.85	G,J	0.554	34.7	G,SI	12	0.0847	U,G	0.26	-0.299	U,G	2	0.0475	U,G	0.233
EP-02-00-SL	3.39	U,G	4.32	0.911	G,J	0.514	29.1	G,SI	7.45	-0.0301	U,G	0.323	0.888	U,G	2.09	0.0259	U,G	0.268
EP-03-00-SL	1.12	U,G	1.93	1	G,J	0.268	2.54	U,G	3.77	0.0775	U,G	0.129	-0.356	U,G	0.996	0.04	U,G	0.134
EP-04-00-SL	1.19	U,G	8.41	0.654	U,G,J	0.832	196	G,SI	13.8	0.228	U,G	0.633	-2.74	U,G	4.92	-0.275	U,G	0.495
EP-04-00-SL-FD	2.62	U,G	2.85	0.515	G,J	0.469	271	G,SI	14.6	-0.136	U,G	1.38	-0.964	U,G	4.1	-0.0416	U,G	0.269
EP-05-00-SL	0	U,G	2.49	1.03	G,J	0.313	19.1	G,SI	5.19	-0.0278	U,G	0.405	-0.599	U,G	1.32	0	U,G	0.146
EP-06-00-SL	2.28	U,G	3.89	0.264	U,G,J	0.571	93.3	G,SI	8.32	-0.0359	U,G	0.432	-0.61	U,G	3.18	0	U,G	0.288
EP-07-00-SL	1.44	U,G	4.15	0.812	G,J	0.638	1.68	U,G	3.06	0.0575	U,G	0.19	-0.407	U,G	1.28	-0.0154	U,G	0.31
EP-08-00-SL	1.06	U,G	3.03	0.738	G,J	0.524	11.9	G,SI	9.44	0.114	U,G	0.176	-0.208	U,G	1.34	0.133	U,G	0.134
EP-09-00-SL	0.536	U,G	5.75	1.39	G,J	0.844	3.54	U,G	3.87	0.109	U,G	0.437	0.137	U,G	1.46	0.069	U,G	0.501
EP-10-00-SL	0.611	U,G	4.08	0.799	G,J	0.633	67.7	G,SI	17.6	-0.121	U,G	0.909	-0.801	U,G	2.96	0.0103	U,G	0.366
EP-11-00-SL	0.567	U,G	5.43	0.359	U,G,J	0.691	1.55	U,G	3.12	0.00177	U,G	0.398	0.045	U,G	1.23	0.153	U,G	0.27
EP-12-00-SL	1.1	U,G	3.81	0.751	G,J	0.503	6.11	G,SI	4.54	-0.00543	U,G	0.371	-0.136	U,G	1.29	0.0434	U,G	0.231
GS-01-00-SL	2.24	U,G	2.9	0.652	G,J	0.552	1.98	U,G	3.38	0.0262	U,G	0.117	-0.164	U,G	0.824	-0.0507	U,G	0.308
GS-01-00-SL-FD	0.774	U,G	2.83	0.343	U,G,J	0.494	3.03	U,G	3.82	0.0192	U,G	0.164	-0.192	U,G	1.02	-0.131	U,G	0.33
GS-02-00-SL	0.76	U,G	3.21	0.998	G,J	0.338	2.34	U,G	2.97	0.0318	U,G	0.125	0.188	U,G	0.873	-0.0454	U,G	0.174
GS-03-00-SL	0.497	U,G	1.95	0.372	G,J	0.28	-0.607	U,G	2.29	-0.0473	U,G	0.109	0.407	U,G	0.595	0.0414	U,G	0.139
GS-04-00-SL	0.324	U,G	2.43	1	G,J	0.332	2.5	U,G	3.14	0.0213	U,G	0.118	-0.13	U,G	0.782	-0.0611	U,G	0.166
GS-05-00-SL	0.284	U,G	2.52	0.909	G,J	0.356	1.75	U,G	3.18	-0.0288	U,G	0.122	0.17	U,G	0.706	0.048	U,G	0.142
LF-01-00-SL	2.13	U,G	3.92	0.595	G,J	0.525	1.22	U,G	2.48	-0.0815	U,G	0.205	-0.192	U,G	0.962	-0.0728	U,G	0.302
LF-02-00-SL	0.646	U,G	2.54	0.166	U,G,J	0.461	-0.201	U,G	3.13	0.0447	U,G	0.106	-0.0787	U,G	0.733	0.00569	U,G	0.287
LF-03-00-SL	0.173	U,G	4.34	0.794	G,J	0.553	0.485	U,G	5.48	0.00738	U,G	0.195	0.58	U,G	0.824	-0.161	U,G	0.349
LF-04-00-SL	0.825	U,G	2.94	0.683	G,J	0.498	-2.04	U,G	5.76	-0.00498	U,G	0.152	0.0678	U,G	0.821	0.179	G,TI	0.177
LF-05-00-SL	-0.521	U,G	4.29	0.635	G,J	0.549	1.35	U,G	2.37	-0.0231	U,G	0.158	0.0653	U,G	0.863	0.0495	U,G	0.233
NB-01-00-SL	1.4	U,G	1.62	0.71	G,J	0.285	0.965	U,G	2.34	-0.0507	U,G	0.118	-0.353	U,G	0.709	0.0188	U,G	0.137
NB-02-00-SL	0.591	U,G	2.34	0.532	G,J	0.291	1.14	U,G	2.06	-0.00758	U,G	0.11	-0.266	U,G	0.797	-0.0427	U,G	0.156
NB-03-00-SL	0.822	U,G	1.76	0.436	G,J	0.358	0.843	U,G	2.41	-0.00391	U,G	0.126	0.204	U,G	0.568	0.0417	U,G	0.152

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Bismuth-212			Bismuth-214			Cadmium-109			Cerium-139			Cerium-144			Cesium-134		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-04-00-SL	2.18	U,G	2.51	1.71	G,J	0.382	3.2	G,SI	2.76	-0.0606	U,G	0.144	-0.198	U,G	0.809	-0.0365	U,G	0.197
NB-05-00-SL	-0.0873	U,G	3.71	0.472	U,G,J	0.621	2.33	U,G	3.6	0.00246	U,G	0.136	0.111	U,G	0.879	-0.0177	U,G	0.386
NB-06-00-SL	1.19	U,G	2.31	1.08	G,J	0.37	1.88	U,G	2.69	0.0431	U,G	0.136	-0.00776	U,G	0.784	-0.0542	U,G	0.186
NB-07-00-SL	1.59	U,G	2.93	1.1	G,J	0.393	2.66	G,SI	2.28	-0.054	U,G	0.162	0	U,G	0.919	0.0342	U,G	0.177
NB-07-00-SL-FD	1.54	U,G	2.6	1.18	G,J	0.371	1.44	U,G	2.26	0.0391	U,G	0.133	0.271	U,G	0.704	0.0645	U,G	0.179
NB-08-00-SL	2.53	G,TI	1.83	1.32	G,J	0.344	2.95	U,G	3.05	-0.0464	U,G	0.13	0.0878	U,G	0.767	-0.0134	U,G	0.154
NB-09-00-SL	1.29	U,G	1.86	1.05	G,J	0.374	4.17	G,SI	3.98	-0.0278	U,G	0.112	-0.191	U,G	0.801	0	U,G	0.164
NB-10-00-SL	0.74	U,G	2.7	1.24	G,J	0.314	2.26	U,G	2.5	-0.0203	U,G	0.14	0.109	U,G	0.724	-0.0598	U,G	0.208
NB-11-00-SL	1.57	U,G	2.1	1.12	G,J	0.343	3.15	G,SI	2.64	0.132	U,G	0.245	0.0648	U,G	0.849	-0.0166	U,G	0.161
NB-12-00-SL	2.98	U,G	3.09	1.18	G,J	0.369	2.21	G,SI	2.2	0.0239	U,G	0.139	0.0235	U,G	0.813	0	U,G	0.161
NB-13-00-SL	2.1	G,TI	2.05	1.16	G,J	0.311	2.05	U,G	2.53	0.0346	U,G	0.127	-0.117	U,G	0.747	0.0457	U,G	0.155
NB-14-00-SL	1.16	U,G	3.38	0.496	U,G,J	0.527	2.83	U,G	9.26	-0.0669	U,G	0.218	-0.251	U,G	1.37	-0.0907	U,G	0.42
NB-15-00-SL	1.55	U,G	1.84	1.27	G,J	0.323	1.22	U,G	2.48	-0.0282	U,G	0.102	0.019	U,G	0.65	0	U,G	0.135
NB-16-00-SL	1.17	U,G	1.76	0.975	G,J	0.295	3.92	G,SI	2.02	-0.00485	U,G	0.108	-0.0676	U,G	0.714	0.0453	U,G	0.117
NB-17-00-SL	1.88	G,TI	1.66	1.04	G,J	0.322	3.09	U,G	3.94	-0.0092	U,G	0.117	0.165	U,G	0.677	0.0257	U,G	0.155
NB-18-00-SL	2.43	G,TI	2.1	0.952	G,J	0.408	4.31	G,SI	3.17	-0.0191	U,G	0.141	-0.258	U,G	0.728	-0.0504	U,G	0.223
NB-19-00-SL	0.875	U,G	1.91	0.981	G,J	0.283	2.17	G,SI	2.15	-0.0403	U,G	0.112	-0.0286	U,G	0.595	0.0462	U,G	0.114
NB-20-00-SL	1.61	U,G	2.2	0.97	G,J	0.316	2.17	G,SI	2.11	0.0275	U,G	0.116	0.165	U,G	0.726	-0.0469	U,G	0.186
NB-21-00-SL	1.91	U,G	2.14	0.929	G,J	0.292	1.47	U,G	2.19	-0.0652	U,G	0.139	-0.182	U,G	0.791	0.0196	U,G	0.135
NB-22-00-SL	1.06	U,G	2.88	1.08	G,J	0.405	2.14	U,G	2.7	0.0256	U,G	0.18	-0.101	U,G	0.887	0.0973	U,G	0.158
NB-23-00-SL	1.81	U,G	2.5	0.769	G,J	0.313	2.73	G,SI	2.63	0	U,G	0.129	0.139	U,G	0.667	0.0262	U,G	0.164
NB-24-00-SL	1.23	U,G	1.5	1.05	G,J	0.308	1.81	U,G	2.72	0.0402	U,G	0.09	0.429	U,G	0.565	-0.0165	U,G	0.138
NB-25-00-SL	1.4	U,G	2.12	0.667	G,J	0.272	2.39	U,G	2.57	0.018	U,G	0.114	-0.103	U,G	0.702	0.00316	U,G	0.161
NB-26-00-SL	0	U,G	1.52	0.492	G,J	0.242	0.811	U,G	2.49	0.0102	U,G	0.0784	0.108	U,G	0.502	0.0159	U,G	0.13
NB-27-00-SL	0.399	U,G	2.86	0.449	U,G,J	0.517	0.0288	U,G	4.16	0.028	U,G	0.144	-0.149	U,G	1.01	-0.0194	U,G	0.3
NB-27-00-SL-FD	-0.464	U,G	3.72	0.416	U,G,J	0.505	1.44	U,G	4.96	-0.0108	U,G	0.136	-0.269	U,G	1.04	0.0306	U,G	0.265
OA-01-00-SL	1.47	UJ	4.2	0.404	UJ	0.722	4.36	J	4.28	0.0171	UJ	0.332	-0.0357	UJ	1.22	0.0139	UJ	0.296
OA-01-00-SL-FD	0.982	UJ	2.73	0.618	J	0.48	5.43	=	3.44	0.0401	UJ	0.13	-0.0974	UJ	0.936	0.00936	UJ	0.205
OA-02-00-SL	0.356	UJ	5.45	0.782	=	0.406	2.46	U	3.29	-0.00276	UJ	0.33	-0.49	UJ	1.28	-0.132	UJ	0.373
OA-03-00-SL	0.536	UJ	3.59	1.08	=	0.568	-1.58	UJ	5.1	0.0289	UJ	0.122	-0.138	UJ	0.842	-0.0204	UJ	0.313
OA-04-00-SL	1.55	U,G	3.77	0.95	G,J	0.554	-7.8	U,G	17	-0.0489	U,G	0.26	-1.23	U,G	1.99	-0.078	U,G	0.236
OA-05-00-SL	1.34	U,G	2.44	0.958	G,J	0.419	1.91	U,G	2.77	-0.0599	U,G	0.157	0.0957	U,G	0.89	0.0545	U,G	0.175
OA-06-00-SL	1.17	U,G	1.83	1.1	G,J	0.286	1.9	G,SI	1.55	0.0581	U,G	0.112	0.0779	U,G	0.614	-0.0713	U,G	0.17
OA-07-00-SL	2.39	U,G	3.1	0.899	G,J	0.305	2.35	U,G	3.05	0.0919	U,G	0.218	0.0172	U,G	0.792	0.0714	U,G	0.132
OA-08-00-SL	1.99	U,G	2.06	0.893	G,J	0.338	-0.749	U,G	8.53	0.0233	U,G	0.202	-0.354	U,G	1.51	0.0406	U,G	0.113
OA-09-00-SL	2.14	G,TI	2.08	1.14	G,J	0.337	1.25	U,G	4.37	-0.0125	U,G	0.134	-0.177	U,G	0.8	-0.1	U,G	0.257
OA-10-00-SL	2.95	G,TI	2.53	0.629	G,J	0.53	1.88	U,G	5.39	-0.00736	U,G	0.134	-0.0628	U,G	0.94	0	U,G	0.233
OA-11-00-SL	1.2	U,G	3.89	0.577	G,J	0.495	-0.812	U,G	6.24	-0.0485	U,G	0.348	-0.0971	U,G	1.13	0.0519	U,G	0.239
OA-12-00-SL	0.159	U,G	3.98	0.65	G,J	0.53	2.54	U,G	3.62	-0.0693	U,G	0.18	-0.282	U,G	1.09	-0.0122	U,G	0.293
OA-13-00-SL	0.209	U,G	3.57	0.987	G,J	0.559	-1.34	U,G	7.72	-0.0907	U,G	0.377	-0.0928	U,G	1.13	-0.0843	U,G	0.307
OA-14-00-SL	1.72	U,G	3.41	0.822	G,J	0.452	0.0101	U,G	6.16	-0.014	U,G	0.186	0	U,G	1	0	U,G	0.252
OA-15-00-SL	2.34	U,G	3.74	0.7	G,J	0.471	-1.1	U,G	5.85	-0.0409	U,G	0.186	-0.338	U,G	1.19	-0.0844	U,G	0.296
OA-16-00-SL	1.23	U,G	3.52	0.695	G,J	0.584	-0.335	U,G	4.86	-0.055	U,G	0.132	-0.356	U,G	0.854	-0.03	U,G	0.219
OA-20-00-SL	0.712	U,G	1.92	0.858	G,J	0.394	-0.226	U,G	4.47	-0.0656	U,G	0.147	-0.309	U,G	0.913	-0.0102	U,G	0.205
OA-21-00-SL	-1.16	U,G	4.19	0.951	G,J	0.423	3.13	U,G	3.85	-0.118	U,G	0.328	0.262	U,G	1.05	0.0373	U,G	0.22
OA-22-00-SL	-0.153	U	2.3	0.795	J	0.308	4.37	U	4.39	0.128	U	0.168	-0.182	U	0.726	0.0141	U	0.146
OA-23-00-SL	1.07	U	2.12	0.41	J	0.315	146	SI	15.2	-0.471	U	1.02	-0.0917	U	2.93	0.00758	U	0.174

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Bismuth-212			Bismuth-214			Cadmium-109			Cerium-139			Cerium-144			Cesium-134		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
OA-24-00-SL	1.9	U,G	3.67	0.627	G,J	0.532	-0.396	U,G	5	-0.0369	U,G	0.178	0.0631	U,G	0.929	-0.0506	U,G	0.238
OA-25-00-SL	0.684	U,G	2.42	0.226	U,G,J	0.476	3.36	G,SI	2.93	0.00759	U,G	0.19	0.344	U,G	0.709	-0.0298	U,G	0.28
OA-26-00-SL	0.661	U	3.41	0.796	J	0.474	38.7	SI	9.49	-0.0503	U	0.728	-0.455	U	2.39	-0.0258	U	0.294
OA-27-00-SL	2.05	U,G	2.06	0.945	G,J	0.3	0.578	U,G	2.48	0.0329	U,G	0.11	-0.0971	U,G	0.723	0.0376	U,G	0.126
OA-28-00-SL	0.795	U,G	1.66	0.99	G,J	0.324	1.86	U,G	3.46	-0.0803	U,G	0.12	-0.0956	U,G	0.679	-0.0289	U,G	0.147
OA-29-00-SL	1.31	U,G	2.21	1.16	G,J	0.323	2.57	G,SI	2.49	-0.0324	U,G	0.128	-0.267	U,G	0.709	-0.0117	U,G	0.162
OA-30-00-SL	2.43	G,TI	2.31	1.02	G,J	0.377	2.44	U,G	2.75	-0.0793	U,G	0.152	0.119	U,G	0.854	0.0387	U,G	0.169
OA-31-00-SL	0.811	U,G	2.16	1.16	G,J	0.307	2.86	U,G	4.35	-0.0082	U,G	0.115	-0.132	U,G	0.737	-0.0295	U,G	0.142
OA-32-00-SL	1.01	U,G	1.96	0.88	G,J	0.289	2.58	G,SI	2.33	-0.0226	U,G	0.132	0.137	U,G	0.637	-0.0642	U,G	0.184
OA-33-00-SL	0.829	U,G	2.08	1.12	G,J	0.324	1.51	U,G	2.5	0	U,G	0.109	-0.0249	U,G	0.691	0.0663	U,G	0.125
OA-34-00-SL	-0.201	U,G	2.41	1	G,J	0.254	1.12	U,G	3.88	-0.0438	U,G	0.11	0.0524	U,G	0.629	0.0117	U,G	0.134
OA-35-00-SL	1.53	U,G	3	0.294	U,G,J	0.709	0.687	U,G	5.19	0.00742	U,G	0.183	0.0221	U,G	1.07	0.0764	U,G	0.365
OA-36-00-SL	1.93	U,G	2.82	0.863	G,J	0.335	1.46	U,G	2.07	-0.00408	U,G	0.128	-0.334	U,G	0.953	0.0537	U,G	0.144
OA-37-00-SL	0.3	U,G	4.01	1.22	G,J	0.535	0	U,G	5.49	0.0118	U,G	0.168	-0.334	U,G	1.08	0.0535	U,G	0.336
OA-38-00-SL	2.23	G,TI	1.77	1.06	G,J	0.334	2.21	U,G	3.45	-0.0446	U,G	0.144	0.0842	U,G	0.779	-0.0178	U,G	0.172
OA-39-00-SL	0.596	U,G	2.12	1.09	G,J	0.323	-0.687	U,G	3.96	0.0139	U,G	0.104	0.145	U,G	0.641	0.0924	U,G	0.105
OA-40-00-SL	1.96	U,G	2.22	0.845	G,J	0.331	1.45	U,G	1.94	0	U,G	0.126	0.397	U,G	0.667	0.0142	U,G	0.17
PL-01-00-SL	0.74	U,G	1.99	1.1	G,J	0.315	1.85	U,G	2.94	0.047	U,G	0.226	-0.236	U,G	0.821	-0.0903	U,G	0.187
PL-02-00-SL	1.6	U,G	2.56	1.01	G,J	0.384	1.72	U,G	2.44	0.0166	U,G	0.129	0.0972	U,G	0.832	0.0078	U,G	0.162
PL-03-00-SL	1.38	U,G	2.42	1.03	G,J	0.295	2.44	G,SI	1.81	-0.0756	U,G	0.137	0.165	U,G	0.648	0.00572	U,G	0.158
RR-01-00-SL	-0.413	UJ	6.61	0.39	UJ	0.618	64.8	=	9.82	0.123	UJ	0.889	0.511	UJ	3	0.0143	UJ	0.392
RR-02-00-SL	0.552	UJ	3.7	1.12	=	0.509	-0.151	UJ	5.16	-0.0485	UJ	0.153	0.0602	UJ	0.944	-0.148	UJ	0.283
RR-03-00-SL	2.14	UJ	5.19	0.867	=	0.407	0.16	UJ	3.56	0	UJ	0.186	0.321	UJ	1	-0.187	UJ	0.374
SW-01-00-SL	1.95	U	2.56	1.12	=	0.446	2.77	U	4.26	0.00451	UJ	0.156	0.0813	UJ	1.03	0.0112	UJ	0.225
SW-02-00-SL	0.557	UJ	5.34	1.32	=	0.709	14	=	5.32	-0.0775	UJ	0.54	-0.518	UJ	1.8	0.184	UJ	0.304
SW-03-00-SL	0.182	UJ	2.89	0.675	J	0.458	-0.126	UJ	4.7	-0.0118	UJ	0.122	-0.152	UJ	0.901	0.0624	UJ	0.228
SW-04-00-SL	1.8	UJ	4.74	1.26	=	0.596	1.27	UJ	3.57	-0.0941	UJ	0.222	-0.0853	UJ	1.26	-0.0662	UJ	0.381
LS-01-00-SL	1.33	U	1.98	0.672	J	0.4	0.266	U	2.7	0.014	U	0.0979	0.241	U	0.547	0.0186	U	0.234
LS-02-00-SL	1.36	TI	1.35	0.501	J	0.276	-1.39	U	3.56	-0.0741	U	0.106	0.119	U	0.521	-0.0943	U	0.168
LS-03-00-SL	0.53	U,G	2.32	0.859	G,J	0.313	2.31	G,SI	1.89	0.0225	U,G	0.208	0.269	U,G	0.669	-0.00769	U,G	0.149

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Cesium-137			Chromium-51			Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-09-00-SL	0.0451	U,G	0.148	0.615	U,G	2.44	0.0468	U,G	0.401	0.00639	U,G	0.13	0.076	U,G	0.245	-0.0349	U,G	0.228
BD-10-00-SL	0.151	U,G	0.203	1.22	U,G	3.82	0.198	U,G	0.347	1.1	G,TI	0.475	0.0198	U,G	0.278	0.0729	U,G	0.142
BD-11-00-SL	0.122	LT,G	0.122	1.88	U,G	3.27	0.151	U,G	0.387	1.11	G,TI	0.4	-0.0634	U,G	0.289	-0.0754	U,G	0.183
BD-12-00-SL	0.0962	U,G	0.309	-2	U,G	4.72	0.257	U,G	0.729	0.321	G,TI	0.264	0.121	U,G	0.321	-0.011	U,G	0.442
BP-01-00-SL	0.0236	U,G	0.284	0.375	U,G	3.38	-0.0434	U,G	0.756	-0.0192	U,G	0.106	0.0565	U,G	0.3	0	U,G	0.319
BP-02-00-SL	0.268	LT,G	0.131	0.982	U,G	2.09	0.0311	U,G	0.379	-0.0187	U,G	0.079	-0.0023	U,G	0.173	0.00696	U,G	0.146
BP-03-00-SL	0.208	LT,G	0.13	1.37	U,G	2.51	0.211	U,G	0.442	0.547	G,TI	0.253	0.0682	U,G	0.185	0	U,G	0.18
BP-04-00-SL	-0.00682	U,G	0.175	-1.3	U,G	2.86	0.122	U,G	0.457	0.0178	U,G	0.0995	0.0353	U,G	0.192	0.0124	U,G	0.186
BP-05-00-SL	0.261	LT,G	0.145	0.0819	U,G	2.34	0.117	U,G	0.415	-0.00124	U,G	0.0831	-0.0115	U,G	0.173	0.00695	U,G	0.146
BP-06-00-SL	0.0415	U,G	0.154	0.296	U,G	2.1	0.109	U,G	0.395	0.0272	U,G	0.0786	-0.00924	U,G	0.168	0.0433	U,G	0.167
BP-07-00-SL	0.0692	U,G	0.198	-0.904	U,G	3.53	0.0673	U,G	0.535	0.675	G,TI	0.238	0.0244	U,G	0.26	0.0958	U,G	0.119
BP-08-00-SL	-0.0314	U,G	0.395	-0.115	U,G	6.11	0.46	U,G	0.674	-0.00542	U,G	0.246	-0.118	U,G	0.423	0.0339	U,G	0.318
BP-09-00-SL	0.234	LT,G	0.136	-0.884	U,G	2.52	0.342	U,G	0.388	0.00353	U,G	0.0833	-0.0105	U,G	0.236	0.052	U,G	0.156
BP-10-00-SL	0.112	U,G	0.173	-0.0943	U,G	2.58	0.149	U,G	0.325	-0.0262	U,G	0.0935	-0.0245	U,G	0.202	-0.0153	U,G	0.136
BP-11-00-SL	0.0864	U,G	0.203	-2.17	U,G	3.73	0.207	U,G	0.47	0	U,G	0.112	-0.0101	U,G	0.262	0.0893	U,G	0.179
BP-12-00-SL	0.0409	U,G	0.145	0.251	U,G	3	0.335	U,G	0.424	0.00748	U,G	0.0896	-0.0443	U,G	0.223	-0.00833	U,G	0.195
CB-01-00-SL	0.161	U	0.207	0.302	UJ	2.13	0.3	UJ	0.498	0.00805	UJ	0.162	-0.0726	UJ	0.26	-0.0635	UJ	0.256
CB-01-00-SL-FD	0.0678	UJ	0.236	-0.388	UJ	2.23	-0.37	UJ	0.792	-0.0618	UJ	0.157	0.0394	UJ	0.234	0.0107	UJ	0.288
DM-01-00-SL	-0.298	U,M,G	0.717	-3.75	U,G	10.6	0.394	U,G	1.02	4.17	G,TI	0.787	0.637	G,TI	0.592	-0.0853	U,G	0.638
DM-02-00-SL	0.0384	U,G	0.364	-1.3	U,G	8.9	0.19	U,G	0.473	2.15	G,TI	0.724	-0.12	U,G	0.498	-0.0866	U,G	0.248
EP-01-00-SL	0.125	U,G	0.228	0.463	U,G	3.78	0.226	U,G	0.439	0.408	G,TI	0.324	-0.133	U,G	0.367	-0.035	U,G	0.21
EP-02-00-SL	0.0039	U,G	0.339	1.35	U,G	4.8	0	U,G	0.782	0.34	G,TI	0.281	-0.0415	U,G	0.445	-0.0788	U,G	0.344
EP-03-00-SL	0.113	U,G	0.119	-0.738	U,G	2.7	-0.0266	U,G	0.492	0.0895	G,TI	0.0802	-0.00336	U,G	0.223	-0.0103	U,G	0.146
EP-04-00-SL	0.233	U,M,G	0.524	-1.94	U,G	8.85	0.232	U,G	0.872	2.12	G,TI	0.638	-0.0245	U,G	0.611	-0.0293	U,G	0.44
EP-04-00-SL-FD	0.166	U,G	0.267	-3.58	U,G	5.93	-0.0453	U,G	0.443	2.89	G,SI	0.557	-0.126	U,G	0.387	-0.0907	U,G	0.26
EP-05-00-SL	0.148	U,G	0.152	1.41	U,G	2.36	0.253	U,G	0.471	0.18	G,TI	0.126	-0.0476	U,G	0.224	-0.00869	U,G	0.181
EP-06-00-SL	0.244	U,G	0.291	-0.163	U,G	4.74	0.052	U,G	0.624	1.11	G,TI	0.417	0.0586	U,G	0.276	-0.104	U,G	0.341
EP-07-00-SL	-0.0534	U,G	0.3	1.37	U,G	5.05	0.25	U,G	0.99	0.0608	U,G	0.127	-0.12	U,G	0.457	-0.125	U,G	0.441
EP-08-00-SL	0.0729	U,G	0.212	1.32	U,G	2.88	0.136	U,G	0.539	0.144	U,G	0.183	0	U,G	0.32	0.0188	U,G	0.265
EP-09-00-SL	0.299	U,G	0.437	1.88	U,G	5.25	-0.488	U,G	1.26	0.0397	U,G	0.171	0.239	U,G	0.333	0.105	U,G	0.377
EP-10-00-SL	0.11	U,G	0.295	-0.486	U,G	5.49	0.144	U,G	0.688	0.46	G,TI	0.316	0.0827	U,G	0.384	-0.162	U,G	0.377
EP-11-00-SL	0.362	LT,G,T	0.236	0.69	U,G	5.76	0.276	U,G	0.742	-0.0448	U,G	0.18	0.055	U,G	0.456	-0.0346	U,G	0.519
EP-12-00-SL	0.247	U,G	0.284	0.856	U,G	4.11	0.242	U,G	0.688	0.00895	U,G	0.186	-0.0269	U,G	0.304	-0.00518	U,G	0.312
GS-01-00-SL	0.207	LT,G	0.195	1.04	U,G	2.57	0.311	U,G	0.711	0.0196	U,G	0.101	-0.186	U,G	0.37	0	U,G	0.291
GS-01-00-SL-FD	0.207	LT,G	0.172	-0.912	U,G	3.37	0.309	U,G	0.473	-0.0202	U,G	0.132	-0.115	U,G	0.306	0.00406	U,G	0.194
GS-02-00-SL	0.382	LT,G	0.218	0.997	U,G	2.88	-0.0564	U,G	0.602	-0.0267	U,G	0.106	-0.0615	U,G	0.265	0	U,G	0.217
GS-03-00-SL	0.155	LT,G	0.132	1.65	U,G	1.85	0.0519	U,G	0.488	0.0568	U,G	0.0829	-0.0566	U,G	0.243	0.0263	U,G	0.158
GS-04-00-SL	0.364	LT,G	0.171	0.0162	U,G	2.71	0.245	U,G	0.441	-0.00089	U,G	0.0859	-0.0444	U,G	0.223	0.0123	U,G	0.216
GS-05-00-SL	0.197	LT,G,T	0.189	0.29	U,G	2.61	0.153	U,G	0.445	-0.0107	U,G	0.0911	0.00495	U,G	0.233	0	U,G	0.157
LF-01-00-SL	0.112	U,G	0.247	0.554	U,G	4.07	0	U,G	0.982	-0.00957	U,G	0.133	0.124	U,G	0.341	0.0886	U,G	0.274
LF-02-00-SL	-0.0254	U,G	0.182	-0.07	U,G	2.67	0.0501	U,G	0.594	0.0523	U,G	0.0865	-0.18	U,G	0.324	-0.0696	U,G	0.27
LF-03-00-SL	0.133	U,G	0.209	-0.783	U,G	5.17	0.38	U,G	0.736	0.0102	U,G	0.13	-0.00576	U,G	0.364	0.13	U,G	0.248
LF-04-00-SL	0.0666	U,G	0.242	0.545	U,G	3.54	0.194	U,G	0.624	0.0339	U,G	0.117	-0.108	U,G	0.386	0	U,G	0.29
LF-05-00-SL	-0.0689	U,G	0.313	-1.32	U,G	4.68	0	U,G	0.872	0.0406	U,G	0.0977	0.0447	U,G	0.367	0	U,G	0.27
NB-01-00-SL	1.79	G	0.171	-1.37	U,G	3.09	0.0292	U,G	0.358	-0.0207	U,G	0.105	0.051	U,G	0.146	0.0611	U,G	0.149
NB-02-00-SL	0.891	G	0.12	-0.247	U,G	2.91	-0.0544	U,G	0.474	-0.014	U,G	0.0942	-0.0502	U,G	0.233	-0	U,G	0.204
NB-03-00-SL	1.01	G	0.198	-1.16	U,G	3.62	0.404	U,G	0.413	0.0366	U,G	0.0763	0.0371	U,G	0.224	-0.0307	U,G	0.182

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Cesium-137			Chromium-51			Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-04-00-SL	0.0862	U,G	0.204	0.793	U,G	3.16	0.0615	U,G	0.549	0.0128	U,G	0.0904	-0.0119	U,G	0.253	0.004	U,G	0.2
NB-05-00-SL	0.116	U,G	0.244	-0.315	U,G	3.3	0.355	U,G	0.829	-0.00987	U,G	0.126	-0.0738	U,G	0.398	0.0183	U,G	0.32
NB-06-00-SL	0.299	LT,G	0.184	0.0547	U,G	3.59	0.355	U,G	0.389	0.0167	U,G	0.0894	-0.135	U,G	0.313	0.0674	U,G	0.196
NB-07-00-SL	0.2	U,G	0.208	0.875	U,G	3.27	0.032	U,G	0.602	-0.0134	U,G	0.12	0.0913	U,G	0.242	0.0327	U,G	0.214
NB-07-00-SL-FD	0.127	U,G	0.198	0.554	U,G	2.6	0.0918	U,G	0.535	-0.00786	U,G	0.0977	-0.0244	U,G	0.238	-0.0083	U,G	0.208
NB-08-00-SL	0.277	LT,G	0.195	-0.837	U,G	2.67	0.131	U,G	0.501	-0.0512	U,G	0.111	-0.0221	U,G	0.191	-0.0297	U,G	0.159
NB-09-00-SL	0.308	LT,G	0.187	0.639	U,G	2.39	0.238	U,G	0.441	-0.0132	U,G	0.108	0.0796	U,G	0.235	0.0191	U,G	0.172
NB-10-00-SL	0.382	LT,G	0.144	-0.649	U,G	2.7	0.136	U,G	0.424	0.0194	U,G	0.085	-0.177	U,G	0.298	-0.00754	U,G	0.204
NB-11-00-SL	0.25	LT,G	0.121	0.189	U,G	2.96	0.212	U,G	0.456	0.06	U,G	0.101	0.0214	U,G	0.179	-0.0739	U,G	0.192
NB-12-00-SL	0.319	LT,G	0.17	0.113	U,G	3.21	0.0848	U,G	0.569	0.0326	U,G	0.0986	-0.052	U,G	0.241	-0.0289	U,G	0.174
NB-13-00-SL	0.311	LT,G	0.154	1.04	U,G	2.69	0.28	U,G	0.445	-0.0426	U,G	0.0996	-0.0648	U,G	0.23	-0.0285	U,G	0.174
NB-14-00-SL	0.0244	U,G	0.264	0.149	U,G	4.38	-0.0237	U,G	0.666	0.0396	U,G	0.155	-0.0183	U,G	0.349	-0.122	U,G	0.324
NB-15-00-SL	0.0316	U,G	0.135	0.498	U,G	2.23	0.0501	U,G	0.385	0.0189	U,G	0.0883	-0.0175	U,G	0.151	-0.00392	U,G	0.134
NB-16-00-SL	0.243	LT,G	0.127	0.0904	U,G	2.03	0.209	U,G	0.44	-0.0401	U,G	0.0988	-0.00251	U,G	0.189	-0.041	U,G	0.172
NB-17-00-SL	0.0382	U,G	0.184	0.514	U,G	2.42	-0.0702	U,G	0.58	-0.00989	U,G	0.106	-0.0728	U,G	0.224	0.0371	U,G	0.117
NB-18-00-SL	0.301	LT,G	0.176	0.642	U,G	2.66	0.0702	U,G	0.494	-0.0701	U,G	0.106	-0.048	U,G	0.282	-0.0982	U,G	0.249
NB-19-00-SL	0.244	LT,G	0.135	-0.0396	U,G	2.59	0.129	U,G	0.467	0.0271	U,G	0.0759	0.126	U,G	0.135	-0.0275	U,G	0.182
NB-20-00-SL	0.2	U,G	0.21	-0.202	U,G	2.55	0	U,G	0.508	-0.0026	U,G	0.0991	0.0563	U,G	0.179	-0.0513	U,G	0.181
NB-21-00-SL	0.00293	U,G	0.165	1.09	U,G	2.72	0.146	U,G	0.442	-0.0154	U,G	0.0999	0.00945	U,G	0.248	0.0748	U,G	0.134
NB-22-00-SL	0.234	LT,G	0.174	-0.647	U,G	3.57	0.242	U,G	0.528	0.0668	U,G	0.101	0.0249	U,G	0.207	0.0774	U,G	0.186
NB-23-00-SL	0.227	LT,G	0.194	-0.192	U,G	2.72	0.106	U,G	0.465	0.00792	U,G	0.0903	-0.0765	U,G	0.268	0.0725	U,G	0.165
NB-24-00-SL	0.192	LT,G	0.174	0	U,G	2.23	0.177	U,G	0.324	-0.0196	U,G	0.0915	-0.0303	U,G	0.174	-0.0317	U,G	0.154
NB-25-00-SL	0.199	LT,G	0.181	0.773	U,G	2.85	-0.0731	U,G	0.491	0.0203	U,G	0.0761	0	U,G	0.264	-0.00572	U,G	0.169
NB-26-00-SL	1.13	G	0.126	-0.797	U,G	2.3	-0.102	U,G	0.405	-0.0162	U,G	0.0785	-0.0382	U,G	0.163	0.0234	U,G	0.125
NB-27-00-SL	0.452	LT,G	0.181	-0.179	U,G	3.21	0.193	U,G	0.482	-0.0294	U,G	0.136	-0.049	U,G	0.285	0.0275	U,G	0.227
NB-27-00-SL-FD	0.488	LT,G	0.193	-1.29	U,G	4.19	0.0187	U,G	0.502	0	U,G	0.102	0.12	U,G	0.239	0.0563	U,G	0.226
OA-01-00-SL	0.428	J	0.319	1.2	UJ	2.77	0.148	UJ	0.593	0.0622	UJ	0.158	0.0641	UJ	0.34	-0.113	UJ	0.426
OA-01-00-SL-FD	0.379	J	0.254	0.101	UJ	2.27	0.0126	UJ	0.472	0.0535	UJ	0.125	0.142	U	0.213	-0.0947	UJ	0.285
OA-02-00-SL	0.324	J	0.29	0.733	UJ	3.27	0.416	UJ	0.625	-0.0187	UJ	0.165	0.118	UJ	0.377	0.0299	UJ	0.359
OA-03-00-SL	0.174	U	0.206	0.883	UJ	2	-0.0276	UJ	0.581	0.00281	UJ	0.102	-0.0764	UJ	0.348	-0.0246	UJ	0.311
OA-04-00-SL	0.309	U,G	0.384	-1.05	U,G	3.75	0.461	G,TI	0.353	0.0547	U,G	0.266	-0.0926	U,G	0.357	0.00801	U,G	0.169
OA-05-00-SL	0.39	LT,G	0.184	0.536	U,G	2.37	0.222	U,G	0.651	-0.0212	U,G	0.126	0.024	U,G	0.198	-0.0448	U,G	0.237
OA-06-00-SL	-0.00267	U,G	0.165	0.678	U,G	2.39	0.0211	U,G	0.419	-0.0106	U,G	0.0827	-0.117	U,G	0.25	-0.00757	U,G	0.177
OA-07-00-SL	0.156	LT,G	0.143	-0.308	U,G	2.9	0.24	U,G	0.506	-0.0178	U,G	0.105	-0.113	U,G	0.272	0.00657	U,G	0.155
OA-08-00-SL	0.147	LT,G	0.116	-0.19	U,G	2.72	0.0124	U,G	0.441	0.366	G,TI	0.17	0.0559	U,G	0.219	-0.0462	U,G	0.138
OA-09-00-SL	0.0817	U,G	0.158	0.41	U,G	2.89	0.344	U,G	0.409	0.0146	U,G	0.104	0.00093	U,G	0.207	0.0498	U,G	0.18
OA-10-00-SL	0.136	U,G	0.162	-0.329	U,G	3.78	-0.0509	U,G	0.574	0.0413	U,G	0.11	-0.099	U,G	0.355	0.0191	U,G	0.229
OA-11-00-SL	-0.0249	U,G	0.234	-0.32	U,G	4.16	-0.118	U,G	0.822	0.0342	U,G	0.136	0.075	U,G	0.329	-0.159	U,G	0.363
OA-12-00-SL	0.0291	U,G	0.284	0.387	U,G	3.77	0.307	U,G	0.74	0.0459	U,G	0.123	-0.0971	U,G	0.435	0	U,G	0.209
OA-13-00-SL	-0.0431	U,G	0.27	-0.573	U,G	4.07	0.424	U,G	0.631	-0.0317	U,G	0.169	-0.115	U,G	0.412	0.0887	U,G	0.206
OA-14-00-SL	0.333	LT,G	0.272	-0.773	U,G	4.44	-0.097	U,G	0.738	0.044	U,G	0.143	-0.0692	U,G	0.398	-0.0224	U,G	0.294
OA-15-00-SL	0.101	U,G	0.29	-2.24	U,G	4.75	0.283	U,G	0.66	-0.0149	U,G	0.133	-0.128	U,G	0.436	-0.0115	U,G	0.374
OA-16-00-SL	0.0838	U,G	0.2	-0.773	U,G	3.64	0.137	U,G	0.483	0.0515	U,G	0.0865	-0.134	U,G	0.347	-0.0669	U,G	0.256
OA-20-00-SL	0.0609	U,G	0.203	-0.473	U,G	3.27	0.457	G,TI	0.379	0.0302	U,G	0.0975	-0.0141	U,G	0.285	0.0259	U,G	0.222
OA-21-00-SL	-0.0112	U,G	0.232	-0.144	U,G	3.24	0.136	U,G	0.588	0.0231	U,G	0.147	-0.0158	U,G	0.317	0.00446	U,G	0.219
OA-22-00-SL	0	U	0.134	0.337	U	2.26	0.169	U	0.348	0.0006	U	0.089	-0.0225	U	0.195	0.065	U	0.121
OA-23-00-SL	0.0632	U	0.136	0.241	U	2.9	0.0651	U	0.319	1.65	TI	0.402	-0.081	U	0.223	0	U	0.168

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Cesium-137			Chromium-51			Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
OA-24-00-SL	0.279	LT,G	0.217	0.783	U,G	3.52	0.366	U,G	0.709	0.00834	U,G	0.119	-0.16	U,G	0.386	0.0338	U,G	0.291
OA-25-00-SL	0.0459	U,G	0.194	-0.466	U,G	2.73	0.0872	U,G	0.512	0.0278	U,G	0.0876	-0.144	U,G	0.294	0.0883	U,G	0.242
OA-26-00-SL	0.0514	U	0.231	-0.266	U	4.32	0.169	U	0.471	0.438	TI	0.312	0.0528	U	0.319	0.041	U	0.266
OA-27-00-SL	0.0797	U,G	0.187	0.313	U,G	2.56	-0.0702	U,G	0.512	0.0147	U,G	0.0857	-0.0158	U,G	0.226	0.0956	U,G	0.111
OA-28-00-SL	0.261	LT,G	0.166	0.312	U,G	2.13	0.0865	U,G	0.424	0.00318	U,G	0.0895	-0.0362	U,G	0.21	-0.042	U,G	0.177
OA-29-00-SL	0.112	U,G	0.154	0.707	U,G	2.23	0.218	U,G	0.392	0.0095	U,G	0.0801	0.0196	U,G	0.22	0.0469	U,G	0.168
OA-30-00-SL	0.201	LT,G,T	0.182	-0.466	U,G	3.03	0.11	U,G	0.632	0	U,G	0.109	0.00397	U,G	0.241	0	U,G	0.269
OA-31-00-SL	0.155	LT,G,T	0.142	-0.239	U,G	2.03	0.275	U,G	0.364	-0.0343	U,G	0.0979	-0.0455	U,G	0.207	-0.0236	U,G	0.166
OA-32-00-SL	0.0329	U,G	0.202	-0.17	U,G	2.27	-0.061	U,G	0.406	-0.0103	U,G	0.084	0.0588	U,G	0.203	-0.0539	U,G	0.218
OA-33-00-SL	0.166	LT,G,T	0.149	-0.488	U,G	2.26	0.205	U,G	0.338	0.0289	U,G	0.0885	0.104	U,G	0.142	-0.0161	U,G	0.144
OA-34-00-SL	0.187	TI,LT	0.166	0.878	U,G	2.67	0.426	G,TI	0.312	0.00495	U,G	0.0922	-0.0448	U,G	0.198	-0.0534	U,G	0.171
OA-35-00-SL	0.132	U,G	0.245	-1.11	U,G	3.86	0.0813	U,G	0.655	0.0116	U,G	0.139	0.0327	U,G	0.308	0.0467	U,G	0.248
OA-36-00-SL	0.295	LT,G	0.195	1.06	U,G	3.2	0.234	U,G	0.589	0.0634	U,G	0.0992	0.00426	U,G	0.259	-0.0146	U,G	0.244
OA-37-00-SL	0.389	LT,G	0.25	0	U,G	4.57	-0.0136	U,G	0.905	-0.0264	U,G	0.135	-0.24	U,G	0.456	0.0306	U,G	0.331
OA-38-00-SL	0.431	LT,G	0.2	0.702	U,G	2.88	0.316	U,G	0.372	-0.00882	U,G	0.0988	0.212	G,TI	0.196	0.0273	U,G	0.195
OA-39-00-SL	0.411	LT,G	0.141	-0.0966	U,G	2.6	0.13	U,G	0.329	0.00766	U,G	0.0912	0	U,G	0.178	0.0836	U,G	0.0908
OA-40-00-SL	0.304	LT,G	0.146	-1.12	U,G	3.82	-0.0541	U,G	0.577	-0.00279	U,G	0.0946	0.0118	U,G	0.205	-0.027	U,G	0.235
PL-01-00-SL	0.213	LT,G	0.163	0.903	U,G	2.61	0.327	U,G	0.501	-0.00439	U,G	0.113	0.0445	U,G	0.224	-0.0562	U,G	0.227
PL-02-00-SL	0.157	U,G	0.221	1.08	U,G	3.26	0.0596	U,G	0.561	0.0246	U,G	0.108	-0.0145	U,G	0.236	0.0743	U,G	0.16
PL-03-00-SL	0.248	LT,G	0.173	-0.732	U,G	3.17	0.267	U,G	0.441	0.00902	U,G	0.0904	-0.0935	U,G	0.26	-0.0172	U,G	0.172
RR-01-00-SL	0.353	J	0.302	-0.301	UJ	4.26	-0.0952	UJ	0.755	0.743	=	0.381	0.011	UJ	0.424	-0.177	UJ	0.491
RR-02-00-SL	0.0894	UJ	0.24	-0.567	UJ	2.28	0.114	UJ	0.598	-0.0181	UJ	0.125	0.0085	UJ	0.219	0.00676	UJ	0.232
RR-03-00-SL	0.019	UJ	0.325	1.05	UJ	3.7	0.388	UJ	0.726	-0.02	UJ	0.149	0.0283	UJ	0.436	0.0956	UJ	0.383
SW-01-00-SL	0.271	J	0.236	0.12	UJ	2.77	0.0828	UJ	0.634	0.0515	UJ	0.127	0.0338	UJ	0.324	0.0108	UJ	0.288
SW-02-00-SL	0.286	U	0.35	2.02	UJ	3.87	0.477	UJ	1.12	0.144	U	0.165	0.0276	UJ	0.451	-0.172	UJ	0.572
SW-03-00-SL	0.0378	UJ	0.246	-1.91	UJ	3.16	-0.021	UJ	0.525	-0.0129	UJ	0.107	0.0231	UJ	0.237	0.00501	UJ	0.206
SW-04-00-SL	0.29	U	0.425	-0.858	UJ	4.86	-0	UJ	0.885	0.0159	UJ	0.127	-0.0874	UJ	0.406	0.102	UJ	0.249
LS-01-00-SL	-0.00683	U	0.138	-0.894	U	2.28	0.272	U	0.41	-0.00962	U	0.0774	-0.044	U	0.236	0	U	0.202
LS-02-00-SL	-0.0402	U	0.151	-1.39	U	2.73	-0.0331	U	0.373	0.0149	U	0.0895	-0.115	U	0.24	-0.062	U	0.175
LS-03-00-SL	0.0577	U,G	0.157	-1.66	U,G	3.29	0.0221	U,G	0.437	0.00596	U,G	0.0998	0.0221	U,G	0.201	-0.00551	U,G	0.163

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Europium-152			Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-09-00-SL	-0.258	U,G	1.13	-0.456	U,G	1.27	0.248	U,G	0.513	0.387	U,G	5.59	0.18	U,G	0.636	0.535	G	0.301
BD-10-00-SL	-0.0116	U,G	0.892	-13.4	U,G	5.31	6.53	G	2.51	-2.47	U,G	7.13	-0.166	U,G	0.57	0.712	G	0.369
BD-11-00-SL	0.285	U,G	0.622	-7.58	U,G	4.16	4.79	G	2.22	-0.633	U,G	5.99	-0.11	U,G	0.603	1.5	G	0.331
BD-12-00-SL	0.109	U,G	1.49	-0.417	U,G	2.18	0.9	U,G	1.13	0.344	U,G	8.79	0.0208	U,G	1.04	0.763	G	0.418
BP-01-00-SL	0.364	U,G	1.13	-0.103	U,G	1.35	0.0232	U,G	0.42	0.17	U,G	2.61	0.14	U,G	0.779	0.71	G	0.323
BP-02-00-SL	0	U,G	0.796	-0.0821	U,G	0.986	0.0662	U,G	0.34	0	U,G	3.15	-0.0772	U,G	0.502	1.09	G	0.18
BP-03-00-SL	0	U,G	0.943	-0.413	U,G	1.21	1.29	G	0.969	-0.448	U,G	4.23	-0.245	U,G	0.722	1.4	G	0.205
BP-04-00-SL	0	U,G	0.867	-0.16	U,G	0.931	0.218	U,G	0.325	1.21	U,G	3.33	0.00677	U,G	0.57	0.846	G	0.273
BP-05-00-SL	-0.274	U,G	0.761	-0.082	U,G	0.85	0.12	U,G	0.329	-0.643	U,G	3.28	0.0515	U,G	0.549	1.31	G	0.213
BP-06-00-SL	-0.173	U,G	0.909	0.00732	U,G	0.835	0.163	U,G	0.319	0.0299	U,G	1.96	0	U,G	0.565	1.43	G	0.236
BP-07-00-SL	0.191	U,G	0.869	-1.07	U,G	2.08	2.87	G	1.31	0.439	U,G	4.72	0.0348	U,G	0.654	1.65	G	0.292
BP-08-00-SL	0.0574	U,G	1.63	-0.0935	U,G	1.51	2.68	G	1.16	-4.07	U,G	5.68	-0.0877	U,G	0.849	41.2	G	0.585
BP-09-00-SL	-0.159	U,G	1.12	-0.419	U,G	1.08	0.058	U,G	0.346	-0.227	U,G	2.54	0.229	U,G	0.538	1.27	G	0.258
BP-10-00-SL	0.251	U,G	0.657	0	U,G	0.906	-0.0615	U,G	0.408	-1.83	U,G	4.41	0.175	U,G	0.485	1.28	G	0.239
BP-11-00-SL	0	U,G	0.886	0.128	U,G	1.16	0.139	U,G	0.352	-1.96	U,G	6.18	-0.0376	U,G	0.74	1.34	G	0.256
BP-12-00-SL	0.0274	U,G	1.01	-0.215	U,G	1.06	-0.0426	U,G	0.359	0.0666	U,G	4.91	0.189	U,G	0.55	1.28	G	0.315
CB-01-00-SL	0.0224	UJ	1.15	-0.0268	UJ	1.55	-0.348	UJ	0.767	0.0198	UJ	0.869	0.0121	UJ	0.545	1.46	=	0.436
CB-01-00-SL-FD	-0.535	UJ	1.7	0	UJ	1.68	0.238	UJ	0.608	0.122	UJ	0.792	0.0845	UJ	0.704	0.943	=	0.327
DM-01-00-SL	0.995	U,G	1.2	0.876	U,G	2.75	24	G	2.96	0.314	U,G	15.6	-1.26	U,G	2.37	29.7	G	0.772
DM-02-00-SL	-0.501	U,G	1.26	-0.00978	U,G	1.36	-77.2	U,G	4.73	4.65	U,G	12.3	-0.142	U,G	0.764	0.47	U,G	0.573
EP-01-00-SL	-0.0864	U,G	0.93	-0.611	U,G	1.95	1.61	G	1.18	0.628	U,G	8.06	0.336	U,G	0.571	1.66	G	0.372
EP-02-00-SL	0.654	U,G	0.962	1.33	U,G	1.76	1.43	G	1.04	-2.39	U,G	9.71	-0.204	U,G	1.23	1.69	G	0.545
EP-03-00-SL	-0.174	U,G	0.76	-0.235	U,G	1.26	0.575	G	0.548	1.02	U,G	3.84	0.0253	U,G	0.493	1.35	G	0.226
EP-04-00-SL	-0.438	U,G	2.06	-2.96	U,G	4.93	8.77	G	2.64	4.52	U,G	13.6	0.268	U,G	1.29	3.42	G	0.641
EP-04-00-SL-FD	0.374	U,G	0.461	-2.08	U,G	1.91	10.9	G	2.69	-1.33	U,G	8.14	0.0298	U,G	0.634	5.03	G	0.475
EP-05-00-SL	0.14	U,G	0.725	-2.96	U,G	2.62	1.3	G	0.846	1.53	U,G	4.06	-0.054	U,G	0.591	1.24	G	0.238
EP-06-00-SL	0.13	U,G	1.7	-0.987	U,G	2.4	5.69	G	1.78	-3.66	U,G	9.03	-0.131	U,G	1.23	1.18	G	0.466
EP-07-00-SL	0.311	U,G	1.67	0	U,G	1.98	0.179	U,G	0.483	0.371	U,G	11.4	0.394	U,G	1.22	1.14	G	0.439
EP-08-00-SL	0.0927	U,G	1.11	-0.655	U,G	1.97	0.445	U,G	0.92	-0.728	U,G	6.95	-0.507	U,G	1.16	0.406	G	0.36
EP-09-00-SL	0.696	U,G	1.62	-0.737	U,G	2.67	0.483	U,G	0.514	-1.24	U,G	11.4	-0.891	U,G	1.89	1.16	G	0.475
EP-10-00-SL	-0.17	U,G	1.68	-7.13	U,G	5.85	2.07	G	1.72	1.84	U,G	8.1	0.0139	U,G	0.978	0.192	U,G	0.505
EP-11-00-SL	0.859	U,G	1.26	-1.46	U,G	2.84	0.104	U,G	0.577	2.86	U,G	10.6	-0.0581	U,G	1.45	0.552	G	0.504
EP-12-00-SL	0.077	U,G	1.54	0.424	U,G	1.95	0.649	U,G	0.698	0	U,G	7.6	-0.594	U,G	1.21	0.421	G	0.412
GS-01-00-SL	0.0233	U,G	1.48	-0.0267	U,G	1.33	0.0509	U,G	0.412	2.76	U,G	4.43	-0.277	U,G	0.971	0.571	G	0.242
GS-01-00-SL-FD	-0.439	U,G	1.12	0.336	U,G	1.1	0.221	U,G	0.542	-1.23	U,G	5.34	0.0687	U,G	0.626	0.62	G	0.37
GS-02-00-SL	0	U,G	0.526	0.0622	U,G	1.25	0.131	U,G	0.316	0.324	U,G	4.51	0.251	U,G	0.587	0.998	G	0.227
GS-03-00-SL	0	U,G	0.783	0.113	U,G	0.944	0.134	U,G	0.26	0.205	U,G	4.26	0.0182	U,G	0.504	0.535	G	0.208
GS-04-00-SL	-0.606	U,G	1.12	-0.261	U,G	1.13	0.114	U,G	0.343	0.851	U,G	3.33	-0.0624	U,G	0.718	1.15	G	0.222
GS-05-00-SL	-0.0648	U,G	0.914	-0.225	U,G	1.1	0.037	U,G	0.312	-1.23	U,G	4.87	-0.0747	U,G	0.686	0.694	G	0.212
LF-01-00-SL	0	U,G	1.92	-0.373	U,G	1.75	0.0222	U,G	0.427	-0.423	U,G	10.5	0.0331	U,G	1.24	0.733	G	0.42
LF-02-00-SL	0.108	U,G	1.29	-0.35	U,G	1.29	-0.113	U,G	0.359	0.845	U,G	5.3	-0.0334	U,G	0.743	0.154	U,G	0.208
LF-03-00-SL	-0.0877	U,G	1.44	0.432	U,G	1.78	-0.0822	U,G	0.621	-0.372	U,G	8.14	0.168	U,G	0.997	0.51	G	0.357
LF-04-00-SL	0	U,G	1.09	-0.449	U,G	1.56	0.268	U,G	0.467	0.0573	U,G	8.34	0.272	U,G	0.752	0.89	G	0.382
LF-05-00-SL	0.997	G,TI	0.337	0.106	U,G	1.38	0.00235	U,G	0.358	1.56	U,G	6.93	-0.127	U,G	1.18	0.823	G	0.403
NB-01-00-SL	0.328	U,G	0.772	-0.393	U,G	1.05	0.0448	U,G	0.391	-0.783	U,G	4.8	0	U,G	0.561	0.594	G	0.242
NB-02-00-SL	-0.0672	U,G	0.807	-0.234	U,G	0.824	0.0467	U,G	0.264	0.821	U,G	4.62	-0.0386	U,G	0.714	0.248	G	0.207
NB-03-00-SL	-0.263	U,G	1.06	-0.166	U,G	0.926	0.0122	U,G	0.308	0.211	U,G	4.94	-0.106	U,G	0.69	0.462	G	0.231

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Europium-152			Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-04-00-SL	0.524	U,G	0.981	0.00879	U,G	1	0.082	U,G	0.366	-1.04	U,G	4.61	-0.101	U,G	0.753	1.92	G	0.24
NB-05-00-SL	0.249	U,G	1.72	0.721	U,G	1.27	0.0959	U,G	0.459	1.72	U,G	4.86	0.109	U,G	1.13	1.02	G	0.28
NB-06-00-SL	0.0717	U,G	0.885	-0.1	U,G	1.04	-0.00354	U,G	0.357	0.382	U,G	4.27	-0.243	U,G	0.72	1.27	G	0.277
NB-07-00-SL	0.405	U,G	0.973	0.141	U,G	0.992	0.0141	U,G	0.376	-2.12	U,G	6.02	-0.00445	U,G	0.858	1.53	G	0.275
NB-07-00-SL-FD	-0.215	U,G	1.13	-0.155	U,G	1.04	0.282	U,G	0.353	0.356	U,G	3.98	0.0343	U,G	0.669	1.67	G	0.288
NB-08-00-SL	0.0585	U,G	0.929	0.105	U,G	0.834	0.152	U,G	0.395	0.816	U,G	4.16	-0.0659	U,G	0.597	1.29	G	0.335
NB-09-00-SL	0.536	U,G	0.716	0.214	U,G	0.97	-0.0376	U,G	0.414	0.999	U,G	4.09	-0.101	U,G	0.559	1.27	G	0.269
NB-10-00-SL	0.34	U,G	0.841	-0.00946	U,G	0.936	0.129	U,G	0.334	-1.06	U,G	4.53	0.142	U,G	0.565	1.06	G	0.341
NB-11-00-SL	0.198	U,G	0.946	-0.024	U,G	1.02	0.17	U,G	0.399	-1.19	U,G	3.84	0.121	U,G	0.453	1	G	0.317
NB-12-00-SL	0.143	U,G	1.01	0.187	U,G	0.935	0.245	U,G	0.289	1.78	U,G	4.43	0.208	U,G	0.627	1.09	G	0.284
NB-13-00-SL	0.327	U,G	0.845	0	U,G	0.862	0.00941	U,G	0.336	0.148	U,G	3.93	-0.0304	U,G	0.593	1.34	G	0.249
NB-14-00-SL	-0.444	U,G	1.51	0.125	U,G	1.32	-0.118	U,G	0.728	1.65	U,G	6.11	-0.0592	U,G	0.921	1.12	G	0.5
NB-15-00-SL	0.0464	U,G	0.736	-0.333	U,G	0.864	0.2	U,G	0.343	1.42	U,G	3.3	0.157	U,G	0.435	1.34	G	0.205
NB-16-00-SL	-0.148	U,G	0.697	0.222	U,G	0.739	0.022	U,G	0.359	0.598	U,G	3.88	0.282	U,G	0.47	1.26	G	0.242
NB-17-00-SL	-0.169	U,G	0.892	-0.303	U,G	0.95	0.391	G,TI	0.344	0.339	U,G	3.51	-0.0641	U,G	0.534	1.26	G	0.279
NB-18-00-SL	-0.2	U,G	1.05	0.0577	U,G	0.982	0.318	G,TI	0.294	-0.617	U,G	4.93	0.204	U,G	0.566	1.18	G	0.315
NB-19-00-SL	0	U,G	0.703	-0.0335	U,G	0.766	0.0587	U,G	0.297	-0.372	U,G	3.64	-0.0506	U,G	0.477	1.18	G	0.23
NB-20-00-SL	0.255	U,G	0.898	0.221	U,G	1.21	0.0835	U,G	0.321	0.126	U,G	2.58	0.067	U,G	0.565	1.1	G	0.245
NB-21-00-SL	-0.0618	U,G	0.928	-0.161	U,G	0.894	0.12	U,G	0.328	0.694	U,G	3.54	0.278	U,G	0.572	1.19	G	0.29
NB-22-00-SL	0.153	U,G	0.922	-0.2	U,G	1.25	0.194	U,G	0.352	-1.21	U,G	4.26	-0.443	U,G	0.93	1.15	G	0.22
NB-23-00-SL	0.248	U,G	0.648	-0.0979	U,G	0.872	0.0412	U,G	0.315	-0.206	U,G	4.26	-0.185	U,G	0.619	1.3	G	0.304
NB-24-00-SL	0.144	U,G	0.517	0	U,G	0.719	0.0714	U,G	0.324	-0.538	U,G	3.67	0.0811	U,G	0.471	0.938	G	0.22
NB-25-00-SL	0.0565	U,G	0.876	0.13	U,G	0.715	0.163	U,G	0.295	-1.99	U,G	4.15	0.221	U,G	0.445	0.787	G	0.243
NB-26-00-SL	0.277	U,G	0.554	0.207	U,G	0.543	0.134	U,G	0.257	0.33	U,G	3.22	0.0813	U,G	0.382	0.18	G	0.161
NB-27-00-SL	-0.154	U,G	1.09	-0.0694	U,G	1.08	0.0971	U,G	0.491	-1.17	U,G	5.68	-0.0449	U,G	0.738	0.511	G	0.348
NB-27-00-SL-FD	-0.278	U,G	1.22	0.491	U,G	1.3	0.119	U,G	0.441	-0.191	U,G	6.76	0.0903	U,G	0.604	0.575	G	0.336
OA-01-00-SL	-0.991	UJ	2.36	-1.08	UJ	2.17	0.306	UJ	0.53	0.45	UJ	2	0.0313	UJ	0.87	0.438	J	0.33
OA-01-00-SL-FD	-0.0896	UJ	1.26	-1.4	UJ	1.87	0.297	UJ	0.51	0.581	UJ	1.21	0.121	UJ	0.436	0.466	=	0.294
OA-02-00-SL	0	UJ	1.79	0	UJ	2.1	0.284	UJ	0.521	0.513	UJ	2.45	0.0132	UJ	1.11	0.756	=	0.418
OA-03-00-SL	-0.0978	UJ	1.28	-0.34	UJ	1.66	-0.0472	UJ	0.455	0	UJ	1.91	-0.0884	UJ	0.802	0.753	=	0.383
OA-04-00-SL	0.0527	U,G	0.918	-4.45	U,G	3.3	0.432	U,G	1.3	-0.346	U,G	3.83	0.135	U,G	0.508	1.43	G	0.456
OA-05-00-SL	0.592	U,G	0.688	-0.322	U,G	1.21	0.0752	U,G	0.373	-0.705	U,G	2.89	0.233	U,G	0.59	1.36	G	0.254
OA-06-00-SL	-0.141	U,G	0.997	0.0704	U,G	0.965	0.122	U,G	0.28	-0.94	U,G	6.84	-0.0621	U,G	0.605	1.3	G	0.202
OA-07-00-SL	0.287	U,G	0.799	-0.19	U,G	0.943	0.305	U,G	0.329	-1.29	U,G	4.73	0.0962	U,G	0.737	1.32	G	0.229
OA-08-00-SL	0.304	U,G	0.76	-0.5	U,G	1.62	0.733	U,G	0.85	-2.02	U,G	5.21	0	U,G	0.489	1.4	G	0.234
OA-09-00-SL	0.205	U,G	1.05	0.192	U,G	1.01	0.0597	U,G	0.425	-0.545	U,G	4.88	-0.135	U,G	0.692	0.756	G	0.293
OA-10-00-SL	0.283	U,G	1.33	-0.333	U,G	1.45	0.214	U,G	0.441	-3.75	U,G	8.12	-0.0487	U,G	0.957	0.683	G	0.342
OA-11-00-SL	-0.246	U,G	1.59	0.448	U,G	1.5	0.396	U,G	0.566	2.29	U,G	7.44	0.0186	U,G	0.928	0.315	U,G	0.358
OA-12-00-SL	-0.333	U,G	1.57	0.392	U,G	1.38	-0.015	U,G	0.579	3.43	U,G	7.15	-0.0318	U,G	0.883	0.833	G	0.346
OA-13-00-SL	0	U,G	1.44	-0.194	U,G	1.36	0.185	U,G	0.66	-0.85	U,G	7.81	0.471	U,G	0.872	0.957	G	0.383
OA-14-00-SL	0.332	U,G	1.33	-0.684	U,G	1.84	0.112	U,G	0.609	-0.918	U,G	8.13	0.0952	U,G	0.881	1.01	G	0.358
OA-15-00-SL	0.142	U,G	1.4	-0.0992	U,G	1.97	0.18	U,G	0.613	-1	U,G	8.34	0.302	U,G	0.814	0.728	G	0.438
OA-16-00-SL	0.189	U,G	1.02	-0.0823	U,G	1.37	0.0659	U,G	0.423	0.554	U,G	6.07	0.0536	U,G	0.894	0.518	G	0.345
OA-20-00-SL	0.0963	U,G	1.26	-0.0837	U,G	1.18	0.0729	U,G	0.403	1.13	U,G	5.52	0.109	U,G	0.716	0.221	U,G	0.386
OA-21-00-SL	-0.0883	U,G	1.21	-0.339	U,G	1.77	0.248	U,G	0.586	-0.26	U,G	5.83	0.0793	U,G	0.689	0.107	U,G	0.28
OA-22-00-SL	-0.321	U	0.964	-0.454	U	1.21	0.013	U	0.424	-1.71	U	4.61	-0.0295	U	0.621	0.0592	U	0.21
OA-23-00-SL	0.138	U	0.742	0.0609	U	0.655	5		2.04	0.432	U	4.5	0.174	U	0.592	0.26	U	0.284

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Europium-152			Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
OA-24-00-SL	-0.503	U,G	1.44	0.437	U,G	1.46	0.084	U,G	0.521	-0.564	U,G	7.2	-0.281	U,G	1.15	0.736	G	0.37
OA-25-00-SL	-0.118	U,G	1.27	0.347	U,G	1.07	0.0154	U,G	0.386	0.564	U,G	4.98	-0.0371	U,G	0.759	0.254	G	0.216
OA-26-00-SL	0.183	U	0.996	-4.72	U	4.59	1.37	U	1.45	0.239	U	5.86	0.2	U	0.769	0.249	U	0.368
OA-27-00-SL	0.296	U,G	0.436	0.154	U,G	0.773	0.0999	U,G	0.277	-0.617	U,G	4.27	0.0651	U,G	0.603	0.845	G	0.269
OA-28-00-SL	-0.102	U,G	0.846	0	U,G	0.997	0.17	U,G	0.368	-0.835	U,G	2.13	0.0781	U,G	0.507	1.17	G	0.201
OA-29-00-SL	-0.035	U,G	1.01	0.0505	U,G	0.859	0.112	U,G	0.285	-0.768	U,G	2.2	-0.0534	U,G	0.599	1.19	G	0.212
OA-30-00-SL	-0.22	U,G	1.17	-0.319	U,G	1.28	0.12	U,G	0.356	-1.13	U,G	3.23	0.0405	U,G	0.651	1.15	G	0.25
OA-31-00-SL	0.259	U,G	0.731	-0.419	U,G	1.04	0.192	U,G	0.389	0.77	U,G	1.82	-0.0532	U,G	0.5	1.36	G	0.273
OA-32-00-SL	0.48	U,G	0.755	0.155	U,G	0.938	0.00603	U,G	0.332	0.927	U,G	1.97	-0.133	U,G	0.52	1.14	G	0.293
OA-33-00-SL	-0.053	U,G	0.922	0	U,G	0.956	0.167	U,G	0.406	-0.35	U,G	2.1	0.163	U,G	0.383	1.47	G	0.238
OA-34-00-SL	-0.255	U,G	0.765	0.137	U,G	0.687	0.161	U,G	0.374	1.08	U,G	3.96	-0.0299	U,G	0.583	1.41	G	0.191
OA-35-00-SL	-0.0229	U,G	1.18	0.372	U,G	1.13	0.0116	U,G	0.608	3.26	U,G	5.96	0.214	U,G	0.784	0.804	G	0.358
OA-36-00-SL	-0.0724	U,G	1.02	-0.0629	U,G	0.944	0.0305	U,G	0.348	-1.07	U,G	5.41	0.307	U,G	0.62	0.849	G	0.312
OA-37-00-SL	-0.228	U,G	1.52	-0.169	U,G	1.68	-0.213	U,G	0.655	3.52	U,G	6.07	-0.114	U,G	1.14	0.863	G	0.405
OA-38-00-SL	0.471	U,G	0.831	-0.128	U,G	1.09	0.219	U,G	0.325	-0.424	U,G	5.23	0.101	U,G	0.697	1.15	G	0.278
OA-39-00-SL	-0.0504	U,G	0.757	-0.181	U,G	0.91	0.0281	U,G	0.376	0.179	U,G	4.22	0	U,G	0.445	1.09	G	0.245
OA-40-00-SL	0.334	U,G	0.876	-0.116	U,G	1.2	-0.0299	U,G	0.34	-1.31	U,G	6.11	0.123	U,G	0.646	0.999	G	0.243
PL-01-00-SL	-0.146	U,G	1.05	-0.271	U,G	1	0.196	U,G	0.344	1.02	U,G	4.66	0.0636	U,G	0.62	1.37	G	0.242
PL-02-00-SL	0.147	U,G	0.965	-0.256	U,G	1.11	0.128	U,G	0.351	-1.17	U,G	6.63	0	U,G	0.782	0.957	G	0.305
PL-03-00-SL	0.0934	U,G	0.843	-0.068	U,G	0.961	0.162	U,G	0.306	-1.42	U,G	4.7	-0.416	U,G	0.812	1.01	G	0.257
RR-01-00-SL	-0.295	UJ	2.08	0.249	UJ	2.66	3.22	=	1.64	0.178	UJ	1.52	0.366	UJ	0.854	2.27	=	0.617
RR-02-00-SL	0.504	UJ	0.742	-0.438	UJ	1.65	0.0852	UJ	0.482	0.162	UJ	1.68	0.0455	UJ	0.489	0.998	=	0.329
RR-03-00-SL	0.159	UJ	1.17	-0.807	UJ	2.34	0.12	UJ	0.482	-0.81	UJ	2.88	-0.274	UJ	1.25	0.919	=	0.454
SW-01-00-SL	-0.107	UJ	1.28	-0.65	UJ	1.92	0.345	UJ	0.625	-0.0859	UJ	2.02	-0.0482	UJ	0.724	0.87	=	0.372
SW-02-00-SL	1.03	U	1.26	-0.868	UJ	3.17	0.907	J	0.889	1.06	UJ	2.87	0.424	UJ	0.962	2.14	=	0.6
SW-03-00-SL	0.199	UJ	0.925	-0.0865	UJ	1.22	0.114	UJ	0.423	0.321	UJ	1.46	0	UJ	0.589	0.745	=	0.304
SW-04-00-SL	0.507	UJ	2.22	-0.572	UJ	2.02	0.0195	UJ	0.485	-0.64	UJ	2.67	0.0224	UJ	1.19	0.92	=	0.479
LS-01-00-SL	0.0171	U	1.09	0.174	U	0.988	-0.0435	U	0.326	-0.901	U	4.07	-0.114	U	0.656	0.139	U	0.158
LS-02-00-SL	-0.122	U	0.569	-0.0541	U	0.763	-0.0497	U	0.311	0.735	U	3.17	0.0246	U	0.4	-0.0236	U	0.217
LS-03-00-SL	0.308	U,G	0.549	-0.275	U,G	0.978	0.25	U,G	0.318	-0.684	U,G	4.75	-0.282	U,G	0.687	0.73	G	0.29

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94			Niobium-95		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-09-00-SL	0.296	U,G,J	0.402	-0.0243	U,G	0.217	0.0102	U	0.0171	-26.5	U,G	49.8	0.0463	U,G	0.209	-0.0345	U,G	0.294
BD-10-00-SL	0.69	G,J	0.317	-0.00588	U,G	0.209				0.0541	U,G	0.355	-0.0195	U,G	0.206	1.88	G,SI	0.311
BD-11-00-SL	1.13	G,J	0.346	-0.0117	U,G	0.217				-0.0396	U,G	0.336	-0.117	U,G	0.214	1.88	G,SI	0.314
BD-12-00-SL	0.491	G,J	0.48	-0.0683	U,G	0.35	0.0566		0.0268	0.0157	U,G	0.422	-0.0151	U,G	0.329	0.0993	U,G	0.438
BP-01-00-SL	0.792	G,J	0.446	-0.217	U,G	0.345				-0.0423	U,G	0.375	0.0817	U,G	0.216	-0.0686	U,G	0.398
BP-02-00-SL	0.927	G,J	0.251	0.032	U,G	0.136				-0.0458	U,G	0.205	-0.0622	U,G	0.141	0.008	U,G	0.216
BP-03-00-SL	0.977	G,J	0.301	-0.0111	U,G	0.175	0.0421	LT	0.0216	-0.0321	U,G	0.266	0.0112	U,G	0.171	-0.0182	U,G	0.292
BP-04-00-SL	0.752	G,J	0.243	-0.0133	U,G	0.172	-0.00088	U	0.0181	0.12	U,G	0.182	0.0383	U,G	0.15	-0.0348	U,G	0.268
BP-05-00-SL	1.26	G,J	0.268	0.0294	U,G	0.15				0.0458	U,G	0.191	0.0565	U,G	0.11	-0.0674	U,G	0.227
BP-06-00-SL	1.08	G,J	0.249	-0.00728	U,G	0.171				-0.043	U,G	0.26	0.012	U,G	0.141	-0.0273	U,G	0.236
BP-07-00-SL	0.885	G,J	0.327	-0.163	U,G	0.251	0.066		0.0241	-0.134	U,G	0.352	-0.132	U,G	0.224	0.133	U,G	0.285
BP-08-00-SL	1.59	G,J	0.616	0.392	G,SI	0.258				-0.128	U,G	0.668	-0.0976	U,G	0.411	0.306	U,G	0.457
BP-09-00-SL	1.18	G,J	0.262	-0.0331	U,G	0.215				-0.104	U,G	0.296	0	U,G	0.141	0.0103	U,G	0.194
BP-10-00-SL	1.43	G,J	0.332	0.0105	U,G	0.16				0.0251	U,G	0.225	-0.0248	U,G	0.155	-0.0588	U,G	0.272
BP-11-00-SL	1.31	G,J	0.319	0.0149	U,G	0.201				-3.25	U,G	22.5	0.00107	U,G	0.191	-0.0142	U,G	0.327
BP-12-00-SL	1.44	G,J	0.289	-0.00821	U,G	0.184				-0.109	U,G	0.284	-0.0532	U,G	0.204	-0.055	U,G	0.241
CB-01-00-SL	0.728	=	0.406	0.0242	UJ	0.234	0.0121	U	0.0343	-4.7	UJ	49	-0.0793	UJ	0.242	0.0713	UJ	0.236
CB-01-00-SL-FD	0.8	=	0.557	-0.0461	UJ	0.265				-0.0466	UJ	0.331	-0.0124	UJ	0.279	-0.004	UJ	0.301
DM-01-00-SL	1.38	G,J	0.881	0.609	G,SI	0.492				0.0246	U,G	0.89	0.172	U,G	0.535	0.364	U,G	0.818
DM-02-00-SL	0.679	G,J	0.625	0.0223	U,G	0.325				0.0499	U,G	0.775	-0.126	U,G	0.382	6.86	G,SI	0.51
EP-01-00-SL	1.45	G,J	0.477	0.0835	U,G	0.249				0.44	G	0.329	0.0168	U,G	0.202	0.6	G,SI	0.31
EP-02-00-SL	1.21	G,J	0.628	-0.133	U,G	0.371	0.584		0.0224	0.547	G	0.409	0.0125	U,G	0.339	0.454	G,TI	0.432
EP-03-00-SL	1.19	G,J	0.252	0.0597	U,G	0.153	0.0403	LT	0.0186	-8.35	U,G	50.6	-0.0162	U,G	0.138	0.0356	U,G	0.246
EP-04-00-SL	0.117	U,G,J	0.932	-0.274	U,G	0.571				-0.12	U,G	0.871	-0.296	U,G	0.583	2.13	G,SI	0.66
EP-04-00-SL-FD	0.959	G,J	0.446	0.00778	U,G	0.287				0.137	U,G	0.506	-0.196	U,G	0.302	3	G,SI	0.416
EP-05-00-SL	1.07	G,J	0.309	0.0635	U,G	0.169				-0.0409	U,G	0.287	0.0629	U,G	0.156	0.524	G,SI	0.252
EP-06-00-SL	0.476	U,G,J	0.489	-0.0847	U,G	0.328				-0.0422	U,G	0.388	0.0852	U,G	0.243	-0.00901	U,G	0.47
EP-07-00-SL	0.616	G,J	0.497	0.0888	U,G	0.368				0.152	U,G	0.373	0.1	U,G	0.306	-0.0973	U,G	0.565
EP-08-00-SL	1.02	G,J	0.449	-0.0772	U,G	0.259				-39.6	U,G	74.7	-0.00416	U,G	0.217	0.111	U,G	0.317
EP-09-00-SL	1.32	G,J	0.663	0.157	U,G	0.299	-0.00618	U	0.0278	0.215	U,G	0.521	-0.117	U,G	0.452	0.173	U,G	0.454
EP-10-00-SL	0.789	G,J	0.479	-0.177	U,G	0.369	0.103		0.0163	-0.295	U,G	0.509	0.00337	U,G	0.322	1.35	G,SI	0.424
EP-11-00-SL	0.979	G,J	0.564	-0.17	U,G	0.373	0.00528	U	0.0151	-0.0336	U,G	0.597	0.0306	U,G	0.369	0.195	U,G	0.515
EP-12-00-SL	0.873	G,J	0.438	0.158	U,G	0.212	0.0113	U	0.0326	-0.134	U,G	0.399	0.0879	U,G	0.27	0.134	U,G	0.414
GS-01-00-SL	0.571	G,J	0.391	0.0813	U,G	0.238				-9.52	U,G	22.3	0.0982	U,G	0.204	0.0634	U,G	0.297
GS-01-00-SL-FD	0.807	G,J	0.378	0.113	U,G	0.207				-0.0164	U,G	0.325	-0.0429	U,G	0.218	0.0053	U,G	0.257
GS-02-00-SL	1.08	G,J	0.337	0.0175	U,G	0.211				-7.58	U,G	21.7	-0.0217	U,G	0.216	-0.0438	U,G	0.327
GS-03-00-SL	0.455	G,J	0.288	-0.0706	U,G	0.182				-1.3	U,G	14.8	-0.0283	U,G	0.164	0.00775	U,G	0.243
GS-04-00-SL	1.16	G,J	0.273	0.0585	U,G	0.168				-3.01	U,G	18	0.0747	U,G	0.17	0.011	U,G	0.214
GS-05-00-SL	0.759	G,J	0.268	0.0084	U,G	0.146				-3.73	U,G	18.7	-0.0338	U,G	0.152	0.061	U,G	0.209
LF-01-00-SL	0.695	G,J	0.495	0.045	U,G	0.36				-0.0414	U,G	0.488	-0.00402	U,G	0.302	0.0272	U,G	0.466
LF-02-00-SL	0.333	U,G,J	0.37	-0.00047	U,G	0.203				-0.0121	U,G	0.254	0.0936	U,G	0.18	0.0258	U,G	0.262
LF-03-00-SL	0.585	G,J	0.441	0.0778	U,G	0.242				-6.69	U,G	29.4	-0.0974	U,G	0.354	0.0706	U,G	0.403
LF-04-00-SL	0.907	G,J	0.439	0.0559	U,G	0.213				0.126	U,G	0.326	0.044	U,G	0.238	0.0763	U,G	0.382
LF-05-00-SL	0.558	G,J	0.342	-0.00174	U,G	0.271				-0.0325	U,G	0.404	-0.0649	U,G	0.297	0.0463	U,G	0.396
NB-01-00-SL	0.798	G,J	0.279	0.0156	U,G	0.15				-0.0655	U,G	17.4	-0.0271	U,G	0.166	-0.0197	U,G	0.245
NB-02-00-SL	0.491	G,J	0.242	-0.00487	U,G	0.12				-0.0611	U,G	0.253	-0.107	U,G	0.207	-0.0278	U,G	0.235
NB-03-00-SL	0.569	G,J	0.24	0.00911	U,G	0.183	-0.00308	U	0.0237	-0.0791	U,G	0.31	0.0147	U,G	0.161	0.123	U,G	0.205

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94			Niobium-95		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-04-00-SL	1.97	G,J	0.375	0.0709	U,G	0.208				0.0371	U,G	0.308	0.101	U,G	0.18	0.118	U,G	0.288
NB-05-00-SL	1.01	G,J	0.466	-0.0671	U,G	0.288				-5.92	U,G	22.4	-0.00685	U,G	0.259	0.149	U,G	0.353
NB-06-00-SL	1.25	G,J	0.243	-0.0643	U,G	0.221	0.00732	U	0.0256	-0.0467	U,G	0.273	0.00745	U,G	0.171	-0.073	U,G	0.333
NB-07-00-SL	1.13	G,J	0.342	0.014	U,G	0.206				0.122	U,G	0.24	0.122	U,G	0.16	-0.0897	U,G	0.342
NB-07-00-SL-FD	1.39	G,J	0.352	0.0367	U,G	0.179				-8.93	U,G	19.5	0.0895	U,G	0.159	-0.145	U,G	0.319
NB-08-00-SL	1.28	G,J	0.285	-0.00332	U,G	0.174				0.0489	U,G	0.244	0.029	U,G	0.141	-0.145	U,G	0.291
NB-09-00-SL	1.29	G,J	0.357	0.0113	U,G	0.196				-3.19	U,G	20.5	0	U,G	0.153	-0.0178	U,G	0.303
NB-10-00-SL	0.953	G,J	0.35	0.0381	U,G	0.173				-5.51	U,G	21	-0.031	U,G	0.186	-0.138	U,G	0.325
NB-11-00-SL	1.12	G,J	0.244	-0.0646	U,G	0.194	0.00256	U	0.0345	-14.6	U,G	36.3	0	U,G	0.161	0.0849	U,G	0.214
NB-12-00-SL	1.2	G,J	0.369	-0.0382	U,G	0.188	-0.00292	U	0.0218	-0.00176	U,G	0.305	0.0238	U,G	0.196	-0.142	U,G	0.344
NB-13-00-SL	1.24	G,J	0.291	0.0325	U,G	0.203				-0.0696	U,G	0.274	-0.0991	U,G	0.186	-0.0856	U,G	0.262
NB-14-00-SL	1.05	G,J	0.438	0.00983	U,G	0.278	0.00156	U	0.0182	-0.184	U,G	0.436	0.0318	U,G	0.262	-0.0327	U,G	0.356
NB-15-00-SL	1.38	G,J	0.206	-0.0387	U,G	0.179				0.0542	U,G	0.198	0.0516	U,G	0.115	-0.123	U,G	0.266
NB-16-00-SL	1.02	G,J	0.261	0.0159	U,G	0.168				-0.221	U,G	16.2	0.0489	U,G	0.134	-0.0735	U,G	0.248
NB-17-00-SL	1.23	G,J	0.324	0.0235	U,G	0.16				0.0188	U,G	0.26	-0.0348	U,G	0.17	-0.156	U,G	0.301
NB-18-00-SL	1.16	G,J	0.303	-0.00896	U,G	0.186				0.0375	U,G	0.282	0.0291	U,G	0.171	0.166	U,G	0.253
NB-19-00-SL	0.99	G,J	0.23	-0.027	U,G	0.162				0.032	U,G	0.224	-0	U,G	0.132	-0.0089	U,G	0.214
NB-20-00-SL	1.15	G,J	0.299	0.0743	U,G	0.16				-10.6	U,G	21.6	-0.0295	U,G	0.17	0.0197	U,G	0.211
NB-21-00-SL	0.944	G,J	0.28	-0.0409	U,G	0.167				0.00911	U,G	0.258	0.0125	U,G	0.174	-0.131	U,G	0.283
NB-22-00-SL	1	G,J	0.303	0.0133	U,G	0.195				-3.17	U,G	23.7	0.0899	U,G	0.144	-0.163	U,G	0.351
NB-23-00-SL	1.12	G,J	0.298	0.0493	U,G	0.175	0.00465	U	0.0179	-1.17	U,G	18.1	-0.0134	U,G	0.167	-0.0757	U,G	0.265
NB-24-00-SL	1.18	G,J	0.259	0.0091	U,G	0.158				-2.56	U,G	16.2	-0.0297	U,G	0.133	-0.146	U,G	0.275
NB-25-00-SL	0.712	G,J	0.257	0	U,G	0.18				-1.02	U,G	17.2	0.00685	U,G	0.178	-0.0777	U,G	0.23
NB-26-00-SL	0.474	G,J	0.211	-0.0378	U,G	0.138				0.0539	U,G	0.164	-0.0114	U,G	0.115	-0.0309	U,G	0.178
NB-27-00-SL	0.58	G,J	0.341	0.0248	U,G	0.195				-0.171	U,G	0.324	0.05	U,G	0.186	0.141	U,G	0.24
NB-27-00-SL-FD	1.03	G,J	0.419	0.0523	U,G	0.204				-0.115	U,G	0.345	0.109	U,G	0.199	-0.0482	U,G	0.386
OA-01-00-SL	0.749	=	0.548	-0.00763	UJ	0.252	0.016	U	0.0169	-4.24	UJ	61.5	-0.0914	UJ	0.348	0.0914	UJ	0.358
OA-01-00-SL-FD	0.549	=	0.42	-0.107	UJ	0.256				0.026	UJ	0.284	-0.0104	UJ	0.181	0.0552	UJ	0.277
OA-02-00-SL	0.817	=	0.525	0.215	U	0.283	0.0101	U	0.0394	0.039	UJ	0.406	-0.0225	UJ	0.321	-0.076	UJ	0.439
OA-03-00-SL	0.908	=	0.493	0.036	UJ	0.269				-4.4	UJ	23.7	-0.0567	UJ	0.242	-0.159	UJ	0.36
OA-04-00-SL	1.18	G,J	0.491	-0.0138	U,G	0.269				0.0352	U,G	0.417	-0.0848	U,G	0.249	3.49	G,SI	0.411
OA-05-00-SL	1.22	G,J	0.333	0.12	G,TI	0.119				0.0292	U,G	0.285	0.0515	U,G	0.198	-0.129	U,G	0.293
OA-06-00-SL	1.11	G,J	0.275	0.0228	U,G	0.152				-0.0571	U,G	0.256	-0.117	U,G	0.181	0.159	U,G	0.244
OA-07-00-SL	1.12	G,J	0.313	0.0168	U,G	0.174	0.00331	U	0.0224	-17.8	U,G	34.2	0.0272	U,G	0.149	-0.0897	U,G	0.275
OA-08-00-SL	1.06	G,J	0.274	-0.112	U,G	0.196	0.0184	LT	0.0161	0.135	U,G	0.231	0.0125	U,G	0.162	0.488	G,SI	0.217
OA-09-00-SL	0.882	G,J	0.259	0.0526	U,G	0.167				-2.76	U,G	22.1	0.029	U,G	0.157	0.0568	U,G	0.273
OA-10-00-SL	0.834	G,J	0.353	0.0714	U,G	0.238				0	U,G	0.336	0.106	U,G	0.237	0.021	U,G	0.302
OA-11-00-SL	0.842	G,J	0.424	-0.0794	U,G	0.294	0.00694	U	0.0295	0.0568	U,G	0.369	0.075	U,G	0.309	0.0265	U,G	0.429
OA-12-00-SL	0.983	G,J	0.421	0	U,G	0.269				0.0516	U,G	0.376	-0.0332	U,G	0.27	0.203	U,G	0.334
OA-13-00-SL	1.09	G,J	0.517	-0.0455	U,G	0.286				-12	U,G	56.2	0.152	U,G	0.256	-0.0787	U,G	0.457
OA-14-00-SL	0.997	G,J	0.429	0.174	U,G	0.217				-0.137	U,G	0.394	-0.114	U,G	0.278	-0.247	U,G	0.533
OA-15-00-SL	0.636	G,J	0.518	-0.077	U,G	0.333				0.115	U,G	0.342	-0.0779	U,G	0.323	-0.0967	U,G	0.47
OA-16-00-SL	0.782	G,J	0.327	-0.0188	U,G	0.268	0.00614	U	0.0175	0.0548	U,G	0.284	-0.0876	U,G	0.213	-0.1	U,G	0.37
OA-20-00-SL	0.955	G,J	0.399	-0.0314	U,G	0.262				-0.0139	U,G	0.28	0.0111	U,G	0.186	-0.0533	U,G	0.3
OA-21-00-SL	0.857	G,J	0.431	0.033	U,G	0.182				-17.8	U,G	49.3	0	U,G	0.256	0.119	U,G	0.315
OA-22-00-SL	0.895	J	0.264	0.0428	U	0.117	0.00272	U	0.0367	0.0397	U	0.187	0.0364	U	0.144	-0.0461	U	0.268
OA-23-00-SL	0.441	J	0.395	0.0378	U	0.144				-0.096	U	0.272	-0.0546	U	0.173	0.133	U	0.257

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94			Niobium-95		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
OA-24-00-SL	1.1	G,J	0.456	-0.0173	U,G	0.219				-0.0415	U,G	0.378	-0.0421	U,G	0.265	0.048	U,G	0.395
OA-25-00-SL	0.438	G,J	0.357	0.00681	U,G	0.205				-0.185	U,G	0.243	-0.0011	U,G	0.182	0.13	U,G	0.233
OA-26-00-SL	0.747	J	0.34	0.0255	U	0.224	0.119		0.0347	0	U	0.316	0.0911	U	0.251	0.626	SI	0.383
OA-27-00-SL	1.04	G,J	0.292	0.0179	U,G	0.145				0.0233	U,G	0.195	-0.00686	U,G	0.158	0.0614	U,G	0.227
OA-28-00-SL	1.07	G,J	0.299	-0.0361	U,G	0.165				0.0764	U,G	0.195	0.0943	U,G	0.118	-0.0344	U,G	0.2
OA-29-00-SL	1.02	G,J	0.274	0.0387	U,G	0.123				-2.53	U,G	18.8	0.0191	U,G	0.15	0.0869	U,G	0.206
OA-30-00-SL	0.866	G,J	0.338	-0.113	U,G	0.239				-5.14	U,G	22.6	0.0117	U,G	0.179	0	U,G	0.299
OA-31-00-SL	1.23	G,J	0.285	0.062	U,G	0.132				-3.79	U,G	19	0.0577	U,G	0.144	-0.159	U,G	0.241
OA-32-00-SL	1.08	G,J	0.255	0.0618	U,G	0.14				-0.254	U,G	17.9	-0.0509	U,G	0.179	0.0193	U,G	0.194
OA-33-00-SL	1.15	G,J	0.306	-0.0644	U,G	0.188				0	U,G	0.23	-0.0197	U,G	0.154	-0.114	U,G	0.294
OA-34-00-SL	1.02	G,J	0.286	0.0175	U,G	0.169				0.0085	U,G	0.213	-0.0252	U,G	0.164	-0.128	U,G	0.3
OA-35-00-SL	0.709	G,J	0.339	0.222	G,TI	0.19				-0.00575	U,G	0.359	0.04	U,G	0.228	0.054	U,G	0.319
OA-36-00-SL	0.9	G,J	0.302	0.0661	U,G	0.191				-0.0925	U,G	0.324	0.044	U,G	0.182	0.0158	U,G	0.315
OA-37-00-SL	0.898	G,J	0.488	0.0757	U,G	0.279	0	U	0.0086	-0.0585	U,G	0.393	-0.136	U,G	0.33	0.0954	U,G	0.376
OA-38-00-SL	1.03	G,J	0.304	-0.052	U,G	0.194				-0.0831	U,G	0.29	0.035	U,G	0.141	0	U,G	0.274
OA-39-00-SL	1.14	G,J	0.254	0.0902	U,G	0.144				-1.87	U,G	17.8	0.0187	U,G	0.129	0.0622	U,G	0.239
OA-40-00-SL	0.931	G,J	0.328	-0.106	U,G	0.217				0.0674	U,G	0.213	-0.00483	U,G	0.163	-0.0454	U,G	0.264
PL-01-00-SL	1.03	G,J	0.29	-0.0328	U,G	0.201	0.00101	U	0.0223	-13.3	U,G	37.7	-0.0861	U,G	0.189	0.0221	U,G	0.242
PL-02-00-SL	1.07	G,J	0.303	0.0448	U,G	0.188				-0.0362	U,G	0.319	0.0458	U,G	0.179	-0.181	U,G	0.372
PL-03-00-SL	1.36	G,J	0.248	0.00765	U,G	0.176				-4.08	U,G	18.3	0.0371	U,G	0.155	-0.155	U,G	0.354
RR-01-00-SL	0.595	U	0.68	-0.107	UJ	0.378	0.108		0.0363	-0.106	UJ	0.682	0.075	UJ	0.403	0.715	J	0.494
RR-02-00-SL	0.957	=	0.47	-0.101	UJ	0.335				-0.0146	UJ	0.303	0.0234	UJ	0.256	-0.0248	UJ	0.336
RR-03-00-SL	1.29	=	0.637	0.0321	UJ	0.264				0.114	UJ	0.477	-0.0262	UJ	0.355	0.0777	UJ	0.402
SW-01-00-SL	1.14	=	0.474	-0.0656	UJ	0.294	0.0211	U	0.0256	-11.2	UJ	46.2	0	UJ	0.242	0.00219	UJ	0.393
SW-02-00-SL	1.15	=	0.673	-0.0461	UJ	0.376				-0.0335	UJ	0.596	0.0964	UJ	0.421	0.174	UJ	0.544
SW-03-00-SL	0.924	=	0.36	0.0262	UJ	0.251				0.0722	UJ	0.252	-0.0462	UJ	0.225	-0.0266	UJ	0.344
SW-04-00-SL	0.893	=	0.634	0.173	UJ	0.302				0.0957	UJ	0.522	-0.0418	UJ	0.349	-0.0893	UJ	0.518
LS-01-00-SL	0.757	J	0.306	-0.00439	U	0.172				0.0186	U	0.203	0.00088	U	0.16	0.21	TI	0.196
LS-02-00-SL	0.404	J	0.259	-0.0527	U	0.16				-0.019	U	0.185	-0.0403	U	0.149	-0.038	U	0.218
LS-03-00-SL	0.835	G,J	0.279	-0.0082	U,G	0.175				0.0149	U,G	0.262	-0.0665	U,G	0.17	0.022	U,G	0.234

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Plutonium 238 (A)			Plutonium 239/240 (A)			Potassium-40			Protactinium-234			Ruthenium-106			Scandium 46		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-09-00-SL	-0.00208	U	0.0155	0.00211	U	0.0057	6.35	G	2.82	16	U,G	24.7	-0.503	U,G	1.82	-0.14	U,G	0.317
BD-10-00-SL							3.45	G	2.03	670	G	24.9	0.506	U,G	1.74	-0.0764	U,G	0.244
BD-11-00-SL							15.4	G	1.8	562	G	36.4	-1.09	U,G	2.09	-0.0225	U,G	0.245
BD-12-00-SL	0.00305	U	0.0117	0.00794	LT	0.0054	12.2	G	4.23	49.3	G,TI	47.5	0.244	U,G	2.3	0.0216	U,G	0.305
BP-01-00-SL							14	G	3.66	3.1	U,G	40.7	0.251	U,G	1.99	0.0419	U,G	0.295
BP-02-00-SL							12.8	G	1.74	7.43	U,G	27.8	0	U,G	1.04	0.0575	U,G	0.163
BP-03-00-SL	0.00714	U	0.0173	0.00706	LT	0.0064	18.6	G	2.2	31.1	G,TI	22	-0.399	U,G	1.53	0.0461	U,G	0.209
BP-04-00-SL	-0.00097	U	0.0123	0.00207	U	0.0056	11.8	G	1.75	3.22	U,G	25.6	0.207	U,G	1.43	0.0119	U,G	0.199
BP-05-00-SL							19	G	1.61	9.9	U,G	22.4	-0.497	U,G	1.36	0.0955	U,G	0.169
BP-06-00-SL							17.6	G	1.47	7.74	U,G	21.9	-0.202	U,G	1.47	0.0386	U,G	0.167
BP-07-00-SL	-0.00394	U	0.0224	0.00676	U	0.0223	18.4	G	1.6	41.5	G	23	1.08	U,G	1.23	-0.0835	U,G	0.294
BP-08-00-SL							18.8	G	3.14	-7.7	U,G	44.5	0.538	U,G	3.53	-0.196	U,G	0.449
BP-09-00-SL							18.7	G	1.71	4.39	U,G	25.8	0.189	U,G	1.56	-0.0267	U,G	0.236
BP-10-00-SL							16.6	G	1.93	1.36	U,G	26.4	0.122	U,G	1.33	0.0455	U,G	0.194
BP-11-00-SL							18.3	G	1.75	13.5	U,G	32.2	-0.166	U,G	1.86	0.0436	U,G	0.264
BP-12-00-SL							17.7	G	1.97	12.1	U,G	28.8	0.301	U,G	1.27	0.029	U,G	0.239
CB-01-00-SL	-0.00106	U	0.0137	0.00163	U	0.0123	17.8	=	3.06	15.9	UJ	45.8	-0.119	UJ	2.16	-0.0342	UJ	0.25
CB-01-00-SL-FD							14.4	=	3.74	16.9	UJ	49	-0.115	UJ	2.09	-0.0174	UJ	0.284
DM-01-00-SL							9.01	G	4.88	0	U,G	76.9	-0.447	U,G	5.21	0	U,G	0.699
DM-02-00-SL							5	G	1.84	2200	G	37.1	-0.376	U,G	3.6	0.0765	U,G	0.361
EP-01-00-SL							2.61	U,G	2.9	160	G	38.3	0.202	U,G	2.09	-0.0175	U,G	0.263
EP-02-00-SL	0.0222	LT	0.0159	0.0297	LT	0.0129	10.3	G	3.47	70.1	G	65.4	-0.689	U,G	2.94	-0.0747	U,G	0.415
EP-03-00-SL	0.00455	U	0.0062	0.00004	U	0.0166	21	G	1.36	30.5	G	28.4	0.265	U,G	1.22	0.0809	U,G	0.147
EP-04-00-SL							3.99	U,G	4.47	731	G	72.5	-1.23	U,G	4.34	-0.0555	U,G	0.608
EP-04-00-SL-FD							5.28	G	2.03	936	G	32	0.564	U,G	2.66	0	U,G	0.317
EP-05-00-SL							23.7	G	1.52	125	G	27.3	-1.01	U,G	1.76	0.00382	U,G	0.27
EP-06-00-SL							6.03	G	3.62	39.6	U,G	62.2	-0.137	U,G	2.58	0	U,G	0.394
EP-07-00-SL							10	G	4.13	19.8	U,G	47.7	-0.328	U,G	3.3	0.149	U,G	0.497
EP-08-00-SL							7.29	G	2.61	44.4	G,TI	43	0.108	U,G	1.72	0.0377	U,G	0.342
EP-09-00-SL	0.00575	U	0.0134	0.00798	U	0.0133	15.6	G	5.49	8.88	U,G	74	0	U,G	2.92	-0.0333	U,G	0.529
EP-10-00-SL	-0.00106	U	0.0133	0.0045	U	0.0061	6.14	G	3.96	354	G	46.1	-0.436	U,G	2.73	-0.154	U,G	0.433
EP-11-00-SL	-0.00328	U	0.0192	0.0105	U	0.0137	10.8	G	4.57	39.4	U,G	61.8	-0.363	U,G	3.54	0.0988	U,G	0.432
EP-12-00-SL	0.00337	U	0.013	0.00453	U	0.0158	6.15	G	3.9	29.8	U,G	51.4	-0.231	U,G	2.32	0.204	U,G	0.324
GS-01-00-SL							21.3	G	3.73	-3.6	U,G	42.7	-0.663	U,G	2.14	-0.0645	U,G	0.33
GS-01-00-SL-FD							20.7	G	3.08	-15.5	U,G	39.6	0.17	U,G	2.02	-0.126	U,G	0.298
GS-02-00-SL							19.4	G	2.27	-3.75	U,G	41	-0.16	U,G	1.71	0	U,G	0.279
GS-03-00-SL							10.9	G	1.69	-1.71	U,G	31	-0.219	U,G	1.47	0	U,G	0.153
GS-04-00-SL							19.4	G	1.64	4.75	U,G	28.5	-0.0745	U,G	1.57	0.0336	U,G	0.207
GS-05-00-SL							15.3	G	2.16	5.09	U,G	26.9	0.0726	U,G	1.09	-0	U,G	0.245
LF-01-00-SL							8.99	G	4.61	-3.75	U,G	62.4	0.465	U,G	2.33	0.169	U,G	0.423
LF-02-00-SL							7.64	G	2.93	14.4	U,G	32.1	0.113	U,G	1.81	0.00391	U,G	0.238
LF-03-00-SL							8.4	G	3.68	19.7	U,G	48.4	0	U,G	2.65	0	U,G	0.369
LF-04-00-SL							13.3	G	3.86	-8.12	U,G	42.9	-0.237	U,G	2.39	0	U,G	0.291
LF-05-00-SL							11.3	G	3.24	-6.36	U,G	47.8	-0.659	U,G	2.19	0.0478	U,G	0.359
NB-01-00-SL							14.1	G	1.57	-8.89	U,G	31.6	0.0665	U,G	1.42	-0.106	U,G	0.232
NB-02-00-SL							9.79	G	2	1.76	U,G	23.1	-0.454	U,G	1.52	0	U,G	0.2
NB-03-00-SL	0	U	0.0061	0.0334	LT	0.006	12.8	G	1.58	-2.03	U,G	25.7	0.108	U,G	1.47	0.0671	U,G	0.186

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Plutonium 238 (A)			Plutonium 239/240 (A)			Potassium-40			Protactinium-234			Ruthenium-106			Scandium 46		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-04-00-SL							23.6	G	2.02	6.23	U,G	27.3	0.571	U,G	1.58	0.0944	U,G	0.23
NB-05-00-SL							21.2	G	3.96	7.66	U,G	42.1	0.268	U,G	2.31	-0.0364	U,G	0.353
NB-06-00-SL	-0.00169	U	0.0189	0.0155	LT	0.0133	17.2	G	2.37	6.18	U,G	26	0.228	U,G	1.63	-0.0507	U,G	0.239
NB-07-00-SL							17.3	G	2.89	2.12	U,G	33.7	-0.272	U,G	1.88	-0.0157	U,G	0.274
NB-07-00-SL-FD							19.8	G	2.76	1.37	U,G	27.2	0.0091	U,G	1.63	-0.0517	U,G	0.246
NB-08-00-SL							19.1	G	2.26	-7.93	U,G	34.7	-0.283	U,G	1.63	0.0439	U,G	0.167
NB-09-00-SL							18.3	G	2.42	-8.07	U,G	32.5	-0.288	U,G	1.54	-0.0532	U,G	0.241
NB-10-00-SL							16.6	G	1.84	-0.143	U,G	29.4	0.463	U,G	1.69	-0.0511	U,G	0.236
NB-11-00-SL	-0.00102	U	0.0128	0.012	U	0.0127	17.2	G	1.63	14.5	U,G	25.8	-0.464	U,G	1.55	-0.0357	U,G	0.224
NB-12-00-SL	-0.00081	U	0.0166	0.00712	U	0.0119	14	G	2.46	5.63	U,G	29.8	0.401	U,G	1.71	-0.0556	U,G	0.242
NB-13-00-SL							17.8	G	1.92	-11	U,G	31	0.0886	U,G	1.68	0.0294	U,G	0.226
NB-14-00-SL	-0.00086	U	0.0109	-0.00173	U	0.0133	16.8	G	3.34	8.28	U,G	41.9	-0.872	U,G	2.56	-0.143	U,G	0.348
NB-15-00-SL							17.6	G	1.54	-1.26	U,G	23.7	-0.561	U,G	1.26	-0.0753	U,G	0.206
NB-16-00-SL							21.2	G	1.74	-4.01	U,G	25.2	0.299	U,G	1.28	-0.0464	U,G	0.24
NB-17-00-SL							18.5	G	2.16	3.05	U,G	24.2	0.613	U,G	1.41	0.0448	U,G	0.179
NB-18-00-SL							17.9	G	2.45	5.89	U,G	24.2	-0.426	U,G	1.64	-0.0435	U,G	0.274
NB-19-00-SL							17.3	G	1.23	-2.43	U,G	21.6	-0.0335	U,G	1.4	0.00181	U,G	0.217
NB-20-00-SL							14.7	G	1.87	1.67	U,G	33.6	0.423	U,G	0.995	-0.047	U,G	0.229
NB-21-00-SL							17.1	G	1.73	-1.62	U,G	24.3	0.208	U,G	1.1	0.012	U,G	0.217
NB-22-00-SL							14.6	G	2.35	0	U,G	40.4	0.344	U,G	1.93	-0.0744	U,G	0.299
NB-23-00-SL	0	U	0.0047	0.00697	U	0.0124	15.2	G	1.58	-2.95	U,G	26.3	-0.0815	U,G	1.58	-0.011	U,G	0.204
NB-24-00-SL							12.9	G	2.06	5.2	U,G	22.7	-0.581	U,G	1.4	-0.0789	U,G	0.209
NB-25-00-SL							11	G	1.59	5.43	U,G	21.6	0.0585	U,G	1.58	-0.026	U,G	0.234
NB-26-00-SL							10.1	G	1.65	2.5	U,G	16.4	-0.168	U,G	1.23	-0.00287	U,G	0.135
NB-27-00-SL							12.9	G	3	15	U,G	27.9	-0.618	U,G	1.96	-0	U,G	0.252
NB-27-00-SL-FD							14.3	G	2.85	-9.88	U,G	46.5	0.324	U,G	2.11	-0.0187	U,G	0.325
OA-01-00-SL	-0.0001	U	0.0161	0.0144	LT	0.0113	6.41	J	4.62	25.3	UJ	47.4	0.436	UJ	2.31	-0.143	UJ	0.398
OA-01-00-SL-FD							5.43	J	3.52	40	J	28.3	0.49	UJ	1.78	-0.036	UJ	0.221
OA-02-00-SL	0.00022	U	0.016	0.00503	U	0.0151	13	=	3.77	22.9	UJ	60.5	1.53	UJ	2.67	0.176	UJ	0.302
OA-03-00-SL							16	=	3.01	10.3	UJ	42.8	-0.749	UJ	2.15	-0.0103	UJ	0.321
OA-04-00-SL							16.8	G	2.09	1010	G	37.2	0.252	U,G	2.27	-0.0163	U,G	0.242
OA-05-00-SL							22.4	G	2.21	11.6	U,G	32.4	1.15	U,G	1.23	-0.0137	U,G	0.257
OA-06-00-SL							18.5	G	1.43	5.83	U,G	24.6	0.436	U,G	1.31	0.018	U,G	0.22
OA-07-00-SL	0	U	0.006	0.00113	U	0.0132	17	G	1.76	8.84	U,G	25.7	1.43	G,TI	1.35	0.00795	U,G	0.235
OA-08-00-SL	0.00128	U	0.015	0.00629	U	0.015	15.8	G	1.77	94.8	G	25.8	0.737	U,G	1.24	-0.0375	U,G	0.196
OA-09-00-SL							10.8	G	2.1	0.862	U,G	34.1	0.0663	U,G	1.41	-0.0563	U,G	0.24
OA-10-00-SL							14.7	G	3.21	15.1	U,G	27	-0.11	U,G	2	0.095	U,G	0.249
OA-11-00-SL	-0.00175	U	0.0135	0.00844	U	0.011	9.06	G	3.02	5.58	U,G	47.2	-0.551	U,G	2.59	0.116	U,G	0.233
OA-12-00-SL							10.4	G	3.83	-8.87	U,G	51.5	0.13	U,G	2.35	0.0224	U,G	0.355
OA-13-00-SL							14.1	G	3.02	2.92	U,G	35	-0.894	U,G	2.49	0.0221	U,G	0.368
OA-14-00-SL							12.9	G	3.18	8.84	U,G	44.3	1.03	U,G	1.55	-0.134	U,G	0.372
OA-15-00-SL							12.2	G	2.84	15.9	U,G	49.9	-0.512	U,G	2.87	0.135	U,G	0.27
OA-16-00-SL	0	U	0.0054	0.00203	U	0.0145	13.7	G	3.78	0	U,G	37.2	0	U,G	1.77	-0.0597	U,G	0.278
OA-20-00-SL							6.44	G	3.01	-10.1	U,G	40	-0.324	U,G	2.11	0.124	U,G	0.234
OA-21-00-SL							3.13	U,G	3.23	14.1	U,G	44.2	-0.297	U,G	2.17	0.0174	U,G	0.246
OA-22-00-SL	-0.00105	U	0.0128	0.00322	U	0.0127	0.418	U	2.04	17.1	U	27.1	-0.224	U	1.36	-0.0129	U	0.205
OA-23-00-SL							1.13	U	2.07	46.1		18.2	0.241	U	1.51	-0.0695	U	0.232

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Plutonium 238 (A)			Plutonium 239/240 (A)			Potassium-40			Protactinium-234			Ruthenium-106			Scandium 46		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
OA-24-00-SL							13	G	3.41	2.51	U,G	49.8	0.108	U,G	2.23	0	U,G	0.3
OA-25-00-SL							4.88	G	2.88	-2.46	U,G	36	0.897	U,G	1.69	-0.193	U,G	0.32
OA-26-00-SL	0.00118	U	0.0131	0.00338	U	0.013	1.29	U	2.4	227		37.1	-0.365	U	2.45	0.016	U	0.254
OA-27-00-SL							14.8	G	1.86	-1.55	U,G	29.2	0	U,G	1.41	0.023	U,G	0.216
OA-28-00-SL							20.7	G	1.67	1.38	U,G	27.7	-0.182	U,G	1.46	0.0245	U,G	0.19
OA-29-00-SL							19.1	G	1.65	0.117	U,G	26	-0.0307	U,G	1.25	0.0499	U,G	0.185
OA-30-00-SL							19.6	G	2.33	5.78	U,G	37.6	0.163	U,G	1.48	-0.0407	U,G	0.226
OA-31-00-SL							18.9	G	1.87	14	U,G	18.4	0.372	U,G	1.28	-0.076	U,G	0.188
OA-32-00-SL							19.2	G	1.75	17	U,G	25.9	-0.652	U,G	1.6	-0.011	U,G	0.192
OA-33-00-SL							17.2	G	1.91	1.44	U,G	28	-0.127	U,G	1.35	0	U,G	0.167
OA-34-00-SL							15.3	G	1.68	0	U,G	23	-0.248	U,G	1.28	0.0507	U,G	0.157
OA-35-00-SL							15.3	G	3.22	2.08	U,G	39.5	-0.846	U,G	2.34	-0.0754	U,G	0.32
OA-36-00-SL							16.1	G	1.76	-1.9	U,G	31.6	0.407	U,G	1.64	0.0144	U,G	0.239
OA-37-00-SL	-0.00263	U	0.0171	0.00872	LT	0.0059	22.1	G	2.86	14.1	U,G	44.3	0	U,G	2.49	-0.0399	U,G	0.362
OA-38-00-SL							18.8	G	1.65	9.15	U,G	26.6	-0.729	U,G	1.78	-0.0649	U,G	0.261
OA-39-00-SL							16.4	G	1.62	-6.82	U,G	28.3	0.184	U,G	1.23	0.00209	U,G	0.184
OA-40-00-SL							15.2	G	2.17	3.5	U,G	33	-0.301	U,G	1.77	0.0398	U,G	0.241
PL-01-00-SL	0.00306	U	0.0138	0.00826	U	0.017	22.5	G	1.68	11.3	U,G	23.1	0.0162	U,G	1.72	0.0715	U,G	0.167
PL-02-00-SL							15.3	G	1.92	-5.78	U,G	35	-0.58	U,G	1.9	-0.0292	U,G	0.265
PL-03-00-SL							21.6	G	1.44	9.56	U,G	24.3	-0.553	U,G	1.71	0.0616	U,G	0.201
RR-01-00-SL	0.00008	U	0.0198	0.00008	U	0.0197	15.6	=	4.89	486	=	60.1	1.49	UJ	3.09	-0.139	UJ	0.451
RR-02-00-SL							14.4	=	3.38	2.65	UJ	37.3	0.882	UJ	1.75	0.0986	UJ	0.233
RR-03-00-SL							19.9	=	4.91	28.5	UJ	43.8	-0.49	UJ	3.39	0.0268	UJ	0.378
SW-01-00-SL	0.00019	U	0.0139	0.00916	U	0.0102	14.1	=	2.84	22.5	UJ	36.8	-0.351	UJ	2.42	-0.0541	UJ	0.317
SW-02-00-SL							13.4	=	4.32	83.1	J	47.1	0	UJ	3.75	0.0577	UJ	0.406
SW-03-00-SL							11.2	=	4.03	-5.23	UJ	43.6	0.327	UJ	1.9	0.0713	UJ	0.295
SW-04-00-SL							17.7	=	5.37	-4.32	UJ	68.6	-0.174	UJ	3.03	0	UJ	0.373
LS-01-00-SL							1.79	U	2.4	17.6	U	26.4	0.214	U	1.49	-0.0179	U	0.202
LS-02-00-SL							0.398	U	1.95	-3.26	U	31.8	-0.5	U	1.44	-0.0247	U	0.162
LS-03-00-SL							14.3	G	1.68	11.3	U,G	23.1	-1.3	U,G	1.8	0.0111	U,G	0.206

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Silver-110			Sodium-22			Technetium-99			Thallium-208			Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-09-00-SL	0.0571	U,G	0.137	-0.0341	U,G	0.205	86.9		0.743	0.106	U,G	0.259	-0.0672	U,G	0.976						
BD-10-00-SL	-0.0382	U,G	0.225	-0.0231	U,G	0.186	176	M3	3.28	0.267	G	0.182	0.106	U,G	1.83						
BD-11-00-SL	-0.0391	U,G	0.2	-0.0104	U,G	0.182	19	M3	5.79	0.395	G	0.181	-0.366	U,G	1.22						
BD-12-00-SL	0	U,G	0.305	-0.0375	U,G	0.371	574		0.853	0.216	U,G	0.322	-0.786	U,G	2.19						
BP-01-00-SL	-0.00886	U,G	0.298	-0.0236	U,G	0.333	0.593	U	0.797	0.0599	U,G	0.334	-0.469	U,G	1.12						
BP-02-00-SL	0.0312	U,G	0.14	-0.00728	U,G	0.153	1.13	LT	1.13	0.204	G	0.16	-3.28	U,G	19.2						
BP-03-00-SL	-0.0274	U,G	0.159	-0.0234	U,G	0.186	8.83		0.898	0.323	G	0.168	-0.178	U,G	1.12						
BP-04-00-SL	0.0372	U,G	0.147	-0.0727	U,G	0.22	68.3		0.855	0.256	G	0.179	0.184	U,G	0.865						
BP-05-00-SL	-0.0125	U,G	0.147	-0.0273	U,G	0.168	2.81	LT	0.897	0.338	G	0.161	-0.0392	U,G	1						
BP-06-00-SL	-0.104	U,G	0.171	-0.0423	U,G	0.22	6.36		0.809	0.418	G	0.126	-0.5	U,G	1						
BP-07-00-SL	-0.0935	U,G	0.229	-0.137	U,G	0.277	26.3		0.977	0.519	G	0.17	0.178	U,G	0.914						
BP-08-00-SL	0.24	U,G	0.359	0.0151	U,G	0.348	0.0335	U	0.792	12.1	G	0.343	21.5	U,G	64.3						
BP-09-00-SL	0.00591	U,G	0.155	0.0859	U,G	0.125	0.495	U	0.819	0.412	G	0.176	-0.165	U,G	1.15						
BP-10-00-SL	0.0551	U,G	0.147	-0.0669	U,G	0.233	0.546	U	0.886	0.365	G	0.122	0.473	U,G	0.975						
BP-11-00-SL	-0.0507	U,G	0.234	-0.0145	U,G	0.274	0.295	U	0.81	0.392	G	0.195	-0.276	U,G	1.14						
BP-12-00-SL	-0.0199	U,G	0.172	-0.0408	U,G	0.191	0.175	U	0.828	0.368	G	0.174	0.231	U,G	0.688						
CB-01-00-SL	-0.086	UJ	0.235	0	UJ	0.235	5.15	=	0.85	0.468	=	0.194	-3	UJ	2.57						
CB-01-00-SL-FD	-0.0642	UJ	0.25	0.0104	UJ	0.289	5.23	=	0.876	0.267	U	0.304	0.156	UJ	0.851						
DM-01-00-SL	0.109	U,G	0.628	-0.0554	U,G	0.59	35.8	M3	6.2	10.4	G	0.523	24.1	U,G	79.7						
DM-02-00-SL	0.101	U,G	0.368	0.0278	U,G	0.208	154	M3	6.61	-0.0452	U,G	0.401	0.747	U,G	2.51						
EP-01-00-SL	0	U,G	0.276	-0.0343	U,G	0.242	183		0.839	0.695	G	0.197	1.9	G	1.35						
EP-02-00-SL	0.0492	U,G	0.353	-0.102	U,G	0.336	219	M3	3.32	0.457	G	0.279	1.33	U,G	1.57						
EP-03-00-SL	-0.018	U,G	0.147	-0.0834	U,G	0.197	17.2		0.841	0.348	G	0.176	0.187	U,G	0.713						
EP-04-00-SL	-0.286	U,G	0.627	-0.0857	U,G	0.453	189	M3	6.37	1.07	G	0.451	-7.51	U,G	52.9						
EP-04-00-SL-FD	-0.174	U,G	0.306	-0.0222	U,G	0.217	207	M3	6.29	1.26	G	0.274	0.817	U,G	1.18						
EP-05-00-SL	-0.13	U,G	0.2	-0.0232	U,G	0.22	5.24		0.855	0.374	G	0.156	-0.394	U,G	0.852						
EP-06-00-SL	-0.0606	U,G	0.351	-0.102	U,G	0.381	51		0.866	0.355	G	0.285	0.791	U,G	1.54						
EP-07-00-SL	0.218	G,TI	0.216	-0.183	U,G	0.531	23.5		0.909	0.269	U,G	0.338	0.3	U,G	1.37						
EP-08-00-SL	-0.0985	U,G	0.269	0	U,G	0.241	3420		0.87	0.177	U,G	0.263	-0.0362	U,G	1.02						
EP-09-00-SL	-0.376	U,G	0.57	-0.0682	U,G	0.447	111		1.4	0.461	G	0.32	1.06	U,G	1.58						
EP-10-00-SL	-0.149	U,G	0.366	0.0862	U,G	0.201	17100	M3	6.24	0.0959	U,G	0.286	-0.322	U,G	1.79						
EP-11-00-SL	-0.249	U,G	0.479	-0.0336	U,G	0.505	112	M3	3.27	0.151	U,G	0.338	-0.332	U,G	2	0.9		0.0919	1.07		0.0931
EP-12-00-SL	-0.355	U,G	0.422	-0.0101	U,G	0.329	59.9		1.25	0.256	G	0.227	0.619	U,G	1.43						
GS-01-00-SL	-0.00357	U,G	0.286	-0.103	U,G	0.33	0.431	U	1.04	0.042	U,G	0.226	-0.751	U,G	1.35						
GS-01-00-SL-FD	-0.042	U,G	0.303	0.0319	U,G	0.249	-0.429	U	1.02	0.142	U,G	0.179	-2.03	U,G	2						
GS-02-00-SL	0.0182	U,G	0.309	-0.0564	U,G	0.224	0.385	U	0.823	0.223	G	0.187	0.295	U,G	1.02						
GS-03-00-SL	-0.0758	U,G	0.197	0.0128	U,G	0.154	-0.0783	U	0.941	0.167	G	0.156	-0.391	U,G	0.729						
GS-04-00-SL	0.015	U,G	0.252	-0.0444	U,G	0.22	0.0157	U	1.15	0.463	G	0.167	0.0471	U,G	0.994						
GS-05-00-SL	-0.137	U,G	0.248	-0.0255	U,G	0.192	0.326	U	0.993	0.176	G	0.175	0.0486	U,G	0.911						
LF-01-00-SL	-0.111	U,G	0.333	-0.0288	U,G	0.456	5.49		0.84	0.145	U,G	0.299	-0.33	U,G	1.62						
LF-02-00-SL	0.0694	U,G	0.147	0.107	U,G	0.241	0.902	LT	0.836	0.071	U,G	0.164	-0.64	U,G	1.12						
LF-03-00-SL	-0.03	U,G	0.272	0.0289	U,G	0.4	1.56	LT	0.866	0.102	U,G	0.305	-0.423	U,G	2.02						
LF-04-00-SL	-0.0944	U,G	0.271	-0.101	U,G	0.351	2.38	LT	1.02	0.188	U,G	0.216	-0.437	U,G	1.51						
LF-05-00-SL	0.032	U,G	0.244	0.0488	U,G	0.344	12.3		0.785	0.376	G	0.27	0.0401	U,G	1.2						
NB-01-00-SL	0.0678	U,G	0.131	-0.0207	U,G	0.193	0.807	U	1.09	0.126	U,G	0.146	0.328	U,G	1.04						
NB-02-00-SL	-0.0237	U,G	0.201	0	U,G	0.159	0.158	U	0.865	0.054	U,G	0.192	-0.0252	U,G	0.991	0.316		0.0704	0.415		0.0811
NB-03-00-SL	-0.0327	U,G	0.251	0.0271	U,G	0.211	0.891	U	1.01	0.144	U,G	0.165	0.255	U,G	0.892						

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Silver-110			Sodium-22			Technetium-99			Thallium-208			Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-04-00-SL	-0.0549	U,G	0.241	-0.0863	U,G	0.264	0.952	U	2.44	0.614	G	0.203	-0.4	U,G	0.937						
NB-05-00-SL	-0.0303	U,G	0.267	-0.134	U,G	0.373	0.154	U	1.3	0.264	G	0.214	-1.17	U,G	1.6						
NB-06-00-SL	-0.115	U,G	0.339	0.0132	U,G	0.233	-0.0905	U	0.888	0.251	G	0.209	0.0776	U,G	0.831	1.06		0.0965	1.09		0.0924
NB-07-00-SL	-0.0837	U,G	0.29	-0.016	U,G	0.253	0.377	U	0.858	0.332	G	0.185	0.212	U,G	0.893						
NB-07-00-SL-FD	-0.212	U,G	0.254	-0.101	U,G	0.266	-0.241	U	0.877	0.498	G	0.143	0.155	U,G	1.03						
NB-08-00-SL	0.04	U,G	0.151	0.0268	U,G	0.186	-0.293	U	0.837	0.404	G	0.184	-0.15	U,G	0.926						
NB-09-00-SL	-0.057	U,G	0.243	0.0107	U,G	0.229	0.452	U	0.926	0.382	G	0.212	0.536	U,G	0.741						
NB-10-00-SL	0.0342	U,G	0.248	-0.00844	U,G	0.211	0.148	U	0.903	0.343	G	0.17	-0.134	U,G	1.29						
NB-11-00-SL	0.0152	U,G	0.123	0.149	G,TI	0.082	12.7		1.09	0.34	G	0.179	-4.39	U,G	21.5						
NB-12-00-SL	0.0114	U,G	0.198	-0.0423	U,G	0.246	0.407	U	0.946	0.455	G	0.191	0.617	U,G	1.06						
NB-13-00-SL	-0.0219	U,G	0.25	-0.0657	U,G	0.222	1.2	LT	1.01	0.384	G	0.174	0.275	U,G	1.02						
NB-14-00-SL	-0.1	U,G	0.293	-0.0731	U,G	0.294	7.43	M3	3.31	0.293	G	0.237	-1.95	U,G	2.44	1.02		0.0637	1.05		0.0889
NB-15-00-SL	0.0254	U,G	0.11	-0.0415	U,G	0.204	1.81	LT	1.05	0.399	G	0.138	0.0597	U,G	0.892						
NB-16-00-SL	-0.0135	U,G	0.144	-0.0816	U,G	0.204	-0.135	U	0.892	0.454	G	0.139	-1.71	U,G	14						
NB-17-00-SL	-0.0385	U,G	0.181	-0.0313	U,G	0.188	-0.166	U	0.836	0.41	G	0.154	0.337	U,G	1.07						
NB-18-00-SL	0.0225	U,G	0.169	0.0406	U,G	0.188	0.401	U	0.834	0.297	G	0.185	-0.101	U,G	0.848						
NB-19-00-SL	0.0182	U,G	0.216	0.0127	U,G	0.142	0.774	U	0.85	0.38	G	0.128	-3.05	U,G	20.4						
NB-20-00-SL	0.0877	U,G	0.237	-0.0375	U,G	0.227	0.24	U	0.822	0.462	G	0.166	0.239	U,G	0.673						
NB-21-00-SL	0.0432	U,G	0.16	-0.0974	U,G	0.273	0.0628	U	0.808	0.262	G	0.136	0.0463	U,G	1.03						
NB-22-00-SL	-0.0586	U,G	0.225	-0.0454	U,G	0.227	2.34	U	2.5	0.261	G	0.193	-0	U,G	1.08						
NB-23-00-SL	-0.0221	U,G	0.263	0.0146	U,G	0.182	0.289	U	0.919	0.327	G	0.14	-0.0928	U,G	1.12						
NB-24-00-SL	0.0197	U,G	0.174	0.0545	U,G	0.109	0.401	U	0.918	0.337	G	0.116	-0.144	U,G	0.631						
NB-25-00-SL	-0.00756	U,G	0.248	-0.056	U,G	0.222	0.818	U	0.92	0.144	G	0.137	-0.0476	U,G	0.95						
NB-26-00-SL	0.0254	U,G	0.149	-0.0533	U,G	0.155	0.509	U	0.876	0.1	U,G	0.127	0	U,G	0.597						
NB-27-00-SL	-0.184	U,G	0.319	-0.0424	U,G	0.224	-0.147	U	1.18	0.138	U,G	0.166	-1.97	U,G	2.06						
NB-27-00-SL-FD	-0.0491	U,G	0.195	0.0368	U,G	0.241	0.361	U	1.09	0.154	U,G	0.23	0.145	U,G	0.94						
OA-01-00-SL	-0.0123	UJ	0.383	0.0275	UJ	0.255	10.3	=	1.04	0.191	UJ	0.31	-0.182	UJ	1.12						
OA-01-00-SL-FD	0.0564	UJ	0.24	0.0316	UJ	0.171	0.55	U	0.795	0.176	U	0.191	0.13	UJ	1.14						
OA-02-00-SL	-0.00216	UJ	0.311	0.029	UJ	0.348	7.39	=	0.864	0.336	J	0.302	-0.432	UJ	1.71						
OA-03-00-SL	-0.155	UJ	0.276	0.0918	UJ	0.187	0.396	UJ	0.98	0.224	U	0.255	0.249	UJ	1.36						
OA-04-00-SL	-0.0284	U,G	0.362	-0.0794	U,G	0.237	0.588	U	0.859	0.332	G	0.28	-308	U,G	509						
OA-05-00-SL	0.0602	U,G	0.202	-0.0727	U,G	0.253	0.451	U	0.844	0.348	G	0.206	0.111	U,G	0.839						
OA-06-00-SL	-0.0185	U,G	0.16	0.0198	U,G	0.197	0.41	U	0.792	0.462	G	0.146	-0.105	U,G	0.94						
OA-07-00-SL	0.0347	U,G	0.15	-0.0368	U,G	0.248	1.59	LT	0.839	0.365	G	0.142	-0.0936	U,G	0.734						
OA-08-00-SL	0.0208	U,G	0.148	0.0212	U,G	0.178	58.1		0.996	0.259	G	0.142	0.0434	U,G	0.765						
OA-09-00-SL	-0.142	U,G	0.215	-0.117	U,G	0.262	0.695	U	0.855	0.317	G	0.143	0.296	U,G	1.36						
OA-10-00-SL	-0.0375	U,G	0.198	-0.0187	U,G	0.225	20.8		0.853	0.389	G	0.203	-0.184	U,G	0.974						
OA-11-00-SL	0.0126	U,G	0.244	0.0194	U,G	0.266	53		0.81	0.153	U,G	0.256	0.639	U,G	1.52						
OA-12-00-SL	-0.0294	U,G	0.296	0.066	U,G	0.31	1.64	LT	0.819	0.305	G	0.231	-0.651	U,G	1.54						
OA-13-00-SL	0	U,G	0.242	0.109	U,G	0.306	5.85		0.957	0.461	G	0.243	0.257	U,G	0.96						
OA-14-00-SL	0	U,G	0.344	0	U,G	0.366	12.4		0.887	0.349	G	0.24	0.389	U,G	0.97						
OA-15-00-SL	-0.0437	U,G	0.302	-0.0563	U,G	0.454	8.22		1.02	0.139	U,G	0.317	-0.33	U,G	1.87						
OA-16-00-SL	-0.0242	U,G	0.228	-0.0373	U,G	0.346	21.3		0.871	0.243	U,G	0.246	0.137	U,G	1.41						
OA-20-00-SL	0.0123	U,G	0.205	0.0912	U,G	0.186	52.6		0.823	0.0184	U,G	0.252	-0.105	U,G	1.46						
OA-21-00-SL	-0.0677	U,G	0.241	-0.00436	U,G	0.262	640		0.767	0.0572	U,G	0.219	0.468	U,G	1.23						
OA-22-00-SL	0.017	U	0.135	0.0254	U	0.137	691		0.781	0.0489	U	0.137	-0.0752	U	0.589						
OA-23-00-SL	-0.0639	U	0.189	-0.041	U	0.179	189		0.804	0.161		0.147	-0.162	U	0.94						

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Silver-110			Sodium-22			Technetium-99			Thallium-208			Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
OA-24-00-SL	0.0734	U,G	0.213	0.113	U,G	0.26	13.1		1	0.127	U,G	0.302	-0.3	U,G	1.7						
OA-25-00-SL	0.0648	U,G	0.19	0.0234	U,G	0.237	87.6		0.844	0.107	U,G	0.149	-0.029	U,G	1.03						
OA-26-00-SL	-0.0934	U	0.27	-0.0641	U	0.293	109	M3	3.08	-0.0306	U	0.268	-0.558	U	1.33						
OA-27-00-SL	-0.0283	U,G	0.2	-0.0467	U,G	0.185	0.223	U	0.854	0.22	G	0.121	0.244	U,G	0.873						
OA-28-00-SL	-0.00683	U,G	0.168	-0.0493	U,G	0.178	0.928	LT	0.81	0.396	G	0.16	-0.172	U,G	16.7						
OA-29-00-SL	-0.0864	U,G	0.195	-0.119	U,G	0.246	0.907	LT	0.806	0.513	G	0.109	-0.111	U,G	1.06						
OA-30-00-SL	-0.114	U,G	0.268	-0.13	U,G	0.272	0.145	U	0.805	0.345	G	0.189	0.11	U,G	0.822						
OA-31-00-SL	-0.0627	U,G	0.181	-0.0113	U,G	0.198	0.154	U	0.831	0.352	G	0.15	-0.0445	U,G	1.03						
OA-32-00-SL	-0.076	U,G	0.207	-0.019	U,G	0.19	0.333	U	0.807	0.41	G	0.137	0.177	U,G	1						
OA-33-00-SL	-0.107	U,G	0.192	0.0105	U,G	0.194	0.437	U	0.882	0.229	G	0.169	0.0681	U,G	0.893						
OA-34-00-SL	-0.14	U,G	0.204	0.0173	U,G	0.21	0.9	U	0.919	0.272	G	0.148	0.262	U,G	0.846						
OA-35-00-SL	-0.12	U,G	0.284	0.0827	U,G	0.228	1.57	LT	0.969	0.157	U,G	0.175	-1.92	U,G	2.25						
OA-36-00-SL	0.0556	U,G	0.23	0.0143	U,G	0.201	1.39	LT	0.877	0.251	G	0.192	0.786	U,G	1.03						
OA-37-00-SL	-0.168	U,G	0.406	0.015	U,G	0.385	0.278	U	0.82	0.416	G	0.292	0.317	U,G	1.51	1.21		0.0806	1.2		0.0751
OA-38-00-SL	0.0234	U,G	0.256	-0.0439	U,G	0.21	0.929	U	0.934	0.349	G	0.167	-0.122	U,G	1.14						
OA-39-00-SL	0.0486	U,G	0.14	-0.0603	U,G	0.186	1.45	LT	0.908	0.249	G	0.14	0.0864	U,G	1.02						
OA-40-00-SL	-0.0589	U,G	0.192	0.0132	U,G	0.209	0.703	U	0.859	0.315	G	0.179	0.376	U,G	0.924						
PL-01-00-SL	-0.0111	U,G	0.178	-0.105	U,G	0.269	37.9		0.858	0.338	G	0.141	0.138	U,G	1.02						
PL-02-00-SL	-0.166	U,G	0.284	0.0145	U,G	0.242	1.58	LT	0.926	0.29	G	0.167	0.11	U,G	1.16						
PL-03-00-SL	-0.00688	U,G	0.226	-0.0228	U,G	0.221	2.96	LT	1.04	0.381	G	0.14	0.622	U,G	0.792						
RR-01-00-SL	-0.192	UJ	0.494	0.0569	UJ	0.373	14.9	=	0.802	0.63	=	0.372	-273	UJ	489						
RR-02-00-SL	-0.0356	UJ	0.24	-0.0296	UJ	0.274	1.76	=	0.881	0.221	U	0.281	0.403	UJ	1.3						
RR-03-00-SL	-0.134	UJ	0.346	0	UJ	0.463	0.179	UJ	0.82	0.316	U	0.327	-0.409	UJ	1.79						
SW-01-00-SL	-0.117	UJ	0.279	-0.0314	UJ	0.29	22.3	=	0.865	0.189	U	0.248	0.0388	UJ	1.43						
SW-02-00-SL	-0.0396	UJ	0.457	0.0996	UJ	0.468	18.4	=	0.81	0.613	=	0.319	0.716	UJ	2.1						
SW-03-00-SL	-0.0474	UJ	0.26	-0.0565	UJ	0.345	0.808	U	0.81	0.207	J	0.204	0.108	UJ	0.869						
SW-04-00-SL	-0.213	UJ	0.531	0.0656	UJ	0.305	0.366	UJ	0.823	0.3	J	0.296	-0.163	UJ	2.01						
LS-01-00-SL	-0.0453	U	0.145	-0.0272	U	0.197	94.1		0.827	0.0677	U	0.133	-0.152	U	0.828						
LS-02-00-SL	-0.00811	U	0.141	0	U	0.171	93.6		0.808	0.0103	U	0.141	0.144	U	0.643						
LS-03-00-SL	-0.0214	U,G	0.166	-0.0432	U,G	0.214	22.7		0.86	0.337	G	0.163	0.298	U,G	0.636						

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Thorium-232 (A)			Thorium-234			Uranium-234 (A)			Uranium-235 (G)			Uranium-235 (A)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-09-00-SL				4.26	G,TI	3.93				3.63	G	0.905							-0.0562	U,G	0.526
BD-10-00-SL				389	G	13.3				104	G	3.04							-0.178	U,G	0.474
BD-11-00-SL				432	G	11.2				102	G	2.53							0.312	G,TI	0.259
BD-12-00-SL				36.2	G	7.73				20.2	G	1.82							-0.216	U,G	0.901
BP-01-00-SL				2.27	G	2.25				0.242	U,G	0.879							-0.455	U,G	0.936
BP-02-00-SL				1.03	U,G	1.6				0.404	U,G	0.516							-0.158	U,G	0.405
BP-03-00-SL				27	G	4.69				35.3	G	1.75							-0.0492	U,G	0.448
BP-04-00-SL				4.43	G	1.98				1.2	G,TI	1.02							-0.246	U,G	0.526
BP-05-00-SL				1.97	U,G	2.12				0.189	U,G	1.64							-0.176	U,G	0.465
BP-06-00-SL				2.33	G	1.67				0.459	U,G	1.06							-0.223	U,G	0.524
BP-07-00-SL				53.9	G,SI	6.19				53.5	G	2.03							-0.186	U,G	0.654
BP-08-00-SL				31.4	G,TI	4.98				0.867	U,G	1.83							-0.0864	U,G	0.686
BP-09-00-SL				2.03	G	1.85				0.217	U,G	0.647							0.0211	U,G	0.528
BP-10-00-SL				2.09	U,G	2.44				-0.217	U,G	0.714							-0.175	U,G	0.425
BP-11-00-SL				1.77	U,G	1.88				0.183	U,G	0.799							-0.363	U,G	0.7
BP-12-00-SL				3.15	G,TI	2.43	2.35		0.0279	0.32	U,G	0.679	0.138		0.0183	1		0.0228	0	U,G	0.461
CB-01-00-SL				18.4	=	3.97				2.87	=	1.29							0.154	UJ	0.773
CB-01-00-SL-FD				15.5	=	4.14				3.63	=	1.01							-0.19	UJ	0.689
DM-01-00-SL				102	G,SI	11.6				308	G	5.51							-0.578	U,G	1.32
DM-02-00-SL				451	G,SI	23.2				237	G	4.87							-0.323	U,G	0.617
EP-01-00-SL				92.3	G	8.49				31.2	G	1.73							-0.318	U,G	0.753
EP-02-00-SL				86.7	G	5.92				30.3	G	1.82							-0.199	U,G	0.938
EP-03-00-SL				28.3	G	3.42				6.97	G	0.893							-0.152	U,G	0.37
EP-04-00-SL				550	G	10.9				184	G	4.21							-0.0543	U,G	1
EP-04-00-SL-FD				698	G	12.7				251	G	3.88							-0.358	U,G	0.593
EP-05-00-SL				88.5	G	4.07				18.5	G	1.82							0.018	U,G	0.384
EP-06-00-SL				52.1	G,SI	7.28				96.5	G	2.56							-0.203	U,G	0.967
EP-07-00-SL				4.12	G	2.94				0.736	U,G	1.08							-0.4	U,G	1.03
EP-08-00-SL				27.1	G	5.94				8.87	G	1.23							-0.21	U,G	0.63
EP-09-00-SL				13.8	G	3.68				4.95	G	3.1							0.35	U,G	0.97
EP-10-00-SL				272	G	11.2				51.4	G	2.56							-0.47	U,G	0.934
EP-11-00-SL	0.939		0.051	9.45	G	3.4	103		0.0199	2.43	U,G	2.82	4.26		0.0173	11.2		0.0177	-0.583	U,G	1.24
EP-12-00-SL				20.3	G	4.72				4.81	G	2.29							-0.487	U,G	0.923
GS-01-00-SL				0.308	U,G	1.95				0.104	U,G	0.764							-0.123	U,G	0.776
GS-01-00-SL-FD				0.511	U,G	2.59				0.124	U,G	0.955							-0.419	U,G	0.696
GS-02-00-SL				0.785	U,G	1.26				-0.0665	U,G	0.767							-0.391	U,G	0.746
GS-03-00-SL				-0.484	U,G	1.47				-0.182	U,G	0.62							-0.273	U,G	0.475
GS-04-00-SL				1.61	U,G	1.7				-0.0399	U,G	0.65							0.0972	U,G	0.774
GS-05-00-SL				1.13	U,G	1.67				-0.121	U,G	0.682							-0.117	U,G	0.584
LF-01-00-SL				2.2	U,G	2.99				0.585	U,G	0.896							-0.0438	U,G	0.922
LF-02-00-SL				0.64	U,G	1.91				0.17	U,G	0.658							0.136	U,G	0.571
LF-03-00-SL				0.516	U,G	3.52				0.284	U,G	0.938							-0.133	U,G	0.881
LF-04-00-SL				1.23	U,G	3.18				0.118	U,G	0.88							-0.363	U,G	0.809
LF-05-00-SL				2.38	G,TI	2.29				0.559	U,G	0.777							0.107	U,G	0.741
NB-01-00-SL				-0.454	U,G	2.35				-0.0274	U,G	0.659							-0.085	U,G	0.427
NB-02-00-SL	0.281		0.0306	0.766	U,G	1.34	0.759		0.0309	0.334	U,G	0.579	0.026	LT	0.0222	0.373		0.0233	-0.107	U,G	0.511
NB-03-00-SL				0.566	U,G	1.98				0.682	G,TI	0.564							-0.187	U,G	0.512

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Thorium-232 (A)			Thorium-234			Uranium-234 (A)			Uranium-235 (G)			Uranium-235 (A)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-04-00-SL				1.48	U,G	2.3				-0.0282	U,G	0.712							0.418	U,G	0.794
NB-05-00-SL				1.72	U,G	2.19				-0.236	U,G	0.838							0.142	U,G	0.966
NB-06-00-SL	0.84		0.0391	0.399	U,G	1.7	0.888		0.0233	0.3	U,G	0.702	0.0565	LT	0.025	0.851		0.0267	-0.306	U,G	0.712
NB-07-00-SL				1.75	U,G	2.26				0.427	U,G	0.788							-0.25	U,G	0.798
NB-07-00-SL-FD				1.22	U,G	2.18				0.362	U,G	0.617							-0.118	U,G	0.621
NB-08-00-SL				3.21	G,TI	2.47				0.161	U,G	0.692							-0.0225	U,G	0.424
NB-09-00-SL				0.715	U,G	2.51				0.228	U,G	0.699							-0.0459	U,G	0.54
NB-10-00-SL				1.7	U,G	2				0.311	U,G	0.648							-0.195	U,G	0.678
NB-11-00-SL				9.88	G	2.7				3	G	0.775							0.518	U,G	0.677
NB-12-00-SL				1.28	U,G	2	1.45		0.0223	0.155	U,G	0.76	0.08	LT	0.0194	0.903		0.0223	-0.313	U,G	0.612
NB-13-00-SL				1.65	U,G	1.93				-0.0421	U,G	0.689							-0.458	U,G	0.638
NB-14-00-SL	0.774		0.0276	3.36	U,G	3.91	52.3		0.0177	0.606	U,G	1.2	1.98		0.0107	3.53		0.0091	0.0122	U,G	0.981
NB-15-00-SL				1.75	U,G	2.8				0.142	U,G	0.602							-0.322	U,G	0.504
NB-16-00-SL				1.58	U,G	2.51				-0.285	U,G	0.655							-0.0954	U,G	0.458
NB-17-00-SL				3.38	G	3.28	1.09		0.0316	0.106	U,G	0.689	0.0328	LT	0.029	0.801		0.0229	-0.239	U,G	0.543
NB-18-00-SL				1.91	G,TI	1.54				0.0214	U,G	0.661							-0.207	U,G	0.575
NB-19-00-SL				1.5	U,G	1.58				0.323	U,G	0.553							0.165	U,G	0.683
NB-20-00-SL				1.57	U,G	2.01				-0.118	U,G	0.789							-0.264	U,G	0.617
NB-21-00-SL				1.06	U,G	2.03				0.422	U,G	0.713							-0.251	U,G	0.556
NB-22-00-SL				2.32	G	2.2				-0.0238	U,G	0.877							-0.251	U,G	0.674
NB-23-00-SL				0.891	U,G	1.67	1.12		0.0215	0.0327	U,G	0.629	0.0843	LT	0.0187	0.913		0.0215	-0.4	U,G	0.594
NB-24-00-SL				0.712	U,G	2.02				0.169	U,G	0.569							-0.222	U,G	0.445
NB-25-00-SL				1.22	U,G	1.9				0.215	U,G	0.573							-0.367	U,G	0.609
NB-26-00-SL				0.156	U,G	1.38				0.156	U,G	0.433							-0.0179	U,G	0.298
NB-27-00-SL				0.764	U,G	2.09				0.0688	U,G	0.862							-0.322	U,G	0.596
NB-27-00-SL-FD				-0.314	U,G	3.01				0.0103	U,G	0.792							-0.146	U,G	0.685
OA-01-00-SL				16.5	=	3.09				4.57	=	1.15							0.0101	UJ	0.852
OA-01-00-SL-FD				18.1	=	3.29				4.61	=	1.54							-0.0978	UJ	0.568
OA-02-00-SL				9.1	=	2.8				3.61	=	1.17							0.181	UJ	0.797
OA-03-00-SL				0.685	UJ	2.65				0.172	UJ	0.801							-0.463	UJ	0.907
OA-04-00-SL				705	G	10				12.2	G	3.03							0.106	U,G	0.788
OA-05-00-SL				3.64	G	2.37				0.783	U,G	2.15							-0.238	U,G	0.64
OA-06-00-SL				2.02	G	1.87				0.11	U,G	0.604							0.0526	U,G	0.783
OA-07-00-SL				5.76	G	2.16				1.51	G	0.821							0.168	U,G	0.635
OA-08-00-SL				90.5	G	4.92	472	M3	0.528	23.2	G	1.29	19.5	M3	0.365	74.3	M3	0.558	-0.0196	U,G	0.355
OA-09-00-SL				1.03	U,G	2.46				0	U,G	0.831							-0.0617	U,G	0.558
OA-10-00-SL				0.671	U,G	2.84				0.35	U,G	0.859							0.108	U,G	0.669
OA-11-00-SL				9.04	G	3.93				2.71	G	1.86							-0.465	U,G	0.881
OA-12-00-SL				1.34	U,G	3.5				0.486	U,G	0.85							0.051	U,G	0.716
OA-13-00-SL				10.8	G	5.48				3.6	G	1.12							0.176	U,G	0.707
OA-14-00-SL				5.22	G,TI	3.75				1.14	G	0.951							-0.364	U,G	0.962
OA-15-00-SL				-0.473	U,G	3.52				0.631	U,G	2.28							-0.187	U,G	0.971
OA-16-00-SL				3.4	U,G	3.51				1.03	G,TI	0.675							-0.287	U,G	0.764
OA-20-00-SL				2.93	G	2.63				0.575	U,G	0.697							-0.0729	U,G	0.635
OA-21-00-SL				17.6	G	4.01				2.88	G	1.05							-0.209	U,G	0.731
OA-22-00-SL				8.43		2.57				1.86		0.816							-0.206	U	0.526
OA-23-00-SL				34.4		17.5				120		2.5							-0.38	U	0.565

Table H.10 Radionuclides in Surface Soil (pCi/g)

Sample ID	Thorium-232 (A)			Thorium-234			Uranium-234 (A)			Uranium-235 (G)			Uranium-235 (A)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
OA-24-00-SL				1.47	U,G	2.86				0.174	U,G	0.878							-0.227	U,G	0.793
OA-25-00-SL				4.73	G	2.24				1.26	U,G	1.56							-0.255	U,G	0.669
OA-26-00-SL				165		8.06				39		2.12							-0.3	U	0.78
OA-27-00-SL				1.51	U,G	1.71				0.184	U,G	0.672							-0.178	U,G	0.559
OA-28-00-SL				2.14	U,G	2.77				0.185	U,G	0.644							-0.212	U,G	0.481
OA-29-00-SL				1.57	U,G	2				0.0188	U,G	0.698							0.079	U,G	0.329
OA-30-00-SL				1.74	U,G	2				0	U,G	0.79							-0.446	U,G	0.74
OA-31-00-SL				0.47	U,G	2.44				0.182	U,G	0.647							-0.0982	U,G	0.383
OA-32-00-SL				2.94	G	1.72				0.247	U,G	0.616							0.165	U,G	0.695
OA-33-00-SL				1.76	U,G	2.38				0.638	U,G	0.65							-0.201	U,G	0.482
OA-34-00-SL				1.77	U,G	2.58				0.342	U,G	0.619							0.0395	U,G	0.329
OA-35-00-SL				0.942	U,G	3.29				0.0614	U,G	1.1							-0.355	U,G	0.719
OA-36-00-SL				1.71	U,G	2.22				0.0674	U,G	0.814							-0.354	U,G	0.673
OA-37-00-SL	1.1		0.0248	0.613	U,G	3.01	1.93		0.0315	0.154	U,G	0.928	0.127		0.0301	1.08		0.0272	-0.294	U,G	0.951
OA-38-00-SL				1.27	U,G	1.8				0.0721	U,G	0.688							-0.378	U,G	0.636
OA-39-00-SL				0.468	U,G	1.99				0.325	U,G	0.59							-0.176	U,G	0.489
OA-40-00-SL				0.857	U,G	1.89				0.352	U,G	0.724							0.142	U,G	0.804
PL-01-00-SL				8.15	G	2.33				2.43	G	0.812							0.0421	U,G	0.366
PL-02-00-SL				1.35	U,G	1.98				0.388	U,G	0.885							0.473	U,G	0.921
PL-03-00-SL				2.04	G	1.96				0.0394	U,G	0.681							-0.0786	U,G	0.51
RR-01-00-SL				248	=	7.25				57.9	=	2.79							-0.303	UJ	0.91
RR-02-00-SL				4.87	=	3.64				0.58	UJ	1.92							-0.477	UJ	0.823
RR-03-00-SL				1.03	UJ	2.14				0.833	U	0.973							-0.221	UJ	1
SW-01-00-SL				9.81	=	3.84				2.86	=	0.949							0	UJ	0.677
SW-02-00-SL				32	=	4.49				11.8	=	3.68							-0.367	UJ	1.13
SW-03-00-SL				1.3	UJ	2.76				0.345	UJ	0.847							-0.399	UJ	0.793
SW-04-00-SL				1.72	U	2.82				0.253	UJ	1.08							-0.561	UJ	1.25
LS-01-00-SL				2.07		1.76				0.537	U	1.35							-0.203	U	0.519
LS-02-00-SL				1.88	U	1.96				-0.0204	U	0.973							-0.0235	U	0.435
LS-03-00-SL				4.51	G	1.93				1.67	G	0.813							-0.252	U,G	0.545

Table H.10a Radionuclides in Off-site/Background Soils (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241			Antimony-124			Antimony-125		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BG-01-00-SL	1	G,TI	0.764	0.0236	U,G	0.0638	0.679	U,G	2.28	0.0952	U,G	0.232	-0.0746	U,G	0.454
BG-01-03-SL	0.774	U,G	1.02	-0.0244	U,G	0.398	-0.0514	U,G	0.268	-0.056	U,G	0.315	-0.132	U,G	0.542
BG-02-00-SL	1.01	G,TI	0.993	-0.012	U,G	0.282	-0.0342	U,G	1.08	-0.0121	U,G	0.258	0.00405	U,G	0.487
BG-02-03-SL	0.68	G	0.659	0.028	U,G	0.11	-0.274	U,G	0.799	-0.034	U,G	0.231	-0.0807	U,G	0.429
BG-03-00-SL	0.53	U,G	0.592	-0.00959	U,G	0.18	-0.0678	U,G	0.417	0.0562	U,G	0.212	0.0632	U,G	0.317
BG-03-03-SL	0.877	U,G	1.2	-0.0943	U,G	0.386	-0.215	U,G	1.67	0.0446	U,G	0.349	0.173	U,G	0.456
BG-04-00-SL	0.532	U,G	0.938	-0.0503	U,G	0.352	-0.11	U,G	0.299	0.0289	U,G	0.282	-0.00348	U,G	0.53
BG-04-03-SL	0.834	U,G	0.88	0.0749	G,TI	0.0676	-0.0201	U,G	0.276	0.0119	U,G	0.267	0.246	U,G	0.432
BG-05-00-SL	0.814	G	0.565	0.0356	U,G	0.163	0.129	U,G	0.744	0.0454	U,G	0.204	0.0329	U,G	0.391
BG-05-03-SL	0.978	U,G	1	-0.0864	U,G	0.326	0.518	U,G	2.41	-0.0262	U,G	0.308	-0.0262	U,G	0.513
BG-06-00-SL	0.82	U,G	0.993	-0.0709	U,G	0.334	-0.0147	U,G	0.294	0.0669	U,G	0.277	-0.156	U,G	0.647
BG-06-03-SL	0.806	G,TI	0.74	0.061	U,G	0.231	-0.0163	U,G	1.18	0.0463	U,G	0.21	0.0348	U,G	0.427
BG-07-00-SL	0.767	G	0.706	-0.0148	U,G	0.216	-0.286	U,G	0.892	0.139	U,G	0.214	0.0609	U,G	0.4
BG-07-03-SL	0.931	U,G	1.14	0.144	G,TI	0.0977	-0.073	U,G	0.334	0	U,G	0.362	0	U,G	0.586
BG-08-00-SL	1.38	G,TI	1.09	-0.0548	U,G	0.384	-0.0434	U,G	0.31	-0.0312	U,G	0.293	0.22	U,G	0.624
BG-08-03SL	1.83	G,TI	1.17	-0.195	U,G	0.539	0	U,G	1.79	-0.0286	U,G	0.313	0.233	U,G	0.353
BG-09-00-SL	1.43	G,TI	0.921	0.148	G,TI	0.08	-0.643	U,G	1.61	-0.0368	U,G	0.301	-0.00589	U,G	0.572
BG-09-03-SL	1.19	G	0.487	0.0274	U,G	0.133	0.315	U,G	0.662	0.089	U,G	0.194	0.106	U,G	0.337
BG-10-00-SL	1.14	G	0.46	-0.0229	U,G	0.15	0.0911	U,G	1.15	-0.0192	U,G	0.172	0.114	U,G	0.366
BG-10-03-SL	1.17	G	0.513	0.0296	U,G	0.143	-0.09	U,G	0.758	0.0588	U,G	0.128	-0.11	U,G	0.308
BG-11-00-SL	1.43	G	0.515	0.0187	U,G	0.114	0.0609	U,G	0.222	-0.0498	U,G	0.138	-0.199	U,G	0.394
BG-11-03-SL	1.17	G	0.495	-0.00712	U,G	0.159	0.107	U,G	3.13	-0.00981	U,G	0.146	0.143	U,G	0.287
BG-12-00-SL	1.38	G	0.629	-0.0442	U,G	0.167	0.0532	U,G	2.36	-0.00652	U,G	0.15	0.0267	U,G	0.271
BG-12-03-SL	1.49	G	0.489	-0.0264	U,G	0.185	0.0116	U,G	0.252	0	U,G	0.134	-0.0803	U,G	0.351
BG-13-00-SL	1.17	G	0.374	-0.0142	U,G	0.0966	-0.154	U,G	0.636	-0.00291	U,G	0.11	-0.0738	U,G	0.241
BG-13-03-SL	1.18	G	0.522	0.0157	U,G	0.087	0.114	U,G	0.636	0.0657	U,G	0.132	0.119	U,G	0.251
BG-14-00-SL	0.997	G	0.63	0.0122	U,G	0.134	-0.0104	U,G	0.242	0	U,G	0.161	0.0422	U,G	0.284
BG-14-03-SL	1.55	G	0.664	-0.0272	U,G	0.173	0.0451	U,G	1.27	0	U,G	0.158	0.0954	U,G	0.314
BG-15-00-SL	0.802	G	0.594	0.0237	U,G	0.121	-0.514	U,G	1.24	0.0728	U,G	0.141	0.0125	U,G	0.338
BG-15-03-SL	1.46	G	0.501	-0.0548	U,G	0.159	0.386	U,G	2.02	0.0186	U,G	0.146	0.0187	U,G	0.287
BG-16-00-SL	1.04	U,G	1.06	0.0208	U,G	0.198	0.0575	U,G	0.245	0.0832	U,G	0.189	0.0352	U,G	0.432
BG-16-03-SL	0.758	G	0.494	0.0073	U,G	0.162	-0.0457	U,G	0.373	0.14	U,G	0.184	-0.0424	U,G	0.336

Table H.10a Radionuclides in Off-site/Background Soils (pCi/g)

Sample ID	Beryllium-7			Bismuth-212			Bismuth-214			Cadmium-109			Cerium-139		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BG-01-00-SL	0.153	U,G	1.68	0.532	U,G	2.75	0.628	G,J	0.398	-0.276	U,G	5.52	-0.0565	U,G	0.155
BG-01-03-SL	0.969	U,G	1.52	1	U,G	3.69	0.675	G,J	0.457	0.231	U,G	2.76	0.00993	U,G	0.136
BG-02-00-SL	0.012	U,G	1.92	1.12	U,G	3.52	0.729	G,J	0.403	-1.2	U,G	5.06	0.00901	U,G	0.116
BG-02-03-SL	0.806	U,G	1.28	0.764	U,G	2.59	0.946	G,J	0.401	0.224	U,G	4.13	0.0133	U,G	0.122
BG-03-00-SL	0.0833	U,G	1.48	0.439	U,G	2.42	0.833	G,J	0.457	0.797	U,G	2.51	-0.00425	U,G	0.0992
BG-03-03-SL	0.18	U,G	2.25	2.1	U,G	3.07	0.753	G,J	0.585	2.98	U,G	6.12	0.0363	U,G	0.164
BG-04-00-SL	0.556	U,G	1.85	1.27	U,G	3.63	0.472		0.678	1.63	U,G	2.17	0.0154	U,G	0.153
BG-04-03-SL	0.151	U,G	1.66	1.07	U,G	2.23	0.949	G,J	0.496	1.89	U,G	2.13	0.0177	U,G	0.119
BG-05-00-SL	0.213	U,G	1.37	2.04	U,G	2.14	0.824	G,J	0.349	-0.81	U,G	4.14	0.0455	U,G	0.105
BG-05-03-SL	0.789	U,G	1.85	1.29	U,G	3.36	0.931	G,J	0.442	-1.79	U,G	6.97	-0.124	U,G	0.179
BG-06-00-SL	0.104	U,G	2.04	-0.609	U,G	4.62	0.689	G,J	0.61	2.22	G,SI	2.13	0	U,G	0.13
BG-06-03-SL	1.11	U,G	1.4	-0.248	U,G	3.36	1.02	G,J	0.434	-1.29	U,G	5.52	-0.0338	U,G	0.138
BG-07-00-SL	-0.0935	U,G	1.63	1.94	U,G	2.44	0.549	G,J	0.421	1.28	U,G	3.77	-0.014	U,G	0.123
BG-07-03-SL	0.473	U,G	2.06	0.171	U,G	4.29	0.862	G,J	0.502	1.2	U,G	2.99	-0.0165	U,G	0.16
BG-08-00-SL	0.957	U,G	2.17	0.635	U,G	4.34	0.707	G,J	0.604	2.31	U,G	3.54	-0.0222	U,G	0.142
BG-08-03SL	-0.857	U,G	2.43	0.472	U,G	3.62	0.898	G,J	0.626	4.1	U,G	6.99	0.039	U,G	0.164
BG-09-00-SL	0.923	U,G	1.46	1.03	U,G	3.95	0.632	G,J	0.423	-2.22	U,G	6.11	0.0808	U,G	0.146
BG-09-03-SL	-0.222	U,G	1.29	2.62	G,TI	1.93	0.762	G,J	0.327	-0.0198	U,G	3.83	0.0133	U,G	0.102
BG-10-00-SL	0.03	U,G	1.23	1.36	U,G	1.9	0.869	G,J	0.365	2.01	U,G	4.37	-0.0277	U,G	0.118
BG-10-03-SL	0.344	U,G	1.05	1.46	U,G	1.72	1.15	G,J	0.263	4.64	G,SI	2.78	-0.0114	U,G	0.0845
BG-11-00-SL	-0.033	U,G	1.06	1.88	U,G	2.16	1.03	G,J	0.258	3.77	G,SI	2.37	0.0247	U,G	0.0872
BG-11-03-SL	0.349	U,G	1.07	0.72	U,G	2.1	1.12	G,J	0.28	-1.27	U,G	6.47	-0.0585	U,G	0.143
BG-12-00-SL	0.103	U,G	1.2	-0.0249	U,G	2.42	0.877	G,J	0.271	3.42	U,G	4.71	0.00299	U,G	0.11
BG-12-03-SL	0.0519	U,G	1.32	0.53	U,G	2.32	1.09	G,J	0.236	1.92	G,SI	1.87	-0.055	U,G	0.108
BG-13-00-SL	0.261	U,G	0.728	2.05	G	1.18	1.1	G,J	0.19	1.99	U,G	2.43	-0.00998	U,G	0.0832
BG-13-03-SL	0.158	U,G	0.948	2.17	G,TI	1.58	0.719	G,J	0.285	2.43	U,G	4.77	-0.038	U,G	0.0863
BG-14-00-SL	-0.223	U,G	1.28	0.877	U,G	2	0.727	G,J	0.318	2.06	U,G	2.31	-0.00888	U,G	0.0993
BG-14-03-SL	-0.312	U,G	1.24	2.17	U,G	2.27	0.933	G,J	0.295	0.569	U,G	4.63	-0.00177	U,G	0.107
BG-15-00-SL	0.295	U,G	1.06	-0.0407	U,G	2.18	0.528	G,J	0.277	2.26	U,G	2.87	-0.00972	U,G	0.0982
BG-15-03-SL	-0.0429	U,G	1.17	1.49	U,G	2.37	0.951	G,J	0.278	0.385	U,G	4.72	0.0143	U,G	0.0949
BG-16-00-SL	-0.0698	U,G	1.92	1.76	U,G	2.6	0.601	G,J	0.478	0.979	U,G	1.71	0.0751	U,G	0.0915
BG-16-03-SL	0	U,G	1.31	0.507	U,G	2.12	0.72	G,J	0.426	1.37	U,G	1.95	0.00218	U,G	0.0882

Table H.10a Radionuclides in Off-site/Background Soils (pCi/g)

Sample ID	Cerium-144			Cesium-134			Cesium-137			Chromium-51			Cobalt-56		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BG-01-00-SL	-0.188	U,G	0.937	-0.0983	U,G	0.241	-0.012	U,G	0.217	0.193	U,G	2.17	0.0751	U,G	0.417
BG-01-03-SL	-0.151	U,G	0.743	0.0463	U,G	0.233	-0.0783	U,G	0.29	0.0983	U,G	2.05	-0.157	U,G	0.737
BG-02-00-SL	-0.0531	U,G	0.885	-0.05	U,G	0.224	0.146	U,G	0.203	0.637	U,G	1.77	0.142	U,G	0.459
BG-02-03-SL	-0.177	U,G	0.807	0.073	U,G	1.13	0.0648	U,G	0.155	-0.462	U,G	1.87	-0.022	U,G	0.366
BG-03-00-SL	-0.0944	U,G	0.741	0.0414	U,G	0.178	0.0259	U,G	0.209	-0.543	U,G	1.6	0.122	U,G	0.329
BG-03-03-SL	-0.109	U,G	0.959	0.0491	U,G	0.275	0.0912	U,G	0.281	0	U,G	2.74	0.271	U,G	0.76
BG-04-00-SL	-0.156	U,G	0.933	0.0239	U,G	0.233	0.235	U,G	0.251	0.524	U,G	2.03	-0.0404	U,G	0.57
BG-04-03-SL	0.0134	U,G	0.698	0.0295	U,G	0.215	0.024	U,G	0.2	0.26	U,G	1.95	0.0592	U,G	0.601
BG-05-00-SL	-0.101	U,G	0.826	-0.0133	U,G	0.18	0.161	LT,G,T	0.129	-0.0856	U,G	1.62	0.131	U,G	0.296
BG-05-03-SL	-0.414	U,G	1	-0.0864	U,G	0.27	0	U,G	0.219	-0.539	U,G	2.62	0.0627	U,G	0.637
BG-06-00-SL	0.0607	U,G	0.687	0.078	U,G	0.224	0.109	U,G	0.205	-0.676	U,G	2.51	0.0879	U,G	0.488
BG-06-03-SL	0.254	U,G	0.714	-0.0191	U,G	0.192	-0.0581	U,G	0.226	-0.956	U,G	2.22	-0.0535	U,G	0.555
BG-07-00-SL	-0.0187	U,G	0.837	-0.111	U,G	0.338	0.147	U,G	0.178	-0.122	U,G	1.71	0.25	U,G	0.326
BG-07-03-SL	0.269	U,G	0.918	-0.154	U,G	0.34	0.0277	U,G	0.297	-0.0356	U,G	2.38	-0.0863	U,G	0.752
BG-08-00-SL	-0.306	U,G	0.986	-0.052	U,G	0.253	0.016	U,G	0.274	-0.576	U,G	2.82	-0.174	U,G	0.791
BG-08-03SL	0.247	U,G	0.947	-0.143	U,G	0.383	0.0591	U,G	0.274	-0.394	U,G	2.65	0.24	U,G	0.471
BG-09-00-SL	-0.151	U,G	1.02	-0.102	U,G	0.271	-0.0711	U,G	0.288	0	U,G	2.08	0.012	U,G	0.599
BG-09-03-SL	0	U,G	0.732	0.0303	U,G	0.169	-0.0629	U,G	0.153	0.0737	U,G	1.4	-0.00521	U,G	0.321
BG-10-00-SL	-0.109	U,G	0.749	0.034	U,G	0.198	0.00832	U,G	0.166	-0.481	U,G	1.34	0.0987	U,G	0.326
BG-10-03-SL	0.0108	U,G	0.596	-0.0599	U,G	0.142	-0.0663	U,G	0.145	-0.656	U,G	1.28	0.0651	U,G	0.272
BG-11-00-SL	0.0104	U,G	0.526	-0.054	U,G	0.125	-0.0598	U,G	0.141	-0.118	U,G	1.18	0.125	U,G	0.243
BG-11-03-SL	-0.285	U,G	0.836	-0.122	U,G	0.21	-0.0427	U,G	0.146	0.111	U,G	1.25	0.00436	U,G	0.356
BG-12-00-SL	0	U,G	0.787	-0.0752	U,G	0.15	0.0141	U,G	0.173	-0.2	U,G	1.61	0.148	U,G	0.304
BG-12-03-SL	-0.418	U,G	0.739	-0.0474	U,G	0.133	0.0118	U,G	0.142	0.73	U,G	1.1	0.0355	U,G	0.357
BG-13-00-SL	0.131	U,G	0.6	0.0298	U,G	0.735	0.0698		0.0654	0.0798	U,G	0.882	0.103	U,G	0.183
BG-13-03-SL	0.0819	U,G	0.585	-0.00715	U,G	0.132	0.0368	U,G	0.127	0.425	U,G	0.851	-0.0182	U,G	0.288
BG-14-00-SL	0.0936	U,G	0.574	-0.0638	U,G	0.16	0.155	LT,G,T	0.147	-0.679	U,G	1.38	0.0955	U,G	0.318
BG-14-03-SL	0.234	U,G	0.677	-0.0336	U,G	0.153	0.0728	U,G	0.147	-0.216	U,G	1.25	0.099	U,G	0.311
BG-15-00-SL	0.0756	U,G	0.614	0.0588	U,G	0.18	0.0468	U,G	0.159	0.136	U,G	1.13	0.126	U,G	0.269
BG-15-03-SL	0.446	U,G	0.658	-0.00552	U,G	0.135	-0.0539	U,G	0.158	-0.712	U,G	1.4	0.169	U,G	0.314
BG-16-00-SL	-0.00893	U,G	0.708	0.0491	U,G	0.164	0.108	U,G	0.209	-0.261	U,G	2.04	0.374	G,TI	0.0844
BG-16-03-SL	-0.262	U,G	0.679	0.344	U,G	1.23	-0.0744	U,G	0.162	0.413	U,G	1.26	0.155	U,G	0.307

Table H.10a Radionuclides in Off-site/Background Soils (pCi/g)

Sample ID	Cobalt-57			Cobalt-58			Cobalt-60			Europium-152			Europium-154		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BG-01-00-SL	-0.0128	U,G	0.129	-0.0291	U,G	0.249	0.00459	U,G	0.188	0.182	U,G	0.67	-0.401	U,G	1.4
BG-01-03-SL	0.00288	U,G	0.109	0.161	U,G	0.234	0.0966	U,G	0.317	0.0907	U,G	1.36	0.355	U,G	1.41
BG-02-00-SL	0.0184	U,G	0.109	-0.0926	U,G	0.278	-0.0932	U,G	0.28	0.37	U,G	0.996	0.163	U,G	1.36
BG-02-03-SL	0.00729	U,G	0.0991	-0.0838	U,G	0.192	-0.055	U,G	0.212	-0.0498	U,G	1.05	0.672	U,G	0.816
BG-03-00-SL	-0.0237	U,G	0.0943	-0.0422	U,G	0.182	0.00715	U,G	0.18	-0.0109	U,G	1.1	0.151	U,G	0.934
BG-03-03-SL	-0.0146	U,G	0.145	0.0548	U,G	0.319	0.0669	U,G	0.315	-0.379	U,G	1.93	0.111	U,G	1.86
BG-04-00-SL	-0.036	U,G	0.12	-0.184	U,G	0.403	0.0249	U,G	0.327	0.0728	U,G	1.72	0.335	U,G	1.76
BG-04-03-SL	0.0134	U,G	0.0905	-0.00185	U,G	0.266	0.0765	U,G	0.251	-0.381	U,G	1.51	0	U,G	1.49
BG-05-00-SL	0.0114	U,G	0.0943	-0.0675	U,G	0.192	-0.00361	U,G	0.188	0.19	U,G	0.781	-0.0574	U,G	0.832
BG-05-03-SL	0.0234	U,G	0.13	0.05	U,G	0.259	0.0101	U,G	0.27	-0.3	U,G	1.5	-0.176	U,G	1.78
BG-06-00-SL	0.024	U,G	0.0887	-0.0375	U,G	0.313	0	U,G	0.344	0.108	U,G	1.16	0	U,G	1.32
BG-06-03-SL	-0.00744	U,G	0.103	0.0159	U,G	0.229	0.0535	U,G	0.214	-0.442	U,G	1.4	0	U,G	1.24
BG-07-00-SL	0.0224	U,G	0.0952	-0.0405	U,G	0.181	-0.0841	U,G	0.209	-0.263	U,G	1.13	0.0364	U,G	0.98
BG-07-03-SL	-0.00519	U,G	0.115	-0.0394	U,G	0.343	0.161	U,G	0.322	-0.0448	U,G	1.69	-0.0902	U,G	1.9
BG-08-00-SL	0.0286	U,G	0.122	0.119	U,G	0.28	-0.163	U,G	0.473	-0.0453	U,G	1.71	0.969	U,G	1.58
BG-08-03SL	0.033	U,G	0.116	0.0124	U,G	0.28	-0.0954	U,G	0.342	-0.39	U,G	2.02	-0.108	U,G	1.72
BG-09-00-SL	0.00404	U,G	0.114	0.02	U,G	0.314	-0.0149	U,G	0.294	-0.41	U,G	1.47	-0.652	U,G	1.87
BG-09-03-SL	-0.0329	U,G	0.0895	-0.0695	U,G	0.178	0.0651	U,G	0.153	-0.104	U,G	0.74	0.207	U,G	0.747
BG-10-00-SL	-0.00737	U,G	0.1	-0.0654	U,G	0.18	0.0479	U,G	0.125	0.397	U,G	0.623	-0.0932	U,G	0.937
BG-10-03-SL	0.00063	U,G	0.0724	0	U,G	0.136	-0.0199	U,G	0.149	0.12	U,G	0.7	-0.105	U,G	0.746
BG-11-00-SL	0.0308	U,G	0.0629	0.00507	U,G	0.127	-0.062	U,G	0.167	0.263	U,G	0.527	0.157	U,G	0.624
BG-11-03-SL	-0.0263	U,G	0.115	0.0166	U,G	0.128	-0.0282	U,G	0.148	0.273	U,G	0.848	0.0734	U,G	0.738
BG-12-00-SL	0.0734	U,G	0.0977	-0.0793	U,G	0.18	0.00088	U,G	0.0748	-0.0524	U,G	0.787	-0.141	U,G	0.915
BG-12-03-SL	-0.0263	U,G	0.0856	-0.0419	U,G	0.163	0.0115	U,G	0.151	0.451	U,G	0.558	0	U,G	0.922
BG-13-00-SL	0.0446	U,G	0.0618	-0.0366	U,G	0.0963	0.0489	U,G	0.0788	-0.0166	U,G	0.485	-0.0394	U,G	0.469
BG-13-03-SL	-0.0279	U,G	0.0739	0.00603	U,G	0.135	-0.0104	U,G	0.137	0.0324	U,G	0.643	-0.131	U,G	0.685
BG-14-00-SL	0.0189	U,G	0.0832	-0.00902	U,G	0.135	0.0497	U,G	0.175	-0.0877	U,G	0.852	0.0107	U,G	0.903
BG-14-03-SL	0.0462	U,G	0.0949	0.00718	U,G	0.135	0.0826	U,G	0.174	0.122	U,G	0.69	-0.323	U,G	0.983
BG-15-00-SL	0.028	U,G	0.0739	0.0144	U,G	0.13	0.0258	U,G	0.145	0.00915	U,G	0.791	0.0967	U,G	0.682
BG-15-03-SL	0.0377	U,G	0.101	-0.105	U,G	0.204	0.0337	U,G	0.115	-0.2	U,G	0.751	-0.0896	U,G	0.873
BG-16-00-SL	-0.0117	U,G	0.0939	-0.122	U,G	0.278	0.0191	U,G	0.206	0.0952	U,G	0.884	-0.165	U,G	1.37
BG-16-03-SL	0.0338	U,G	0.0807	-0.0434	U,G	0.166	-0.0622	U,G	0.171	0.0324	U,G	0.779	-0.0121	U,G	0.672

Table H.10a Radionuclides in Off-site/Background Soils (pCi/g)

Sample ID	Europium-155			Iodine-131			Iron-59			Lead-212			Lead-214		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BG-01-00-SL	0.139	U,G	0.532	-0.0517	U,G	0.864	0	U,G	0.518	0.647	G	0.292	0.874	G,J	0.395
BG-01-03-SL	0.179	U,G	0.343	0.0648	U,G	0.794	-0.32	U,G	0.793	0.758	G	0.331	0.759	G,J	0.546
BG-02-00-SL	0.0218	U,G	0.513	-0.389	U,G	0.959	-0.224	U,G	0.692	0.656	G	0.333	0.937	G,J	0.436
BG-02-03-SL	-0.0731	U,G	0.437	0.438	U,G	0.624	0.0962	U,G	0.433	0.999	G	0.28	0.991	G,J	0.296
BG-03-00-SL	0.0121	U,G	0.371	0.251	U,G	0.612	0.132	U,G	0.365	0.817	G	0.234	0.606	G,J	0.392
BG-03-03-SL	0.369	U,G	0.51	0.537	U,G	0.812	0.0822	U,G	0.714	0.861	G	0.362	0.838	G,J	0.468
BG-04-00-SL	0.0696	U,G	0.385	0.133	U,G	0.926	-0.228	U,G	0.774	0.576	G	0.423	0.873	G,J	0.526
BG-04-03-SL	-0.0371	U,G	0.382	-0.258	U,G	1.05	0.00758	U,G	0.638	1.13	G	0.287	0.925	G,J	0.472
BG-05-00-SL	0.261	U,G	0.394	-0.22	U,G	0.7	-0.106	U,G	0.428	0.735	G	0.264	0.88	G,J	0.319
BG-05-03-SL	0.196	U,G	0.632	0.666	U,G	0.947	-0.202	U,G	0.529	1.06	G	0.403	1	G,J	0.456
BG-06-00-SL	0.1	U,G	0.385	-0.14	U,G	0.917	0.00849	U,G	0.716	0.652	G	0.432	0.581	G,J	0.442
BG-06-03-SL	0.0298	U,G	0.472	0.0628	U,G	0.839	0.0107	U,G	0.569	0.781	G	0.33	0.854	G,J	0.432
BG-07-00-SL	0.00901	U,G	0.413	0.233	U,G	0.587	-0.0704	U,G	0.478	0.589	G	0.318	0.661	G,J	0.316
BG-07-03-SL	0.0284	U,G	0.381	0.0148	U,G	1.21	0.186	U,G	0.655	0.903	G	0.31	1.12	G,J	0.421
BG-08-00-SL	0.104	U,G	0.38	0.00747	U,G	1.09	0.182	U,G	0.724	0.802	G	0.432	0.777	G,J	0.563
BG-08-03SL	0.211	U,G	0.548	-0.0102	U,G	0.99	0.266	U,G	0.831	1.26	G	0.398	1.04	G,J	0.435
BG-09-00-SL	0.0181	U,G	0.518	-0.0523	U,G	0.888	0.164	U,G	0.415	0.914	G	0.358	1.09	G,J	0.404
BG-09-03-SL	-0.0357	U,G	0.368	0.0089	U,G	0.559	-0.127	U,G	0.398	0.927	G	0.263	1.01	G,J	0.281
BG-10-00-SL	0.0563	U,G	0.446	-0.252	U,G	0.442	-0.101	U,G	0.421	1.38	G	0.251	0.885	G,J	0.274
BG-10-03-SL	0.0616	U,G	0.365	-0.0896	U,G	0.317	0	U,G	0.305	1.61	G	0.201	1.02	G,J	0.275
BG-11-00-SL	-0.00249	U,G	0.274	0.131	U,G	0.292	-0.0533	U,G	0.335	1.44	G	0.22	1.13	G,J	0.268
BG-11-03-SL	0.222	U,G	0.538	0.0712	U,G	0.295	-0.0406	U,G	0.378	1.43	G	0.285	0.845	G,J	0.284
BG-12-00-SL	-0.303	U,G	0.582	0.0523	U,G	0.37	0.0966	U,G	0.307	1.38	G	0.303	0.832	G,J	0.292
BG-12-03-SL	0.146	U,G	0.265	-0.0754	U,G	0.359	0.213	U,G	0.329	1.25	G	0.264	0.982	G,J	0.257
BG-13-00-SL	0.0605	U,G	0.317	0.0338	U,G	0.198	0.0807	U,G	0.187	1.4	G	0.155	1	G,J	0.191
BG-13-03-SL	-0.0283	U,G	0.324	-0.0486	U,G	0.31	-0.0287	U,G	0.338	1.56	G	0.188	1.09	G,J	0.235
BG-14-00-SL	-0.0375	U,G	0.305	0.102	U,G	0.328	0.00222	U,G	0.394	1.38	G	0.241	0.859	G,J	0.302
BG-14-03-SL	0.0891	U,G	0.431	-0.0155	U,G	0.354	-0.0603	U,G	0.404	1.7	G	0.216	1.21	G,J	0.323
BG-15-00-SL	0.07	U,G	0.404	-0.0323	U,G	0.329	-0.0781	U,G	0.381	0.593	G	0.21	0.681	G,J	0.277
BG-15-03-SL	0.276	U,G	0.428	-0.147	U,G	0.384	0.0369	U,G	0.307	1.38	G	0.245	0.778	G,J	0.267
BG-16-00-SL	-0.169	U,G	0.367	-0.291	U,G	0.896	-0.0303	U,G	0.639	0.69	G	0.361	0.901	G,J	0.347
BG-16-03-SL	-0.00482	U,G	0.349	-0.018	U,G	0.565	-0.0176	U,G	0.387	1.01	G	0.206	0.909	G,J	0.359

Table H.10a Radionuclides in Off-site/Background Soils (pCi/g)

Sample ID	Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94			Niobium-95		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BG-01-00-SL	0.0901	U,G	0.22	0.00212	U	0.0159	-0.094	U,G	0.384	0.045	U,G	0.244	0.0758	U,G	0.198
BG-01-03-SL	-0.111	U,G	0.338	0.02	U	0.0258	-0.137	U,G	0.376	0.036	U,G	0.246	-0.0668	U,G	0.291
BG-02-00-SL	-0.0209	U,G	0.246	-0.00233	U	0.0261	0.0862	U,G	0.27	0.116	U,G	0.226	-0.104	U,G	0.348
BG-02-03-SL	-0.051	U,G	0.184	0.00343	U	0.0222	0.0375	U,G	0.243	0.0394	U,G	0.169	0.17	G,TI	0.157
BG-03-00-SL	-0.0266	U,G	0.186	-0.0006	U	0.0234	0.0265	U,G	0.244	0.00728	U,G	0.161	-0.135	U,G	0.224
BG-03-03-SL	-0.0172	U,G	0.324	0	U	0.00759	-0.262	U,G	0.475	0.0253	U,G	0.281	-0.102	U,G	0.408
BG-04-00-SL	0	U,G	0.245	-0.0015	U	0.0252	-0.0213	U,G	0.356	-0.0897	U,G	0.285	-0.046	U,G	0.332
BG-04-03-SL	0.102	U,G	0.194	0.00262	U	0.0256	-0.151	U,G	0.369	-0.0549	U,G	0.253	-0.118	U,G	0.346
BG-05-00-SL	0	U,G	0.173	0.0003	U	0.0215	-0.0807	U,G	0.275	-0.00937	U,G	0.184	-0.0478	U,G	0.196
BG-05-03-SL	0.00707	U,G	0.288	0.002	U	0.015	0.00775	U,G	0.413	0.0675	U,G	0.235	-0.0329	U,G	0.278
BG-06-00-SL	0.0178	U,G	0.261	0.0134	LT	0.00906	0.109	U,G	0.247	0.0234	U,G	0.296	-0.002	U,G	0.288
BG-06-03-SL	0.0563	U,G	0.154	-0.00248	U	0.0278	-0.0412	U,G	0.323	0.0053	U,G	0.216	0.0291	U,G	0.221
BG-07-00-SL	-0.0359	U,G	0.198	-0.00164	U	0.0277	-0.0528	U,G	0.286	0.078	U,G	0.19	0.178	G,TI	0.171
BG-07-03-SL	0.123	U,G	0.279	0.00923	LT	0.00834	0.123	U,G	0.345	-0.126	U,G	0.379	-0.126	U,G	0.344
BG-08-00-SL	-0.107	U,G	0.357	0.00632	U	0.0214	-0.00871	U,G	0.4	-0.0516	U,G	0.3	0.0572	U,G	0.311
BG-08-03SL	0.0167	U,G	0.314	0.011	U	0.0156	0.0796	U,G	0.382	0.112	U,G	0.23	-0.267	U,G	0.446
BG-09-00-SL	0	U,G	0.279	0.00288	U	0.0281	0.041	U,G	0.321	0.109	U,G	0.187	-0.0841	U,G	0.338
BG-09-03-SL	-0.0332	U,G	0.164	0.0066	U	0.0269	0.0546	U,G	0.225	0.00412	U,G	0.162	0.0417	U,G	0.165
BG-10-00-SL	0.118	U,G	0.134	0.00033	U	0.0239	0.0327	U,G	0.208	-0.0355	U,G	0.179	0.00076	U,G	0.186
BG-10-03-SL	0	U,G	0.133	-0.00452	U	0.0253	-0.181	U,G	0.24	-0.0398	U,G	0.128	0.0443	U,G	0.149
BG-11-00-SL	0.0213	U,G	0.118	0.009	U	0.0251	-0.0074	U,G	0.192	0.00272	U,G	0.139	0.00976	U,G	0.166
BG-11-03-SL	0.0139	U,G	0.15	-0.00186	U	0.0196	-0.0487	U,G	0.236	-0.0391	U,G	0.144	-0.0607	U,G	0.185
BG-12-00-SL	0.0112	U,G	0.152	-0.00475	U	0.0266	-0.00433	U,G	0.284	0.0322	U,G	0.148	-0.00096	U,G	0.183
BG-12-03-SL	-0	U,G	0.152	0.00257	U	0.0251	-0.00704	U,G	0.235	-0.0208	U,G	0.158	-0.0554	U,G	0.18
BG-13-00-SL	0.0208	U,G	0.095	-0.00307	U	0.0243	-0.0082	U,G	0.169	0.0163	U,G	0.0894	0.00274	U,G	0.101
BG-13-03-SL	0.0448	U,G	0.113	-0.00362	U	0.0311	0.0664	U,G	0.169	-0.075	U,G	0.139	-0.0465	U,G	0.154
BG-14-00-SL	-0.0084	U,G	0.179	0.0101	U	0.028	-0.0182	U,G	0.258	0.0341	U,G	0.135	-0.013	U,G	0.167
BG-14-03-SL	0.0219	U,G	0.164	0.0105	U	0.0194	-0.0405	U,G	0.241	-0.0382	U,G	0.161	0.0602	U,G	0.139
BG-15-00-SL	0.0229	U,G	0.133	0.00159	U	0.0267	0.0678	U,G	0.232	0.0473	U,G	0.111	0.0197	U,G	0.174
BG-15-03-SL	0.0383	U,G	0.1	0.00269	U	0.0262	0.112	U,G	0.221	-0.0354	U,G	0.163	-0.0562	U,G	0.192
BG-16-00-SL	-0.0732	U,G	0.246	0.00311	U	0.00844	0.0548	U,G	0.292	0.044	U,G	0.188	-0.0303	U,G	0.256
BG-16-03-SL	-0.0191	U,G	0.15	0.00438	U	0.0197	-0.0298	U,G	0.234	-0.0103	U,G	0.144	0.0423	U,G	0.172

Table H.10a Radionuclides in Off-site/Background Soils (pCi/g)

Sample ID	Plutonium 238			Plutonium 239/240			Potassium-40			Protactinium-234			Radium 226		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BG-01-00-SL	0	U	0.00986	0.00255	U	0.0191	8.6	G	3.03	-2.43	U,G	36.5	1.34		0.367
BG-01-03-SL	0.00293	U	0.022	0	U	0.0114	12	G	3.15	-4.91	U,G	45.9	0.976	LT	0.453
BG-02-00-SL	-0.00073	U	0.0286	0.00367	U	0.00994	14.6	G	2.5	-4.95	U,G	46.5	1.32	G	0.533
BG-02-03-SL	-0.005	U	0.0396	-0.00333	U	0.035	16.5	G	2.31	-13.6	U,G	34.9	1.53	G	0.564
BG-03-00-SL	-0.00308	Y2,U	0.0323	0	Y2,U	0.0139	11.5	G	2.19	-4.62	U,G	31.4	1.28	G	0.407
BG-03-03-SL	0	U	0.00939	-0.00104	U	0.0182	14.6	G	4.38	16.9	U,G	44.2	1.27	G	0.613
BG-04-00-SL	-0.00269	U	0.0283	0.0224	LT	0.0122	13.2	G	3.26	13	U,G	56.2	1.42	G	0.571
BG-04-03-SL	0.00409	U	0.0265	0	U	0.0101	13.7	G	3.06	17.5	U,G	37.5	1.42	G	0.346
BG-05-00-SL	0.00306	U	0.023	-0.00131	U	0.023	13.1	G	2.25	0.116	U,G	27	1.52	G	0.42
BG-05-03-SL	-0.00121	U	0.0212	0.00282	U	0.0211	13	G	3.51	-13.4	U,G	57	1.59	G	0.532
BG-06-00-SL	-0.00084	U	0.0328	0.00294	U	0.0221	9.51	G	3.07	0	U,G	42.6	1.34	G	0.505
BG-06-03-SL	0.00146	U	0.023	-0.00109	U	0.0192	13.8	G	2.82	2.36	U,G	39.4	1.64	G	0.501
BG-07-00-SL	0.00244	U	0.0183	-0.00104	U	0.0183	12.2	G	2.45	7.95	U,G	29.5	1.16	G	0.39
BG-07-03-SL	-0.00114	U	0.0199	0	U	0.0103	11.2	G	3.6	7.85	U,G	54.4	1.41	G	0.417
BG-08-00-SL	-0.00241	U	0.0253	0.00281	U	0.0211	11.5	G	3.9	-14.2	U,G	66.6	1.62	G	0.589
BG-08-03SL	-0.00123	U	0.0215	0.00286	U	0.0215	11.5	G	5.44	9.84	U,G	46.3	1.61	G	0.473
BG-09-00-SL	-0.0035	U	0.0277	0.00272	U	0.0204	11.1	G	4.53	14.1	U,G	42.3	1.63		0.35
BG-09-03-SL	-0.00704	U	0.035	0.0106	U	0.0206	10.4	G	2.04	2.87	U,G	22.9	1.97	G	0.518
BG-10-00-SL	-0.00221	U	0.0233	0.00148	U	0.0233	14.8	G	2.55	6.84	U,G	26.8	1.74	G	0.572
BG-10-03-SL	0	U	0.0112	0	U	0.0112	12	G	1.5	9.05	U,G	19.1	1.6	G	0.565
BG-11-00-SL	0.00152	U	0.0241	0.00381	U	0.0103	14	G	1.4	-5.97	U,G	21.6	1.67	G	0.564
BG-11-03-SL	0.0036	U	0.00976	-0.00216	U	0.0227	11.6	G	1.69	3.13	U,G	21.2	1.58	G	0.501
BG-12-00-SL	0.00246	U	0.0185	0.00352	U	0.00954	14.9	G	1.82	0	U,G	27.8	1.62	G	0.47
BG-12-03-SL	0	U	0.00953	0.00352	U	0.00953	15	G	1.29	6.05	U,G	28	1.69	G	0.514
BG-13-00-SL	0	U	0.0123	0.0181	LT	0.0123	14.6	G	1.17	-0.138	U,G	14.5	1.55	G	0.534
BG-13-03-SL	-0.00221	U	0.0232	-0.0011	U	0.0193	15	G	1.39	1.5	U,G	22	1.86	G	0.528
BG-14-00-SL	0.00462	U	0.0125	0.0024	U	0.0274	14.2	G	1.89	6.99	U,G	25.9	1.34	G	0.553
BG-14-03-SL	0.00842	U	0.0239	0	U	0.013	13.1	G	2.19	5.36	U,G	22.4	1.56	G	0.566
BG-15-00-SL	0	U	0.0129	0.00475	U	0.0129	8.13	G	2.26	-10.5	U,G	27.8	0.995	LT,G	0.529
BG-15-03-SL	0	U	0.0125	-0.00111	U	0.023	13.3	G	1.78	6.8	U,G	21.6	1.37	G	0.59
BG-16-00-SL	-0.00368	U	0.0291	-0.00123	U	0.0215	10	G	3.58	2.5	U,G	37.5	1.26	G	0.419
BG-16-03-SL	-0.00252	U	0.0265	0.00294	U	0.0221	12	G	2.15	-8.94	U,G	25.5	1.32	G	0.462

Table H.10a Radionuclides in Off-site/Background Soils (pCi/g)

Sample ID	Ruthenium-106			Scandium 46			Silver-110			Sodium-22			Thallium-208		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BG-01-00-SL	-0.51	U,G	2.11	-0.00456	U,G	0.214	0.034	U,G	0.198	-0.0463	U,G	0.266	0.321	G	0.194
BG-01-03-SL	-0.301	U,G	2.45	0.0378	U,G	0.227	0.0709	U,G	0.205	0	U,G	0.305	0.0777	U,G	0.293
BG-02-00-SL	0.311	U,G	2.09	-0.0464	U,G	0.28	0.0231	U,G	0.201	0.0362	U,G	0.217	0.214	G	0.198
BG-02-03-SL	-0.215	U,G	1.71	0.0614	U,G	0.168	-0.0709	U,G	0.175	-0.05	U,G	0.198	0.214	G	0.192
BG-03-00-SL	-0.654	U,G	1.81	0.00467	U,G	0.177	-0.078	U,G	0.203	-0.068	U,G	0.204	0.153	U,G	0.17
BG-03-03-SL	-0.512	U,G	2.73	-0.0824	U,G	0.359	-0.0792	U,G	0.318	-0.0086	U,G	0.451	0.357	G,TI	0.301
BG-04-00-SL	0.855	U,G	2.23	-0.039	U,G	0.256	-0.0766	U,G	0.283	-0.0481	U,G	0.401	0.224	U,G	0.257
BG-04-03-SL	0.102	U,G	2.11	0	U,G	0.233	-0.0569	U,G	0.214	-0.0432	U,G	0.278	0.277	G	0.225
BG-05-00-SL	-0.236	U,G	1.58	0.0184	U,G	0.173	-0.129	U,G	0.175	-0.00353	U,G	0.202	0.266	G	0.17
BG-05-03-SL	0.56	U,G	1.78	0.0468	U,G	0.249	-0.0249	U,G	0.217	0.0254	U,G	0.312	0.457	G	0.242
BG-06-00-SL	-0.116	U,G	2.1	-0.0857	U,G	0.297	-0.0516	U,G	0.234	-0.028	U,G	0.316	0.219	U,G	0.276
BG-06-03-SL	0	U,G	1.8	-0.0148	U,G	0.268	0.0992	U,G	0.119	0.0173	U,G	0.208	0.305	G	0.202
BG-07-00-SL	0.197	U,G	1.88	-0.0197	U,G	0.18	-0.0163	U,G	0.238	0.0528	U,G	0.177	0.278	G	0.188
BG-07-03-SL	-0.485	U,G	2.81	-0.0417	U,G	0.392	0.00936	U,G	0.293	0.181	U,G	0.311	0.31	G	0.219
BG-08-00-SL	0.27	U,G	2.31	-0	U,G	0.316	0.0359	U,G	0.213	0.0262	U,G	0.343	0.387	G,TI	0.289
BG-08-03SL	0.621	U,G	2.5	0.179	U,G	0.185	-0.0182	U,G	0.29	-0.134	U,G	0.439	0.367	G	0.321
BG-09-00-SL	-0.534	U,G	2.21	0.12	U,G	0.271	0.0468	U,G	0.232	0.0251	U,G	0.31	0.378	G	0.257
BG-09-03-SL	-0.0703	U,G	1.46	0.0101	U,G	0.154	0.00898	U,G	0.126	0.0248	U,G	0.17	0.344	G	0.147
BG-10-00-SL	-0.175	U,G	1.31	0	U,G	0.152	0.0304	U,G	0.134	0.0103	U,G	0.215	0.359	G	0.166
BG-10-03-SL	-0.561	U,G	1.23	-0.0668	U,G	0.161	0.0557	U,G	0.118	0	U,G	0.164	0.49	G	0.148
BG-11-00-SL	-0.253	U,G	1.19	0.0142	U,G	0.118	-0.0223	U,G	0.137	-0.0179	U,G	0.148	0.435	G	0.123
BG-11-03-SL	-0.314	U,G	1.37	0.0261	U,G	0.16	0.00497	U,G	0.129	-0.0424	U,G	0.177	0.307	G	0.122
BG-12-00-SL	-0.119	U,G	1.2	0.0076	U,G	0.132	-0.0659	U,G	0.158	0.0545	U,G	0.164	0.433	G	0.116
BG-12-03-SL	0.321	U,G	1.33	0	U,G	0.179	-0.011	U,G	0.143	0.0446	U,G	0.157	0.588	G	0.165
BG-13-00-SL	-0.483	U,G	0.976	-0.0273	U,G	0.0998	0.02	U,G	0.0729	-0.0124	U,G	0.104	0.369	G	0.0835
BG-13-03-SL	0.306	U,G	1.1	-0.00759	U,G	0.127	0.0249	U,G	0.115	0.00063	U,G	0.145	0.358	G	0.122
BG-14-00-SL	0.0247	U,G	1.38	-0.0382	U,G	0.166	-0.00821	U,G	0.173	0.024	U,G	0.111	0.426	G	0.14
BG-14-03-SL	-0.116	U,G	1.39	-0.0331	U,G	0.186	-0.0313	U,G	0.157	-0.0731	U,G	0.22	0.512	G	0.165
BG-15-00-SL	-0.242	U,G	1.18	0	U,G	0.137	-0.0938	U,G	0.168	-0.0178	U,G	0.206	0.16	G	0.138
BG-15-03-SL	0.114	U,G	1.21	0.0379	U,G	0.114	-0.00015	U,G	0.127	0.0451	U,G	0.125	0.437	G	0.127
BG-16-00-SL	-0.408	U,G	2.23	0.0155	U,G	0.233	-0.0455	U,G	0.19	-0.00463	U,G	0.292	0.284	G	0.23
BG-16-03-SL	-0.392	U,G	1.62	-0.021	U,G	0.174	0.0299	U,G	0.132	0.022	U,G	0.179	0.184	G	0.164

Table H.10a Radionuclides in Off-site/Background Soils (pCi/g)

Sample ID	Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)			Thorium-232 (A)			Thorium-234 (G)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BG-01-00-SL	0.142	U,G	1.14	0.661	M3	0.105	0.712		0.0991	0.723		0.0424	1.77	U,G	3.05
BG-01-03-SL	-0.115	U,G	1.26	0.826		0.0581	0.816		0.0839	0.825		0.0257	-1	U,G	2.09
BG-02-00-SL	-0.217	U,G	1.26	0.735		0.0516	0.872		0.0909	0.745		0.0317	-0.807	U,G	3.19
BG-02-03-SL	0	U,G	1.21	1.04		0.0769	0.905		0.0995	0.903		0.0334	1.01	U,G	2.17
BG-03-00-SL	-0.0695	U,G	1.08	0.919		0.0437	0.921		0.0872	0.791		0.0299	0.613	U,G	1.99
BG-03-03-SL	-0.586	U,G	1.94	1.01		0.0826	0.858		0.0916	0.839		0.0434	4.03	G,TI	3.93
BG-04-00-SL	-0.396	U,G	1.44	0.775		0.0954	0.811	M3	0.101	0.886		0.0327	1	U,G	2.59
BG-04-03-SL	0.0342	U,G	1.22	1.03		0.0832	0.853		0.0908	0.952		0.024	1.29	U,G	2.1
BG-05-00-SL	-2.15	U,G	13.8	0.82	M3	0.114	0.955		0.0956	0.803		0.0489	-0.0903	U,G	2.19
BG-05-03-SL	0.7	U,G	1.13	1.17		0.0784	1.03		0.0959	0.989		0.0143	-0.499	U,G	4.2
BG-06-00-SL	0.116	U,G	1.33	0.807	M3	0.114	0.708		0.0921	0.804		0.0243	1.14	U,G	2.42
BG-06-03-SL	0.45	U,G	0.866	1.07		0.0944	1.02		0.0924	0.895		0.033	0.887	U,G	3.5
BG-07-00-SL	-0.179	U,G	1.26	0.703		0.0903	0.75		0.091	0.732		0.0287	0.185	U,G	2.39
BG-07-03-SL	0.0852	U,G	1.37	1.08		0.0989	1.08		0.0956	0.923		0.0332	0.752	U,G	2.37
BG-08-00-SL	0.56	U,G	1.04	1.15	M3	0.105	1.39	M3	0.104	1.26		0.037	1.96	U,G	2.57
BG-08-03SL	0	U,G	1.72	1.33		0.0824	1.16		0.0924	1.24		0.0418	1.91	U,G	3.88
BG-09-00-SL	-0.385	U,G	1.57	1.21		0.0726	1.09		0.0898	1.32		0.0244	-0.433	U,G	3.61
BG-09-03-SL	-0.598	U,G	1.09	1.14		0.0758	1.12		0.096	1.32		0.0143	0.736	U,G	2.35
BG-10-00-SL	-0.206	U,G	1.24	1.25		0.0538	1.08		0.0867	1.04		0.0332	2.19	U,G	3.23
BG-10-03-SL	-0.148	U,G	0.912	1.25		0.0542	1.16		0.0882	1.22		0.0335	3.35	G,TI	2.76
BG-11-00-SL	0.323	U,G	0.945	1.23		0.0852	1.15		0.0846	1.2		0.0259	2.2	G	1.74
BG-11-03-SL	-0.2	U,G	1.36	1.23		0.0855	1.24		0.0838	1.22		0.0229	-0.185	U,G	3.5
BG-12-00-SL	-0.112	U,G	1.03	1.35		0.0839	1.25		0.0911	1.17		0.013	2.41	U,G	3.23
BG-12-03-SL	0.0641	U,G	0.913	1.22		0.0837	1.26		0.0861	1.12		0.0274	1.64	U,G	1.84
BG-13-00-SL	-0.188	U,G	0.755	0.991		0.0929	1.01		0.0829	0.856		0.0309	2.6	U,G	2.61
BG-13-03-SL	0.119	U,G	0.797	1.14	M3	0.107	1.18		0.0837	1.1		0.0424	0.913	U,G	2.39
BG-14-00-SL	0.575	U,G	0.877	1.06	M3	0.111	1.34		0.0945	1.1		0.039	1.72	U,G	2.13
BG-14-03-SL	-0.326	U,G	1.27	1.32	M3	0.131	1.3		0.0904	1.29		0.0255	1.46	U,G	3.11
BG-15-00-SL	-0.171	U,G	0.968	0.748		0.0693	0.852		0.076	0.665		0.0342	0.595	U,G	2.49
BG-15-03-SL	-0.0644	U,G	1.03	1.26		0.095	1.06		0.0851	1.23		0.0284	1.67	U,G	3.33
BG-16-00-SL	0.444	U,G	1.12	0.791		0.0861	0.825		0.0883	0.806		0.0224	0.728	U,G	1.84
BG-16-03-SL	0.0469	U,G	0.933	0.933		0.081	0.969		0.0986	0.918		0.0479	-0.0841	U,G	2.01

Table H.10a Radionuclides in Off-site/Background Soils (pCi/g)

Sample ID	Uranium-234 (A)			Uranium-235 (A)			Uranium-235 (G)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BG-01-00-SL	0.684		0.0161	0.0256	U	0.0256	-0.309	U,G	0.976	0.554		0.0218	-0.229	U,G	0.717
BG-01-03-SL	0.656		0.0378	0.0629	LT	0.0276	-0.271	U,G	0.984	0.649		0.0323	-0.298	U,G	0.811
BG-02-00-SL	0.7		0.03	0.021	LT	0.0114	-0.0421	U,G	0.907	0.766		0.00966	-0.107	U,G	0.667
BG-02-03-SL	0.751		0.0229	0.033	LT	0.0199	-0.516	U,G	0.917	0.736		0.0203	0.00423	U,G	0.64
BG-03-00-SL	0.644		0.0227	0.0297	LT	0.018	0.172	U,G	0.727	0.878		0.0183	0.198	U,G	0.648
BG-03-03-SL	0.742		0.0213	0.0532	LT	0.0251	0.281	U,G	1.1	0.811		0.00811	-0.189	U,G	0.952
BG-04-00-SL	0.672		0.0294	0.0391	LT	0.0312	0.065	U,G	0.932	0.602		0.028	-0.156	U,G	0.649
BG-04-03-SL	0.743		0.0156	0.0802	LT	0.00945	0.131	U,G	0.69	0.758		0.0156	-0.324	U,G	0.768
BG-05-00-SL	0.712		0.018	0.0168	LT	0.0091	-0.247	U,G	0.82	0.745		0.0223	-0.229	U,G	0.462
BG-05-03-SL	0.784		0.0146	0.0514	LT	0.0172	0.323	U,G	0.871	0.801		0.0217	-0.288	U,G	0.746
BG-06-00-SL	0.695		0.0215	0.0695	LT	0.0205	0.154	U,G	0.796	0.673		0.0145	-0.479	U,G	0.846
BG-06-03-SL	0.87		0.0287	0.0672	LT	0.0198	0.392	U,G	0.85	0.821		0.0208	-0.513	U,G	0.816
BG-07-00-SL	0.633		0.0276	0.022	LT	0.0217	-0.328	U,G	0.915	0.634		0.0208	-0.149	U,G	0.465
BG-07-03-SL	0.719		0.0324	0.0471	LT	0.0168	-0.133	U,G	1.03	0.744		0.0194	0.0932	U,G	0.863
BG-08-00-SL	0.942		0.0431	0.066	LT	0.0306	0.0366	U,G	1.04	0.985		0.0299	0.217	U,G	0.599
BG-08-03SL	0.922		0.0161	0.0617	LT	0.0257	0.101	U,G	1.07	0.957		0.0218	-0.266	U,G	0.86
BG-09-00-SL	0.922		0.0373	0.0692	LT	0.0273	0.0574	U,G	0.999	0.98		0.0281	-0.087	U,G	0.845
BG-09-03-SL	0.889		0.0179	0.0399	LT	0.00902	-0.145	U,G	0.709	0.963		0.0179	-0.238	U,G	0.438
BG-10-00-SL	0.906		0.0247	0.066	LT	0.0237	0.267	U,G	0.691	0.996		0.0169	-0.171	U,G	0.522
BG-10-03-SL	0.895		0.0248	0.0494	LT	0.0292	0.163	U,G	0.552	0.942		0.0101	-0.106	U,G	0.408
BG-11-00-SL	0.968		0.0359	0.0628	LT	0.0212	-0.096	U,G	0.589	0.96		0.0241	0.00314	U,G	0.375
BG-11-03-SL	0.838		0.0208	0.0814	LT	0.0205	0.0184	U,G	0.801	0.871		0.00948	-0.148	U,G	0.399
BG-12-00-SL	0.943		0.021	0.0583	LT	0.0113	0.274	U,G	0.67	0.859		0.0257	0	U,G	0.313
BG-12-03-SL	0.924		0.0327	0.0287	LT	0.0261	-0.0987	U,G	0.758	0.98		0.0249	-0.0923	U,G	0.456
BG-13-00-SL	0.906		0.0416	0.0426	LT	0.0308	0.103	U,G	0.626	0.855		0.0315	0.14	U,G	0.326
BG-13-03-SL	0.821		0.0285	0.0614	LT	0.0286	0.14	U,G	0.558	0.99		0.0265	-0.306	U,G	0.41
BG-14-00-SL	0.839		0.0316	0.0174	U	0.027	0.406	U,G	0.644	0.921		0.0251	-0.181	U,G	0.463
BG-14-03-SL	0.842		0.0235	0.0325	LT	0.0226	-0.244	U,G	0.822	0.96		0.0161	-0.257	U,G	0.488
BG-15-00-SL	0.533		0.0174	0.0258	U	0.0273	0.0273	U,G	0.737	0.59		0.0232	0.0339	U,G	0.423
BG-15-03-SL	0.898		0.0216	0.0589	LT	0.0214	-0.0131	U,G	0.689	0.795		0.0216	-0.0358	U,G	0.349
BG-16-00-SL	0.648		0.0211	0.0512	LT	0.0107	-0.215	U,G	0.756	0.718		0.0211	0.0473	U,G	0.506
BG-16-03-SL	0.672		0.0224	0.025	LT	0.0214	0.0322	U,G	0.699	0.629		0.0151	0.295	U,G	0.591

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241 (A)			Americium-241 (G)			Antimony-124		
	Result	MDL	Q	Result	MDL	Q	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-13-09-SL	0.633	0.803	U,G	-0.157	0.341	U,G				-0.174	U,G	0.433	0.135	U,G	0.264
BD-13-15-SL	1.12	0.87	G	-0.049	0.348	U,G				-0.141	U,G	0.425	0.0887	U,G	0.276
BD-13-23-SL	1.08	0.788	G	-0.0864	0.351	U,G				0.189	U,G	0.706	0.0191	U,G	0.293
BD-13-30-SL	0.629	0.783	U,G	-0.00352	0.168	U,G				0.0151	U,G	1.08	0	U,G	0.22
BD-14-05-SL	1.22	1	G,TI	0	0.0854	U,G				0.0479	U,G	0.236	0.0698	U,G	0.297
BD-14-13-SL	0.939	0.67	G	-0.0709	0.289	U,G				0.223	U,G	0.694	-0.0594	U,G	0.274
BD-14-25-SL	1.14	1.12	TI	-0.00992	0.301	U				-0.0787	U	0.263	0.0263	U	0.209
BD-14-31-SL	0.675	0.847	U	0.0601	0.0814	U				-0.00652	U	0.198	0	U	0.278
BD-15-05-SL	1.13	0.815	G,TI	0.0347	0.193	U,G				-0.177	U,G	0.743	-0.137	U,G	0.294
BD-15-17-SL	1.52	1.21	G	-0.0509	0.386	U,G				0.265	G,TI	0.262	0	U,G	0.435
BD-15-25-SL	0.978	0.743		-0.0347	0.214	U				-0.0294	U	0.642	0.00566	U	0.225
BD-15-31-SL	1.54	0.969	G,TI	-0.166	0.496	U,G				-0.0328	U,G	0.297	-0.0462	U,G	0.3
BD-16-05-SL	0.754	1.1	U,G	-0.088	0.435	U,G				0.0215	U,G	0.257	0.0308	U,G	0.3
BD-16-15-SL	1.18	0.66	G,TI	0.0461	0.0623	U,G				-0.146	U,G	0.855	-0.0202	U,G	0.25
BD-16-19-SL	1.44	0.902	G,TI	-0.0162	0.32	U,G				-0.122	U,G	1.21	0.117	U,G	0.278
BD-16-25-SL	1.38	1.17	G,TI	0.055	0.432	U,G				0.089	U,G	0.283	0.0343	U,G	0.311
BD-16-34-SL	0.968	0.927	G,TI	0.0475	0.0642	U,G				-0.0368	U,G	0.852	0.147	U,G	0.25
BLD240-01-01	1.24	0.82	TI	0.017	0.146	U	0.00692	LT	0.0031	-0.02	U	1.26	-0.08	U	0.24
BLD240-01-09	0.9	0.86	TI	0.017	0.195	U				-0.23	U	1.27	0.11	U	0.22
BLD240-01-09FD	1.02	0.62		0.017	0.138	U				0.57	U	1.03	0.03	U	0.22
BLD240-01-31							0.00478	U	0.0089						
BLD240-03-04	1.3	0.81		0.01	0.33	U	0.00205	U	0.0028	0.06	U	0.26	0.02	U	0.28
BLD240-03-04FD	0.96	0.91	TI	-0.09	0.29	U				-0.11	U	1.38	-0.11	U	0.24
BLD240-03-14							0.00195	U	0.0072						
BLD240-03-19	1.31	1.06		-0.08	0.41	U				-0.08	U	0.27	-0.04	U	0.32
BLD240-04-02	1.05	0.86		-0.003	0.194	U	0.00912	LT	0.0062	-0.24	U	1.32	-0.06	U	0.29
BLD240-04-04	1.18	0.78		-0.002	0.149	U				-0.29	U	1.27	-0.04	U	0.25
BLD240-04-33							0.00402	U	0.0074						
BLD240-05-01	0.49	1.02	U	-0.14	0.36	U				-0.08	U	0.25	-0.08	U	0.3
BLD240-05-02	0.87	0.9	U	0.04	0.28	U				0	U	0.27	-0.08	U	0.31
BLD253-02-01	0.16	0.6	U	0.043	0.178	U				-0.06	U	0.9	-0.07	U	0.22
BLD253-02-04	1.19	0.83	TI	-0.029	0.221	U	0.00323	LT	0.0029	0.08	U	0.31	-0.05	U	0.28
BLD253-02-21FD	1.1	0.68	TI	-0.02	0.23	U				0.13	U	1.17	0.02	U	0.23
BLD253-02-21							0.00282	LT	0.0026						
BLD255-05-01							0.00595	LT	0.0027						
BLD255-05-23							0.00095	U	0.0089						
BLD255-07-02	0.72	0.6		-0.003	0.183	U	0.00408	U	0.0075	-0.21	U	1.19	0.04	U	0.24
BLD255-07-15	0.93	0.78		0.04	0.24	U				-0.04	U	0.26	0.11	U	0.25
BLD255-07-33							0.00397	U	0.0073						
BLD255-08-01	1	0.7		0.05	0.19	U	0.00414	LT	0.0028	-0.7	U	2.1	-0.06	U	0.26
BLD255-08-08	1.3	0.89		0.01	0.3	U	0.00827	LT	0.0076	-0.17	U	0.3	-0.02	U	0.27
BLD260-06-01	1	0.7		-0.063	0.217	U	0.00295	LT	0.0027	0.45	U	1.35	0.02	U	0.21
BLD260-06-03	1.05	0.72		0.08	0.21	U				0.01	U	0.26	-0.04	U	0.29

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241 (A)			Americium-241 (G)			Antimony-124		
	Result	MDL	Q	Result	MDL	Q	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BLD260-06-31							0.00558	LT	0.0025						
BP-13-05-SL	0.928	0.786	G,TI	0.00387	0.263	U,G				0.0101	U,G	0.772	0.171	U,G	0.261
BP-13-11-SL	1.3	0.82	G	0.0778	0.191	U,G				0	U,G	0.714	0.0351	U,G	0.252
BP-13-15-SL	0.789	1	U,G	-0.183	0.473	U,G				0.0503	U,G	0.263	0.0148	U,G	0.331
BP-13-25-SL	0.752	0.908	U,G	-0.0767	0.395	U,G				-0.405	U,G	1.18	-0.027	U,G	0.288
BP-13-35-SL	0.839	0.536	G	-0.0344	0.308	U,G				0.135	U,G	0.68	0.0428	U,G	0.247
BP-17-05-SL	1.28	1.26	G,TI	0.0284	0.27	U,G				-0.0325	U,G	0.263	-0.0157	U,G	0.285
BP-17-15-SL	1.21	0.703		0.102	0.055	TI				-0.2	U	0.723	-0.114	U	0.283
BP-17-23-SL	1.37	0.916	G	0.0697	0.0628	G,TI				-0.348	U,G	0.808	-0.00143	U,G	0.272
BP-17-31-SL	0.85	0.958	U,G	0.0594	0.257	U,G				-0.0477	U,G	0.265	0.0898	U,G	0.237
BP-18-05-SL	1.07	1.08	U,G	-0.0761	0.392	U,G				-0.301	U,G	1.15	0.0383	U,G	0.313
BP-18-15-SL	1.32	0.961	G,TI	-0.0174	0.409	U,G				0.00301	U,G	0.284	0.0802	U,G	0.302
BP-18-25-SL	1.19	0.883	G,TI	0.0264	0.309	U,G				0.452	U,G	1.08	-0.0398	U,G	0.338
BP-18-31-SL	0.168	0.457	U	0.0109	0.164	U				-0.173	U	0.555	-0.0276	U	0.212
BP-19-05-SL	0.809	0.576		-0.0349	0.216	U				-0.36	U	0.717	0.0282	U	0.217
BP-19-13-SL	1.08	0.826		-0.052	0.286	U				0.577	U	0.852	-0.0732	U	0.304
BP-19-25-SL	1.17	0.9	G,TI	0.0847	0.0573	G,TI				-0.123	U,G	0.757	0.0536	U,G	0.234
BP-19-29-SL	1.33	1.05	TI	-0.0097	0.294	U				-0.0467	U	0.231	-0.0537	U	0.278
BP-20-03-SL	1.01	0.884		0.0479	0.29	U				-0.0997	U	0.252	0.0266	U	0.25
BP-20-19-SL	1.01	0.954	G,TI	0.0714	0.0644	G,TI				-0.188	U,G	1.06	-0.084	U,G	0.328
BP-20-27-SL	0.723	0.845	U	0.0304	0.169	U				-0.095	U	0.58	0.00476	U	0.193
BP-21-07-SL	1.07	1.17	U,G	-0.0475	0.373	U,G				-0.092	U,G	0.292	0	U,G	0.356
BP-21-07-SL-FD	1.15	0.94		0	0.261	U				0.176	U	1.06	0.034	U	0.26
BP-21-13-SL	0.855	0.663		-0.0168	0.229	U				0.0673	U	0.703	0.086	U	0.257
BP-21-24-SL	1.16	1.16	U,G	0.115	0.318	U,G				0.0559	U,G	0.264	-0.0735	U,G	0.338
BP-21-34-SL	0.398	0.668	U	-0.0637	0.328	U				0.112	U	0.766	-0.0973	U	0.296
BP-22-05-SL	0.983	0.61	G	-0.0273	0.289	U,G				0.244	U,G	0.781	0.0473	U,G	0.228
BP-22-13-SL	1.03	0.779	G	0.0224	0.262	U,G				-0.414	U,G	1	0.0677	U,G	0.247
BP-22-23-SL	0.786	0.787	U	0.0114	0.171	U				-0.368	U	0.733	-0.0868	U	0.266
BP-22-33-SL	0.297	0.958	U	0.0215	0.205	U				0.0101	U	0.189	0.0837	U	0.233
CB-02-05-SL	1	0.717	G	-0.0878	0.341	U,G				0.172	U,G	1.17	0	U,G	0.295
CB-02-05-SL-FD	1.03	1.12	U,G	-0.0519	0.304	U,G				-0.171	U,G	1.26	0.0946	U,G	0.318
CB-02-15-SL	0.775	0.787	U,G	-0.00724	0.22	U,G				-0.155	U,G	1.12	0	U,G	0.267
CB-02-25-SL	1.65	1.02	G,TI	-0.0855	0.414	U,G				-0.0967	U,G	1.13	0	U,G	0.312
DM-02-05-SL	0.891	0.831		0.0514	0.223	U				0.126	U	0.446	0.0266	U	0.284
DM-02-17-SL	0.614	1.05	U,G	-0.0401	0.358	U,G				-0.677	U,G	0.922	-0.0108	U,G	0.276
DM-02-22-SL	0.791	0.998	U	-0.0696	0.301	U				0.101	U	0.423	-0.214	U	0.351
DM-02-33-SL	1.18	0.694		-0.0246	0.26	U				0.526	U	0.896	0.0164	U	0.251
DM-03-05-SL	1.25	0.901	G,TI	0.0221	0.0599	U,G				0.158	U,G	0.765	-0.0458	U,G	0.317
DM-03-05-SL-FD	1.34	1.03	G,TI	0.0571	0.346	U,G				0.0505	U,G	0.27	-0.0332	U,G	0.334
DM-03-13-SL	1.08	0.79	G	-0.0475	0.28	U,G				0.00403	U,G	0.745	0.0342	U,G	0.245
DM-03-25-SL	0.341	1.15	U,G	-0.0822	0.387	U,G				-0.0185	U,G	0.262	0	U,G	0.3
DM-03-34-SL	0.838	0.724	G,TI	-0.0484	0.285	U,G				0.229	U,G	0.669	0.0139	U,G	0.242

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241 (A)			Americium-241 (G)			Antimony-124		
	Result	MDL	Q	Result	MDL	Q	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
EP-13-03-SL	1.18	0.77	J	-0.00364	0.173	UJ				0.747	UJ	1.28	-0.0598	UJ	0.269
EP-13-13-SL	0.979	0.899	J	-0.0611	0.48	UJ				-0.0506	UJ	0.27	-0.128	UJ	0.376
EP-13-25-SL	1.05	0.631	J	-0.00728	0.221	UJ				-0.0935	UJ	1.21	-0.0479	UJ	0.294
EP-13-30-SL	0.98	0.638	J	0.106	0.0575	J				0.0463	UJ	0.645	0.0204	UJ	0.258
EP-14-05-SL	1.13	0.832	J	0.0305	0.29	UJ				0.0634	UJ	0.288	0.281	U	0.306
EP-14-13-SL	1.17	0.791	J	0.0145	0.219	UJ				-0.418	UJ	1.28	-0.143	UJ	0.286
EP-14-25-SL	1.07	0.955	J	-0.00795	0.241	UJ				-0.238	UJ	1.26	0.0131	UJ	0.279
EP-14-31-SL	0.724	0.902	U	-0.062	0.248	UJ				0	UJ	0.697	0.0885	UJ	0.202
EP-15-05-SL	1.12	1.16	U,G	-0.1	0.387	U,G				0.463	U,G	1.05	-0.0533	U,G	0.346
EP-15-13-SL	0.983	1.17	U,G	-0.122	0.378	U,G				0.0323	U,G	1.22	0.026	U,G	0.313
EP-15-25-SL	0.469	0.868	U	0.0446	0.271	U				-0.0174	U	0.209	-0.0524	U	0.279
EP-15-29-SL	0.993	0.865	TI	0	0.262	U				-0.0884	U	0.936	0.0119	U	0.297
EP-16-05-SL	1.14	0.759	G	0.0698	0.0629	G,TI				-0.0203	U,G	0.749	0.0105	U,G	0.285
EP-16-15-SL	1.01	0.806	G	-0.0372	0.292	U,G				0.594	U,G	1.01	0.0225	U,G	0.259
EP-16-27-SL	0.0587	0.629	U	0.0345	0.0467	U				0.345	U	0.658	0	U	0.22
EP-17-05-SL	1.81	1.14	G,TI	-0.0505	0.396	U,G				-0.00146	U,G	0.268	0.115	U,G	0.321
EP-17-15-SL	1.26	0.857	G	-0.12	0.37	U,G				0.506	U,G	1.09	-0.102	U,G	0.342
EP-17-25-SL	1.48	1.16	G,TI	-0.0896	0.422	U,G				-0.0451	U,G	0.274	-0.0526	U,G	0.363
EP-17-30-SL	0.31	0.72	U	-0.0213	0.249	U				-0.112	U	0.814	-0.102	U	0.299
EP-18-09-SL	1.02	1.03	U	-0.00593	0.283	UJ				-0.0232	UJ	0.338	-0.0171	UJ	0.332
EP-18-09-SL-FD	0.83	0.732	J	0.0624	0.213	UJ				0.0615	UJ	0.4	0.155	UJ	2.5
EP-18-15-SL	1.06	0.602	J	0.0493	0.257	UJ				-0.446	UJ	0.878	-0.0816	UJ	0.322
EP-18-29-SL	1.16	0.974	J	-0.05	0.392	UJ				0.0607	UJ	0.268	-0.048	UJ	0.301
EP-19-05-SL	0.974	0.923	J	-0.00926	0.253	UJ				-0.144	UJ	1.15	-0.253	UJ	0.456
EP-19-13-SL	1.33	0.505	J	0.0969	0.263	UJ				0.172	UJ	0.849	0.0343	UJ	0.282
EP-19-25-SL	1.26	0.8	J	0.0493	0.258	UJ				0.238	UJ	0.749	-0.0102	UJ	0.317
EP-19-31-SL	1.32	0.712	J	0.0264	0.225	UJ				-0.159	UJ	0.431	-0.24	UJ	0.441
EP-20-05-SL	1.59	1.11	G,TI	-0.00082	0.288	U,G				0.0216	U,G	0.403	-0.168	U,G	0.41
EP-20-15-SL	0.943	0.961	U,G	0.129	0.0874	G,TI				0	U,G	0.274	-0.136	U,G	0.331
EP-20-25-SL	0.844	0.869	U,G	-0.0312	0.314	U,G				-0.021	U,G	0.406	-0.188	U,G	0.407
LF-06-05-SL	1.16	0.951	G,TI	-0.045	0.278	U,G				-0.0855	U,G	0.934	-0.106	U,G	0.264
LF-06-13-SL	1.34	1.12	G	-0.083	0.3	U,G				0.06	U,G	0.393	0.00346	U,G	0.294
LF-06-27-SL	0.383	0.959	U,G	-0.0706	0.319	U,G				-0.214	U,G	0.44	-0.0548	U,G	0.29
LF-06-32-SL	0.549	0.754	U,G	-0.0246	0.287	U,G				-0.182	U,G	0.371	0.0432	U,G	0.267
LF--07-09-SL	1.01	0.726	G	0.121	0.0656	G,TI				-0.148	U,G	0.83	-0.0652	U,G	0.302
LF-07-15-SL	1.03	0.844	G	-0.0642	0.256	U,G				0.227	U,G	0.762	0.0128	U,G	0.308
LF-07-25-SL	1	0.98	G,TI	0.0765	0.069	G,TI				-0.197	U,G	1.2	-0.0394	U,G	0.287
LF-07-34-SL	0.656	1.19	U,G	-0.114	0.382	U,G				-0.00282	U,G	0.24	-0.046	U,G	0.299
LF-08-05-SL	1.41	1.23	G,TI	-0.0448	0.339	U,G				-0.0902	U,G	0.308	0.159	U,G	0.288
LF-08-05-SL-FD	1.36	0.785	G,TI	-0.102	0.324	U,G				0.152	U,G	0.701	-0.105	U,G	0.28
LF-08-15-SL	1.12	0.996	G,TI	-0.00717	0.217	U,G				0.123	U,G	1.07	0.0117	U,G	0.227
LF-08-21-SL	1.05	1.17	U,G	-0.0929	0.45	U,G				-0.59	U,G	1.37	0.041	U,G	0.328
LF-08-37-SL	0.315	0.757	U,G	-0.0052	0.248	U,G				0.0609	U,G	0.212	0.0738	U,G	0.234

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241 (A)			Americium-241 (G)			Antimony-124		
	Result	MDL	Q	Result	MDL	Q	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
LF-09-03-SL	0.688	0.834	U,G	-0.116	0.347	U,G				-0.705	U,G	1.35	0.0652	U,G	0.27
LF-09-17-SL	1.09	0.935	G,TI	-0.0127	0.348	U,G				-0.162	U,G	1.2	-0.0913	U,G	0.345
LF-09-25-SL	0.919	0.956	U,G	-0.0851	0.306	U,G				-0.149	U,G	1.21	-0.0503	U,G	0.296
LF-09-31-SL	0.314	0.801	U,G	0.0568	0.206	U,G				0.0347	U,G	0.95	0.0701	U,G	0.195
NB-28-04-SL	1.49	1.01	G,TI	0.151	0.068	G,TI				0.197	U,G	0.827	0.05	U,G	0.27
NB-28-14-SL	0.996	0.869	G	-0.0162	0.381	U,G				-0.08	U,G	0.267	0.0498	U,G	0.313
NB-28-24-SL	0.682	0.786	U,G	-0.01	0.27	U,G				0.0338	U,G	0.376	-0.102	U,G	0.305
NB-28-35-SL	0.345	0.894	U,G	-0.0487	0.304	U,G				-0.0949	U,G	0.362	-0.177	U,G	0.298
NB-29-05-SL	1.12	0.844	G	0.0281	0.268	U,G				-0.143	U,G	0.296	0.0346	U,G	0.301
NB-29-14-SL	0.12	0.705	U,G	0.00447	0.243	U,G				0.0653	U,G	0.299	-0.19	U,G	0.292
NB-29-22-SL	0.327	0.695	U	0.00314	0.214	U				-0.115	U	0.543	-0.0304	U	0.233
NB-30-05-SL	1.41	1.12	G,TI	-0.172	0.449	U,G				-0.0349	U,G	1.1	-0.15	U,G	0.348
NB-30-15-SL	0.875	0.942	U,G	-0.0509	0.393	U,G				-0.134	U,G	1.22	-0.157	U,G	0.386
NB-30-25-SL	1.07	0.874	G	0.0226	0.342	U,G				0.12	U,G	0.267	-0.0321	U,G	0.369
NB-30-33-SL	0.32	0.74	U,G	-0.0114	0.314	U,G				-0.362	U,G	0.969	0	U,G	0.295
NB-31-05-SL	0.854	1.4	U,G	-0.00598	0.285	U,G				-0.0202	U,G	0.286	0	U,G	0.342
NB-31-15-SL	0.694	0.815	U,G	-0.0485	0.21	U,G				-0.0891	U,G	1.22	0.0904	U,G	0.234
NB-31-27-SL	0.742	0.742	G	-0.0724	0.373	U,G				-0.0637	U,G	1.09	-0.174	U,G	0.329
NB-31-32-SL	0.771	0.995	U,G	-0.00526	0.251	U,G				-0.152	U,G	0.274	-0.0449	U,G	0.336
NB-32-05-SL	1.02	0.997	G,TI	-0.0782	0.339	U,G				0.0654	U,G	0.262	-0.0633	U,G	0.337
NB-32-15-SL	0.951	0.906	G,TI	-0.0379	0.258	U,G				0.159	U,G	0.243	-0.108	U,G	0.361
NB-32-27-SL	1.06	0.94	G,TI	-0.00939	0.198	U,G				0.128	U,G	0.725	0.148	U,G	0.195
NB-32-33-SL	0.818	0.645	G,TI	0.124	0.0837	G,TI				0.168	U,G	0.215	0	U,G	0.265
NB-33-05-SL	0.99	0.961	G	-0.0193	0.262	U,G				-0.0909	U,G	0.712	0.0806	U,G	0.278
NB-33-15-SL	1.2	1.28	U,G	-0.0109	0.331	U,G				-0.0498	U,G	0.28	0	U,G	0.339
NB-33-27-SL	0.401	0.912	U	0.00659	0.294	U				-0.0948	U	0.678	-0.00375	U	0.196
NB-34-05-SL	1.07	1.04	G	-0.0166	0.39	U,G				-0.105	U,G	0.292	0.11	U,G	0.295
NB-34-15-SL	0.331	1.01	U,G	-0.00574	0.304	U,G				0.24	U,G	0.679	0.0145	U,G	0.253
NB-34-25-SL	0.546	0.889	U	0.0402	0.316	U				0.00581	U	0.2	0.0127	U	0.23
NB-35-01-SL	0.906	0.998	U,G	-0.0822	0.387	U,G				0.11	U,G	0.246	0.015	U,G	0.32
NB-35-15-SL	0.774	1.22	U,G	0.0209	0.317	U,G				-0.0313	U,G	0.268	0.115	U,G	0.25
NB-35-25-SL	0.987	0.786	G	0.028	0.277	U,G				-0.075	U,G	1.03	0	U,G	0.265
NB-36-05-SL	0.711	0.527	G,TI	0.0408	0.0553	U,G				-0.0437	U,G	1.03	-0.0963	U,G	0.297
NB-36-15-SL	1.17	1.2	U,G	0.0258	0.245	U,G				0.15	U,G	0.258	-0.17	U,G	0.38
NB-36-27-SL	1.33	0.856		-0.015	0.354	U				0.0365	U	0.251	-0.0826	U	0.309
NB-37-05-SL	1.16	0.978	G,TI	0.0121	0.22	U,G				-0.0959	U,G	1.07	-0.0739	U,G	0.342
NB-37-15-SL	0.632	1.12	U,G	0.0775	0.365	U,G				0.0457	U,G	0.244	0	U,G	0.292
NB-37-25-SL	1.37	0.906	G,TI	0.0449	0.0607	U,G				-0.444	U,G	1.1	0.103	U,G	0.274
NB-38-09-SL	0.862	0.989	U,G	-0.0184	0.257	U,G				-0.206	U,G	0.404	-0.234	U,G	0.292
NB-38-15-SL	0.719	0.887	U	-0.128	0.32	U				-0.182	U	0.4	-0.195	U	0.351
NB-38-25-SL	0.682	0.693	U	0.0674	0.2	U				-0.045	U	0.383	-0.118	U	0.296
NB-39-05-SL	0.876	1.23	U,G	-0.0876	0.344	U,G				0.364	U,G	1.07	0.0791	U,G	0.33
NB-39-15-SL	1.11	0.606	G	-0.0472	0.278	U,G				0.128	U,G	0.684	-0.0136	U,G	0.264

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241 (A)			Americium-241 (G)			Antimony-124		
	Result	MDL	Q	Result	MDL	Q	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-39-25-SL	0.747	0.874	U,G	-0.107	0.361	U,G				-0.112	U,G	0.26	-0.0594	U,G	0.325
NB-39-30-SL	1.31	0.868	G,TI	-0.107	0.403	U,G				0.22	U,G	1.03	0.0376	U,G	0.301
NB-40-05-SL	0.846	1.14	U,G	-0.00516	0.246	U,G				0.0778	U,G	0.244	-0.0605	U,G	0.371
NB-40-05-SL-FD	0.478	0.692	U	-0.00951	0.256	U				0.077	U	0.366	-0.22	U	0.294
NB-40-17-SL	1.07	0.802	G,TI	-0.0719	0.281	U,G				-0.0949	U,G	1.17	-0.128	U,G	0.381
NB-40-25-SL	0.807	0.738	TI	0.0457	0.277	U				0.0511	U	0.181	-0.0268	U	0.278
NB-40-31-SL	0.579	0.677	U	-0.00395	0.215	U				-0.289	U	0.334	0.00165	U	0.248
NB-41-05-SL	0.878	0.701		0.0433	0.0586	U				0.0858	U	0.98	-0.0799	U	0.312
NB-41-13-SL	0.425	0.701	U	-0.0121	0.286	U				-0.00526	U	0.173	-0.0235	U	0.236
NB-41-19-SL	0.253	0.832	U,G	0.078	0.242	U,G				-0.0494	U,G	0.35	-0.293	U,G	0.322
NB-42-05-SL	0.526	0.79	U,G	0.0104	0.244	U,G				-0.148	U,G	1.14	0.0574	U,G	0.245
NB-42-13-SL	0.358	0.767	U	-0.00443	0.211	U				0.0461	U	0.183	0.0129	U	0.274
NB-42-23-SL	0.208	0.759	U	-0.00533	0.248	U				0.0526	U	0.284	-0.272	U	0.349
NB-43-05-SL	0.638	0.726	U,G	-0.00664	0.201	U,G				0.398	U,G	0.855	-0.0552	U,G	0.271
NB-43-13-SL	0.117	0.749	U	-0.029	0.266	U				0.383	U	0.72	-0.0714	U	0.26
NB-44-05-SL	0.363	0.703	U	0.0958	0.264	U				0.0147	U	0.187	0.0253	U	0.23
NB-44-05-SL-FD	-0.00504	0.737	U,G	0.0484	0.24	U,G				-0.2	U,G	0.348	-0.143	U,G	0.275
NB-44-11-SL	0.308	0.503	U	0.0136	0.13	U				-0.175	U	0.689	0.0635	U	0.188
NB-44-18-SL	0.537	0.629	U	-0.0687	0.27	U				0.13	U	0.696	-0.0207	U	0.238
NB-45-05-SL	1.3	1.36	U,G	0.0292	0.278	U,G				0.0106	U,G	0.267	0	U,G	0.38
NB-45-05-SL-FD	1.34	1.28	G,TI	-0.053	0.416	U,G				-0.0597	U,G	0.307	-0.0512	U,G	0.354
NB-45-13-SL	1.01	0.925	G	0.0331	0.0897	U,G				0.0388	U,G	0.242	0.0642	U,G	0.313
NB-45-25-SL	1.18	0.862	G,TI	0.07	0.0946	U,G				0.0576	U,G	0.253	0.0847	U,G	0.307
NB-45-33-SL	0.377	0.694	U	-0.0278	0.28	U				-0.025	U	0.35	0.0194	U	0.206
NB-46-09-SL	1.07	0.9		-0.141	0.42	U				-0.0771	U	0.269	-0.0706	U	0.346
NB-46-17-SL	0.824	0.915	U,G	-0.209	0.363	U,G				-0.0396	U,G	0.385	0.102	U,G	0.324
NB-46-25-SL	0.816	0.872	U,G	0.0116	0.211	U,G				0.0613	U,G	1.02	0.0612	U,G	0.306
NB-46-29-SL	0.913	0.581	G,TI	0.0653	0.233	U,G				0.027	U,G	0.585	-0.00267	U,G	0.259
NB-47-05-SL	1.33	0.797	TI	-0.00634	0.192	U				-0.0815	U	0.992	0.0639	U	0.221
NB-47-15-SL	1.35	0.862	G	-0.0288	0.306	U,G				0.157	U,G	0.772	-0.0136	U,G	0.286
NB-47-25-SL	0.762	1.36	U,G	-0.047	0.356	U,G				0.0581	U,G	0.304	0.155	U,G	0.274
NB-47-31-SL	1.6	0.665	G	-0.00727	0.22	U,G				-0.296	U,G	1.16	0	U,G	0.281
NB-48-05-SL	1.24	0.856	G	0.0338	0.31	U,G				0.655	U,G	0.901	-0.012	U,G	0.301
NB-48-11-SL	1.28	0.906	G	-0.111	0.356	U,G				-0.108	U,G	0.833	0.0242	U,G	0.255
NB-48-15-SL	0.635	1.29	U,G	0.0919	0.257	U,G				-0.097	U,G	0.282	0.0634	U,G	0.356
NB-48-25-SL	1.1	0.637	G	-0.0306	0.24	U,G				-0.452	U,G	1.22	-0.0458	U,G	0.269
NB-48-35-SL	1.11	0.798	G,TI	0.0796	0.206	U,G				0.03	U,G	0.953	0.0121	U,G	0.314
NB-49-05-SL	1.18	1.48	U,G	0.0512	0.0693	U,G				0	U,G	1.01	-0.054	U,G	0.375
NB-49-05-SL-FD	0.962	0.935	G,TI	0.0321	0.087	U,G				0.0502	U,G	0.258	0.0466	U,G	0.313
NB-49-15-SL	1.07	1	G	-0.0879	0.345	U,G				-0.596	U,G	1.26	0.0264	U,G	0.324
NB-49-25-SL	1.04	1.05	U,G	0.0417	0.316	U,G				-0.149	U,G	0.797	0.116	U,G	0.26
NB-49-37-SL	0.544	0.957	U,G	-0.0103	0.313	U,G				0.15	U,G	0.195	-0.03	U,G	0.292
NB-50-05-SL	1.13	0.938	G,TI	-0.0598	0.328	U,G				-0.221	U,G	1.11	0.176	U,G	0.276

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241 (A)			Americium-241 (G)			Antimony-124		
	Result	MDL	Q	Result	MDL	Q	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-50-15-SL	1.5	0.911	G	-0.108	0.344	U,G				0.117	U,G	0.812	0.148	U,G	0.252
NB-50-25-SL	0.831	1.2	U,G	0.054	0.327	U,G				-0.0491	U,G	0.29	0.11	U,G	0.261
NB-50-37-SL	0.751	0.667	TI	0.0388	0.0524	U				0.221	U	0.874	0.0322	U	0.229
NB-51-05-SL	0.871	0.842	G	-0.0137	0.27	U,G				-0.263	U,G	1.1	-0.159	U,G	0.321
NB-51-13-SL	1.03	0.935	G	-0.0123	0.224	U,G				-0.716	U,G	1.26	0.052	U,G	0.284
NB-51-25-SL	0.963	0.747	G	-0.113	0.362	U,G				0.473	U,G	0.804	-0.0236	U,G	0.282
NB-51-37-SL	1.12	0.873	G	-0.00352	0.167	U,G				-0.0903	U,G	1.06	-0.0351	U,G	0.228
NB-52-05-SL	0.907	0.949	U,G	0	0.0913	U,G				-0.0293	U,G	0.25	0	U,G	0.335
NB-52-13-SL	1.34	0.889	G,TI	-0.0246	0.288	U,G				0.13	U,G	1.08	-0.0514	U,G	0.315
NB-52-25-SL	1.55	1.07	G	-0.0164	0.365	U,G				-0.0465	U,G	0.777	-0.0204	U,G	0.327
NB-52-35-SL	0.991	0.944	G,TI	-0.00541	0.258	U,G				0.0225	U,G	0.284	-0.0311	U,G	0.34
NB-53-05-SL	0.67	0.929	U,G	-0.0102	0.24	U,G				-0.102	U,G	0.934	0.0672	U,G	0.218
NB-53-13-SL	1.27	0.768	G	-0.018	0.244	U,G				-0.426	U,G	0.817	-0.0373	U,G	0.275
NB-53-23-SL	1.12	1.14	U,G	-0.0396	0.27	U,G				0.0162	U,G	0.27	0.146	U,G	0.271
NB-53-33-SL	1.16	0.854	G,TI	-0.0654	0.346	U,G				0.0891	U,G	0.731	-0.0137	U,G	0.267
NB-54-05-SL	0.942	0.862	G,TI	0.0822	0.213	U,G				0.155	U,G	1.09	-0.0491	U,G	0.335
NB-54-13-SL	1.47	1.09	G,TI	0.154	0.301	U,G				0.0677	U,G	1.15	0.0806	U,G	0.323
NB-54-25-SL	1.32	1.12	G	-0.0868	0.429	U,G				-0.0339	U,G	0.29	-0.0313	U,G	0.325
NB-54-31-SL	0.22	0.623	U	0.0444	0.244	U				0.0234	U	0.619	-0.00931	U	0.204
NB-55-05-SL	1.7	0.822	G,TI	-0.0106	0.322	U,G				-0.00828	U,G	0.27	0	U,G	0.318
NB-55-13-SL	0.919	0.911	G	0.0709	0.064	G,TI				-0.0936	U,G	1.14	-0.149	U,G	0.344
NB-55-25-SL	1.08	0.828	G,TI	0.0875	0.245	U,G				0.138	U,G	0.236	0.0892	U,G	0.29
NB-55-33-SL	0.54	0.644	U	0.0184	0.215	U				-0.363	U	0.779	0.00966	U	0.222
NB-56-05-SL	0.562	0.558		0.0316	0.176	U				-0.142	U	0.733	0.00645	U	0.257
NB-56-13-SL	0.806	1.14	U,G	-0.0239	0.369	U,G				-0.0316	U,G	1.1	-0.0503	U,G	0.327
NB-56-25-SL	1.32	1.09	G	0.0271	0.263	U,G				-0.0946	U,G	0.793	-0.0555	U,G	0.312
NB-56-33-SL	0.121	0.676	U	-0.0304	0.279	U				0.0535	U	0.788	0.032	U	0.228
NB-57-05-SL	0.961	1.11	U,G	-0.0121	0.333	U,G				-0.512	U,G	1.19	0.0884	U,G	0.322
NB-57-05-SL-FD	1.09	0.94	G,TI	-0.035	0.321	U,G				-0.0924	U,G	1.04	-0.0608	U,G	0.316
NB-57-15-SL	1.37	0.927	G,TI	-0.0117	0.212	U,G				-0.154	U,G	1.13	-0.0851	U,G	0.31
NB-57-29-SL	0.741	0.957	U,G	0.0851	0.0576	G,TI				0.0802	U,G	0.705	-0.0409	U,G	0.29
NB-57-34-SL	1.02	0.807	G,TI	0.0229	0.268	U,G				0.0604	U,G	0.925	-0.0716	U,G	0.304
NB-58-05-SL	1.06	0.753	G	0.0129	0.194	U,G				-0.503	U,G	0.888	0.103	U,G	0.253
NB-58-15-SL	0.966	1.11	U,G	0.0379	0.229	U,G				0.733	U,G	1.03	0	U,G	0.342
NB-58-29-SL	1.25	0.908	G	0.0601	0.205	U,G				0.0471	U,G	0.81	0.0462	U,G	0.283
NB-58-36-SL	0.516	1.04	U,G	-0.0112	0.308	U,G				-0.148	U,G	1.05	-0.0584	U,G	0.286
NB-59-05-SL	0.908	0.825	G,TI	0.0128	0.192	U,G				0.12	U,G	0.732	0.0589	U,G	0.244
NB-59-13-SL	1.33	0.796	G,TI	-0.0356	0.215	U,G				-0.219	U,G	1.1	-0.025	U,G	0.352
NB-59-25-SL	0.976	0.899	G,TI	-0.0387	0.239	U,G				0.0704	U,G	0.714	0.0478	U,G	0.23
NB-59-31-SL	0.791	1.05	U,G	-0.108	0.363	U,G				0.0468	U,G	0.215	-0.0298	U,G	0.342
NB-60-05-SL	1.11	0.738	G,TI	0.051	0.266	U,G				-0.102	U,G	0.814	0.0346	U,G	0.266
NB-60-13-SL	1.3	1.29	G,TI	0.1	0.281	U,G				0.0138	U,G	0.258	-0.0162	U,G	0.315
NB-60-23-SL	0.566	0.901	U,G	0.0336	0.262	U,G				-0.0281	U,G	0.389	-0.0539	U,G	0.28

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241 (A)			Americium-241 (G)			Antimony-124		
	Result	MDL	Q	Result	MDL	Q	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-60-31-SL	0.679	1.02	U,G	0.028	0.267	U,G				0.035	U,G	0.237	-0.109	U,G	0.313
NB-61-05-SL	1.02	0.958	G,TI	-0.0117	0.213	U,G				-0.433	U,G	1.22	-0.0119	U,G	0.326
NB-61-13-SL	1.12	1.12	G,TI	0.0499	0.391	U,G				-0.00288	U,G	0.291	0.0778	U,G	0.259
NB-61-23-SL	0.792	1.04	U,G	-0.0902	0.348	U,G				0.0595	U,G	0.923	-0.115	U,G	0.319
NB-61-28-SL	0.777	0.705	TI	-0.0638	0.26	U				-0.0372	U	0.664	0.0405	U	0.22
NB-62-05-SL	0.859	1.03	U,G	-0.054	0.426	U,G				-0.121	U,G	0.27	0.0942	U,G	0.262
NB-62-12-SL	0.103	0.74	U,G	-0.026	0.276	U,G				-0.0142	U,G	0.554	-0.152	U,G	0.303
NB-62-22-SL	-0.0536	1.07	U,G	-0.142	0.401	U,G				-0.0198	U,G	0.207	0.133	U,G	0.257
NB-63-05-SL	0.992	0.908	G,TI	0.0519	0.407	U,G				-0.12	U,G	0.273	-0.125	U,G	0.376
NB-63-13-SL	0.595	0.833	U,G	0.0707	0.276	U,G				0.28	U,G	0.808	0.0348	U,G	0.226
NB-63-19-SL	0.258	0.639	U	0.00331	0.225	U				-0.104	U	0.654	0.0938	U	0.181
NB-64-05-SL	0.854	0.612	G,TI	0.0043	0.292	U,G				0.09	U,G	0.783	-0.0757	U,G	0.348
NB-64-13-SL	0.343	0.933	U,G	0.0959	0.0865	G,TI				0.0388	U,G	0.202	-0.0438	U,G	0.328
NB-64-17-SL	0.257	0.786	U,G	-0.0173	0.235	U,G				0.235	U,G	0.525	-0.184	U,G	0.286
NB-65-05-SL	0.692	0.847	U,G	0	0.0636	U,G				-0.338	U,G	0.798	0.0817	U,G	0.257
NB-65-13-SL	0.66	0.854	U,G	-0.105	0.336	U,G				0.0689	U,G	0.677	-0.0551	U,G	0.254
NB-65-17-SL	0.54	0.643	U,G	-0.043	0.326	U,G				0.0447	U,G	0.196	-0.0883	U,G	0.322
NB-66-05-SL	0.024	1.36	U,G	-0.0573	0.449	U,G				-0.0927	U,G	0.262	-0.156	U,G	0.378
NB-66-05-SL-FD	1.45	1.04	G,TI	0.0276	0.419	U,G				-0.167	U,G	0.323	0.0188	U,G	0.34
NB-66-15-SL	1.42	0.722	G,TI	-0.147	0.448	U,G				-0.356	U,G	1.07	0.0966	U,G	0.271
NB-66-19-SL	0.377	0.72	U	0.112	0.176	U				-0.087	U	0.606	-0.00121	U	0.229
NB-67-05-SL	0.865	1.19	U,G	0.029	0.276	U,G				-0.0181	U,G	0.263	0.0946	U,G	0.275
NB-67-11-SL	0.399	0.697	U,G	0.0791	0.207	U,G				-0.107	U,G	0.344	-0.0813	U,G	0.261
NB-67-21-SL	0.404	0.575	U	0.0771	0.0521	TI				-0.102	U	0.769	-0.00958	U	0.21
NB-68-05-SL	1.23	0.826	G	0.00665	0.227	U,G				-0.0511	U,G	0.41	-0.252	U,G	0.312
NB-68-13-SL	1.23	1.08	G,TI	-0.0526	0.415	U,G				-0.0916	U,G	0.265	-0.0142	U,G	0.287
NB-68-17-SL	1.06	0.924	G,TI	0.012	0.218	U,G				0.38	U,G	0.982	0.0708	U,G	0.245
NB-68-25-SL	1.62	0.833	G	0.081	0.29	U,G				-0.0112	U,G	0.715	0.0248	U,G	0.285
NB-68-33-SL	0.142	1.13	U,G	-0.0457	0.358	U,G				0.037	U,G	0.209	0.0689	U,G	0.268
NB-69-05-SL	0.708	0.689	G	0.0136	0.247	U,G				-0.0331	U,G	0.376	-0.177	U,G	0.368
NB-69-15-SL	0.651	0.95	U,G	-0.00073	0.258	U,G				0.00645	U,G	0.358	-0.158	U,G	0.267
NB-69-22-SL	1.04	0.739	G	-0.143	0.354	U,G				-0.0553	U,G	0.569	-0.165	U,G	0.424
NB-69-34-SL	0.627	0.772	U	-0.0583	0.272	U				0.0256	U	0.358	-0.148	U	0.265
NB-70-05-SL	1.28	0.727	G	-0.0214	0.312	U,G				-0.181	U,G	0.421	-0.315	U,G	0.402
NB-70-15-SL	1.3	0.793	G,TI	-0.00544	0.288	U,G				-0.104	U,G	0.724	0.141	U,G	0.222
NB-70-23-SL	0.883	0.855	G	-0.0382	0.323	U,G				-0.145	U,G	0.434	-0.305	U,G	0.319
NB-70-33-SL	0.793	0.818	U,G	-0.0989	0.341	U,G				-0.18	U,G	0.42	-0.141	U,G	0.278
NB-71-01-SL	0.846	0.982	U,G	-0.0549	0.258	U,G				0.266	U,G	1.09	0.0574	U,G	0.251
NB-71-01-SL-FD	0.974	1.06	U,G	-0.0128	0.232	U,G				-0.473	U,G	1.3	0.0891	U,G	0.353
NB-71-11-SL	1.47	1.14	G,TI	0.0919	0.0829	G,TI				0.0332	U,G	0.248	-0.028	U,G	0.329
NB-71-27-SL	0.574	0.83	U,G	-0.0744	0.267	U,G				0.0869	U,G	0.901	0.0106	U,G	0.226
NB-72-05-SL	0.65	0.798	U,G	-0.0356	0.215	U,G				-0.157	U,G	0.995	0.0118	U,G	0.222
NB-72-11-SL	0.261	1.28	U,G	0.117	0.106	G,TI				-0.12	U,G	0.279	0.0179	U,G	0.298

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241 (A)			Americium-241 (G)			Antimony-124		
	Result	MDL	Q	Result	MDL	Q	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-72-19-SL	0.342	0.734	U	0.0493	0.198	U				0.0191	U	0.341	-0.0907	U	0.263
NB-72-22-SL	0.35	0.749	U	-0.0137	0.323	U				0.0345	U	0.176	-0.0628	U	0.26
NB-73-05-SL	0.304	1.02	U,G	0.0292	0.278	U,G				-0.0212	U,G	0.22	0.032	U,G	0.267
NB-73-13-SL	0.0204	1.06	U,G	-0.119	0.427	U,G				0.103	U,G	0.194	-0.0593	U,G	0.289
NB-73-23-SL	0.0184	0.954	U	0.0146	0.344	U				0.0177	U	0.195	0.0535	U	0.212
NB-74-05-SL	0.962	0.978	U,G	-0.103	0.355	U,G				-0.166	U,G	0.434	-0.0929	U,G	0.302
NB-74-17-SL	0.921	1.04	U,G	0.0149	0.226	U,G				0.558	U,G	1.15	0.0118	U,G	0.29
NB-74-25-SL	0.682	1.01	U,G	-0.0237	0.366	U,G				0.0676	U,G	1.1	-0.119	U,G	0.337
NB-74-33-SL	0.532	0.678	U,G	0.0816	0.0552	G,TI				-0.0622	U,G	0.664	-0.0177	U,G	0.219
NB-75-08-SL	0.852	0.943	U,G	-0.0475	0.206	U,G				-0.348	U,G	1.2	0.0654	U,G	0.212
NB-75-15-SL	0.647	1.02	U,G	0.0225	0.264	U,G				0.00473	U,G	1.05	-0.0687	U,G	0.287
NB-75-19-SL	0.216	0.782	U	0.032	0.178	U				0.246	U	0.47	-0.124	U	0.245
NB-76-06-SL	-0.0767	0.911	U,G	0.0949	0.0642	G,TI				-0.496	U,G	1.06	-0.0827	U,G	0.272
NB-76-10-SL	-0.0347	0.727	U	0.0115	0.173	U				-0.0941	U	0.565	0.018	U	0.228
NB-76-24-SL	0.218	0.863	U	0.0539	0.0729	U				0.0245	U	0.167	-0.074	U	0.248
NB-77-05-SL	0.376	0.628	U,G	-0.0154	0.286	U,G				0.0606	U,G	0.316	0.0228	U,G	0.261
NB-77-13-SL	0.205	0.72	U	0.0859	0.0581	TI				0.118	U	0.877	0.0321	U	0.215
NB-77-24-SL	0.14	0.817	U	-0.103	0.271	U				0	U	0.599	-0.0334	U	0.237
NB-78-07-SL	0.94	0.955	U,G	-0.0885	0.417	U,G				0.0599	U,G	0.259	-0.0486	U,G	0.305
NB-78-11-SL	0.533	0.866	U,G	0.0169	0.258	U,G				-0.11	U,G	0.357	0.0455	U,G	0.246
NB-78-18-SL	0.74	0.813	U,G	-0.00708	0.214	U,G				0.0152	U,G	1.04	0.0557	U,G	0.237
NB-79-05-SL	0.952	0.683	G,TI	0.0577	0.25	U,G				0.0123	U,G	0.26	0.0422	U,G	0.265
NB-79-05-SL-FD	1.09	0.823	G,TI	0.0104	0.244	U,G				0.089	U,G	1.12	0.0639	U,G	0.214
NB-79-11-SL	0.699	0.763	U,G	0.152	0.25	U,G				0.00956	U,G	0.225	-0.0564	U,G	0.266
NB-79-24-SL	1.08	0.8	TI	0.0231	0.224	U				0.414	U	0.51	0.0156	U	0.238
NB-80-05-SL	0.987	0.573	G,TI	-0.0357	0.243	U,G				0.0119	U,G	0.207	0.0138	U,G	0.269
NB-80-11-SL	0.329	0.575	U,G	0.00076	0.229	U,G				-0.173	U,G	0.38	-0.0822	U,G	2.4
NB-80-27-SL	0.673	0.999	U,G	0.0703	0.0634	G,TI				0.314	U,G	1	-0.0691	U,G	0.277
NB-81-09-SL	0.828	0.716	G	0	0.0534	U,G				-0.239	U,G	1.11	-0.0395	U,G	0.27
NB-81-11-SL	1.03	0.851	G,TI	0.023	0.0623	U,G				0.0201	U,G	0.774	-0.104	U,G	0.28
NB-81-31-SL	0.374	0.711	U,G	0.143	0.152	U,G				-0.0462	U,G	0.337	-0.0733	U,G	0.316
NB-82-05-SL	0.865	0.731	G	-0.0613	0.337	U,G				0.186	U,G	1.18	-0.0241	U,G	0.319
NB-82-11-SL	0.109	0.78	U	0.0456	0.174	U				-0.172	U	0.319	-0.147	U	0.26
NB-82-20-SL	0.0776	0.709	U	0.0117	0.176	U				0.114	U	0.577	-0.0802	U	0.236
NB-83-05-SL	1.4	1.54	U,G	-0.00652	0.311	U,G				0.0102	U,G	0.296	0	U,G	0.321
NB-83-11-SL	0.185	0.547	U,G	-0.05	0.247	U,G				0.0797	U,G	0.33	-0.0819	U,G	0.257
NB-83-23-SL	-0.0743	0.899	U	0.0316	0.176	U				0.0522	U	0.514	-0.0133	U	0.19
NB-84-05-SL	0.0546	1.6	U,G	-0.019	0.448	U,G				0.162	U,G	0.275	-0.0852	U,G	0.392
NB-84-15-SL	0.573	0.974	U,G	0.0485	0.239	U,G				0.00697	U,G	0.374	-0.215	U,G	0.379
NB-84-23-SL	0.304	0.691	U,G	0.0803	0.0543	G,TI				-0.358	U,G	0.96	-0.0104	U,G	0.227
NB-84-33-SL	0.432	0.714	U	0.0104	0.189	U				-0.227	U	0.934	0.0717	U	0.218
NB-85-05-SL	0.607	1.06	U,G	0.118	0.194	U,G				-0.175	U,G	1.3	0.0421	U,G	0.282
NB-85-15-SL	1.1	0.622	G	-0.0343	0.269	U,G				0.163	U,G	1.12	0	U,G	0.295

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241 (A)			Americium-241 (G)			Antimony-124		
	Result	MDL	Q	Result	MDL	Q	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-85-25-SL	1.33	1.09	G	0.0428	0.186	U,G				0.15	U,G	1.3	0.0268	U,G	0.329
NB-85-35-SL	-0.0859	0.594	U	-0.0157	0.213	U				0.123	U	0.428	0.0353	U	0.205
NB-86-05-SL	0.443	1.42	U,G	-0.00667	0.318	U,G				-0.00694	U,G	0.309	-0.0602	U,G	0.378
NB-86-15-SL	1.35	0.738	G,TI	0.063	0.176	U,G				-0.571	U,G	1.12	0.0767	U,G	0.222
NB-86-19-SL	0.425	0.877	U,G	0.0466	0.244	U,G				0.206	U,G	0.564	0.0982	U,G	0.235
OA-18-03-SL	0.895	0.757		0.114	0.179	U				-0.067	U	0.723	-0.027	U	0.268
OA-18-17-SL	1.28	0.937	G	0.0125	0.188	U,G				-0.154	U,G	0.649	0.00813	U,G	0.263
OA-18-25-SL	1.16	1.27	U,G	0.0224	0.339	U,G				0.0495	U,G	0.264	0.111	U,G	0.329
OA-18-33-SL	0.858	0.832		-0.0158	0.215	U				-0.104	U	0.664	-0.0421	U	0.281
OA-19-05-SL	1.31	0.992	TI	0.0247	0.235	U				0.118	U	0.229	0	U	0.315
OA-19-15-SL	1.17	0.895	G	-0.038	0.234	U,G				0.0671	U,G	0.757	-0.0289	U,G	0.279
OA-19-25-SL	1.61	0.965	G	-0.0152	0.357	U,G				0.0329	U,G	0.246	0.0144	U,G	0.322
OA-19-33-SL	0.393	0.753	U	0.0807	0.0546	TI				-0.0489	U	0.649	-0.00895	U	0.229
PL-04-05-SL	0.732	1.15	U,G	-0.0374	0.342	U,G				-0.362	U,G	1.15	-0.138	U,G	0.343
PL-04-13-SL	0.547	1.06	U,G	-0.0728	0.315	U,G				0.0392	U,G	0.248	-0.101	U,G	0.316
PL-04-23-SL	1.39	0.851	TI	0.0885	0.0599	TI				0.292	U	0.949	-0.134	U	0.31
PL-04-31-SL	1.16	0.675	G	0.0572	0.195	U,G				0.103	U,G	0.749	0.07	U,G	0.231
PL-05-05-SL	1.34	0.653	G,TI	0.0373	0.162	U,G				0.334	U,G	1.05	-0.0855	U,G	0.257
PL-05-15-SL	1.2	0.857	TI	-0.0887	0.342	U				0.117	U	0.993	0.0442	U	0.287
PL-05-28-SL	1.27	0.783	G,TI	0.073	0.245	U,G				-0.104	U,G	1.11	-0.0219	U,G	0.227
PL-06-07-SL	0.974	0.742	G,TI	-0.0742	0.302	U,G				-0.0696	U,G	0.718	-0.00896	U,G	0.317
PL-06-13-SL	0.991	0.87	G,TI	0.0684	0.0617	G,TI				-0.328	U,G	0.881	-0.16	U,G	0.348
PL-06-17-SL	0.822	0.779	G	-0.0281	0.213	U,G				-0.625	U,G	1.27	-0.118	U,G	0.284
PL-06-29-SL	0.211	0.782	U	-0.0991	0.263	U				-0.137	U	0.364	0.0389	U	0.211
PL-06-33-SL	0.0343	0.833	U	-0.0623	0.243	U				-0.192	U	0.839	0.0885	U	0.229
RR-04-07-SL	0.991	1.19	U,G	-0.0871	0.41	U,G				0.0453	U,G	0.295	-0.117	U,G	0.374
RR-04-15-SL	0.968	0.762	G	0.0176	0.167	U,G				0.331	U,G	1.11	0.0809	U,G	0.193
RR-04-25-SL	0.671	1.23	U,G	-0.0113	0.343	U,G				-0.0353	U,G	0.272	0.0811	U,G	0.346
RR-05-05-SL	0.583	1.15	U,G	0.0613	0.223	U,G				0.518	U,G	1.1	-0.0775	U,G	0.335
RR-05-05-SL-FD	0.681	1.1	U,G	0.0309	0.294	U,G				-0.0547	U,G	0.32	0.0538	U,G	0.313
RR-05-15-SL	0.776	0.808	U,G	0.0105	0.247	U,G				0.569	U,G	0.961	-0.0582	U,G	0.248
RR-05-25-SL	1.18	0.887	G,TI	0.0648	0.235	U,G				0.103	U,G	1.11	0.0956	U,G	0.342
SW-02-01-SL	2.38	1.11	G	-0.0623	0.348	U,G				0.306	U,G	1.2	0.138	U,G	0.284
SW-02-09-SL	0.854	1.01	U,G	0.00372	0.252	U,G				-0.0874	U,G	0.757	0.0182	U,G	0.278
SW-02-15-SL	1.4	1.11	G	-0.0526	0.406	U,G				-0.347	U,G	1.26	-0.0536	U,G	0.366
SW-02-23-SL	1.25	0.744	G	0.0569	0.194	U,G				0.134	U,G	0.783	-0.0827	U,G	0.281
SW-05-08-SL	1.41	0.965	G,TI	0.0373	0.226	U,G				-0.0656	U,G	1.23	-0.22	U,G	0.404
SW-05-12-SL	0.884	0.835	G,TI	0.0703	0.0634	G,TI				0.0511	U,G	0.763	-0.0418	U,G	0.312
SW-06-05-SL	1.08	0.767	G	0.0146	0.222	U,G				0.235	U,G	1.18	0.227	G,TI	0.22
SW-06-05-SL-FD	0.907	1.14	U,G	-0.0629	0.351	U,G				0.0103	U,G	0.76	-0.0428	U,G	0.315
SW-06-13-SL	1.09	1.18	U,G	-0.011	0.333	U,G				0.0429	U,G	0.249	-0.182	U,G	0.414
SW-06-23-SL	1.03	0.792	G	-0.0548	0.342	U,G				0.0153	U,G	0.419	-0.199	U,G	0.36
SW-07-05-SL	0.89	0.962	U,G	0.00374	0.254	U,G				-0.47	U,G	0.785	0.00753	U,G	0.236

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Actinium-228			Aluminum-26			Americium-241 (A)			Americium-241 (G)			Antimony-124		
	Result	MDL	Q	Result	MDL	Q	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-07-15-SL	1.36	1.05	G,TI	-0.00587	0.28	U,G				-0.165	U,G	0.313	-0.0177	U,G	0.406
SW-07-23-SL	0.92	0.845	G	0.111	0.237	U,G				-0.0533	U,G	0.439	-0.242	U,G	0.352
SW-08-03-SL	1.15	0.888	G	-0.129	0.5	U,G				-0.0587	U,G	0.259	0.0467	U,G	0.293
SW-08-05-SL	0.876	0.881	U,G	0.0832	0.216	U,G				0.0942	U,G	0.985	-0.0751	U,G	0.325
SW-08-15-SL	1.09	1.24	U,G	-0.00596	0.284	U,G				0.0729	U,G	0.249	-0.0864	U,G	0.378
SW-08-25-SL	-0.157	0.694	U	0.00616	0.243	U				-0.25	U	0.807	0.0512	U	0.193

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Antimony-125			Beryllium-7			Bismuth-212			Bismuth-214			Cadmium-109		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-13-09-SL	-0.0728	U,G	0.438	0.129	U,G	1.56	-0.716	U,G	3.09	0.566	G,J	0.554	1.04	U,G	2.42
BD-13-15-SL	0.0106	U,G	0.467	0	U,G	1.54	0.487	U,G	2.88	0.484	U,G,J	0.553	1.48	U,G	3.45
BD-13-23-SL	-0.159	U,G	0.493	-0.185	U,G	2.08	2.26	U,G	2.64	0.843	G,J	0.417	2.64	U,G	3.5
BD-13-30-SL	0.0645	U,G	0.448	0.0563	U,G	1.61	1.09	U,G	2.48	0.538	G,J	0.349	1.08	U,G	4.19
BD-14-05-SL	-0.0807	U,G	0.526	0.43	U,G	1.95	1.63	U,G	3.48	0.934	G,J	0.494	1.93	U,G	2.38
BD-14-13-SL	-0.0279	U,G	0.446	-0.483	U,G	1.98	2.09	U,G	2.43	0.58	G,J	0.451	2.36	U,G	3.49
BD-14-25-SL	-0.0762	U	0.497	-0.102	U	2.04	1.73	U	3.28	0.893	J	0.364	1.94	U	2.45
BD-14-31-SL	0.00963	U	0.428	0.104	U	1.64	1.43	U	2.74	0.0116	UJ	0.536	0.307	U	2.16
BD-15-05-SL	-0.0153	U,G	0.419	0.654	U,G	1.3	2.07	U,G	2.23	0.829	G,J	0.462	1.75	U,G	3.08
BD-15-17-SL	0.139	U,G	0.523	1.45	U,G	2.09	2.19	U,G	4.43	0.863	G,J	0.642	0.951	U,G	3.08
BD-15-25-SL	0.204	U	0.315	0.354	U	1.33	1.36	U	1.6	0.555	J	0.406	1.75	U	3
BD-15-31-SL	-0.128	U,G	0.526	-0.95	U,G	2.67	1.72	U,G	4.18	0.946	G,J	0.578	3.12	U,G	3.78
BD-16-05-SL	0.0989	U,G	0.489	-0.24	U,G	2.82	0.375	U,G	4.02	0.716	G,J	0.592	1.15	U,G	2.8
BD-16-15-SL	-0.0376	U,G	0.442	-0.0905	U,G	1.76	3.4	G,TI	1.95	1.18	G,J	0.448	2.79	U,G	3.64
BD-16-19-SL	-0.0702	U,G	0.601	-1.23	U,G	2.47	2.81	U,G	3.18	0.886	G,J	0.414	0.765	U,G	5.36
BD-16-25-SL	0.106	U,G	0.524	0	U,G	2.59	1.25	U,G	3.61	1.09	G,J	0.535	1.05	U,G	2.32
BD-16-34-SL	0.149	U,G	0.408	0.28	U,G	1.99	2.36	U,G	3.16	0.602	G,J	0.446	3.07	U,G	4.28
BLD240-01-01	0.28	U	0.37	0.58	U	1.63	0.8	U	2.2	0.69		0.39	3	U	4.9
BLD240-01-09	0.01	U	0.47	1.1	U	1.29	1.2	U	2.2	0.9		0.5	1.5	U	4.7
BLD240-01-09FD	0.04	U	0.38	0.09	U	1.55	0.7	U	2.5	0.56		0.44	2.4	U	4
BLD240-01-31															
BLD240-03-04	-0.1	U	0.5	0.67	U	1.44	2.3	U	3.5	0.92		0.53	0.6	U	3
BLD240-03-04FD	-0.17	U	0.54	-0.28	U	1.6	2	U	2.3	0.73		0.45	0.7	U	4.9
BLD240-03-14															
BLD240-03-19	0.1	U	0.49	1	U	1.7	1.5	U	3.1	0.98		0.49	1	U	3
BLD240-04-02	-0.17	U	0.52	0.26	U	1.72	1.6	U	2.3	0.45		0.44	-0.4	U	4.6
BLD240-04-04	-0.01	U	0.44	0.52	U	1.22	1	U	2.3	0.68		0.44	-0.2	U	4.7
BLD240-04-33															
BLD240-05-01	-0.12	U	0.46	-0.5	U	2.02	0.4	U	3.1	0.87		0.43	1.9	U	3
BLD240-05-02	-0.08	U	0.49	0.3	U	1.9	0.8	U	2.7	0.67		0.51	2	U	2.7
BLD253-02-01	-0.09	U	0.36	0.4	U	1.29	0.6	U	1.7	0.95		0.29	1.3	U	2.6
BLD253-02-04	-0.03	U	0.45	-0.3	U	2	1.6	U	3	0.85		0.41	6.2	SI	2.4
BLD253-02-21FD	0.02	U	0.38	0.26	U	1.25	1	U	2.1	0.77		0.4	1.4	U	4.5
BLD253-02-21															
BLD255-05-01															
BLD255-05-23															
BLD255-07-02	0.1	U	0.37	0.61	U	1.43	-0.3	U	2.8	0.37	U	0.42	4.3	SI	4
BLD255-07-15	-0.15	U	0.54	0.28	U	1.62	2.3	U	3	0.75		0.47	1.2	U	2.5
BLD255-07-33															
BLD255-08-01	-0.08	U	0.5	0.3	U	1.5	-0.1	U	2.9	0.81		0.39	14.1	SI	7.3
BLD255-08-08	0.07	U	0.54	-0.1	U	1.92	2.2	U	3.2	1.12		0.57	0.7	U	2.8
BLD260-06-01	0	U	0.47	-0.15	U	1.49	-1.7	U	3.6	0.86		0.39	2.3	U	3.7
BLD260-06-03	0.05	U	0.58	-0.3	U	2.2	0.7	U	4.1	1.26		0.61	2.1	U	3

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Antimony-125			Beryllium-7			Bismuth-212			Bismuth-214			Cadmium-109		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BLD260-06-31															
BP-13-05-SL	-0.19	U,G	0.525	-0.474	U,G	2.28	2.37	U,G	2.38	0.698	G,J	0.414	2.67	G,SI	2.49
BP-13-11-SL	-0.0228	U,G	0.386	-0.975	U,G	2.3	2.53	G,TI	2.33	0.998	G,J	0.366	-0.0578	U,G	4.05
BP-13-15-SL	-0.00981	U,G	0.468	-0.115	U,G	2.16	1.24	U,G	3.01	0.662	G,J	0.54	-0.1	U,G	2.84
BP-13-25-SL	-0.0611	U,G	0.622	-0.935	U,G	2.84	1.22	U,G	3.71	0.811	G,J	0.55	2.66	U,G	3.65
BP-13-35-SL	0	U,G	0.378	0.761	U,G	1.7	1.79	U,G	1.88	0.707	G,J	0.419	2.06	U,G	3.13
BP-17-05-SL	-0.0255	U,G	0.585	-0.366	U,G	2.67	-0.772	U,G	4.49	0.593	G,J	0.466	1.22	U,G	2.8
BP-17-15-SL	0.0309	U	0.34	-0.336	U	1.69	0.729	U	2.47	0.894	J	0.29	1.45	U	2.33
BP-17-23-SL	-0.0513	U,G	0.387	-0.901	U,G	2.21	3.06	G,TI	2.8	0.771	G,J	0.413	2.72	U,G	4.01
BP-17-31-SL	0.232	U,G	0.462	0	U,G	2.33	1.02	U,G	3.77	0.923	G,J	0.508	2.64	G,SI	2.46
BP-18-05-SL	-0.0211	U,G	0.541	0.352	U,G	2.04	-1.04	U,G	4.33	0.768	G,J	0.557	-0.521	U,G	5.35
BP-18-15-SL	0	U,G	0.581	-0.249	U,G	2.34	1.46	U,G	2.9	0.941	G,J	0.61	2	U,G	3.08
BP-18-25-SL	-0.232	U,G	0.719	-0.235	U,G	2.54	1.06	U,G	3.67	0.995	G,J	0.542	2.03	U,G	5.04
BP-18-31-SL	0.0282	U	0.31	0.217	U	1.02	0.0894	U	1.8	0.474	J	0.306	0.789	U	2.67
BP-19-05-SL	-0.118	U	0.374	0.0738	U	1.53	1.25	U	2.6	0.611	J	0.417	0.236	U	3.66
BP-19-13-SL	-0.186	U	0.577	-0.175	U	1.95	1.26	U	3	1.02	J	0.401	2.24	U	4.2
BP-19-25-SL	0.0813	U,G	0.396	0.41	U,G	1.7	1.02	U,G	2.37	0.7	G,J	0.299	1.16	U,G	3.72
BP-19-29-SL	0.0995	U	0.487	0.416	U	1.73	-0.424	U	3.54	0.602	J	0.593	0.93	U	2.33
BP-20-03-SL	0.283	U	0.425	0.206	U	1.8	2.65	U	2.82	0.833	J	0.437	0.955	U	2.36
BP-20-19-SL	-0.00849	U,G	0.564	-0.0591	U,G	1.99	0.116	U,G	3.43	0.738	G,J	0.522	0	U,G	5.02
BP-20-27-SL	-0.0179	U	0.35	-0.299	U	1.55	0.184	U	2.48	0.291	UJ	0.345	0.204	U	2.96
BP-21-07-SL	0.0474	U,G	0.501	-0.23	U,G	2.24	1.21	U,G	3.69	0.622	G,J	0.565	0.65	U,G	2.94
BP-21-07-SL-FD	0.175	U	0.461	-0.882	U	2.42	1.19	U	3.21	1.04	J	0.468	2.47	U	2.94
BP-21-13-SL	-0.297	U	0.456	-0.159	U	1.69	0.833	U	2.26	0.961	J	0.374	1.66	U	3.58
BP-21-24-SL	-0.104	U,G	0.54	0.114	U,G	1.71	-0.0765	U,G	3.99	1.01	G,J	0.535	0.413	U,G	2.81
BP-21-34-SL	0.116	U	0.38	0.117	U	1.8	-0.725	U	3.62	0.446	J	0.339	1.64	U	3.66
BP-22-05-SL	0.0178	U,G	0.387	-0.17	U,G	2.12	1.38	U,G	2.64	0.949	G,J	0.448	0.0772	U,G	3.9
BP-22-13-SL	0.0267	U,G	0.464	0.589	U,G	1.74	0.936	U,G	2.89	0.698	G,J	0.464	-0.806	U,G	4.89
BP-22-23-SL	0.152	U	0.303	0.303	U	1.48	1.43	U	2.73	0.465	J	0.381	1.92	U	3.34
BP-22-33-SL	0.0746	U	0.369	0.649	U	1.55	1.15	U	3.01	0.398	J	0.333	1.1	U	1.89
CB-02-05-SL	-0.175	U,G	0.543	-0.758	U,G	1.93	-0.14	U,G	2.58	0.556	G,J	0.484	0.766	U,G	4.78
CB-02-05-SL-FD	0.158	U,G	0.644	0.721	U,G	2.01	2.01	U,G	3.2	1.01	G,J	0.617	2.01	U,G	5.06
CB-02-15-SL	0.0517	U,G	0.524	0.429	U,G	2.05	0.771	U,G	2.84	0.66	G,J	0.5	1.79	U,G	3.12
CB-02-25-SL	0.0524	U,G	0.507	-0.881	U,G	2.68	0.443	U,G	3.65	0.646	G,J	0.518	2.04	U,G	4.24
DM-02-05-SL	-0.033	U	0.529	0.724	U	2.32	1.23	U	3.42	0.59	J,TI	0.532	3.63	SI	2.86
DM-02-17-SL	0.216	U,G	0.402	0.389	U,G	1.83	2.83	G,TI	2.81	0.823	G,J	0.512	3.52	U,G	4.28
DM-02-22-SL	-0.0671	U	0.539	0.334	U	2.02	0.0727	U	4.08	0.686	J	0.501	7.41	SI	3.25
DM-02-33-SL	0.138	U	0.318	0.159	U	1.74	0.23	U	2.77	0.697	J	0.391	3.51	U	4.77
DM-03-05-SL	0.173	U,G	0.435	-0.633	U,G	2.26	0.244	U,G	3.03	0.716	G,J	0.475	-0.313	U,G	4.37
DM-03-05-SL-FD	0.00735	U,G	0.605	0.13	U,G	2.6	0.39	U,G	4.19	1.51	G,J	0.349	1.77	U,G	2.64
DM-03-13-SL	0.101	U,G	0.396	-0.173	U,G	2.08	1.62	U,G	2.47	1.17	G,J	0.396	3.06	U,G	3.7
DM-03-25-SL	-0.0317	U,G	0.537	0.994	U,G	2.07	0.669	U,G	3.46	1.1	G,J	0.517	0	U,G	2.78
DM-03-34-SL	0.106	U,G	0.414	0.352	U,G	1.93	0.919	U,G	2.61	0.437	G,J	0.344	1.53	U,G	3.72

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Antimony-125			Beryllium-7			Bismuth-212			Bismuth-214			Cadmium-109		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
EP-13-03-SL	-0.0778	UJ	0.511	-0.0239	UJ	1.77	2.08	U	2.57	1.05	J	0.498	3.31	UJ	5.57
EP-13-13-SL	-0.132	UJ	0.602	-1.37	UJ	3.11	1.11	UJ	3.5	1.18	J	0.64	-0.179	UJ	3.05
EP-13-25-SL	0.0854	UJ	0.48	-0.347	UJ	2.02	2.25	U	2.57	0.821	J	0.429	2.44	UJ	4.42
EP-13-30-SL	-0.00248	UJ	0.377	0.773	UJ	1.67	0.907	UJ	2.58	0.705	J	0.475	1.24	UJ	3.69
EP-14-05-SL	-0.0157	UJ	0.542	0.273	UJ	2.38	2.91	U	3.61	0.779	J	0.439	-0.0151	UJ	3.07
EP-14-13-SL	0.0111	UJ	0.508	-0.0834	UJ	1.91	0.79	UJ	2.7	0.77	J	0.468	2.14	UJ	4.39
EP-14-25-SL	0.0567	UJ	0.468	0.144	UJ	2.21	3.26	J	2.76	0.961	J	0.503	0.0899	UJ	4.96
EP-14-31-SL	-0.0869	UJ	0.459	-0.177	UJ	1.99	0.0151	UJ	2.56	0.572	J	0.34	1.94	UJ	3.53
EP-15-05-SL	-0.183	U,G	0.623	0.0132	U,G	2.37	0.228	U,G	4.09	0.862	G,J	0.503	-2.86	U,G	5.57
EP-15-13-SL	-0.00584	U,G	0.568	0.219	U,G	2.31	2.12	U,G	3.88	0.791	G,J	0.44	0.501	U,G	4.81
EP-15-25-SL	-0.284	U	0.506	-0.716	U	2.4	0.61	U	2.25	0.254	UJ	0.408	0.192	U	2.04
EP-15-29-SL	-0.064	U	0.492	-0.0236	U	1.77	0.687	U	3.55	1.03	J	0.489	0.688	U	4.25
EP-16-05-SL	0.106	U,G	0.413	0.095	U,G	1.79	0.656	U,G	3.59	1.26	G,J	0.592	2.17	U,G	4.04
EP-16-15-SL	-0.176	U,G	0.476	-0.169	U,G	1.81	0.859	U,G	3.17	0.743	G,J	0.415	-0.796	U,G	4.74
EP-16-27-SL	-0.0645	U	0.339	0.0671	U	1.46	-0.15	U	1.85	0.258	UJ	0.261	0.395	U	2.41
EP-17-05-SL	0.0289	U,G	0.566	-1.16	U,G	2.89	2.08	U,G	2.83	0.897	G,J	0.574	1.46	U,G	2.64
EP-17-15-SL	-0.0829	U,G	0.595	0.0253	U,G	2.2	-0.77	U,G	3.8	0.721	G,J	0.484	0	U,G	4.98
EP-17-25-SL	0.123	U,G	0.602	0.274	U,G	2.75	-0.963	U,G	4.2	0.983	G,J	0.64	0.256	U,G	3.42
EP-17-30-SL	-0.0685	U	0.505	0.617	U	1.61	1.08	U	2.37	0.297	UJ	0.43	0.545	U	3.44
EP-18-09-SL	0.137	UJ	0.528	-0.266	UJ	2.67	0.926	UJ	3.96	1.06	J	0.504	3.14	J	2.51
EP-18-09-SL-FD	-0.0393	UJ	0.395	-0.0843	UJ	1.62	1.75	U	2.7	0.825	J	0.52	4.21	J	3.12
EP-18-15-SL	0.0265	UJ	0.437	-0.919	UJ	2.01	2.03	U	2.55	0.821	J	0.484	2.12	U	2.38
EP-18-29-SL	0.257	UJ	0.418	0	UJ	2.65	0.894	UJ	3.5	1.29	J	0.506	2.25	J	2.04
EP-19-05-SL	0.053	UJ	0.394	-0.0911	UJ	1.65	-0.712	UJ	3.35	0.729	J	0.579	-0.645	UJ	4.4
EP-19-13-SL	-0.0163	UJ	0.447	0.282	UJ	1.71	1.39	UJ	3.27	0.776	J	0.457	2.74	U	3.57
EP-19-25-SL	-0.0982	UJ	0.448	0.646	UJ	1.46	-0.971	UJ	3.28	0.807	J	0.458	1.39	UJ	2.71
EP-19-31-SL	0.0415	UJ	0.406	0.402	UJ	1.63	0.239	UJ	2.98	0.477	UJ	0.549	0.693	UJ	2.64
EP-20-05-SL	-0.145	U,G	0.41	-0.866	U,G	1.83	1.45	U,G	3.02	0.781	G,J	0.625	3.87	G,SI	3.27
EP-20-15-SL	-0.0138	U,G	0.478	0.47	U,G	1.66	2.33	U,G	3.39	0.8	G,J	0.555	1.41	U,G	2.87
EP-20-25-SL	0.111	U,G	0.351	-0.0422	U,G	1.61	1.28	U,G	2.8	0.506	U,G,J	0.543	2.63	U,G	2.92
LF-06-05-SL	-0.0514	U,G	0.513	0.19	U,G	1.86	2.71	U,G	2.86	0.828	G,J	0.442	-0.238	U,G	4.48
LF-06-13-SL	-0.0967	U,G	0.413	0.133	U,G	1.49	1.48	U,G	3.03	0.652	G,J	0.532	2.18	U,G	3.05
LF-06-27-SL	-0.184	U,G	0.419	0.845	U,G	1.45	2.27	U,G	2.99	0.798	G,J	0.523	1.75	U,G	3.22
LF-06-32-SL	-0.126	U,G	0.397	-0.481	U,G	1.39	0.942	U,G	2.34	0.162	U,G,J	0.472	0.721	U,G	2.62
LF--07-09-SL	-0.0593	U,G	0.476	-0.477	U,G	2.03	1.38	U,G	3.03	0.688	G,J	0.49	3.43	U,G	3.5
LF-07-15-SL	-0.166	U,G	0.424	-0.625	U,G	2.05	2.6	G,TI	2.19	0.826	G,J	0.436	-0.0602	U,G	4.02
LF-07-25-SL	-0.103	U,G	0.591	0.803	U,G	1.95	1.67	U,G	2.66	1.05	G,J	0.573	0.263	U,G	4.93
LF-07-34-SL	-0.0174	U,G	0.464	0.119	U,G	1.89	2.9	G,TI	2.09	0.475	U,G,J	0.476	0.775	U,G	2.28
LF-08-05-SL	0.14	U,G	0.547	-0.37	U,G	2.84	1.39	U,G	3.07	0.528	U,G,J	0.671	1.92	U,G	3.12
LF-08-05-SL-FD	0.0938	U,G	0.447	0	U,G	1.9	2.57	U,G	2.63	0.618	G,J	0.408	2.38	U,G	3.64
LF-08-15-SL	0.0146	U,G	0.488	0.337	U,G	1.66	0.899	U,G	2.94	0.742	G,J	0.41	0.369	U,G	4.94
LF-08-21-SL	0.158	U,G	0.55	0.27	U,G	2.19	-1.54	U,G	4.94	0.623	U,G,J	0.715	0.957	U,G	5.38
LF-08-37-SL	-0.0935	U,G	0.576	0.459	U,G	1.72	1.34	U,G	2.33	0.567	G,J	0.384	0.347	U,G	2.31

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Antimony-125			Beryllium-7			Bismuth-212			Bismuth-214			Cadmium-109		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
LF-09-03-SL	0.0368	U,G	0.451	-0.338	U,G	1.92	1.36	U,G	3.29	0.664	G,J	0.526	-1.08	U,G	5.16
LF-09-17-SL	0.157	U,G	0.615	0.0644	U,G	2.56	2.3	U,G	3.27	0.666	G,J	0.516	2.35	U,G	4.65
LF-09-25-SL	0.0473	U,G	0.493	-0.502	U,G	1.96	2.15	U,G	3.17	1.12	G,J	0.512	1	U,G	4.58
LF-09-31-SL	0.00812	U,G	0.456	0.162	U,G	1.74	-1.2	U,G	3.6	0.604	G,J	0.382	0.702	U,G	3.3
NB-28-04-SL	-0.053	U,G	0.435	0.878	U,G	2.06	0.452	U,G	3.46	0.901	G,J	0.447	0.338	U,G	4.79
NB-28-14-SL	-0.132	U,G	0.574	1.3	U,G	2.17	2.99	U,G	3.42	0.465	U,G,J	0.491	0.0673	U,G	2.87
NB-28-24-SL	-0.0487	U,G	0.386	0.405	U,G	1.69	0.108	U,G	2.89	-0.0464	U,G,J	0.504	-0.4	U,G	3.16
NB-28-35-SL	-0.039	U,G	0.401	-0.572	U,G	1.68	0.0392	U,G	2.66	-0.206	U,G,J	0.492	0.915	U,G	1.94
NB-29-05-SL	-0.0254	U,G	0.583	0.816	U,G	2.26	1.32	U,G	3.77	0.681	G,J	0.47	1.76	U,G	3.24
NB-29-14-SL	-0.00941	U,G	0.356	-0.0434	U,G	1.44	0.987	U,G	2.17	-0.223	U,G,J	0.469	0.00787	U,G	2.56
NB-29-22-SL	0.104	U	0.245	-0.0803	U	1.51	-0.13	U	2.13	0.465	J	0.288	0.523	U	2.63
NB-30-05-SL	-0.151	U,G	0.697	-0.485	U,G	2.74	3.3	U,G	3.56	1	G,J	0.46	1.91	U,G	5.2
NB-30-15-SL	-0.264	U,G	0.658	1.17	U,G	1.57	2.54	U,G	2.83	1.08	G,J	0.584	0.393	U,G	5.23
NB-30-25-SL	0.178	U,G	0.445	0.125	U,G	2.08	1.46	U,G	4.31	1.03	G,J	0.564	1.92	U,G	2.57
NB-30-33-SL	0.00817	U,G	0.458	1.19	U,G	1.75	0.94	U,G	3.07	0.323	U,G,J	0.366	-1.29	U,G	4.27
NB-31-05-SL	0.05	U,G	0.55	-0.926	U,G	2.66	1.17	U,G	3.99	0.888	G,J	0.428	2.35	U,G	3.18
NB-31-15-SL	0.177	U,G	0.408	0.755	U,G	1.5	1.04	U,G	2.72	1.06	G,J	0.451	2.47	U,G	4.26
NB-31-27-SL	0.268	U,G	0.573	-0.111	U,G	2.33	1.99	U,G	3.37	0.522	G,J	0.478	3.04	U,G	4.55
NB-31-32-SL	-0.152	U,G	0.57	-0.698	U,G	2.55	0.59	U,G	3.69	0.426	U,G,J	0.472	1.43	U,G	1.75
NB-32-05-SL	-0.147	U,G	0.546	0.861	U,G	2.32	2.18	U,G	3.72	0.981	G,J	0.533	1.54	U,G	2.77
NB-32-15-SL	-0.0209	U,G	0.573	0	U,G	2.61	0.66	U,G	4.73	0.816	G,J	0.657	2.35	G,SI	2.1
NB-32-27-SL	-0.116	U,G	0.453	1.34	U,G	1.56	0.433	U,G	2.3	1.02	G,J	0.416	1.47	U,G	2.98
NB-32-33-SL	0.132	U,G	0.518	-1.02	U,G	2.55	2.06	U,G	3.05	0.56	G,J,T	0.505	1.72	U,G	2.56
NB-33-05-SL	-0.0811	U,G	0.445	-0.83	U,G	2.17	0.701	U,G	3	0.659	G,J	0.421	1.11	U,G	3.87
NB-33-15-SL	0.197	U,G	0.549	-0.482	U,G	2.27	-0.0532	U,G	4	0.798	G,J	0.424	1.78	U,G	2.64
NB-33-27-SL	0.00691	U	0.308	0.472	U	1.25	0.992	U	2.48	0.676	J	0.358	-0.192	U	3.15
NB-34-05-SL	-0.238	U,G	0.625	-0.731	U,G	2.73	1.05	U,G	3.87	0.777	G,J,TI	0.495	2.15	U,G	2.86
NB-34-15-SL	0.139	U,G	0.462	0.183	U,G	2.1	0.789	U,G	2.58	0.778	G,J	0.481	1.51	U,G	4.11
NB-34-25-SL	-0.0689	U	0.449	-0.394	U	1.86	0.348	U	2.98	0.422	J	0.373	0.232	U	2.1
NB-35-01-SL	0.172	U,G	0.431	-0.698	U,G	2.41	2.61	U,G	3.23	0.97	G,J	0.65	0.7	U,G	2.97
NB-35-15-SL	0.0871	U,G	0.552	-1.55	U,G	2.98	1.85	U,G	3.28	0.761	G,J	0.483	3.04	G,SI	2.7
NB-35-25-SL	-0.032	U,G	0.491	-0.284	U,G	1.97	0.114	U,G	2.86	1.04	G,J	0.394	1.83	U,G	3.75
NB-36-05-SL	-0.0727	U,G	0.477	-0.0851	U,G	1.66	3.18	G,TI	1.91	0.861	G,J	0.549	1.11	U,G	4.63
NB-36-15-SL	-0.033	U,G	0.488	0.328	U,G	2.2	3.03	U,G	3.23	1.53	G,J	0.544	2.37	U,G	3.55
NB-36-27-SL	0.0932	U	0.46	0.107	U	1.78	1.61	U	2.95	0.669	J	0.479	0.604	U	2.66
NB-37-05-SL	-0.28	U,G	0.649	0.292	U,G	2.24	-0.944	U,G	3.83	0.957	G,J	0.597	-0.124	U,G	4.82
NB-37-15-SL	-0.0299	U,G	0.505	-0.45	U,G	2.59	0.604	U,G	4.64	1.09	G,J	0.544	1.55	U,G	1.89
NB-37-25-SL	0.208	U,G	0.519	0.0676	U,G	2.19	2.72	U,G	3.55	0.898	G,J	0.408	1.96	U,G	4.33
NB-38-09-SL	0.0923	U,G	0.369	0.116	U,G	1.4	1.57	U,G	2.46	0.419	U,G,J	0.485	1.36	U,G	2.45
NB-38-15-SL	0.117	U	0.339	-0.413	U	1.47	1.19	U	2.31	0.707	J	0.502	0.707	U	3.06
NB-38-25-SL	-0.157	U	0.378	-0.772	U	1.57	0.395	U	2.77	0.592	J	0.499	1.54	U	2.21
NB-39-05-SL	-0.102	U,G	0.685	0.34	U,G	2.27	2.9	U,G	3.75	0.871	G,J	0.503	1.42	U,G	4.92
NB-39-15-SL	0.0368	U,G	0.449	0.0858	U,G	1.88	1.49	U,G	2.63	0.9	G,J	0.414	3.37	G,SI	2.54

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Antimony-125			Beryllium-7			Bismuth-212			Bismuth-214			Cadmium-109		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-39-25-SL	-0.0362	U,G	0.471	0.116	U,G	2.18	0.549	U,G	3.75	0.555	G,J	0.494	0.916	U,G	2.61
NB-39-30-SL	-0.0114	U,G	0.578	0.422	U,G	2.16	1.35	U,G	2.94	0.229	U,G,J	0.445	1.1	U,G	4.44
NB-40-05-SL	0.0232	U,G	0.505	1.18	U,G	2.14	0.529	U,G	3.95	0.814	G,J	0.617	0.486	U,G	2.66
NB-40-05-SL-FD	0.0277	U	0.36	0	U	1.51	1.53	U	2.4	0.565	J	0.471	1.24	U	2.57
NB-40-17-SL	-0.0887	U,G	0.513	0.468	U,G	1.98	2.9	G,TI	2.67	0.647	G,J	0.477	1.36	U,G	4.8
NB-40-25-SL	-0.0971	U	0.448	-0.943	U	2.11	0.469	U	3.5	0.384	UJ	0.443	1.28	U	1.33
NB-40-31-SL	0.0166	U	0.29	0.0365	U	1.31	0.352	U	2.1	0.0802	UJ	0.424	0.338	U	2.43
NB-41-05-SL	0.044	U	0.464	-0.181	U	2.08	1.2	U	2.92	0.675	J	0.475	0.891	U	4.08
NB-41-13-SL	-0.0676	U	0.384	-0.55	U	1.84	1.28	U	2.55	0.459	UJ	0.468	0.153	U	1.7
NB-41-19-SL	-0.0709	U,G	0.392	-0.44	U,G	1.59	0.573	U,G	2.43	0.368	U,G,J	0.53	0.254	U,G	2.81
NB-42-05-SL	-0.0352	U,G	0.406	-0.0345	U,G	1.64	0.688	U,G	2.52	0.577	G,J	0.344	0.677	U,G	4.41
NB-42-13-SL	-0.154	U	0.469	0.702	U	1.59	-0.54	U	3.11	0.364	UJ	0.441	0.157	U	1.84
NB-42-23-SL	-0.00839	U	0.31	0.51	U	1.33	0.578	U	2.04	0.196	UJ	0.486	-0.402	U	2.49
NB-43-05-SL	-0.0271	U,G	0.453	0.21	U,G	1.48	0.153	U,G	2.9	0.641	G,J	0.412	2.94	G,SI	2.47
NB-43-13-SL	0	U	0.426	0.212	U	1.58	0.825	U	2.39	0.388	J	0.34	0.196	U	3.27
NB-44-05-SL	-0.0056	U	0.414	0.494	U	1.72	1.47	U	1.96	0.443	J	0.375	-0.482	U	1.95
NB-44-05-SL-FD	0.00924	U,G	0.358	-0.241	U,G	1.49	0.686	U,G	2.15	0.151	U,G,J	0.46	1.1	U,G	2.58
NB-44-11-SL	0.0556	U	0.321	0.163	U	1.16	0.0812	U	1.87	0.374	J	0.28	0.0356	U	2.5
NB-44-18-SL	0.00234	U	0.42	-0.215	U	1.73	-0.494	U	3.11	0.364	UJ	0.384	-0.816	U	3.17
NB-45-05-SL	0.146	U,G	0.571	0	U,G	2.81	1.48	U,G	4.62	0.612	G,J	0.558	1.31	U,G	2.7
NB-45-05-SL-FD	-0.0379	U,G	0.56	-0.666	U,G	3.06	0.431	U,G	4.13	1.08	G,J	0.532	0.438	U,G	2.94
NB-45-13-SL	0.277	U,G	0.525	-0.25	U,G	2.52	1.16	U,G	3.04	1.01	G,J	0.487	2.21	G,SI	2.16
NB-45-25-SL	0.338	U,G	0.481	-0.132	U,G	3.04	-1.56	U,G	5.1	0.621	G,J	0.488	2.42	U,G	3.18
NB-45-33-SL	0.018	U	0.342	-0.156	U	1.41	0.286	U	2.21	0.344	UJ	0.446	1.01	U	2.22
NB-46-09-SL	-0.206	U	0.562	0.22	U	1.83	1.33	U	3.24	0.774	J	0.457	1.16	U	2.54
NB-46-17-SL	0.019	U,G	0.361	0.0412	U,G	1.56	1.49	U,G	2.24	0.46	U,G,J	0.48	2.07	U,G	3.06
NB-46-25-SL	0.0222	U,G	0.511	-0.715	U,G	2.41	-0.109	U,G	3.88	0.805	G,J	0.492	-0.576	U,G	5.06
NB-46-29-SL	-0.128	U,G	0.406	0.422	U,G	1.19	1.41	U,G	2.22	0.545	G,J	0.462	-2	U,G	4.06
NB-47-05-SL	-0.12	U	0.419	-0.149	U	1.76	1.01	U	2.1	0.629	J	0.424	2.42	U	4.94
NB-47-15-SL	0.121	U,G	0.386	0.381	U,G	1.98	2.84	G,TI	2.48	1.12	G,J	0.494	3.17	U,G	3.64
NB-47-25-SL	-0.227	U,G	0.652	-1.48	U,G	3.43	0.947	U,G	3.71	1.01	G,J	0.492	1.98	U,G	3.08
NB-47-31-SL	-0.0186	U,G	0.54	-0.294	U,G	1.92	0.935	U,G	2.86	0.574	G,J	0.495	-0.381	U,G	4.73
NB-48-05-SL	0.0458	U,G	0.483	0	U,G	2.2	0.0789	U,G	3.48	1.16	G,J	0.4	2.17	U,G	4.63
NB-48-11-SL	0.00509	U,G	0.419	0.0901	U,G	1.97	1.41	U,G	2.82	1.04	G,J	0.411	2.28	U,G	2.37
NB-48-15-SL	-0.0557	U,G	0.544	-0.619	U,G	2.91	2.11	U,G	3.61	0.701	G,J	0.48	1.66	U,G	1.95
NB-48-25-SL	0.0208	U,G	0.324	0.505	U,G	1.59	0.764	U,G	3.34	0.954	G,J	0.42	1.59	U,G	2.35
NB-48-35-SL	0.19	U,G	0.527	-0.804	U,G	2.39	1.06	U,G	3.3	0.474	G,J	0.463	0.353	U,G	4.34
NB-49-05-SL	0.183	U,G	0.623	0.28	U,G	2.09	1.18	U,G	3.83	1.04	G,J	0.543	-2.78	U,G	5.69
NB-49-05-SL-FD	-0.0517	U,G	0.554	-0.485	U,G	2.72	0.81	U,G	3.76	0.692	G,J	0.521	0.995	U,G	2.66
NB-49-15-SL	-0.348	U,G	0.71	0.0262	U,G	2.78	-0.491	U,G	4.2	1.07	G,J	0.631	3.63	U,G	4.91
NB-49-25-SL	-0.12	U,G	0.49	0	U,G	2.13	-0.197	U,G	3.44	0.861	G,J	0.432	0.783	U,G	4.76
NB-49-37-SL	0.222	U,G	0.443	0.468	U,G	2.35	2.49	U,G	2.84	0.35	U,G,J	0.366	1.31	U,G	2.2
NB-50-05-SL	0.0114	U,G	0.581	-0.162	U,G	2.1	0.952	U,G	3.46	0.738	G,J	0.487	0.865	U,G	4.71

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Antimony-125			Beryllium-7			Bismuth-212			Bismuth-214			Cadmium-109		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-50-15-SL	-0.0297	U,G	0.475	1.32	U,G	1.33	1.96	U,G	2.9	0.958	G,J	0.428	0.185	U,G	4.31
NB-50-25-SL	-0.163	U,G	0.558	-0.367	U,G	2.22	-0.606	U,G	4.72	0.931	G,J	0.474	2.06	U,G	2.53
NB-50-37-SL	0.181	U	0.285	0.204	U	1.44	1.02	U	2.14	0.298	UJ	0.416	0.68	U	3.44
NB-51-05-SL	0.206	U,G	0.346	-0.091	U,G	1.78	0.99	U,G	2.92	0.566	G,J	0.482	2.21	U,G	3.35
NB-51-13-SL	-0.0647	U,G	0.625	0.0257	U,G	2.24	2.22	U,G	3.32	0.552	U,G,J	0.582	0.255	U,G	5.09
NB-51-25-SL	0.116	U,G	0.456	0.199	U,G	2.12	0.569	U,G	3.15	1.02	G,J	0.443	0.0216	U,G	4.66
NB-51-37-SL	-0.201	U,G	0.562	-0.375	U,G	1.83	1.71	U,G	2.49	0.672	G,J	0.339	-0.391	U,G	4.3
NB-52-05-SL	-0.119	U,G	0.55	-2.14	U,G	3.33	2	U,G	3.55	0.555	G,J	0.516	1.07	U,G	2.7
NB-52-13-SL	0.091	U,G	0.556	-1.08	U,G	2.64	0.67	U,G	3.32	0.832	G,J	0.507	1.65	U,G	4.77
NB-52-25-SL	-0.14	U,G	0.525	-0.397	U,G	2.33	1.82	U,G	2.51	0.624	G,J	0.394	-2.24	U,G	5.01
NB-52-35-SL	-0.115	U,G	0.638	0.242	U,G	2.28	0.158	U,G	3.97	0.58	G,J,TI	0.509	1.47	U,G	1.96
NB-53-05-SL	-0.236	U,G	0.543	0.0672	U,G	1.65	1.19	U,G	2.54	0.76	G,J	0.41	1.2	U,G	4.27
NB-53-13-SL	0.219	U,G	0.383	0	U,G	2	0.963	U,G	2.87	0.787	G,J	0.393	2.25	U,G	3.71
NB-53-23-SL	-0.193	U,G	0.614	-0.888	U,G	2.85	1.77	U,G	3.77	0.909	G,J	0.465	1.94	U,G	3.1
NB-53-33-SL	-0.242	U,G	0.445	-0.868	U,G	1.9	0.321	U,G	2.57	0.442	G,J	0.333	-0.188	U,G	3.75
NB-54-05-SL	0.0476	U,G	0.502	0.437	U,G	1.97	0.705	U,G	3.83	0.837	G,J	0.47	0.727	U,G	4.91
NB-54-13-SL	0.0643	U,G	0.609	0.585	U,G	2.16	0.269	U,G	3.95	0.85	G,J	0.522	1.19	U,G	4.93
NB-54-25-SL	0.0977	U,G	0.483	-0.366	U,G	2.6	-0.132	U,G	4.45	0.662	G,J	0.454	3.39	G	2.88
NB-54-31-SL	0.0254	U	0.431	0.608	U	1.6	1.81	TI	1.58	0.254	UJ	0.382	-0.642	U	2.88
NB-55-05-SL	0.0205	U,G	0.504	-0.119	U,G	2.48	1.86	U,G	3.54	0.642	G,J	0.484	1.64	U,G	2.35
NB-55-13-SL	0.0987	U,G	0.475	-1.1	U,G	2.38	1.25	U,G	3.54	0.84	G,J	0.482	2.56	U,G	4.73
NB-55-25-SL	0.261	U,G	0.367	-0.811	U,G	2.72	2.18	U,G	3.61	0.625	U,G,J	0.642	0.255	U,G	2.77
NB-55-33-SL	0.112	U	0.369	-0.65	U	1.95	0.795	U	2.16	0.215	UJ	0.369	0.474	U	2.83
NB-56-05-SL	0.137	U	0.393	0.977	U	1.42	1.66	U	2.33	0.839	J	0.347	-0.567	U	3.91
NB-56-13-SL	0.0656	U,G	0.54	-1.15	U,G	2.54	0.568	U,G	3.79	1.28	G,J	0.525	2.1	U,G	5.04
NB-56-25-SL	-0.00813	U,G	0.477	-0.569	U,G	2.28	1.01	U,G	2.91	0.829	G,J	0.519	0.392	U,G	4.07
NB-56-33-SL	-0.0339	U	0.421	0.158	U	2	-0.793	U	3.22	0.27	UJ	0.427	-1.36	U	3.62
NB-57-05-SL	-0.231	U,G	0.639	-0.275	U,G	2.65	1.69	U,G	3.13	0.733	G,J	0.523	3.25	U,G	4.77
NB-57-05-SL-FD	-0.125	U,G	0.58	-1.23	U,G	2.56	1.63	U,G	3.02	0.747	G,J	0.513	2.77	U,G	4.17
NB-57-15-SL	-0.142	U,G	0.648	-0.661	U,G	2.15	2.68	U,G	3.59	0.855	G,J	0.593	-1.92	U,G	5.04
NB-57-29-SL	-0.0447	U,G	0.446	0.0859	U,G	1.78	2.18	U,G	2.28	0.954	G,J	0.393	2.65	U,G	3.99
NB-57-34-SL	-0.221	U,G	0.615	-0.0354	U,G	1.85	-0.543	U,G	3.42	0.756	G,J	0.354	-0.827	U,G	4.36
NB-58-05-SL	0.00515	U,G	0.424	0.713	U,G	1.68	2.99	G,TI	2.14	0.983	G,J	0.431	1.86	U,G	2.3
NB-58-15-SL	-0.00903	U,G	0.599	-1.25	U,G	2.88	2.08	U,G	3.53	0.71	G,J	0.661	-0.651	U,G	5.6
NB-58-29-SL	-0.258	U,G	0.517	-1.22	U,G	2.4	1.95	U,G	2.82	0.751	G,J	0.356	1.21	U,G	2.51
NB-58-36-SL	0.0774	U,G	0.418	0.809	U,G	1.74	0.734	U,G	3.24	0.51	G,J	0.364	2.19	U,G	2.73
NB-59-05-SL	0.0893	U,G	0.34	-0.177	U,G	1.88	0.798	U,G	2.74	0.833	G,J	0.404	3.4	G,SI	3.07
NB-59-13-SL	0.051	U,G	0.602	-0.445	U,G	2.52	0.232	U,G	3.76	0.804	G,J	0.561	0.122	U,G	5.24
NB-59-25-SL	0.00986	U,G	0.425	0.0862	U,G	1.5	1.31	U,G	2.37	0.946	G,J	0.451	1.9	U,G	3.44
NB-59-31-SL	0.0198	U,G	0.488	0.348	U,G	1.94	0.301	U,G	4.08	0.652	G,J	0.493	1.15	U,G	2.12
NB-60-05-SL	-0.0876	U,G	0.511	0.271	U,G	1.87	-0.242	U,G	3.12	0.924	G,J	0.475	2.8	U,G	4.16
NB-60-13-SL	-0.0529	U,G	0.622	0.626	U,G	2.18	1.4	U,G	3.7	0.873	G,J	0.515	2.54	U,G	3.09
NB-60-23-SL	-0.0611	U,G	0.432	-0.0415	U,G	1.51	2.65	G,TI	2.23	0.581	G,J	0.436	1.77	U,G	2.3

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Antimony-125			Beryllium-7			Bismuth-212			Bismuth-214			Cadmium-109		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-60-31-SL	0.018	U,G	0.515	0.482	U,G	2.19	0.0818	U,G	3.07	0.491	U,G,J	0.518	1.06	U,G	2.22
NB-61-05-SL	-0.0809	U,G	0.581	-0.118	U,G	1.77	2.43	U,G	3.15	1.24	G,J	0.524	2.32	U,G	3.16
NB-61-13-SL	0.0783	U,G	0.526	0.604	U,G	2.1	1.78	U,G	3.27	0.94	G,J	0.593	1.74	U,G	1.86
NB-61-23-SL	-0.0671	U,G	0.509	0.86	U,G	1.84	0.361	U,G	3.66	0.803	G,J	0.464	1.62	U,G	4.73
NB-61-28-SL	0.0984	U	0.305	0.0772	U	1.45	0.283	U	2.29	0.562	J	0.363	0.347	U	3.28
NB-62-05-SL	0.0382	U,G	0.463	0.367	U,G	2.22	1.08	U,G	3.41	0.689	G,J	0.507	0.227	U,G	2.59
NB-62-12-SL	0.0267	U,G	0.324	-0.766	U,G	1.66	-0.0286	U,G	2.13	0.379	U,G,J	0.408	1.61	U,G	2.52
NB-62-22-SL	-0.0784	U,G	0.511	0.807	U,G	2.01	-0.57	U,G	3.2	0.0817	U,G,J	0.463	0.868	U,G	2.12
NB-63-05-SL	-0.107	U,G	0.623	1.09	U,G	2.28	2.01	U,G	3.83	0.662	G,J	0.533	-0.127	U,G	2.97
NB-63-13-SL	0.028	U,G	0.487	0.467	U,G	1.47	-1.38	U,G	3.51	0.659	G,J	0.445	-1.44	U,G	4.06
NB-63-19-SL	0.125	U	0.342	-0.0753	U	1.47	0.79	U	2.02	0.264	J	0.23	0.91	U	2.78
NB-64-05-SL	-0.036	U,G	0.416	-0.0988	U,G	2.11	1.88	U,G	2.34	0.684	G,J	0.554	0.432	U,G	4.01
NB-64-13-SL	-0.0478	U,G	0.438	-0.226	U,G	2.27	-0.647	U,G	3.72	0.186	U,G,J	0.5	0.72	U,G	1.99
NB-64-17-SL	-0.0338	U,G	0.31	-0.398	U,G	1.5	0.256	U,G	2.12	0.415	U,G,J	0.547	-0.165	U,G	2.62
NB-65-05-SL	-0.0711	U,G	0.404	-0.719	U,G	2.2	0.209	U,G	2.93	0.672	G,J	0.433	2.57	U,G	3.53
NB-65-13-SL	-0.0735	U,G	0.453	0	U,G	1.84	0.449	U,G	2.42	0.635	G,J	0.373	2.49	U,G	3.43
NB-65-17-SL	0.148	U,G	0.459	0.683	U,G	2.06	0.0782	U,G	2.94	0.313	U,G,J	0.423	-0.132	U,G	2.04
NB-66-05-SL	0.0612	U,G	0.621	1.07	U,G	2.12	2.04	U,G	3.75	0.462	G,J	0.458	1.6	U,G	2.1
NB-66-05-SL-FD	-0.0753	U,G	0.674	-0.145	U,G	2.42	1.54	U,G	5.04	0.431	U,G,J	0.565	0.983	U,G	2.46
NB-66-15-SL	0.125	U,G	0.49	-0.0356	U,G	1.86	0.17	U,G	4.26	0.524	G,J	0.509	-0.237	U,G	4.47
NB-66-19-SL	-0.0766	U	0.354	0.454	U	1.2	0.574	U	2.41	0.33	UJ	0.352	1.06	U	2.64
NB-67-05-SL	0.1	U,G	0.496	0.61	U,G	1.94	3.16	U,G	3.85	0.695	G,J	0.599	-0.299	U,G	2.71
NB-67-11-SL	-0.0573	U,G	0.346	-0.502	U,G	1.31	-0.37	U,G	2.59	0.111	U,G,J	0.437	0.461	U,G	2.59
NB-67-21-SL	-0.0138	U	0.399	-0.0188	U	1.83	0.683	U	2.37	0.439	J	0.35	0.208	U	2.75
NB-68-05-SL	0.0313	U,G	0.395	0.252	U,G	1.44	0.902	U,G	2.74	0.641	G,J	0.515	1.11	U,G	2.87
NB-68-13-SL	-0.0842	U,G	0.513	0	U,G	2.22	0.561	U,G	3.83	0.656	G,J	0.46	1.76	U,G	2.81
NB-68-17-SL	0.0428	U,G	0.54	-0.22	U,G	2.31	0.283	U,G	3.46	0.759	G,J	0.537	0.382	U,G	4.65
NB-68-25-SL	0.122	U,G	0.365	0.29	U,G	2.12	1.94	U,G	2.97	0.955	G,J	0.471	1.64	U,G	4.44
NB-68-33-SL	0.185	U,G	0.399	-0.426	U,G	2.07	-0.591	U,G	3.37	0.131	U,G,J	0.504	0.498	U,G	1.98
NB-69-05-SL	0.128	U,G	0.386	-0.153	U,G	1.44	0.117	U,G	2.76	0.482	G,J	0.463	1.38	U,G	2.49
NB-69-15-SL	0.129	U,G	0.358	0.0745	U,G	1.33	1.32	U,G	2.18	0.313	U,G,J	0.4	0.732	U,G	2.9
NB-69-22-SL	0.0565	U,G	0.434	0.228	U,G	1.7	2.03	U,G	2.93	0.685	G,J	0.576	1.18	U,G	3.12
NB-69-34-SL	-0.0915	U	0.36	0.407	U	1.29	1.45	U	2.25	0.329	UJ	0.434	1.61	U	2.56
NB-70-05-SL	-0.0299	U,G	0.4	0.483	U,G	1.46	1.88	U,G	2.42	0.303	U,G,J	0.55	0.874	U,G	2.62
NB-70-15-SL	-0.0734	U,G	0.427	-0.33	U,G	1.76	1.62	U,G	2.33	0.658	G,J	0.401	1.65	U,G	3.99
NB-70-23-SL	0.125	U,G	0.441	0.222	U,G	1.58	1.5	U,G	2.96	0.609	G,J	0.529	0.413	U,G	3.48
NB-70-33-SL	-0.258	U,G	0.438	-1.01	U,G	1.73	1.21	U,G	2.48	0.574	G,J	0.516	1.53	U,G	2.63
NB-71-01-SL	-0.0186	U,G	0.448	-0.331	U,G	1.92	0.637	U,G	3.67	0.737	G,J	0.391	0.462	U,G	5.34
NB-71-01-SL-FD	-0.213	U,G	0.647	1.35	U,G	2.03	0.427	U,G	4.04	0.475	U,G,J	0.538	1.85	U,G	5.21
NB-71-11-SL	0.246	U,G	0.552	0	U,G	2.04	1.07	U,G	2.79	0.698	G,J	0.504	0.929	U,G	2.84
NB-71-27-SL	-0.0172	U,G	0.414	-0.496	U,G	1.7	-0.994	U,G	3.2	0.611	G,J	0.41	0.932	U,G	3.58
NB-72-05-SL	0.0847	U,G	0.548	-0.557	U,G	2.14	1.86	U,G	2.63	0.44	U,G,J	0.467	-0.352	U,G	4.09
NB-72-11-SL	-0.15	U,G	0.579	1.38	U,G	2.08	-0.222	U,G	4.09	0.557	U,G,J	0.612	0.817	U,G	2.51

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Antimony-125			Beryllium-7			Bismuth-212			Bismuth-214			Cadmium-109		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-72-19-SL	-0.0548	U	0.375	0.119	U	1.23	-0.0302	U	2.47	0.345	UJ	0.401	1.82	U	2.59
NB-72-22-SL	0.0411	U	0.434	-0.681	U	1.96	0.6	U	2.51	0.345	J	0.293	1.41	U	1.5
NB-73-05-SL	-0.0822	U,G	0.479	-0.867	U,G	2.64	0.51	U,G	3.44	0.257	U,G,J	0.495	-0.416	U,G	2.36
NB-73-13-SL	0.0416	U,G	0.48	0.115	U,G	2.08	0.0525	U,G	3.18	0.313	U,G,J	0.492	0.385	U,G	1.96
NB-73-23-SL	-0.181	U	0.461	-0.518	U	1.73	0.615	U	2.87	0.414	UJ	0.456	-0.0958	U	1.9
NB-74-05-SL	0.0104	U,G	0.365	0.385	U,G	1.52	2.05	U,G	2.73	0.969	G,J	0.487	2.81	U,G	3.22
NB-74-17-SL	-0.0114	U,G	0.522	0.165	U,G	2.12	2.35	U,G	3.3	0.874	G,J	0.465	-0.246	U,G	5.26
NB-74-25-SL	-0.0282	U,G	0.424	0.2	U,G	2.11	1.88	U,G	2.47	0.983	G,J	0.482	3.22	U,G	3.4
NB-74-33-SL	0.0095	U,G	0.329	0.0792	U,G	1.38	-0.154	U,G	2.18	0.388	G,J	0.371	-1.12	U,G	3.07
NB-75-08-SL	0.142	U,G	0.343	0.412	U,G	1.13	1.02	U,G	2.66	0.85	G,J	0.42	2.16	U,G	4.17
NB-75-15-SL	-0.209	U,G	0.57	-0.463	U,G	2.14	0.753	U,G	3.14	0.586	G,J	0.395	2.09	U,G	2.5
NB-75-19-SL	-0.0353	U	0.378	-0.476	U	1.64	0.125	U	2.16	0.124	UJ	0.42	0.0893	U	3.08
NB-76-06-SL	-0.031	U,G	0.442	0.139	U,G	1.89	-0.396	U,G	3.53	0.177	U,G,J	0.407	-0.973	U,G	3.16
NB-76-10-SL	-0.146	U	0.358	-0.226	U	1.37	0.121	U	2.1	0.0314	UJ	0.407	-0.26	U	2.71
NB-76-24-SL	-0.0432	U	0.354	1.24	TI	1.15	0.415	U	2.46	0.185	UJ	0.408	0.364	U	1.73
NB-77-05-SL	-0.0579	U,G	0.327	-0.355	U,G	1.36	1.35	U,G	2.19	0.0317	U,G,J	0.415	-1.23	U,G	2.82
NB-77-13-SL	0.0868	U	0.31	0.4	U	1.58	0.716	U	2.99	0.0887	UJ	0.368	0	U	3.1
NB-77-24-SL	-0.205	U	0.388	-0.14	U	1.53	-0.15	U	1.85	0.594	J	0.382	0.61	U	2.67
NB-78-07-SL	0	U,G	0.592	0	U,G	2.44	1.15	U,G	3.92	1.09	G,J	0.715	1.62	U,G	2.93
NB-78-11-SL	0.0739	U,G	0.323	0.226	U,G	1.37	0.67	U,G	2.41	0.417	G,J	0.41	1.55	U,G	2.57
NB-78-18-SL	0.0072	U,G	0.416	-0.155	U,G	1.42	1.48	U,G	3.02	0.871	G,J	0.43	0.57	U,G	4.3
NB-79-05-SL	-0.0134	U,G	0.465	-0.109	U,G	2.19	0.61	U,G	3.48	0.563	G,J	0.53	0.887	U,G	2.45
NB-79-05-SL-FD	-0.00352	U,G	0.455	0.412	U,G	1.61	0.32	U,G	2.43	0.508	G,J	0.37	-1.03	U,G	4.46
NB-79-11-SL	-0.0605	U,G	0.497	0	U,G	2.05	-0.229	U,G	3.66	0.48	G,J	0.315	1.11	U,G	2.29
NB-79-24-SL	-0.157	U	0.397	0	U	1.3	0.407	U	2.21	0.364	UJ	0.437	0	U	3.58
NB-80-05-SL	0.0653	U,G	0.452	0.961	U,G	2.01	-0.791	U,G	3.38	0.503	G,J	0.47	0.788	U,G	2.25
NB-80-11-SL	0.0572	U,G	0.367	0.0385	U,G	1.44	-0.52	U,G	2.82	0.483	U,G,J	0.507	-0.131	U,G	3.19
NB-80-27-SL	0.00278	U,G	0.499	-0.464	U,G	2.14	1.17	U,G	2.74	0.6	G,J	0.436	0.12	U,G	4.23
NB-81-09-SL	-0.03	U,G	0.459	-0.39	U,G	1.82	1.03	U,G	2.16	0.687	G,J	0.455	1.8	U,G	4.58
NB-81-11-SL	-0.12	U,G	0.45	0.671	U,G	1.63	1.59	U,G	2.67	0.982	G,J	0.416	1.25	U,G	4.01
NB-81-31-SL	-0.0283	U,G	0.313	0.11	U,G	1.16	-0.994	U,G	2.71	0.284	U,G,J	0.451	0.748	U,G	2.58
NB-82-05-SL	0.111	U,G	0.566	-0.723	U,G	2.47	2.04	U,G	3.15	1.19	G,J	0.481	0.251	U,G	4.59
NB-82-11-SL	-0.227	U	0.371	0.11	U	1.35	0.914	U	2.14	0.026	UJ	0.438	1.28	U	2.73
NB-82-20-SL	-0.063	U	0.334	0.152	U	1.43	0.811	U	2.14	0.285	UJ	0.416	-0.378	U	2.92
NB-83-05-SL	-0.288	U,G	0.704	-0.274	U,G	2.84	3.16	U,G	3.26	0.854	G,J	0.446	2.4	U,G	2.99
NB-83-11-SL	0.218	U,G	0.319	0.499	U,G	1.3	0.285	U,G	2.61	-0.0799	U,G,J	0.452	0.492	U,G	2.83
NB-83-23-SL	0.0209	U	0.285	-0.227	U	1.43	0.15	U	2.32	0.442	J	0.329	0.662	U	2.87
NB-84-05-SL	0.0732	U,G	0.521	-0.263	U,G	2.56	1.78	U,G	3.73	1.07	G,J	0.695	1.18	U,G	2.61
NB-84-15-SL	0.0299	U,G	0.404	0.0398	U,G	1.36	-0.246	U,G	2.93	0.385	U,G,J	0.536	-0.151	U,G	3.16
NB-84-23-SL	-0.0272	U,G	0.454	-0.361	U,G	1.48	0.2	U,G	2.05	0.254	U,G,J	0.402	0.513	U,G	3.38
NB-84-33-SL	0.0669	U	0.417	0.392	U	1.44	-0.145	U	2.68	0.481	J	0.419	0	U	2.96
NB-85-05-SL	-0.025	U,G	0.521	0.127	U,G	2.27	2.12	U,G	3.21	0.807	G,J	0.46	-0.618	U,G	5.15
NB-85-15-SL	0.039	U,G	0.521	-0.383	U,G	2.22	-0.104	U,G	3.52	0.726	G,J	0.439	1.42	U,G	4.36

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Antimony-125			Beryllium-7			Bismuth-212			Bismuth-214			Cadmium-109		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-85-25-SL	0.171	U,G	0.479	0.148	U,G	1.8	2.24	U,G	2.76	0.828	G,J	0.449	2.51	U,G	4.7
NB-85-35-SL	0.0396	U	0.282	0.16	U	1.45	-0.208	U	1.47	0.0983	UJ	0.352	-0.559	U	2.83
NB-86-05-SL	-0.219	U,G	0.616	-0.472	U,G	3.06	-0.261	U,G	4.47	0.754	G,J	0.668	0.0498	U,G	3.33
NB-86-15-SL	0.0795	U,G	0.522	0.218	U,G	2.06	2.42	U,G	2.92	0.944	G,J	0.476	0.972	U,G	4.55
NB-86-19-SL	-0.0629	U,G	0.383	0.183	U,G	1.38	0.58	U,G	2.32	0.549	G,J	0.439	1.2	U,G	3
OA-18-03-SL	0.0569	U	0.371	-0.243	U	1.77	1.4	U	2.28	0.913	J	0.36	0.704	U	3.7
OA-18-17-SL	0.0674	U,G	0.421	0.427	U,G	1.55	1.35	U,G	2.59	1.08	G,J	0.447	2.43	U,G	4.04
OA-18-25-SL	-0.306	U,G	0.606	-0.247	U,G	1.96	1.69	U,G	4.1	0.729	G,J	0.474	2.33	U,G	2.58
OA-18-33-SL	0.113	U	0.296	0	U	1.57	0.784	U	2.13	0.745	J	0.386	2	U	3.54
OA-19-05-SL	-0.0984	U	0.51	-0.546	U	2.51	0.337	U	3.62	0.862	J	0.478	1.32	U	2.54
OA-19-15-SL	-0.00242	U,G	0.368	-0.413	U,G	1.86	-0.157	U,G	3.06	1.21	G,J	0.386	-0.0354	U,G	3.8
OA-19-25-SL	0.0617	U,G	0.547	0.782	U,G	2.03	1.35	U,G	3.54	0.947	G,J	0.499	2.49	G,SI	1.96
OA-19-33-SL	-0.0306	U	0.396	-0.0805	U	1.57	0.804	U	2.06	0.418	J	0.296	0.859	U	3.02
PL-04-05-SL	-0.0919	U,G	0.532	-0.705	U,G	2.34	1.98	U,G	3.94	0.577	G,J	0.476	-0.384	U,G	4.92
PL-04-13-SL	0.157	U,G	0.37	0.112	U,G	2.18	4.1	G,TI	3.07	0.865	G,J	0.494	0.794	U,G	2.67
PL-04-23-SL	-0.216	U	0.603	0.944	U	1.65	0.462	U	2.85	0.664	J	0.432	2.15	U	3.95
PL-04-31-SL	-0.116	U,G	0.435	0.517	U,G	1.37	0.471	U,G	2.58	0.866	G,J	0.384	0.646	U,G	3.92
PL-05-05-SL	-0.0518	U,G	0.476	-0.234	U,G	1.75	1.44	U,G	2.78	0.859	G,J	0.372	0.288	U,G	4.58
PL-05-15-SL	-0.119	U	0.549	0.261	U	2	0.833	U	3.5	0.609	J	0.401	1.93	U	4.47
PL-05-28-SL	0.11	U,G	0.425	0.13	U,G	1.5	1.72	U,G	3.18	0.625	G,J	0.412	0.0695	U,G	4.09
PL-06-07-SL	0.0586	U,G	0.394	0.378	U,G	2.01	0.503	U,G	2.77	0.936	G,J	0.492	1.3	U,G	4.29
PL-06-13-SL	0.0852	U,G	0.417	-0.566	U,G	2.36	1.29	U,G	2.77	0.969	G,J	0.385	1.54	U,G	3.9
PL-06-17-SL	0.0215	U,G	0.448	0.343	U,G	1.7	-0.269	U,G	3.34	0.988	G,J	0.442	-2.23	U,G	4.9
PL-06-29-SL	0.0446	U	0.332	0.157	U	1.32	0.678	U	2.4	0.254	UJ	0.427	0.372	U	2.78
PL-06-33-SL	0.0992	U	0.457	0.68	U	1.65	-0.431	U	2.8	0.353	J	0.315	0.558	U	3.21
RR-04-07-SL	-0.194	U,G	0.643	-0.649	U,G	3.31	1.64	U,G	3.43	0.784	G,J	0.553	1.79	U,G	2.97
RR-04-15-SL	0.122	U,G	0.479	-0.116	U,G	1.71	0.749	U,G	2.76	0.749	G,J	0.374	-0.136	U,G	4.95
RR-04-25-SL	0.0218	U,G	0.537	0.379	U,G	2.29	2.42	U,G	3.77	0.584	G,J	0.436	1.84	U,G	2.44
RR-05-05-SL	-0.0234	U,G	0.54	0.55	U,G	2.15	0.445	U,G	3.67	0.971	G,J	0.536	-0.127	U,G	5.13
RR-05-05-SL-FD	0.187	U,G	0.605	0.14	U,G	2.9	0.422	U,G	4.54	0.614	G,J	0.5	-0.0918	U,G	3.55
RR-05-15-SL	-0.0393	U,G	0.52	-0.489	U,G	2.09	0.382	U,G	3.11	0.91	G,J	0.467	1.69	U,G	4.57
RR-05-25-SL	0.229	U,G	0.538	-1.06	U,G	2.87	0.616	U,G	4.11	0.637	U,G,J	0.64	0.134	U,G	5.03
SW-02-01-SL	0.0191	U,G	0.499	-0.737	U,G	2.35	4.4	G	3.13	0.932	G,J	0.515	3.73	U,G	4.59
SW-02-09-SL	0.2	U,G	0.372	0.527	U,G	1.65	1.12	U,G	2.79	0.798	G,J	0.425	-0.475	U,G	4.32
SW-02-15-SL	0.185	U,G	0.527	0.119	U,G	2.87	1.78	U,G	3.8	0.864	G,J	0.568	2.29	U,G	4.84
SW-02-23-SL	-0.0359	U,G	0.422	-0.26	U,G	1.95	1.78	U,G	2.25	0.777	G,J	0.411	2.41	U,G	4.23
SW-05-08-SL	0.342	U,G	0.501	-0.438	U,G	2.52	2.23	U,G	3.49	1.24	G,J	0.429	3.55	U,G	4.25
SW-05-12-SL	0.0576	U,G	0.393	0.511	U,G	1.7	1.75	U,G	2.41	0.803	G,J	0.502	2.56	U,G	3.81
SW-06-05-SL	0.0822	U,G	0.5	-0.431	U,G	1.87	1.9	U,G	2.88	0.752	G,J	0.463	1.32	U,G	4.52
SW-06-05-SL-FD	-0.0662	U,G	0.432	-1.31	U,G	2.46	-0.505	U,G	3.5	0.844	G,J	0.494	1.95	U,G	2.74
SW-06-13-SL	0.17	U,G	0.554	-0.518	U,G	2.68	2.37	U,G	3.68	0.527	G,J	0.525	1.09	U,G	2.72
SW-06-23-SL	-0.209	U,G	0.435	0.644	U,G	1.66	1.5	U,G	3.03	0.144	U,G,J	0.557	-3.49	U,G	4.04
SW-07-05-SL	-0.0867	U,G	0.482	0.669	U,G	1.86	2.48	U,G	2.53	1.14	G,J	0.403	-0.3	U,G	4.27

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Antimony-125			Beryllium-7			Bismuth-212			Bismuth-214			Cadmium-109		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-07-15-SL	0.144	U,G	0.559	0.83	U,G	2.87	1.18	U,G	3.72	0.537	U,G,J	0.676	2.7	G,SI	2.16
SW-07-23-SL	-0.11	U,G	0.412	0.544	U,G	1.81	1.23	U,G	3.22	0.107	U,G,J	0.557	2.04	U,G	2.33
SW-08-03-SL	0.1	U,G	0.495	0	U,G	2.44	0.576	U,G	3.94	0.614	G,J	0.525	1.3	U,G	2.22
SW-08-05-SL	-0.253	U,G	0.639	0.285	U,G	2.35	-0.299	U,G	3.98	0.817	G,J	0.483	0.737	U,G	4.69
SW-08-15-SL	0.0613	U,G	0.6	0.809	U,G	2.25	1.92	U,G	3.53	0.771	G,J	0.497	2.68	G	2.33
SW-08-25-SL	0.044	U	0.363	0.563	U	1.14	0.623	U	1.55	0.304	UJ	0.326	-0.804	U	3.14

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cerium-139			Cerium-144			Cesium-134			Cesium-137			Chromium-51		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-13-09-SL	-0.0237	U,G	0.115	-0.122	U,G	0.766	0.208	U,G	1.88	-0.036	U,G	0.218	0.563	U,G	1.64
BD-13-15-SL	0.00703	U,G	0.113	0.0466	U,G	0.746	0.301	G,TI	0.268	0.0105	U,G	0.206	-0.398	U,G	1.84
BD-13-23-SL	-0.0248	U,G	0.113	-0.129	U,G	0.746	-0.0727	U,G	0.25	0.00843	U,G	0.211	0.274	U,G	1.84
BD-13-30-SL	0.00657	U,G	0.114	-0.266	U,G	0.809	0	U,G	0.172	-0.0751	U,G	0.216	-0.0908	U,G	2.4
BD-14-05-SL	-0.117	U,G	0.163	-0.351	U,G	0.838	0.0345	U,G	0.252	-0.0742	U,G	0.266	0.624	U,G	2.33
BD-14-13-SL	-0.00198	U,G	0.103	0.175	U,G	0.692	0.00532	U,G	0.212	-0.0598	U,G	0.226	0.376	U,G	1.51
BD-14-25-SL	0.0138	U	0.11	-0	U	0.791	-0.0217	U	0.189	-0.148	U	0.316	0.759	U	1.86
BD-14-31-SL	-0.0326	U	0.121	-0.14	U	0.686	0.0878	U	0.174	0.0708	U	0.204	-0.607	U	2.14
BD-15-05-SL	0.00133	U,G	0.0834	-0.285	U,G	0.723	-0.0395	U,G	0.222	0.094	U,G	0.178	-0.154	U,G	1.85
BD-15-17-SL	-0.0296	U,G	0.176	0.142	U,G	0.955	-0.112	U,G	0.381	0.0364	U,G	0.277	-1.08	U,G	3.39
BD-15-25-SL	-0.0391	U	0.0981	-0.232	U	0.61	0.0674	U	0.166	-0.035	U	0.202	-0.267	U	1.6
BD-15-31-SL	-0.0213	U,G	0.161	0.0961	U,G	0.889	-0.0377	U,G	0.245	-0.0501	U,G	0.29	0.476	U,G	2.6
BD-16-05-SL	0	U,G	0.147	-0.186	U,G	0.961	0.121	U,G	0.201	0.0592	U,G	0.253	0.503	U,G	2.74
BD-16-15-SL	-0.0164	U,G	0.117	0.303	U,G	0.688	-0.0496	U,G	0.288	0.0769	U,G	0.188	-0.0893	U,G	2
BD-16-19-SL	0.0344	U,G	0.124	-0.0983	U,G	0.888	-0.184	U,G	0.288	-0.173	U,G	0.277	-0.733	U,G	2.35
BD-16-25-SL	-0.029	U,G	0.158	-0.103	U,G	0.985	-0.0806	U,G	0.278	0.0699	U,G	0.249	-0.237	U,G	3.13
BD-16-34-SL	-0.039	U,G	0.121	0.144	U,G	0.781	0.0349	U,G	0.226	-0.0608	U,G	0.222	0.276	U,G	1.91
BLD240-01-01	-0.013	U	0.096	-0.06	U	0.7	-0.08	U	0.196	0.058	U	0.169	-1.2	U	2.3
BLD240-01-09	0.049	U	0.112	-0.06	U	0.85	-0.08	U	0.22	-0.05	U	0.23	0.6	U	1.9
BLD240-01-09FD	0.016	U	0.096	0.17	U	0.67	0.083	U	0.161	0.009	U	0.137	0.74	U	1.4
BLD240-01-31															
BLD240-03-04	-0.023	U	0.134	0.22	U	0.89	0.02	U	0.22	0	U	0.27	-1.4	U	2.8
BLD240-03-04FD	-0.012	U	0.109	-0.08	U	0.72	-0.087	U	0.195	0.042	U	0.158	-0.2	U	2.1
BLD240-03-14															
BLD240-03-19	-0.074	U	0.16	0.09	U	0.84	-0.01	U	0.25	0.02	U	0.26	-0.1	U	2.7
BLD240-04-02	0.003	U	0.113	-0.45	U	0.8	-0.04	U	0.21	0.11	U	0.16	0.2	U	2
BLD240-04-04	0.003	U	0.11	-0.37	U	0.81	0.016	U	0.175	-0.089	U	0.211	0.4	U	2
BLD240-04-33															
BLD240-05-01	-0.009	U	0.131	-0.37	U	0.81	0.02	U	0.2	-0.17	U	0.29	-0.4	U	3
BLD240-05-02	-0.06	U	0.142	0.05	U	0.91	-0.02	U	0.21	0.07	U	0.2	-0.7	U	2.9
BLD253-02-01	-0.063	U	0.102	-0.21	U	0.63	-0.093	U	0.17	0.024	U	0.121	0.08	U	1.77
BLD253-02-04	0.05	U	0.29	0.39	U	0.99	0.03	U	0.19	0.01	U	0.21	-0.1	U	2.5
BLD253-02-21FD	-0.067	U	0.124	-0.13	U	0.73	0.061	U	0.161	0.037	U	0.152	0.4	U	1.8
BLD253-02-21															
BLD255-05-01															
BLD255-05-23															
BLD255-07-02	0.02	U	0.098	0.4	U	0.61	0.05	U	0.19	0.029	U	0.167	-1	U	2.1
BLD255-07-15	-0.009	U	0.132	0.16	U	0.81	0.05	U	0.21	0.03	U	0.23	0.2	U	2.1
BLD255-07-33															
BLD255-08-01	-0.096	U	0.177	-0.04	U	1.2	-0.02	U	0.19	0.029	U	0.177	0	U	2.1
BLD255-08-08	0.014	U	0.139	0.17	U	0.8	0	U	0.27	-0.05	U	0.3	-0.4	U	2.6
BLD260-06-01	-0.045	U	0.124	0.04	U	0.74	0	U	0.18	-0.029	U	0.177	-0.9	U	2
BLD260-06-03	-0.058	U	0.154	0.06	U	0.9	-0.01	U	0.24	-0.05	U	0.27	0.1	U	2.4

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cerium-139			Cerium-144			Cesium-134			Cesium-137			Chromium-51		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BLD260-06-31															
BP-13-05-SL	0.0124	U,G	0.126	-0.232	U,G	0.817	-0.0445	U,G	0.247	-0.00969	U,G	0.248	-0.291	U,G	2.33
BP-13-11-SL	-0.0348	U,G	0.115	-0.0885	U,G	0.702	-0.0277	U,G	0.207	-0.0324	U,G	0.186	0.272	U,G	2.04
BP-13-15-SL	-0.00978	U,G	0.134	0.0577	U,G	0.849	-0.146	U,G	0.291	-0.149	U,G	0.306	-1.91	U,G	3.46
BP-13-25-SL	0.0457	U,G	0.149	0	U,G	0.942	-0.0511	U,G	0.321	0.062	U,G	0.264	-0.55	U,G	3.1
BP-13-35-SL	-0.0319	U,G	0.112	0.152	U,G	0.686	-0.00406	U,G	0.291	0.0173	U,G	0.185	0.26	U,G	1.8
BP-17-05-SL	-0.0375	U,G	0.144	0.0319	U,G	0.913	-0.0872	U,G	0.251	0.0305	U,G	0.261	0.253	U,G	2.84
BP-17-15-SL	-0.0045	U	0.0948	-0.345	U	0.732	-0.137	U	0.225	-0.0303	U	0.174	-0.349	U	1.91
BP-17-23-SL	0.0222	U,G	0.118	-0.00469	U,G	0.753	0.0375	U,G	0.204	-0.0277	U,G	0.225	-0.264	U,G	2.02
BP-17-31-SL	0.0407	U,G	0.139	0.364	U,G	0.829	0.0474	U,G	0.197	-0.0127	U,G	0.325	-0.852	U,G	2.63
BP-18-05-SL	0.019	U,G	0.135	-0.0306	U,G	0.925	-0.0505	U,G	0.373	0.0861	U,G	0.232	-0.197	U,G	2.31
BP-18-15-SL	-0.0328	U,G	0.161	0.163	U,G	0.945	-0.0127	U,G	0.358	-0.0156	U,G	0.266	-0.278	U,G	3.11
BP-18-25-SL	-0.0527	U,G	0.164	0.0954	U,G	1.01	-0.0105	U,G	0.36	0.0639	U,G	0.192	-0.613	U,G	2.61
BP-18-31-SL	-0.0339	U	0.0873	0.15	U	0.492	0.0364	U	0.217	0.00777	U	0.16	0.141	U	1.28
BP-19-05-SL	-0.0147	U	0.101	-0.177	U	0.641	0.00186	U	0.274	0.075	U	0.138	-0.647	U	1.8
BP-19-13-SL	-0.039	U	0.143	0.402	U	0.675	-0.0332	U	0.226	0.0504	U	0.215	-0.161	U	2.34
BP-19-25-SL	-0.032	U,G	0.105	0.0598	U,G	0.712	-0.0808	U,G	0.22	0.0391	U,G	0.181	-0.72	U,G	2.04
BP-19-29-SL	0.0228	U	0.119	0.136	U	0.802	0.0639	U	0.185	-0.104	U	0.301	-0.282	U	2.42
BP-20-03-SL	0	U	0.129	-0.377	U	0.865	0.0631	U	0.183	-0.0161	U	0.242	-0.0826	U	2.41
BP-20-19-SL	-0.0245	U,G	0.146	-0.144	U,G	0.89	0.0568	U,G	0.304	0.023	U,G	0.239	-0.743	U,G	2.5
BP-20-27-SL	-0.0101	U	0.0819	-0.233	U	0.631	0.00188	U	0.163	0.0103	U	0.148	0.292	U	1.22
BP-21-07-SL	-0.02	U,G	0.128	-0.773	U,G	1.02	0	U,G	0.279	-0.124	U,G	0.309	-0.93	U,G	2.91
BP-21-07-SL-FD	-0.0196	U	0.139	-0.0807	U	0.94	-0.124	U	0.344	-0.0216	U	0.224	0.266	U	2.13
BP-21-13-SL	-0.0413	U	0.102	0.172	U	0.613	-0.0247	U	0.223	-0.0434	U	0.196	-0.707	U	1.89
BP-21-24-SL	-0.0546	U,G	0.152	-0.0886	U,G	0.916	-0.0921	U,G	0.334	-0.0141	U,G	0.241	1.07	U,G	1.94
BP-21-34-SL	0.00333	U	0.102	0.077	U	0.617	-0.0254	U	0.216	-0.0206	U	0.172	0	U	2.28
BP-22-05-SL	0.0155	U,G	0.108	0.0574	U,G	0.671	-0.0192	U,G	0.208	-0.0104	U,G	0.24	0	U,G	2.15
BP-22-13-SL	-0.0042	U,G	0.143	0.352	U,G	0.677	0.00892	U,G	0.214	-0.12	U,G	0.232	0.175	U,G	2.05
BP-22-23-SL	0.0144	U	0.0977	-0.173	U	0.671	-0.0372	U	0.207	-0.0476	U	0.22	0.148	U	1.78
BP-22-33-SL	-0.0122	U	0.0997	0.145	U	0.606	0.00946	U	0.202	-0.0434	U	0.176	0.802	U	1.38
CB-02-05-SL	0.00307	U,G	0.131	-0.253	U,G	0.891	-0.148	U,G	0.26	-0.0112	U,G	0.238	0.0995	U,G	2.29
CB-02-05-SL-FD	-0.0362	U,G	0.172	-0.504	U,G	1.11	0.135	U,G	0.34	-0.0754	U,G	0.268	0.326	U,G	3.02
CB-02-15-SL	0.00152	U,G	0.126	-0.0883	U,G	0.855	-0.0548	U,G	0.219	0.0331	U,G	0.156	0.296	U,G	2.16
CB-02-25-SL	-0.0286	U,G	0.183	0.0594	U,G	0.862	0.0488	U,G	0.32	-0.0474	U,G	0.272	-0.614	U,G	2.93
DM-02-05-SL	-0.0312	U	0.187	-0.132	U	1.3	-0.103	U	0.276	0.0204	U	0.246	-1.1	U	3.14
DM-02-17-SL	0.0113	U,G	0.118	-0.524	U,G	0.916	-0.0307	U,G	0.329	-0.0258	U,G	0.216	0.394	U,G	2.42
DM-02-22-SL	0.109	U	0.328	-0.76	U	1.39	-0.0328	U	0.233	-0.0167	U	0.251	0.166	U	2.54
DM-02-33-SL	0.0138	U	0.243	-0.012	U	0.84	0.0945	U	0.168	0.00586	U	0.184	0.242	U	1.76
DM-03-05-SL	0.0174	U,G	0.106	-0.113	U,G	0.725	0.0206	U,G	0.226	0.0382	U,G	0.207	0.371	U,G	1.8
DM-03-05-SL-FD	-0.0275	U,G	0.157	0.0649	U,G	0.857	-0.0755	U,G	0.268	-0.00384	U,G	0.289	-0.304	U,G	3.4
DM-03-13-SL	0.00332	U,G	0.107	0.47	U,G	0.655	0.0539	U,G	0.265	-0.0403	U,G	0.232	0.177	U,G	1.99
DM-03-25-SL	-0.00528	U,G	0.16	-0.124	U,G	0.916	0	U,G	0.227	0.0258	U,G	0.277	0.834	U,G	2.79
DM-03-34-SL	0.00406	U,G	0.102	-0.255	U,G	0.677	0.0106	U,G	0.184	0.0488	U,G	0.193	0.452	U,G	1.57

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cerium-139			Cerium-144			Cesium-134			Cesium-137			Chromium-51		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
EP-13-03-SL	-0.116	UJ	0.168	0.271	UJ	0.749	-0.0825	UJ	0.216	-0.0443	UJ	0.208	-0.594	UJ	2.28
EP-13-13-SL	-0.0213	UJ	0.157	0.189	UJ	0.874	-0.0245	UJ	0.334	-0.0804	UJ	0.293	-1.09	UJ	3.44
EP-13-25-SL	-0.0198	UJ	0.121	-0.00493	UJ	0.728	0	UJ	0.216	-0.0887	UJ	0.223	0.496	UJ	2.28
EP-13-30-SL	0.0253	UJ	0.0834	0.0519	UJ	0.648	-0.0198	UJ	0.208	-0.0101	UJ	0.173	-0.104	UJ	1.93
EP-14-05-SL	0.123	U	0.157	0.0691	UJ	0.944	0.0268	UJ	0.294	-0.0574	UJ	0.333	0.954	UJ	2.84
EP-14-13-SL	0.025	UJ	0.119	-0.264	UJ	0.797	0.0912	UJ	0.159	0.011	UJ	0.208	-0.889	UJ	2.47
EP-14-25-SL	-0.0133	UJ	0.139	0.366	UJ	0.83	-0.01	UJ	0.219	-0.0848	UJ	0.251	-0.544	UJ	2.72
EP-14-31-SL	0.00961	UJ	0.106	0.152	UJ	0.582	-0.0236	UJ	0.187	-0.081	UJ	0.227	-0.378	UJ	2.23
EP-15-05-SL	-0.0249	U,G	0.178	-0.0918	U,G	0.901	0	U,G	0.251	-0.194	U,G	0.316	0.22	U,G	2.64
EP-15-13-SL	0.0305	U,G	0.14	0.179	U,G	0.816	-0.0783	U,G	0.25	-0.0474	U,G	0.279	0.322	U,G	2.93
EP-15-25-SL	-0.00863	U	0.106	-0.102	U	0.671	-0.0788	U	0.221	-0.0781	U	0.244	-0.19	U	2.52
EP-15-29-SL	-0.00214	U	0.14	-0.109	U	0.845	0.00893	U	0.294	-0.0108	U	0.224	0.882	U	2.25
EP-16-05-SL	0.03	U,G	0.117	0.316	U,G	0.722	-0.0343	U,G	0.335	0	U,G	0.19	0.779	U,G	1.96
EP-16-15-SL	-0.0417	U,G	0.117	0.409	U,G	0.678	0.0341	U,G	0.192	-0.0309	U,G	0.201	0.849	U,G	1.96
EP-16-27-SL	-0.0137	U	0.0922	-0.234	U	0.467	-0.029	U	0.174	-0.00876	U	0.115	-0.562	U	1.66
EP-17-05-SL	-0.0217	U,G	0.162	-0.224	U,G	1.01	-0.0124	U,G	0.271	0.0415	U,G	0.284	0.283	U,G	3.17
EP-17-15-SL	0.0391	U,G	0.137	0.468	U,G	0.717	0	U,G	0.24	0.0116	U,G	0.233	0.525	U,G	2.68
EP-17-25-SL	-0.0404	U,G	0.172	-0.272	U,G	1.03	-0.0132	U,G	0.265	-0.179	U,G	0.381	-0.928	U,G	3.79
EP-17-30-SL	-0.0116	U	0.126	0.0519	U	0.742	-0.0085	U	0.209	0.0515	U	0.164	-0.467	U	2.34
EP-18-09-SL	-0.0114	UJ	0.163	0.303	UJ	1.02	-0.0131	UJ	0.254	0.0978	UJ	0.258	-0.86	UJ	3.53
EP-18-09-SL-FD	-0.105	UJ	0.133	-0.563	UJ	0.814	0.3	UJ	1.9	0.0376	UJ	0.192	0.746	UJ	1.73
EP-18-15-SL	0.0463	UJ	0.105	0.0879	UJ	0.815	0.0513	UJ	0.217	-0.0637	UJ	0.243	-0.111	UJ	2.44
EP-18-29-SL	-0.0266	UJ	0.141	-0.189	UJ	0.914	0.0857	UJ	0.184	0.0392	UJ	0.293	0.909	UJ	2.39
EP-19-05-SL	0.0322	UJ	0.183	0.109	UJ	0.796	0.0253	UJ	0.318	-0.0707	UJ	0.234	-0.0474	UJ	1.96
EP-19-13-SL	0.0233	UJ	0.121	0	UJ	0.877	-0.168	UJ	0.266	-0.0291	UJ	0.233	-0.305	UJ	2.27
EP-19-25-SL	-0.02	UJ	0.11	-0.324	UJ	0.825	0.0112	UJ	0.237	0.0204	UJ	0.195	-0.206	UJ	2.28
EP-19-31-SL	0.0223	UJ	0.112	-0.0611	UJ	0.745	0.0765	UJ	0.3	0.0372	UJ	0.181	-0.233	UJ	1.91
EP-20-05-SL	0.0233	U,G	0.109	-0.348	U,G	0.813	-0.0853	U,G	0.329	-0.0651	U,G	0.238	-1.06	U,G	1.95
EP-20-15-SL	-0.0511	U,G	0.154	0.304	U,G	0.881	0.0118	U,G	0.223	-0.0706	U,G	0.234	0.0572	U,G	2.63
EP-20-25-SL	-0.0372	U,G	0.119	-0.147	U,G	0.756	-0.0521	U,G	0.315	0.0149	U,G	0.187	0.343	U,G	1.75
LF-06-05-SL	0.00378	U,G	0.112	0.228	U,G	0.648	0.0492	U,G	0.155	0.0249	U,G	0.189	-0.465	U,G	2.14
LF-06-13-SL	-0.00028	U,G	0.115	0.0157	U,G	0.741	0.0979	U,G	2.07	-0.0692	U,G	0.234	-0.312	U,G	1.93
LF-06-27-SL	-0.0105	U,G	0.113	-0.0448	U,G	0.749	-0.0877	U,G	0.304	0.0985	U,G	0.176	0.849	U,G	1.64
LF-06-32-SL	-0.00846	U,G	0.0947	0.212	U,G	0.593	0.0112	U,G	0.281	-0.0347	U,G	0.19	-0.846	U,G	1.74
LF--07-09-SL	-0.0263	U,G	0.114	0.471	U,G	0.666	-0.0107	U,G	0.225	0.0332	U,G	0.208	-0.848	U,G	2.36
LF-07-15-SL	0.0148	U,G	0.11	-0.239	U,G	0.765	-0.00888	U,G	0.245	0.00405	U,G	0.228	-0.618	U,G	2.17
LF-07-25-SL	-0.029	U,G	0.164	-0.34	U,G	0.97	-0.0712	U,G	0.304	0.0247	U,G	0.215	0.208	U,G	2.39
LF-07-34-SL	0.00515	U,G	0.118	-0.0917	U,G	0.794	-0.0357	U,G	0.232	-0.0146	U,G	0.249	-0.176	U,G	2.69
LF-08-05-SL	0.016	U,G	0.163	-0.0316	U,G	1.01	-0.148	U,G	0.302	0.256	U,G	0.257	0.727	U,G	1.88
LF-08-05-SL-FD	-0.00542	U,G	0.107	-0.0751	U,G	0.727	0.0277	U,G	0.186	0.166	U,G	0.177	-0.954	U,G	1.95
LF-08-15-SL	-0.0433	U,G	0.124	0.00968	U,G	0.681	-0.0271	U,G	0.187	-0.0328	U,G	0.206	-0.475	U,G	2.24
LF-08-21-SL	0.031	U,G	0.169	0.0965	U,G	0.879	-0.127	U,G	0.41	-0.0901	U,G	0.267	-0.977	U,G	2.87
LF-08-37-SL	0.0149	U,G	0.111	-0.176	U,G	0.706	-0.0572	U,G	0.223	-0.0035	U,G	0.263	-0.169	U,G	2.59

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cerium-139			Cerium-144			Cesium-134			Cesium-137			Chromium-51		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
LF-09-03-SL	-0.0493	U,G	0.138	-0.157	U,G	0.824	0.0303	U,G	0.216	0.0245	U,G	0.194	0	U,G	2.44
LF-09-17-SL	0.0264	U,G	0.143	0.614	U,G	0.839	-0.0607	U,G	0.262	0	U,G	0.262	-0.517	U,G	2.48
LF-09-25-SL	-0.0516	U,G	0.134	0.282	U,G	0.783	0.0779	U,G	0.196	0.106	U,G	0.244	0.513	U,G	1.93
LF-09-31-SL	-0.00788	U,G	0.119	0.193	U,G	0.587	0.0543	U,G	0.151	-0.044	U,G	0.221	0.186	U,G	2.08
NB-28-04-SL	-0.0203	U,G	0.12	-0.182	U,G	0.855	0.0149	U,G	0.202	0.039	U,G	0.182	0	U,G	2.61
NB-28-14-SL	0.0106	U,G	0.128	0	U,G	0.806	-0.0597	U,G	0.255	-0.0309	U,G	0.261	-0.419	U,G	3.47
NB-28-24-SL	0.0281	U,G	0.0987	0.0435	U,G	0.661	-0.032	U,G	0.282	-0.0036	U,G	0.17	0.201	U,G	2.12
NB-28-35-SL	-0.0552	U,G	0.108	-0.0578	U,G	0.602	-0.112	U,G	0.282	0.0192	U,G	0.163	-0.433	U,G	1.88
NB-29-05-SL	0.0444	U,G	0.152	-0.162	U,G	0.938	0	U,G	0.226	-0.0586	U,G	0.339	0.0968	U,G	3.24
NB-29-14-SL	0.0461	U,G	0.084	-0.014	U,G	0.594	-0.0662	U,G	0.254	0.0995	U,G	0.143	-0.0486	U,G	1.85
NB-29-22-SL	0.0289	U	0.0818	0.178	U	0.441	-0.0697	U	0.185	-0.0304	U	0.176	-0.171	U	1.49
NB-30-05-SL	0.00919	U,G	0.16	-0.289	U,G	1.03	-0.0634	U,G	0.248	0.0642	U,G	0.25	0.325	U,G	3.1
NB-30-15-SL	-0.0755	U,G	0.172	-0.0309	U,G	1	-0.162	U,G	0.405	0.074	U,G	0.224	1.15	U,G	2.4
NB-30-25-SL	0.0377	U,G	0.154	0.191	U,G	0.886	0.0497	U,G	0.265	0.00759	U,G	0.309	-1.19	U,G	3.34
NB-30-33-SL	-0.0418	U,G	0.131	0.0831	U,G	0.732	0.0547	U,G	0.214	0	U,G	0.248	-0.281	U,G	2.47
NB-31-05-SL	0	U,G	0.148	0.237	U,G	0.909	-0.0527	U,G	0.265	-0.143	U,G	0.361	-0.737	U,G	3.55
NB-31-15-SL	-0.0217	U,G	0.118	0.00937	U,G	0.723	0.0699	U,G	0.181	-0.0951	U,G	0.231	-0.831	U,G	2.35
NB-31-27-SL	0.0137	U,G	0.143	-0.0878	U,G	1.01	0.0289	U,G	0.211	-0.0234	U,G	0.25	-1.09	U,G	2.99
NB-31-32-SL	-0.0602	U,G	0.144	-0.327	U,G	0.9	0.0116	U,G	0.254	-0.0991	U,G	0.326	0.84	U,G	2.2
NB-32-05-SL	-0.00532	U,G	0.145	0.221	U,G	0.903	-0.0737	U,G	0.262	-0.0507	U,G	0.294	-1.41	U,G	3.29
NB-32-15-SL	-0.0103	U,G	0.139	-0.245	U,G	0.949	-0.0477	U,G	0.267	-0.0674	U,G	0.307	-1.31	U,G	2.99
NB-32-27-SL	-0.014	U,G	0.111	0.238	U,G	0.664	-0.0541	U,G	0.209	-0.0228	U,G	0.193	-0.895	U,G	2.24
NB-32-33-SL	-0.00491	U,G	0.125	0.0874	U,G	0.715	0.0113	U,G	0.214	-0.0902	U,G	0.282	0.632	U,G	2.48
NB-33-05-SL	-0.00577	U,G	0.105	-0.353	U,G	0.846	0.0625	U,G	0.215	0.0083	U,G	0.208	0.0922	U,G	1.96
NB-33-15-SL	-0.00521	U,G	0.149	-0.154	U,G	0.896	-0.0601	U,G	0.283	-0.0165	U,G	0.264	-0.71	U,G	2.94
NB-33-27-SL	0.00492	U	0.0866	0.00803	U	0.564	-0.0853	U	0.179	-0.0248	U	0.198	-0.0786	U	1.58
NB-34-05-SL	0.0263	U,G	0.137	0	U,G	0.839	-0.146	U,G	0.321	0.0891	U,G	0.254	0.877	U,G	2.83
NB-34-15-SL	-0.00787	U,G	0.118	0.135	U,G	0.749	-0.0462	U,G	0.213	0.00274	U,G	0.238	-0.0914	U,G	2.33
NB-34-25-SL	0.0213	U	0.114	0.0253	U	0.632	-0.0295	U	0.198	0.0255	U	0.194	-0.468	U	2.35
NB-35-01-SL	0	U,G	0.138	-0.0615	U,G	0.84	0.0361	U,G	0.242	-0.127	U,G	0.31	-0.368	U,G	2.46
NB-35-15-SL	-0.0147	U,G	0.142	0.147	U,G	0.886	-0.0573	U,G	0.251	-0.00878	U,G	0.296	-0.193	U,G	2.56
NB-35-25-SL	-0.0345	U,G	0.125	-0.141	U,G	0.819	-0.0528	U,G	0.224	0.0107	U,G	0.194	0.604	U,G	1.62
NB-36-05-SL	-0.0454	U,G	0.115	-0.233	U,G	0.77	-0.0428	U,G	0.293	-0.0622	U,G	0.249	-0.168	U,G	2.22
NB-36-15-SL	0.0484	U,G	0.13	-0.318	U,G	0.851	-0.102	U,G	0.299	-0.0485	U,G	0.282	-1.23	U,G	2.88
NB-36-27-SL	0.0282	U	0.133	0.197	U	0.743	0	U	0.234	-0.0185	U	0.264	-0.505	U	2.52
NB-37-05-SL	-0.019	U,G	0.157	-0.0585	U,G	0.885	-0.0386	U,G	0.324	-0.0704	U,G	0.299	0.193	U,G	2.84
NB-37-15-SL	0.0098	U,G	0.127	0.204	U,G	0.783	0.0909	U,G	0.198	0.0208	U,G	0.283	-0.383	U,G	2.51
NB-37-25-SL	0.0465	U,G	0.132	-0.0271	U,G	0.891	-0.0447	U,G	0.248	0.0326	U,G	0.212	-0.179	U,G	2.28
NB-38-09-SL	-0.017	U,G	0.106	0.0541	U,G	0.694	-0.205	U,G	0.31	-0.0708	U,G	0.204	0.0392	U,G	1.74
NB-38-15-SL	0.026	U	0.0984	-0.132	U	0.686	-0.102	U	0.273	0.00333	U	0.183	0.0381	U	1.65
NB-38-25-SL	-0.00886	U	0.106	0	U	0.659	0.162	U	1.9	-0.0399	U	0.192	0.157	U	1.47
NB-39-05-SL	-0.0319	U,G	0.159	0.183	U,G	0.885	-0.0701	U,G	0.286	0.0243	U,G	0.252	-0.967	U,G	2.79
NB-39-15-SL	-0.0416	U,G	0.111	0.405	U,G	0.633	-0.0804	U,G	0.219	0.0363	U,G	0.196	0	U,G	1.97

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cerium-139			Cerium-144			Cesium-134			Cesium-137			Chromium-51		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-39-25-SL	0.0197	U,G	0.137	-0.261	U,G	0.9	-0.0451	U,G	0.247	-0.108	U,G	0.308	-1.11	U,G	3.11
NB-39-30-SL	0.0265	U,G	0.157	0.029	U,G	0.725	-0.0285	U,G	0.247	-0.15	U,G	0.305	-0.409	U,G	2.6
NB-40-05-SL	0.015	U,G	0.14	0.264	U,G	0.815	0.0682	U,G	0.249	0.0555	U,G	0.237	-0.561	U,G	2.84
NB-40-05-SL-FD	-0.00649	U	0.106	-0.218	U	0.667	-0.0668	U	0.281	-0.0603	U	0.202	0.388	U	1.86
NB-40-17-SL	0.0023	U,G	0.138	0.117	U,G	0.907	-0.0767	U,G	0.286	0.0929	U,G	0.241	-0.843	U,G	2.97
NB-40-25-SL	0.0221	U	0.104	-0.13	U	0.699	-0.0403	U	0.215	0.0154	U	0.267	-0.107	U	2.22
NB-40-31-SL	0.0382	U	0.072	-0.0368	U	0.562	0.113	U	0.228	-0.0123	U	0.154	-0.349	U	1.48
NB-41-05-SL	-0.087	U	0.152	0.317	U	0.818	0.026	U	0.204	0.0105	U	0.23	-0.465	U	2.74
NB-41-13-SL	0.0117	U	0.0874	-0.161	U	0.685	-0.0178	U	0.179	-0.0381	U	0.221	-0.184	U	1.92
NB-41-19-SL	0.0267	U,G	0.0988	-0.104	U,G	0.637	-0.164	U,G	0.316	0.0025	U,G	0.184	-0.509	U,G	1.98
NB-42-05-SL	0.00609	U,G	0.112	-0.112	U,G	0.762	-0.0261	U,G	0.205	0.021	U,G	0.198	-0.77	U,G	2.16
NB-42-13-SL	0.0128	U	0.098	-0.0503	U	0.698	0.0488	U	0.196	-0.0387	U	0.224	0.236	U	1.94
NB-42-23-SL	-0.0158	U	0.124	-0.297	U	0.561	-0.123	U	0.256	-0.0114	U	0.154	0.115	U	1.48
NB-43-05-SL	-0.05	U,G	0.114	-0.0315	U,G	0.665	0.0586	U,G	0.178	-0.0101	U,G	0.183	-1.02	U,G	2.57
NB-43-13-SL	-0.0598	U	0.128	-0.377	U	0.703	-0.0232	U	0.186	-0.00938	U	0.205	-0.749	U	2.27
NB-44-05-SL	0.021	U	0.0941	0.124	U	0.568	0.0576	U	0.16	-0.0601	U	0.21	-0.0994	U	2.07
NB-44-05-SL-FD	0.00224	U,G	0.0908	0.218	U,G	0.586	-0.0883	U,G	0.279	0.0639	U,G	0.163	-0.254	U,G	1.75
NB-44-11-SL	-0.013	U	0.0794	-0.104	U	0.52	0.00687	U	0.154	0.0083	U	0.138	0.685	U	1.43
NB-44-18-SL	-0.0269	U	0.13	-0.0239	U	0.684	-0.0314	U	0.188	-0.0381	U	0.191	0.592	U	1.85
NB-45-05-SL	0.0617	U,G	0.14	0.397	U,G	0.795	-0.0514	U,G	0.302	0.145	U,G	0.238	0.177	U,G	3.13
NB-45-05-SL-FD	-0.0566	U,G	0.169	0.134	U,G	0.898	-0.143	U,G	0.298	0.093	U,G	0.284	-0.112	U,G	3.25
NB-45-13-SL	0.085	U,G	0.122	0.251	U,G	0.769	-0.073	U,G	0.273	-0.106	U,G	0.352	-0.735	U,G	3.06
NB-45-25-SL	0.0168	U,G	0.156	-0.0331	U,G	0.89	-0.0385	U,G	0.266	-0.241	U,G	0.39	-1.82	U,G	3.62
NB-45-33-SL	0.0227	U	0.0852	0.119	U	0.613	0.03	U	0.229	-0.0155	U	0.163	-0.329	U	1.77
NB-46-09-SL	-0.00468	U	0.13	0.0276	U	0.855	-0.0964	U	0.273	-0.0768	U	0.293	0.738	U	2.89
NB-46-17-SL	-0.012	U,G	0.102	-0.196	U,G	0.658	-0.144	U,G	0.293	0.0351	U,G	0.172	0.303	U,G	1.66
NB-46-25-SL	-0.037	U,G	0.155	-0.226	U,G	0.929	-0.176	U,G	0.396	0.169	U,G	0.204	-0.798	U,G	2.85
NB-46-29-SL	0.00195	U,G	0.101	0.336	U,G	0.592	-0.0101	U,G	0.282	-0.0578	U,G	0.22	-0.173	U,G	2.08
NB-47-05-SL	0.0194	U	0.0989	-0.203	U	0.76	0.064	U	0.161	0.0676	U	0.145	-0.271	U	2.26
NB-47-15-SL	0.0852	U,G	0.0933	-0.104	U,G	0.727	0.0669	U,G	0.191	0.0619	U,G	0.215	0.789	U,G	2.42
NB-47-25-SL	-0.102	U,G	0.18	0.0334	U,G	0.884	0.0648	U,G	0.226	-0.111	U,G	0.364	0.912	U,G	3.05
NB-47-31-SL	0.00538	U,G	0.117	-0.376	U,G	0.881	-0.0551	U,G	0.225	-0.0997	U,G	0.236	0.207	U,G	1.95
NB-48-05-SL	0.0376	U,G	0.14	0.551	U,G	0.788	0.0722	U,G	0.262	0.0219	U,G	0.252	0.793	U,G	2.71
NB-48-11-SL	-0.0207	U,G	0.112	-0.0935	U,G	0.696	0	U,G	0.197	-0.181	U,G	0.303	-0.84	U,G	2.46
NB-48-15-SL	0.00522	U,G	0.15	-0.0615	U,G	0.917	0.0715	U,G	0.261	0.0291	U,G	0.248	-0.504	U,G	3.13
NB-48-25-SL	0.0122	U,G	0.116	0.329	U,G	0.683	-0.0516	U,G	0.206	-0.0208	U,G	0.209	0	U,G	2.33
NB-48-35-SL	0.0553	U,G	0.141	-0.139	U,G	0.941	0.0182	U,G	0.244	0.0661	U,G	0.192	0.3	U,G	2.64
NB-49-05-SL	-0.0359	U,G	0.171	0.156	U,G	0.879	0.0307	U,G	0.271	-0.0497	U,G	0.279	-0.439	U,G	2.75
NB-49-05-SL-FD	-0.0103	U,G	0.147	-0.243	U,G	0.919	-0.059	U,G	0.265	-0.0234	U,G	0.303	0.833	U,G	2.63
NB-49-15-SL	0.0288	U,G	0.164	0	U,G	0.948	0.0903	U,G	0.256	0.0487	U,G	0.259	1.29	U,G	2.7
NB-49-25-SL	-0.0015	U,G	0.119	0.102	U,G	0.76	-0.0515	U,G	0.238	-0.0156	U,G	0.222	-0.499	U,G	2.35
NB-49-37-SL	0.0497	U,G	0.114	0.147	U,G	0.839	-0.114	U,G	0.249	-0.0625	U,G	0.282	-0.745	U,G	3.07
NB-50-05-SL	0.00152	U,G	0.139	0.291	U,G	0.821	0.0478	U,G	0.234	0.0464	U,G	0.24	-0.411	U,G	2.71

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cerium-139			Cerium-144			Cesium-134			Cesium-137			Chromium-51		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-50-15-SL	0.00946	U,G	0.12	-0.0377	U,G	0.748	-0.042	U,G	0.236	-0.0166	U,G	0.224	-0.581	U,G	2.6
NB-50-25-SL	0	U,G	0.146	0.276	U,G	0.796	-0.0357	U,G	0.239	0.0436	U,G	0.248	-0.123	U,G	3.06
NB-50-37-SL	-0.00612	U	0.0972	-0.00438	U	0.647	0.057	U	0.164	0.0492	U	0.139	0.45	U	1.63
NB-51-05-SL	0.0712	U,G	0.112	0.172	U,G	0.705	0.0345	U,G	0.207	-0.0208	U,G	0.203	-0.286	U,G	2.29
NB-51-13-SL	0.0566	U,G	0.134	0.0901	U,G	0.896	0.158	U,G	0.198	0.0478	U,G	0.255	-1.7	U,G	3.12
NB-51-25-SL	-0.0252	U,G	0.109	0.5	U,G	0.732	-0.0179	U,G	0.214	0.0551	U,G	0.218	0.306	U,G	1.77
NB-51-37-SL	-0.00666	U,G	0.116	0.00954	U,G	0.795	-0.00887	U,G	0.167	-0.0321	U,G	0.228	-0.883	U,G	2.41
NB-52-05-SL	0.0431	U,G	0.14	-0.223	U,G	0.898	0.0495	U,G	0.241	0.034	U,G	0.229	0.0835	U,G	2.79
NB-52-13-SL	0.0913	U,G	0.14	-0.0299	U,G	0.916	0.00983	U,G	0.293	0	U,G	0.24	-0.931	U,G	2.69
NB-52-25-SL	0.0107	U,G	0.118	0.28	U,G	0.832	-0.0361	U,G	0.256	-0.0454	U,G	0.262	-0.503	U,G	2.46
NB-52-35-SL	-0.0259	U,G	0.142	0.337	U,G	0.752	0.0834	U,G	0.224	-0.107	U,G	0.285	1.02	U,G	2.22
NB-53-05-SL	-0.0214	U,G	0.107	-0.0322	U,G	0.739	0.103	U,G	0.149	-0.0414	U,G	0.208	0.464	U,G	1.92
NB-53-13-SL	-0.081	U,G	0.125	0.118	U,G	0.686	-0.00211	U,G	0.261	0.00642	U,G	0.201	0.53	U,G	1.88
NB-53-23-SL	0.0217	U,G	0.141	-0.0962	U,G	0.944	-0.0125	U,G	0.251	-0.0666	U,G	0.298	-0.105	U,G	3.51
NB-53-33-SL	0.038	U,G	0.0954	-0.0908	U,G	0.676	-0.0989	U,G	0.226	-0.00379	U,G	0.198	-0.267	U,G	1.95
NB-54-05-SL	0.00074	U,G	0.138	0	U,G	0.852	0.0281	U,G	0.235	-0.0797	U,G	0.285	-1.09	U,G	2.7
NB-54-13-SL	-0.0562	U,G	0.185	-0.0624	U,G	0.906	-0.164	U,G	0.297	-0.0497	U,G	0.272	-1.3	U,G	3.02
NB-54-25-SL	0.0312	U,G	0.128	-0.0923	U,G	0.813	-0.0717	U,G	0.262	-0.0748	U,G	0.346	-0.305	U,G	3.26
NB-54-31-SL	0.044	U	0.0843	0.216	U	0.508	-0.0993	U	0.238	0.0516	U	0.143	-0.226	U	1.73
NB-55-05-SL	-0.0204	U,G	0.148	-0.18	U,G	0.835	0	U,G	0.242	-0.0481	U,G	0.279	-0.279	U,G	2.66
NB-55-13-SL	0.0594	U,G	0.125	0.0575	U,G	0.823	-0.0378	U,G	0.25	0.115	U,G	0.238	0.703	U,G	2.14
NB-55-25-SL	-0.0198	U,G	0.151	0.438	U,G	0.81	0.0227	U,G	0.235	0	U,G	0.236	1.43	U,G	2.23
NB-55-33-SL	0.0204	U	0.0894	-0.246	U	0.684	-0.0147	U	0.176	0.0178	U	0.141	0.236	U	1.63
NB-56-05-SL	-0.0445	U	0.117	-0.122	U	0.662	-0.0451	U	0.208	0.0393	U	0.154	-0.25	U	1.96
NB-56-13-SL	-0.0358	U,G	0.154	-0.116	U,G	0.869	-0.124	U,G	0.34	0.0232	U,G	0.247	-0.102	U,G	2.84
NB-56-25-SL	0.0226	U,G	0.12	0.0615	U,G	0.78	0.107	U,G	0.281	0.00554	U,G	0.225	-1.16	U,G	2.69
NB-56-33-SL	-0.0123	U	0.123	-0.0741	U	0.717	-0.0567	U	0.199	0	U	0.204	-0.348	U	2
NB-57-05-SL	-0.0876	U,G	0.18	-0.177	U,G	0.879	-0.106	U,G	0.392	-0.118	U,G	0.282	1.52	U,G	2.22
NB-57-05-SL-FD	-0.00592	U,G	0.143	-0.142	U,G	0.932	-0.0653	U,G	0.356	-0.158	U,G	0.319	-0.881	U,G	2.96
NB-57-15-SL	0.00517	U,G	0.137	0.113	U,G	0.799	-0.112	U,G	0.313	-0.0452	U,G	0.254	-1.17	U,G	3
NB-57-29-SL	-0.00533	U,G	0.106	-0.0996	U,G	0.763	0.0125	U,G	0.299	0.0533	U,G	0.154	-0.783	U,G	2.22
NB-57-34-SL	-0.00145	U,G	0.128	-0.0835	U,G	0.841	-0.0549	U,G	0.307	0.0111	U,G	0.201	0.384	U,G	2.36
NB-58-05-SL	-0.0117	U,G	0.0955	0.189	U,G	0.73	-0.0682	U,G	0.235	-0.0842	U,G	0.243	0.452	U,G	1.98
NB-58-15-SL	-0.11	U,G	0.176	-0.522	U,G	1.09	-0.0302	U,G	0.359	-0.0367	U,G	0.238	0.424	U,G	3.04
NB-58-29-SL	-0.0241	U,G	0.123	0.242	U,G	0.678	-0.1	U,G	0.252	-0.0278	U,G	0.226	-0.382	U,G	2.09
NB-58-36-SL	-0.0398	U,G	0.149	0.381	U,G	0.707	-0.0358	U,G	0.219	-0.0326	U,G	0.197	-0.847	U,G	2.77
NB-59-05-SL	-0.0164	U,G	0.111	-0.223	U,G	0.759	-0.119	U,G	0.233	-0.00391	U,G	0.204	-0.269	U,G	2.2
NB-59-13-SL	0.0136	U,G	0.154	0.693	U,G	0.789	-0.133	U,G	0.379	-0.104	U,G	0.27	0.609	U,G	2.54
NB-59-25-SL	0.00797	U,G	0.108	-0.0603	U,G	0.734	-0.0539	U,G	0.211	-0.0164	U,G	0.212	0.441	U,G	2.03
NB-59-31-SL	-0.0494	U,G	0.128	-0.262	U,G	0.846	-0.113	U,G	0.283	0.102	U,G	0.195	-0.136	U,G	2.52
NB-60-05-SL	0.0635	U,G	0.0944	-0.299	U,G	0.8	0.125	U,G	0.18	-0.0337	U,G	0.259	-0.0871	U,G	1.91
NB-60-13-SL	0.0166	U,G	0.144	0.0992	U,G	0.918	0.0129	U,G	0.243	-0.0872	U,G	0.322	-1.07	U,G	3.36
NB-60-23-SL	0.012	U,G	0.104	0	U,G	0.7	0.00068	U,G	0.278	-0.0473	U,G	0.191	-0.458	U,G	1.66

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cerium-139			Cerium-144			Cesium-134			Cesium-137			Chromium-51		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-60-31-SL	-0.0159	U,G	0.122	-0.252	U,G	0.953	-0.0862	U,G	0.248	-0.104	U,G	0.244	1.04	U,G	1.79
NB-61-05-SL	-0.0603	U,G	0.178	0.283	U,G	0.787	0.0934	U,G	0.3	-0.193	U,G	0.32	0.466	U,G	2.19
NB-61-13-SL	0.00525	U,G	0.126	0.0625	U,G	0.826	0.0365	U,G	0.212	-0.0242	U,G	0.314	-0.566	U,G	2.84
NB-61-23-SL	-0.0255	U,G	0.155	-0.0545	U,G	0.886	0.0809	U,G	0.238	0.0874	U,G	0.226	-0.539	U,G	2.64
NB-61-28-SL	0.0225	U	0.0746	-0.00398	U	0.587	-0.0308	U	0.177	0.0304	U	0.142	0.152	U	1.49
NB-62-05-SL	0.0364	U,G	0.132	0.0919	U,G	0.752	0	U,G	0.224	-0.0599	U,G	0.261	-0.144	U,G	2.66
NB-62-12-SL	-0.0452	U,G	0.102	0.0806	U,G	0.645	-0.0776	U,G	0.261	0	U,G	0.17	0.786	U,G	1.39
NB-62-22-SL	0.0391	U,G	0.115	0	U,G	0.762	0.0783	U,G	0.195	-0.0205	U,G	0.278	0.0968	U,G	2.96
NB-63-05-SL	0.0431	U,G	0.15	-0.42	U,G	0.976	0	U,G	0.277	0.00582	U,G	0.218	-0.358	U,G	2.89
NB-63-13-SL	0.0197	U,G	0.131	-0.226	U,G	0.798	-0.00937	U,G	0.21	0.0457	U,G	0.181	-0.612	U,G	2.05
NB-63-19-SL	-0.0219	U	0.091	0.204	U	0.512	-0.0728	U	0.193	0.0213	U	0.144	-0.948	U	1.92
NB-64-05-SL	-0.023	U,G	0.109	0.0832	U,G	0.756	-0.125	U,G	0.294	-0.0662	U,G	0.241	-0.781	U,G	2.22
NB-64-13-SL	-0.04	U,G	0.137	-0.12	U,G	0.733	-0.0935	U,G	0.269	0.0645	U,G	0.185	1.14	U,G	2.38
NB-64-17-SL	0.00637	U,G	0.0725	-0.205	U,G	0.558	-0.0447	U,G	0.259	-0.021	U,G	0.178	0.0619	U,G	1.42
NB-65-05-SL	-0.0338	U,G	0.119	-0.27	U,G	0.74	-0.0126	U,G	0.229	0.0056	U,G	0.228	-0.103	U,G	2.02
NB-65-13-SL	-0.027	U,G	0.108	-0.00455	U,G	0.606	-0.00662	U,G	0.192	0.0175	U,G	0.211	-1.1	U,G	2.26
NB-65-17-SL	0.0101	U,G	0.128	-0.12	U,G	0.739	-0.0942	U,G	0.264	0.0758	U,G	0.219	0.233	U,G	2.16
NB-66-05-SL	0.0119	U,G	0.149	-0.428	U,G	1.05	0.014	U,G	0.263	-0.0278	U,G	0.36	0.834	U,G	2.79
NB-66-05-SL-FD	0.00646	U,G	0.148	-0.0773	U,G	0.986	-0.0909	U,G	0.314	-0.162	U,G	0.404	0.544	U,G	2.83
NB-66-15-SL	-0.0394	U,G	0.151	-0.412	U,G	0.889	0.039	U,G	0.229	0.0356	U,G	0.207	0.728	U,G	1.99
NB-66-19-SL	-0.0146	U	0.0829	0.0803	U	0.432	-0.0673	U	0.203	0.0417	U	0.134	-0.448	U	1.61
NB-67-05-SL	0.0597	U,G	0.13	-0.39	U,G	0.983	0	U,G	0.248	0.137	U,G	0.154	-1.24	U,G	2.78
NB-67-11-SL	0.0288	U,G	0.0902	0.153	U,G	0.556	0.0156	U,G	0.275	0.013	U,G	0.172	0.492	U,G	1.41
NB-67-21-SL	-0.0371	U	0.116	-0.162	U	0.728	-0.046	U	0.18	-0.0654	U	0.204	0.0729	U	1.75
NB-68-05-SL	0.026	U,G	0.101	0.106	U,G	0.712	0.454	U,G	1.69	0.0685	U,G	0.192	-0.576	U,G	1.71
NB-68-13-SL	-0.0442	U,G	0.144	0.147	U,G	0.829	-0.0346	U,G	0.239	-0.0353	U,G	0.287	-0.413	U,G	2.57
NB-68-17-SL	-0.0482	U,G	0.15	-0.317	U,G	0.8	-0.0191	U,G	0.234	0	U,G	0.248	-0.444	U,G	2.22
NB-68-25-SL	0.00859	U,G	0.115	0.257	U,G	0.723	0.02	U,G	0.23	0.0564	U,G	0.239	-0.48	U,G	2.2
NB-68-33-SL	0.019	U,G	0.116	0.227	U,G	0.725	0.0223	U,G	0.217	0.0444	U,G	0.207	-0.549	U,G	2.29
NB-69-05-SL	0.0438	U,G	0.0912	0.0138	U,G	0.674	-0.0336	U,G	0.279	-0.0305	U,G	0.172	0.262	U,G	1.44
NB-69-15-SL	0.0325	U,G	0.0853	0.242	U,G	0.589	0.0321	U,G	0.252	-0.0206	U,G	0.183	0.183	U,G	1.51
NB-69-22-SL	-0.0306	U,G	0.124	0	U,G	0.759	0.103	U,G	0.298	0.0196	U,G	0.195	-0.448	U,G	1.89
NB-69-34-SL	-0.0296	U	0.102	-0.134	U	0.609	-0.025	U	0.27	-0.0204	U	0.166	0.726	U	1.37
NB-70-05-SL	0.00994	U,G	0.107	0.145	U,G	0.691	0.00204	U,G	0.292	-0.0555	U,G	0.204	-0.316	U,G	1.67
NB-70-15-SL	0.0425	U,G	0.0966	-0.122	U,G	0.675	0.0415	U,G	0.201	-0.00778	U,G	0.226	-0.804	U,G	2.27
NB-70-23-SL	-0.0367	U,G	0.116	-0.0159	U,G	0.709	0.253	U,G	1.58	-0.00809	U,G	0.225	-0.22	U,G	1.94
NB-70-33-SL	0.039	U,G	0.103	0.0726	U,G	0.669	0.0142	U,G	0.282	-0.0713	U,G	0.22	-0.0804	U,G	1.65
NB-71-01-SL	0.0105	U,G	0.125	-0.265	U,G	0.855	0.0551	U,G	0.201	0	U,G	0.244	-0.449	U,G	2.29
NB-71-01-SL-FD	0.0565	U,G	0.152	-0.308	U,G	0.956	0.0306	U,G	0.296	0.0124	U,G	0.272	-1.36	U,G	2.85
NB-71-11-SL	-0.0815	U,G	0.147	0.286	U,G	0.866	0.0448	U,G	0.245	0.012	U,G	0.247	0.307	U,G	2.55
NB-71-27-SL	-0.00139	U,G	0.101	-0.136	U,G	0.616	0.0255	U,G	0.171	0.0206	U,G	0.155	0.332	U,G	1.25
NB-72-05-SL	-0.00958	U,G	0.141	-0.2	U,G	0.755	0.0661	U,G	0.212	0.104	U,G	0.192	-0.629	U,G	2.11
NB-72-11-SL	0.0367	U,G	0.127	0.0731	U,G	0.915	-0.0572	U,G	0.279	-0.145	U,G	0.33	-0.349	U,G	3.1

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cerium-139			Cerium-144			Cesium-134			Cesium-137			Chromium-51		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-72-19-SL	0.00689	U	0.0879	0.135	U	0.597	-0.105	U	0.264	0.0462	U	0.159	0.0418	U	1.66
NB-72-22-SL	-0.0344	U	0.105	-0.0257	U	0.667	-0.11	U	0.226	0.0231	U	0.221	-0.446	U	2.24
NB-73-05-SL	0.0547	U,G	0.129	0.0327	U,G	0.752	-0.0767	U,G	0.241	0.0686	U,G	0.221	-0.372	U,G	2.53
NB-73-13-SL	-0.0457	U,G	0.114	-0.0606	U,G	0.773	0	U,G	0.215	-0.0636	U,G	0.284	0.29	U,G	1.91
NB-73-23-SL	0.0137	U	0.117	0.0273	U	0.613	0	U	0.186	-0.0442	U	0.256	0.475	U	2.12
NB-74-05-SL	-0.0452	U,G	0.113	-0.106	U,G	0.77	0.178	U,G	1.94	-0.0141	U,G	0.216	0.514	U,G	1.76
NB-74-17-SL	0.0353	U,G	0.112	-0.1	U,G	0.793	-0.00936	U,G	0.234	0.0454	U,G	0.198	0	U,G	2.26
NB-74-25-SL	-0.02	U,G	0.157	-0.401	U,G	0.909	-0.00945	U,G	0.324	0.0345	U,G	0.231	1.48	U,G	2.26
NB-74-33-SL	-0.0245	U,G	0.09	-0.152	U,G	0.662	-0.0309	U,G	0.179	0.00851	U,G	0.175	-0.464	U,G	1.86
NB-75-08-SL	-0.0197	U,G	0.108	0.228	U,G	0.643	0.0341	U,G	0.172	-0.0413	U,G	0.214	-0.0876	U,G	2.01
NB-75-15-SL	-0.0283	U,G	0.162	0.245	U,G	0.707	0.018	U,G	0.206	0	U,G	0.182	0	U,G	2.41
NB-75-19-SL	0	U	0.0849	0.36	U	0.465	-0.0465	U	0.177	0.0241	U	0.124	0.235	U	1.48
NB-76-06-SL	-0.0288	U,G	0.118	-0.0857	U,G	0.641	-0.0944	U,G	0.232	-0.069	U,G	0.208	-0.0901	U,G	1.97
NB-76-10-SL	-0.0169	U	0.0755	-0.0712	U	0.537	0.00672	U	0.182	-0.0621	U	0.197	0.8	TI	0.783
NB-76-24-SL	-0.0169	U	0.097	-0.0504	U	0.566	0	U	0.164	0.00453	U	0.17	0.0452	U	1.66
NB-77-05-SL	-0.0259	U,G	0.0921	0.155	U,G	0.59	-0.0151	U,G	0.286	-0.0286	U,G	0.188	0.234	U,G	1.4
NB-77-13-SL	-0.0154	U	0.111	0.103	U	0.634	-0.0598	U	0.205	-0.0832	U	0.234	-0.571	U	2
NB-77-24-SL	-0.00391	U	0.0744	0.271	U	0.46	-0.0267	U	0.189	-0.0163	U	0.14	-0.202	U	1.51
NB-78-07-SL	-0.00554	U,G	0.144	0.364	U,G	0.828	-0.0388	U,G	0.318	-0.141	U,G	0.356	0.258	U,G	2.39
NB-78-11-SL	0.0073	U,G	0.0905	0.162	U,G	0.554	0.0686	U,G	0.255	0.032	U,G	0.172	-0.337	U,G	1.5
NB-78-18-SL	0.0102	U,G	0.112	-0.0569	U,G	0.772	0.08	U,G	0.179	0.0108	U,G	0.188	-0.437	U,G	2.1
NB-79-05-SL	0	U,G	0.122	-0.439	U,G	0.93	-0.0115	U,G	0.231	0.0106	U,G	0.265	0.218	U,G	2.02
NB-79-05-SL-FD	0.0373	U,G	0.104	0.116	U,G	0.703	0.0174	U,G	0.185	-0.0316	U,G	0.206	0	U,G	1.64
NB-79-11-SL	-0.0879	U,G	0.138	0.147	U,G	0.608	-0.092	U,G	0.231	-0.102	U,G	0.265	0.404	U,G	2.1
NB-79-24-SL	-0.00605	U	0.0851	-0.183	U	0.614	0.00387	U	0.197	-0.0154	U	0.199	0.642	U	1.44
NB-80-05-SL	-0.0333	U,G	0.121	0.057	U,G	0.839	0.0112	U,G	0.218	-0.0325	U,G	0.268	-0.0666	U,G	2.36
NB-80-11-SL	0.0636	U,G	0.0931	0.306	U,G	0.602	0.0372	U,G	1.93	-0.065	U,G	0.184	-0.113	U,G	1.58
NB-80-27-SL	-0.0326	U,G	0.13	-0.0844	U,G	0.816	-0.0279	U,G	0.263	0.0568	U,G	0.221	0.78	U,G	1.9
NB-81-09-SL	0.0357	U,G	0.0991	-0.24	U,G	0.701	0.0164	U,G	0.214	-0.0901	U,G	0.225	-0.146	U,G	1.8
NB-81-11-SL	0.0305	U,G	0.0974	-0.221	U,G	0.852	-0.046	U,G	0.212	-0.0508	U,G	0.231	0.385	U,G	1.4
NB-81-31-SL	0.00586	U,G	0.0847	0.0273	U,G	0.588	-0.0532	U,G	0.26	-0.0234	U,G	0.176	-0.242	U,G	1.36
NB-82-05-SL	-0.0235	U,G	0.145	-0.501	U,G	0.988	0.117	U,G	0.283	-0.0951	U,G	0.26	0.636	U,G	2.32
NB-82-11-SL	0.0389	U	0.0758	0.159	U	0.548	0.0149	U	0.243	0.0405	U	0.169	-0.252	U	1.47
NB-82-20-SL	-0.00552	U	0.0785	0.166	U	0.472	-0.048	U	0.186	0.0526	U	0.123	0.654	U	1.09
NB-83-05-SL	0.0366	U,G	0.133	0	U,G	0.981	-0.0286	U,G	0.269	-0.0395	U,G	0.426	-0.235	U,G	3.12
NB-83-11-SL	-0.00798	U,G	0.0915	0.152	U,G	0.561	0.0647	U,G	0.247	0.0106	U,G	0.157	-0.414	U,G	1.54
NB-83-23-SL	0.0262	U	0.0748	0.0482	U	0.481	-0.0107	U	0.153	-0.0226	U	0.186	0	U	1.41
NB-84-05-SL	-0.0649	U,G	0.159	0.106	U,G	0.937	0.0139	U,G	0.296	0.124	U,G	0.259	0	U,G	2.54
NB-84-15-SL	-0.0122	U,G	0.0999	0.261	U,G	0.596	-0.0692	U,G	0.297	-0.0037	U,G	0.184	0.424	U,G	1.31
NB-84-23-SL	0.0191	U,G	0.0778	-0.179	U,G	0.69	-0.101	U,G	0.226	0	U,G	0.162	-0.401	U,G	1.76
NB-84-33-SL	0.0283	U	0.0913	0.2	U	0.661	0.0331	U	0.266	0	U	0.183	0.0769	U	1.85
NB-85-05-SL	-0.0254	U,G	0.143	-0.0892	U,G	0.86	0.0206	U,G	0.22	0.0373	U,G	0.207	-0.367	U,G	2.75
NB-85-15-SL	-0.023	U,G	0.144	-0.026	U,G	0.792	-0.0193	U,G	0.216	0.0116	U,G	0.219	0	U,G	2.75

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cerium-139			Cerium-144			Cesium-134			Cesium-137			Chromium-51		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-85-25-SL	-0.0102	U,G	0.144	-0.357	U,G	0.919	-0.00986	U,G	0.247	0.0475	U,G	0.178	-0.821	U,G	2.76
NB-85-35-SL	-0.0192	U	0.0785	0.0348	U	0.495	0.0102	U	0.156	-0.028	U	0.161	-0.085	U	1.6
NB-86-05-SL	-0.0457	U,G	0.178	-0.153	U,G	1.01	0.0148	U,G	0.257	-0.0539	U,G	0.307	-3.04	U,G	4.38
NB-86-15-SL	-0.0065	U,G	0.125	-0.289	U,G	0.911	-0.0187	U,G	0.188	0.079	U,G	0.17	0.67	U,G	2.32
NB-86-19-SL	-0.0186	U,G	0.0983	0.142	U,G	0.622	0.123	U,G	0.27	-0.0359	U,G	0.209	-0.39	U,G	2.08
OA-18-03-SL	0.0424	U	0.0963	0.153	U	0.628	0.013	U	0.198	0.04	U	0.157	0	U	1.99
OA-18-17-SL	-0.028	U,G	0.116	0.1	U,G	0.642	0.0777	U,G	0.182	0.0587	U,G	0.192	0	U,G	1.96
OA-18-25-SL	0.016	U,G	0.138	0.126	U,G	0.891	0.0861	U,G	0.255	0.111	U,G	0.212	1.92	U,G	2.01
OA-18-33-SL	-0.029	U	0.0951	-0.0347	U	0.651	-0.0168	U	0.214	-0.102	U	0.22	-0.607	U	1.86
OA-19-05-SL	-0.00942	U	0.141	0.0838	U	0.763	0.152	U	0.197	-0.148	U	0.315	-0.394	U	2.54
OA-19-15-SL	0.0607	U,G	0.0938	-0.332	U,G	0.726	0.0122	U,G	0.207	0.0185	U,G	0.178	0	U,G	1.86
OA-19-25-SL	-0.0193	U,G	0.151	0.371	U,G	0.728	-0.0334	U,G	0.261	-0.0527	U,G	0.305	0.165	U,G	2.52
OA-19-33-SL	0.0119	U	0.0869	-0.18	U	0.649	0.0267	U	0.166	-0.0156	U	0.202	-0.242	U	1.77
PL-04-05-SL	-0.0179	U,G	0.157	-0.0601	U,G	0.92	-0.0496	U,G	0.296	-0.0241	U,G	0.25	0	U,G	2.38
PL-04-13-SL	0.00982	U,G	0.123	-0.292	U,G	0.896	0.0343	U,G	0.215	0.0594	U,G	0.212	-0.233	U,G	2.74
PL-04-23-SL	-0.0415	U	0.141	-0.347	U	0.924	0.0176	U	0.225	0.0214	U	0.241	0.259	U	2.28
PL-04-31-SL	-0.0102	U,G	0.107	-0.21	U,G	0.737	-0.0379	U,G	0.216	-0.0396	U,G	0.23	-0.59	U,G	1.94
PL-05-05-SL	-0.0384	U,G	0.112	0	U,G	0.741	-0.0682	U,G	0.205	0.031	U,G	0.208	0.0838	U,G	1.88
PL-05-15-SL	-0.0269	U	0.156	0.107	U	0.752	0.00882	U	0.241	-0.0752	U	0.202	0	U	2.03
PL-05-28-SL	-0.0478	U,G	0.115	-0.172	U,G	0.749	0.0349	U,G	0.164	-0.0106	U,G	0.176	-0.258	U,G	2.1
PL-06-07-SL	-0.00505	U,G	0.116	-0.383	U,G	0.831	0.0695	U,G	0.218	0.0204	U,G	0.196	0.0978	U,G	2.19
PL-06-13-SL	-0.0108	U,G	0.113	-0.0932	U,G	0.795	-0.167	U,G	0.27	-0.147	U,G	0.277	0	U,G	1.9
PL-06-17-SL	-0.0319	U,G	0.119	0.0669	U,G	0.796	0.0887	U,G	0.161	0.171	LT,G,T	0.151	0.401	U,G	2.51
PL-06-29-SL	-0.00821	U	0.0942	-0.079	U	0.633	-0.081	U	0.268	0.0231	U	0.147	0.334	U	1.5
PL-06-33-SL	-0.00199	U	0.106	0.0254	U	0.658	-0.00831	U	0.191	0.0101	U	0.196	0.823	U	1.84
RR-04-07-SL	-0.05	U,G	0.168	0.296	U,G	0.79	-0.0383	U,G	0.272	-0.102	U,G	0.317	0.301	U,G	3.05
RR-04-15-SL	0.0434	U,G	0.109	0.124	U,G	0.793	-0.0798	U,G	0.194	-0.0214	U,G	0.216	-0.478	U,G	2.3
RR-04-25-SL	0.0162	U,G	0.15	-0.096	U,G	0.801	0.0871	U,G	0.234	0.076	U,G	0.26	0.335	U,G	2.8
RR-05-05-SL	-0.0102	U,G	0.173	0.627	U,G	0.789	0.0392	U,G	0.284	0.0832	U,G	0.216	0.526	U,G	2.87
RR-05-05-SL-FD	0.0357	U,G	0.165	-0.211	U,G	1.03	-0.0681	U,G	0.274	0.0457	U,G	0.313	-0.234	U,G	3.32
RR-05-15-SL	0.0162	U,G	0.107	-0.465	U,G	0.863	-0.0618	U,G	0.193	-0.032	U,G	0.208	0.292	U,G	2.19
RR-05-25-SL	-0.0545	U,G	0.169	0.158	U,G	0.849	-0.0207	U,G	0.402	-0.0126	U,G	0.296	0.89	U,G	2.67
SW-02-01-SL	0.0324	U,G	0.359	-0.186	U,G	1.26	0.0881	U,G	0.228	0.0613	U,G	0.33	-0.729	U,G	2.19
SW-02-09-SL	0.00138	U,G	0.107	0.315	U,G	0.717	-0.06	U,G	0.237	0.0279	U,G	0.208	0.0869	U,G	1.95
SW-02-15-SL	0.112	U,G	0.132	0.0954	U,G	0.897	-0.0629	U,G	0.38	-0.051	U,G	0.24	1.05	U,G	2.73
SW-02-23-SL	0.0389	U,G	0.0976	-0.0995	U,G	0.744	-0.083	U,G	0.224	-0.0184	U,G	0.228	0.601	U,G	1.78
SW-05-08-SL	-0.0356	U,G	0.17	-0.245	U,G	0.96	-0.0997	U,G	0.285	0.012	U,G	0.21	-0.593	U,G	3.08
SW-05-12-SL	-0.0348	U,G	0.126	0.0387	U,G	0.806	0.0879	U,G	0.188	0.0378	U,G	0.235	-0.111	U,G	2.17
SW-06-05-SL	0.043	U,G	0.108	0.065	U,G	0.76	0.0185	U,G	0.208	-0.0111	U,G	0.194	0.771	U,G	2.22
SW-06-05-SL-FD	-0.0332	U,G	0.129	0.485	U,G	0.705	0.0674	U,G	0.202	-0.00704	U,G	0.237	0.107	U,G	2.28
SW-06-13-SL	0.0591	U,G	0.124	-0.0314	U,G	0.899	0.134	U,G	0.228	-0.085	U,G	0.321	0.496	U,G	3.02
SW-06-23-SL	0.0128	U,G	0.125	0	U,G	0.82	-0.0315	U,G	0.328	0.12	U,G	0.21	-0.866	U,G	2.43
SW-07-05-SL	0.0258	U,G	0.108	-0.258	U,G	0.839	0.00553	U,G	0.173	-0.00804	U,G	0.233	0.203	U,G	2.28

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cerium-139			Cerium-144			Cesium-134			Cesium-137			Chromium-51		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-07-15-SL	-0.0287	U,G	0.166	-0.0336	U,G	1.04	-0.0649	U,G	0.312	-0.109	U,G	0.354	1.59	U,G	2.24
SW-07-23-SL	-0.0815	U,G	0.136	-0.0162	U,G	0.753	0.012	U,G	0.31	0.0554	U,G	0.21	-0.594	U,G	2.5
SW-08-03-SL	-0.00517	U,G	0.15	0.183	U,G	0.806	0.0355	U,G	0.223	0.0596	U,G	0.234	-0.976	U,G	3.46
SW-08-05-SL	0.00682	U,G	0.149	0.753	U,G	0.779	-0.152	U,G	0.357	-0.0115	U,G	0.225	0.306	U,G	2.78
SW-08-15-SL	-0.0516	U,G	0.171	-0.0338	U,G	1.02	-0.144	U,G	0.309	0.016	U,G	0.274	0.677	U,G	3.37
SW-08-25-SL	0.00777	U	0.088	-0.0501	U	0.567	0.00777	U	0.156	-0.0188	U	0.183	-0.343	U	1.78

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60			Europium-152		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-13-09-SL	0.0733	U,G	0.573	-0.00202	U,G	0.0978	-0.0667	U,G	0.265	0.0467	U,G	0.229	-0.527	U,G	1.54
BD-13-15-SL	0.313	U,G	0.532	-0.0309	U,G	0.0984	-0.0492	U,G	0.264	0.0318	U,G	0.27	0.315	U,G	1.24
BD-13-23-SL	0.0665	U,G	0.563	0.0197	U,G	0.0994	-0.0146	U,G	0.284	-0.0571	U,G	0.298	0.673	U,G	1.06
BD-13-30-SL	0.0188	U,G	0.424	-0.0354	U,G	0.1	-0.0257	U,G	0.222	0.0824	U,G	0.153	0.163	U,G	1.07
BD-14-05-SL	0.154	U,G	0.504	-0.0109	U,G	0.0993	0.046	U,G	0.234	-0.0473	U,G	0.333	0.236	U,G	1.27
BD-14-13-SL	0.0635	U,G	0.454	0.0163	U,G	0.0871	0	U,G	0.204	-0.0306	U,G	0.24	0.083	U,G	1.29
BD-14-25-SL	-0.109	U	0.657	0.0137	U	0.0891	-0.0317	U	0.283	-0.0446	U	0.268	-0.334	U	1.77
BD-14-31-SL	0.221	U	0.397	-0.0243	U	0.101	-0.0187	U	0.266	0.0451	U	0.243	-0.451	U	1.79
BD-15-05-SL	0.257	U,G	0.459	-0.00983	U,G	0.0985	-0.169	U,G	0.292	-0.00279	U,G	0.277	0.445	U,G	1.1
BD-15-17-SL	-0.234	U,G	0.943	-0.00882	U,G	0.128	-0.168	U,G	0.38	-0.143	U,G	0.454	1	U,G	1.05
BD-15-25-SL	-0.0774	U	0.52	-0.0105	U	0.0871	0.0338	U	0.179	-0.0434	U	0.224	0.024	U	0.949
BD-15-31-SL	-0.296	U,G	0.823	0.00398	U,G	0.107	0.0175	U,G	0.304	0.0516	U,G	0.278	0	U,G	1.82
BD-16-05-SL	0.126	U,G	0.761	-0.0077	U,G	0.104	0.0155	U,G	0.288	0.0495	U,G	0.23	0.618	U,G	1.62
BD-16-15-SL	0.297	U,G	0.616	-0.0142	U,G	0.0971	-0.0854	U,G	0.268	-0.0352	U,G	0.274	-0.497	U,G	1.69
BD-16-19-SL	0.276	U,G	0.434	-0.0364	U,G	0.124	-0.0692	U,G	0.309	-0.019	U,G	0.204	0.282	U,G	1.01
BD-16-25-SL	0.373	U,G	0.7	-0.0385	U,G	0.122	-0.142	U,G	0.405	0.11	U,G	0.361	0.412	U,G	1.01
BD-16-34-SL	0.103	U,G	0.516	-0.0439	U,G	0.103	-0.0293	U,G	0.255	-0.00303	U,G	0.3	-0.136	U,G	1.66
BLD240-01-01	0.01	U	0.47	0.019	U	0.105	0.06	U	0.18	0.043	U	0.115	-0.12	U	0.92
BLD240-01-09	0.11	U	0.52	0.001	U	0.101	0.034	U	0.148	-0.01	U	0.23	-0.19	U	1.04
BLD240-01-09FD	-0.15	U	0.57	0.003	U	0.096	0.02	U	0.2	-0.007	U	0.195	-0.04	U	0.87
BLD240-01-31															
BLD240-03-04	-0.06	U	0.6	0.014	U	0.104	0.01	U	0.21	-0.09	U	0.32	0.38	U	1.01
BLD240-03-04FD	0.34	U	0.47	-0.002	U	0.114	-0.02	U	0.27	-0.03	U	0.24	0.74	TI	0.71
BLD240-03-14															
BLD240-03-19	0.23	U	0.56	0.037	U	0.101	-0.07	U	0.25	-0.18	U	0.34	0	U	1.33
BLD240-04-02	0.29	U	0.35	0.024	U	0.096	-0.06	U	0.28	-0.03	U	0.25	-0.41	U	1.16
BLD240-04-04	0.11	U	0.52	0.013	U	0.088	-0.01	U	0.27	-0.07	U	0.26	-0.11	U	1.01
BLD240-04-33															
BLD240-05-01	0.31	U	0.42	0.013	U	0.108	-0.06	U	0.28	0.04	U	0.19	-0.09	U	1.06
BLD240-05-02	0.23	U	0.52	-0.031	U	0.111	-0.03	U	0.28	-0.02	U	0.24	0.09	U	1.28
BLD253-02-01	0.06	U	0.28	-0.019	U	0.09	-0.058	U	0.211	-0.056	U	0.172	-0.1	U	0.76
BLD253-02-04	-0.19	U	0.64	0.087	U	0.159	-0.05	U	0.26	0.03	U	0.28	0.33	U	0.9
BLD253-02-21FD	0.05	U	0.44	-0.024	U	0.098	0	U	0.2	0.03	U	0.21	0.3	U	0.8
BLD253-02-21															
BLD255-05-01															
BLD255-05-23															
BLD255-07-02	0.19	U	0.41	-0.02	U	0.103	0	U	0.21	-0.007	U	0.204	-0.02	U	1.1
BLD255-07-15	0.06	U	0.52	0.003	U	0.108	0.06	U	0.27	-0.055	U	0.24	0.18	U	1.1
BLD255-07-33															
BLD255-08-01	0.47	TI	0.35	0.15	U	0.17	-0.02	U	0.21	0.1	U	0.15	0.25	U	0.85
BLD255-08-08	-0.09	U	0.6	0.025	U	0.106	0.09	U	0.26	0	U	0.25	0.1	U	1.03
BLD260-06-01	0	U	0.49	0.013	U	0.101	0.05	U	0.21	0.19	TI	0.04	-0.04	U	1
BLD260-06-03	0.32	U	0.49	-0.022	U	0.116	0	U	0.26	0.12	U	0.24	0	U	1.43

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60			Europium-152		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BLD260-06-31															
BP-13-05-SL	0.0388	U,G	0.544	-0.0334	U,G	0.104	-0.0295	U,G	0.257	-0.0208	U,G	0.294	-0.354	U,G	1.37
BP-13-11-SL	0.121	U,G	0.532	0.0112	U,G	0.0895	-0.0967	U,G	0.31	0.0249	U,G	0.306	-0.0689	U,G	1.19
BP-13-15-SL	0.0398	U,G	0.694	-0.0143	U,G	0.103	0.124	U,G	0.26	0.0229	U,G	0.3	-0.114	U,G	0.842
BP-13-25-SL	0.224	U,G	0.634	0.0329	U,G	0.105	-0.0316	U,G	0.304	-0.0246	U,G	0.296	-0.44	U,G	1.59
BP-13-35-SL	0.0323	U,G	0.508	0.0308	U,G	0.0775	-0.079	U,G	0.281	0.0106	U,G	0.277	0.105	U,G	1.04
BP-17-05-SL	0.0858	U,G	0.715	-0.0436	U,G	0.121	0.00594	U,G	0.361	0.0256	U,G	0.335	0.255	U,G	1.18
BP-17-15-SL	0.229	U	0.458	0.0371	U	0.071	-0.0261	U	0.237	-0.013	U	0.224	0	U	1.2
BP-17-23-SL	0.122	U,G	0.572	-0.00436	U,G	0.092	-0.0142	U,G	0.213	-0.0947	U,G	0.311	-0.648	U,G	1.55
BP-17-31-SL	0.0816	U,G	0.535	-0.0151	U,G	0.115	-0.0584	U,G	0.294	-0.0243	U,G	0.319	-0.243	U,G	1.82
BP-18-05-SL	-0.0988	U,G	0.686	-0.0202	U,G	0.128	-0.00393	U,G	0.248	0.0488	U,G	0.316	0.0728	U,G	1.46
BP-18-15-SL	0.175	U,G	0.694	-0.00808	U,G	0.119	0.0586	U,G	0.316	-0.104	U,G	0.391	0.781	U,G	1.21
BP-18-25-SL	0.12	U,G	0.786	0.0209	U,G	0.113	0.0191	U,G	0.311	0.076	U,G	0.305	-0.68	U,G	2.12
BP-18-31-SL	0.0841	U	0.356	0.026	U	0.0569	0.0228	U	0.149	-0.109	U	0.274	0.154	U	1.02
BP-19-05-SL	-0.0491	U	0.487	-0.0225	U	0.081	-0.0466	U	0.234	-0.146	U	0.304	0.302	U	1.04
BP-19-13-SL	0.306	U	0.52	0.0033	U	0.0918	0.0312	U	0.267	-0.036	U	0.308	0.0796	U	1.09
BP-19-25-SL	0.255	U,G	0.456	0.0443	U,G	0.0771	-0.0259	U,G	0.235	-0.0162	U,G	0.251	0.0134	U,G	1.16
BP-19-29-SL	-0.0366	U	0.638	0.0237	U	0.094	-0.0795	U	0.308	-0.109	U	0.346	0.218	U	0.802
BP-20-03-SL	-0.0363	U	0.707	0.0301	U	0.102	-0.0117	U	0.305	-0.0431	U	0.304	-0.431	U	1.62
BP-20-19-SL	0.103	U,G	0.596	0.0756	U,G	0.0946	-0.0579	U,G	0.272	0.0229	U,G	0.224	0.0227	U,G	1.12
BP-20-27-SL	0.031	U	0.436	-0.0098	U	0.0828	0.0118	U	0.177	-0.12	U	0.243	-0.39	U	1.28
BP-21-07-SL	0.121	U,G	0.568	-0.0148	U,G	0.112	0.102	U,G	0.23	0.0238	U,G	0.175	-0.119	U,G	1.67
BP-21-07-SL-FD	0.156	U	0.562	-0.0496	U	0.131	-0.0395	U	0.265	-0.0171	U	0.313	-0.17	U	1.56
BP-21-13-SL	0.14	U	0.439	-0.0147	U	0.0917	-0.075	U	0.266	0.0438	U	0.256	-0.539	U	1.19
BP-21-24-SL	-0.04	U,G	0.753	-0.044	U,G	0.114	0.0333	U,G	0.275	-0.0472	U,G	0.309	-0.353	U,G	1.66
BP-21-34-SL	0.181	U	0.328	0	U	0.0954	0.0133	U	0.237	-0.11	U	0.282	0.102	U	0.995
BP-22-05-SL	0.202	U,G	0.518	-0.0369	U,G	0.106	0.0134	U,G	0.223	0.00836	U,G	0.197	0.0832	U,G	1.29
BP-22-13-SL	0.257	U,G	0.482	0.0178	U,G	0.0957	-0.00927	U,G	0.28	-0.0129	U,G	0.298	-0.0643	U,G	1.48
BP-22-23-SL	0.0021	U	0.481	-0.00837	U	0.0931	-0.0478	U	0.208	0.00248	U	0.215	-0.223	U	1.15
BP-22-33-SL	0.0652	U	0.568	-0.0361	U	0.0848	-0.0362	U	0.2	0.0194	U	0.254	-0.0969	U	1.16
CB-02-05-SL	0.117	U,G	0.512	-0.0112	U,G	0.109	-0.0746	U,G	0.262	0.103	U,G	0.126	-0.17	U,G	1.02
CB-02-05-SL-FD	-0.219	U,G	0.771	0.0166	U,G	0.12	0.0166	U,G	0.295	0.00499	U,G	0.245	0.645	U,G	1.04
CB-02-15-SL	0.108	U,G	0.444	-0.0307	U,G	0.115	-0.0324	U,G	0.271	0.017	U,G	0.222	0.336	U,G	1.01
CB-02-25-SL	0.457	U,G	0.506	0.0587	U,G	0.11	-0.0793	U,G	0.268	0.0329	U,G	0.283	0.514	U,G	0.982
DM-02-05-SL	0.144	U	0.541	0.151	U	0.167	0.0784	U	0.235	0.0842	U	0.276	0	U	1.13
DM-02-17-SL	-0.0586	U,G	0.586	-0.0428	U,G	0.109	-0.0456	U,G	0.341	-0.0798	U,G	0.322	0.412	U,G	1.08
DM-02-22-SL	0.155	U	0.673	0.049	U	0.17	-0.152	U	0.347	0.134	U	0.165	-0.224	U	1.34
DM-02-33-SL	-0.0783	U	0.518	0.0251	U	0.124	-0.0124	U	0.234	0.00251	U	0.217	0.0125	U	1.08
DM-03-05-SL	0.0642	U,G	0.543	0.0175	U,G	0.0914	0.0282	U,G	0.256	-0.164	U,G	0.326	-0.211	U,G	1.55
DM-03-05-SL-FD	-0.134	U,G	0.901	0.00806	U,G	0.117	0.0187	U,G	0.324	-0.154	U,G	0.449	0	U,G	1.81
DM-03-13-SL	0.0566	U,G	0.561	0.0156	U,G	0.0848	0	U,G	0.262	-0.0189	U,G	0.268	0.55	U,G	0.639
DM-03-25-SL	0.215	U,G	0.564	-0.0116	U,G	0.111	-0.13	U,G	0.386	0.0247	U,G	0.229	0	U,G	1.48
DM-03-34-SL	-0.0528	U,G	0.529	-0.018	U,G	0.0963	-0.0411	U,G	0.249	0.0907	U,G	0.194	-0.328	U,G	1.27

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60			Europium-152		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
EP-13-03-SL	0.227	UJ	0.446	0.0341	UJ	0.112	0.00181	UJ	0.234	0.034	UJ	0.204	0.0844	UJ	1.19
EP-13-13-SL	0.0864	UJ	0.753	0.0587	UJ	0.103	0.07	UJ	0.247	-0.0751	UJ	0.353	0.375	UJ	1.64
EP-13-25-SL	0.223	UJ	0.398	0.0644	U	0.0925	0.0127	UJ	0.26	0.0341	UJ	0.256	0.0845	UJ	1.01
EP-13-30-SL	0.0917	UJ	0.495	-0.0092	UJ	0.0887	0.0134	UJ	0.213	0.0705	UJ	0.214	0.27	UJ	1.07
EP-14-05-SL	0.142	UJ	0.753	-0.00429	UJ	0.121	0.101	UJ	0.291	0.0275	UJ	0.36	-0.274	UJ	1.8
EP-14-13-SL	0.0861	UJ	0.507	-0.0366	UJ	0.119	0.0306	UJ	0.233	-0.0847	UJ	0.239	-0.252	UJ	1.26
EP-14-25-SL	0.178	UJ	0.435	0.00215	UJ	0.112	-0.0139	UJ	0.256	0.0372	UJ	0.224	-0.277	UJ	1.3
EP-14-31-SL	0.153	UJ	0.51	-0.0184	UJ	0.0952	0	UJ	0.26	-0.0335	UJ	0.26	0.195	UJ	1.1
EP-15-05-SL	0.034	U,G	0.708	-0.0363	U,G	0.122	-0.125	U,G	0.328	0.0821	U,G	0.237	-0.408	U,G	1.85
EP-15-13-SL	-0.0442	U,G	0.739	0.0512	U,G	0.111	-0.0769	U,G	0.303	-0.0283	U,G	0.306	-0.795	U,G	1.89
EP-15-25-SL	0.247	U	0.424	0.0347	U	0.0709	0.0409	U	0.202	-0.141	U	0.302	0.201	U	1.42
EP-15-29-SL	0.283	U	0.399	0.0252	U	0.0899	-0.0351	U	0.315	-0.0989	U	0.361	-0.0427	U	1.39
EP-16-05-SL	0.0934	U,G	0.617	-0.041	U,G	0.111	0.074	U,G	0.159	0.098	U,G	0.21	0.0591	U,G	1.55
EP-16-15-SL	-0.162	U,G	0.529	-0.00367	U,G	0.0996	0.0476	U,G	0.175	0.0317	U,G	0.171	-0.0785	U,G	1.11
EP-16-27-SL	-0.0158	U	0.27	0.0359	U	0.0576	0.026	U	0.175	0.0135	U	0.162	0.0668	U	0.802
EP-17-05-SL	-0.177	U,G	0.666	-0.0278	U,G	0.123	-0.00411	U,G	0.306	0.177	U,G	0.332	0.253	U,G	1.17
EP-17-15-SL	0.417	U,G	0.537	0.0154	U,G	0.118	-0.121	U,G	0.305	0.0138	U,G	0.355	-0.0229	U,G	1.38
EP-17-25-SL	0.0944	U,G	0.749	-0.0296	U,G	0.129	0.0832	U,G	0.326	0.0808	U,G	0.324	0.134	U,G	1.9
EP-17-30-SL	0.274	U	0.34	0.0787	TI	0.0709	-0.038	U	0.271	-0.0532	U	0.246	-0.0203	U	1.22
EP-18-09-SL	0.323	UJ	0.693	0.0334	UJ	0.125	0.0171	UJ	0.318	-0.107	UJ	0.402	0	UJ	1.44
EP-18-09-SL-FD	0.156	UJ	0.555	0.0459	UJ	0.0897	-0.126	UJ	0.269	0.125	UJ	0.233	0.397	UJ	1.19
EP-18-15-SL	0.244	UJ	0.577	-0.0467	UJ	0.11	-0.0431	UJ	0.298	0.165	U	0.205	0.462	UJ	1.14
EP-18-29-SL	0.13	UJ	0.784	0.0196	UJ	0.117	0.022	UJ	0.34	-0.0751	UJ	0.353	0.25	UJ	1.5
EP-19-05-SL	0.135	UJ	0.545	-0.0331	UJ	0.114	-0.063	UJ	0.278	0.0317	UJ	0.277	0.396	UJ	1.19
EP-19-13-SL	0.19	UJ	0.567	0.0245	UJ	0.12	-0.0441	UJ	0.256	-0.151	UJ	0.328	-0.059	UJ	1.17
EP-19-25-SL	0.257	UJ	0.449	-0.024	UJ	0.0963	-0.0576	UJ	0.271	-0.0174	UJ	0.27	0.188	UJ	1.25
EP-19-31-SL	0.0286	UJ	0.577	0.00203	UJ	0.0983	0.0406	UJ	0.244	0.0778	UJ	0.238	-0.375	UJ	1.58
EP-20-05-SL	-0.0579	U,G	0.622	-0.00201	U,G	0.102	-0.171	U,G	0.301	0.178	U,G	0.237	0.84	U,G	1.26
EP-20-15-SL	-0.0823	U,G	0.775	0	U,G	0.109	0.0989	U,G	0.335	0.0242	U,G	0.225	0	U,G	1.3
EP-20-25-SL	0.233	U,G	0.54	-0.0117	U,G	0.0944	-0.168	U,G	0.288	-0.0602	U,G	0.299	-0.339	U,G	1.66
LF-06-05-SL	0.169	U,G	0.529	-0.0132	U,G	0.104	0.015	U,G	0.262	-0.0188	U,G	0.291	0.0467	U,G	1.1
LF-06-13-SL	-0.0202	U,G	0.66	-0.00417	U,G	0.0992	-0.134	U,G	0.286	0.0886	U,G	0.237	0.848	U,G	1.11
LF-06-27-SL	0.00466	U,G	0.609	0.0515	U,G	0.0908	-0.0245	U,G	0.257	0.0688	U,G	0.243	-0.208	U,G	1.44
LF-06-32-SL	0.0866	U,G	0.42	-0.00375	U,G	0.0822	-0.05	U,G	0.246	-0.0435	U,G	0.238	0.248	U,G	1.18
LF--07-09-SL	0.163	U,G	0.579	-0.00717	U,G	0.0991	0	U,G	0.282	-0.0711	U,G	0.267	0.292	U,G	1.33
LF-07-15-SL	0.121	U,G	0.565	0.0232	U,G	0.0941	0	U,G	0.223	0.026	U,G	0.204	0.849	G,TI	0.685
LF-07-25-SL	-0.253	U,G	0.774	0	U,G	0.118	0.0148	U,G	0.277	-0.0393	U,G	0.359	0.61	U,G	1.2
LF-07-34-SL	-0.0416	U,G	0.625	-0.019	U,G	0.105	0.0501	U,G	0.255	-0.0487	U,G	0.366	0	U,G	1.31
LF-08-05-SL	0.646	G,TI	0.317	-0.0471	U,G	0.125	-0.122	U,G	0.311	-0.0756	U,G	0.378	0	U,G	1.35
LF-08-05-SL-FD	-0.145	U,G	0.587	-0.0522	U,G	0.11	0	U,G	0.256	0.217	U,G	0.258	-0.166	U,G	1.29
LF-08-15-SL	0.164	U,G	0.435	-0.0147	U,G	0.11	-0.0247	U,G	0.307	-0.0839	U,G	0.266	-0.0832	U,G	1.25
LF-08-21-SL	-0.0234	U,G	0.676	-0.00848	U,G	0.13	-0.0098	U,G	0.347	0.0255	U,G	0.353	0.355	U,G	1.65
LF-08-37-SL	0.16	U,G	0.565	0.011	U,G	0.0757	0.0482	U,G	0.245	-0.0469	U,G	0.307	0.117	U,G	1.26

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60			Europium-152		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
LF-09-03-SL	0.0189	U,G	0.462	0.0478	U,G	0.0922	-0.0079	U,G	0.204	-0.0752	U,G	0.246	0.186	U,G	0.865
LF-09-17-SL	0.218	U,G	0.616	-0.00809	U,G	0.13	-0.105	U,G	0.331	-0.0146	U,G	0.337	0.533	U,G	1.02
LF-09-25-SL	-0.268	U,G	0.646	0.0266	U,G	0.103	0.0114	U,G	0.286	0.0181	U,G	0.195	0.269	U,G	0.661
LF-09-31-SL	0.135	U,G	0.353	-0.0109	U,G	0.0889	0.0203	U,G	0.179	-0.0568	U,G	0.263	-0.26	U,G	1.19
NB-28-04-SL	0.191	U,G	0.556	0.04	U,G	0.0902	0.0168	U,G	0.317	0.0482	U,G	0.227	-0.0799	U,G	1.38
NB-28-14-SL	0.398	U,G	0.624	0.027	U,G	0.107	-0.0803	U,G	0.35	-0.0488	U,G	0.32	0	U,G	1.59
NB-28-24-SL	0.0942	U,G	0.558	0.0269	U,G	0.0784	-0.146	U,G	0.311	-0.0218	U,G	0.295	0.462	U,G	1.22
NB-28-35-SL	0.173	U,G	0.422	0.0173	U,G	0.0804	-0.151	U,G	0.265	0.00729	U,G	0.232	0.0752	U,G	1.1
NB-29-05-SL	0.0461	U,G	0.803	0.00402	U,G	0.11	-0.00215	U,G	0.335	-0.102	U,G	0.423	0.38	U,G	1.18
NB-29-14-SL	-0.306	U,G	0.568	0	U,G	0.0808	0.0378	U,G	0.226	0.0281	U,G	0.189	0.208	U,G	1.1
NB-29-22-SL	-0.0389	U	0.385	0.0134	U	0.0646	-0.0248	U	0.196	0.0675	U	0.146	-0.3	U	1.19
NB-30-05-SL	-0.239	U,G	0.703	-0.00423	U,G	0.13	-0.0307	U,G	0.319	0.0458	U,G	0.25	0.633	U,G	1.24
NB-30-15-SL	0.0674	U,G	0.701	0.00406	U,G	0.116	0.0228	U,G	0.333	0.103	U,G	0.24	-0.073	U,G	1.68
NB-30-25-SL	0.348	U,G	0.57	0.0158	U,G	0.0992	0.0825	U,G	0.342	-0.0254	U,G	0.274	0.508	U,G	1.18
NB-30-33-SL	-0.0504	U,G	0.582	-0.0365	U,G	0.104	-0.00241	U,G	0.239	-0.123	U,G	0.322	0.218	U,G	1.42
NB-31-05-SL	0.231	U,G	0.769	0.0126	U,G	0.125	-0.113	U,G	0.436	0.135	U,G	0.324	0	U,G	1.45
NB-31-15-SL	0.215	U,G	0.422	-0.0162	U,G	0.0908	-0.0445	U,G	0.257	0.0812	U,G	0.151	0.0805	U,G	1.06
NB-31-27-SL	-0.101	U,G	0.69	-0.0424	U,G	0.121	-0.144	U,G	0.332	-0.0325	U,G	0.322	-0.0693	U,G	1.6
NB-31-32-SL	0.244	U,G	0.676	-0.0185	U,G	0.104	-0.0864	U,G	0.353	-0.0474	U,G	0.376	-0.118	U,G	1.42
NB-32-05-SL	0.172	U,G	0.748	-0.0118	U,G	0.118	-0.0358	U,G	0.35	-0.0755	U,G	0.33	0	U,G	1.51
NB-32-15-SL	-0.0417	U,G	0.661	-0.0152	U,G	0.104	0.0193	U,G	0.314	-0.0488	U,G	0.293	0.366	U,G	0.897
NB-32-27-SL	0.0419	U,G	0.467	-0.0213	U,G	0.107	-0.014	U,G	0.264	-0.0431	U,G	0.317	-0.572	U,G	1.65
NB-32-33-SL	0.0397	U,G	0.661	-0.0145	U,G	0.105	0	U,G	0.299	-0.0697	U,G	0.305	0.232	U,G	1.25
NB-33-05-SL	0.218	U,G	0.559	-0.015	U,G	0.0937	-0.0723	U,G	0.308	0.0503	U,G	0.294	0.103	U,G	1.27
NB-33-15-SL	0	U,G	0.632	0.0268	U,G	0.0941	0.00195	U,G	0.33	0.0246	U,G	0.323	-0.492	U,G	1.61
NB-33-27-SL	0.175	U	0.293	0.0304	U	0.0763	0.074	U	0.148	-0.0454	U	0.235	0.1	U	0.992
NB-34-05-SL	-0.17	U,G	0.708	-0.00388	U,G	0.104	0.0197	U,G	0.321	0.0498	U,G	0.299	0.248	U,G	1.49
NB-34-15-SL	-0.0327	U,G	0.62	-0.00558	U,G	0.0969	0.043	U,G	0.172	0.0147	U,G	0.291	0.598	U,G	0.694
NB-34-25-SL	0.103	U	0.517	0.00941	U	0.0687	-0.137	U	0.299	0.0201	U	0.217	-0.201	U	1.08
NB-35-01-SL	0.205	U,G	0.617	0.0153	U,G	0.117	-0.0778	U,G	0.296	-0.0493	U,G	0.411	-0.246	U,G	1.74
NB-35-15-SL	0.196	U,G	0.683	0.0328	U,G	0.0979	0.0525	U,G	0.282	0	U,G	0.282	0	U,G	1.54
NB-35-25-SL	0.165	U,G	0.491	0.0332	U,G	0.0924	-0.0737	U,G	0.272	0.0328	U,G	0.215	-0.0813	U,G	1.22
NB-36-05-SL	0.0446	U,G	0.403	-0.0201	U,G	0.103	-0.057	U,G	0.255	-0.0478	U,G	0.191	-0.395	U,G	1.32
NB-36-15-SL	0.116	U,G	0.644	0.0251	U,G	0.11	-0.0803	U,G	0.345	0.0464	U,G	0.25	0.463	U,G	1.25
NB-36-27-SL	0.564	U	0.597	-0.0279	U	0.111	0.00521	U	0.316	0.158	U	0.296	0	U	1.35
NB-37-05-SL	-0.0476	U,G	0.729	0.0193	U,G	0.114	-0.00253	U,G	0.25	-0.0745	U,G	0.341	0.185	U,G	1.27
NB-37-15-SL	0	U,G	0.687	-0.0253	U,G	0.1	-0.106	U,G	0.321	0.0931	U,G	0.251	-0.465	U,G	1.84
NB-37-25-SL	0.147	U,G	0.456	-0.0214	U,G	0.114	-0.104	U,G	0.305	-0.108	U,G	0.332	0.407	U,G	1.29
NB-38-09-SL	0.226	U,G	0.495	-0.0197	U,G	0.0912	-0.0674	U,G	0.259	-0.083	U,G	0.274	0.186	U,G	1.34
NB-38-15-SL	0.0792	U	0.563	0.00174	U	0.0838	-0.0269	U	0.246	-0.134	U	0.278	-0.222	U	1.33
NB-38-25-SL	0.142	U	0.494	0	U	0.0914	-0.0063	U	0.242	0.0966	U	0.203	-0.0855	U	1.3
NB-39-05-SL	0.14	U,G	0.676	0.0161	U,G	0.122	0.106	U,G	0.23	0.135	U,G	0.265	0.0239	U,G	1.17
NB-39-15-SL	-0.0398	U,G	0.649	0.0114	U,G	0.0878	-0.0401	U,G	0.242	-0.0107	U,G	0.31	0.0933	U,G	1.15

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60			Europium-152		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-39-25-SL	-0.0401	U,G	0.727	0.00361	U,G	0.108	-0.106	U,G	0.338	-0.161	U,G	0.402	0.345	U,G	1.38
NB-39-30-SL	-0.0961	U,G	0.667	0.0649	U,G	0.0917	-0.114	U,G	0.333	0.0458	U,G	0.192	-0.25	U,G	1.57
NB-40-05-SL	-0.204	U,G	0.845	0.0438	U,G	0.093	-0.0907	U,G	0.333	-0.0232	U,G	0.305	0.116	U,G	1.08
NB-40-05-SL-FD	0.122	U	0.544	-0.0217	U	0.0872	-0.131	U	0.262	0.0276	U	0.227	-0.191	U	1.33
NB-40-17-SL	0.222	U,G	0.538	0.00386	U,G	0.124	-0.0715	U,G	0.323	0.0738	U,G	0.254	-0.0229	U,G	1.38
NB-40-25-SL	0	U	0.602	-0.00969	U	0.0869	0.0436	U	0.222	0.0412	U	0.248	0.411	U	0.955
NB-40-31-SL	0.22	U	0.382	0.00812	U	0.0658	-0.0271	U	0.213	-0.00621	U	0.19	0.218	U	0.933
NB-41-05-SL	0.214	U	0.562	0.00348	U	0.102	0.148	U	0.199	-0.0959	U	0.289	-0.124	U	1.34
NB-41-13-SL	0	U	0.381	0.0057	U	0.0862	0.00294	U	0.129	-0.0547	U	0.274	-0.273	U	1.28
NB-41-19-SL	-0.17	U,G	0.621	0.0356	U,G	0.0813	-0.0552	U,G	0.217	-0.0379	U,G	0.265	-0.86	U,G	1.6
NB-42-05-SL	0.336	U,G	0.468	-0.0025	U,G	0.0878	-0.026	U,G	0.224	0.0162	U,G	0.194	0	U,G	1.34
NB-42-13-SL	0.243	U	0.374	0.00937	U	0.0881	-0.0821	U	0.251	-0.14	U	0.317	-0.398	U	1.58
NB-42-23-SL	0.0571	U	0.403	0.00164	U	0.0701	-0.131	U	0.239	0.0126	U	0.192	0.189	U	0.944
NB-43-05-SL	0.0478	U,G	0.431	0.0186	U,G	0.0989	0.025	U,G	0.24	-0.0466	U,G	0.234	0.077	U,G	1.09
NB-43-13-SL	0.235	U	0.404	0.00621	U	0.0792	0.132	U	0.178	-0.0819	U	0.3	-0.185	U	1.2
NB-44-05-SL	0.171	U	0.569	0.0184	U	0.0784	0.0253	U	0.21	-0.0785	U	0.327	-0.686	U	1.84
NB-44-05-SL-FD	-0.0344	U,G	0.444	0.0162	U,G	0.0732	-0.0899	U,G	0.235	-0.0277	U,G	0.227	0.211	U,G	0.995
NB-44-11-SL	0.0336	U	0.3	-0.00247	U	0.0682	0.0575	U	0.166	-0.0255	U	0.167	0.0632	U	0.949
NB-44-18-SL	0.194	U	0.348	0.0252	U	0.0819	0.0686	U	0.158	0.0302	U	0.208	0.131	U	1.13
NB-45-05-SL	-0.0913	U,G	0.859	0.0411	U,G	0.101	-0.0825	U,G	0.359	0.0263	U,G	0.417	0.262	U,G	1.85
NB-45-05-SL-FD	-0.138	U,G	0.898	0.0166	U,G	0.12	-0.0214	U,G	0.348	-0.106	U,G	0.374	0.132	U,G	1.87
NB-45-13-SL	-0.0866	U,G	0.687	0.0234	U,G	0.116	-0.00401	U,G	0.299	0.0249	U,G	0.299	-0.373	U,G	1.49
NB-45-25-SL	0.229	U,G	0.725	0.0247	U,G	0.112	0.053	U,G	0.261	0.0526	U,G	0.244	0.262	U,G	1.41
NB-45-33-SL	0.0496	U	0.535	0.00351	U	0.0804	-0.00922	U	0.225	-0.0202	U	0.241	0.466	U	1.05
NB-46-09-SL	0.114	U	0.717	-0.0377	U	0.106	0.0989	U	0.234	0	U	0.236	-0.328	U	1.64
NB-46-17-SL	-0.00062	U,G	0.538	-0.00556	U,G	0.0858	-0.0537	U,G	0.231	0.0496	U,G	0.233	0.0878	U,G	1.34
NB-46-25-SL	0.344	U,G	0.485	0.0223	U,G	0.111	-0.0861	U,G	0.293	-0.147	U,G	0.344	0.222	U,G	1.44
NB-46-29-SL	0.092	U,G	0.461	-0.00391	U,G	0.0898	0.0788	U,G	0.219	0.079	U,G	0.245	-0.21	U,G	1.03
NB-47-05-SL	0.18	U	0.433	0.00633	U	0.0992	-0.0449	U	0.261	0	U	0.21	0.589	U	0.684
NB-47-15-SL	0.355	U,G	0.491	0.00188	U,G	0.098	0.0592	U,G	0.258	-0.0383	U,G	0.292	0.102	U,G	1.27
NB-47-25-SL	0.418	U,G	0.655	0.0374	U,G	0.115	0.0431	U,G	0.351	-0.0265	U,G	0.347	0.132	U,G	1.99
NB-47-31-SL	0.304	U,G	0.555	-0.0211	U,G	0.104	-0.0111	U,G	0.32	-0.102	U,G	0.309	-0.253	U,G	1.27
NB-48-05-SL	0.23	U,G	0.564	0.0218	U,G	0.108	0.0306	U,G	0.271	0.0565	U,G	0.213	0.216	U,G	1.4
NB-48-11-SL	0.343	U,G	0.37	0.0231	U,G	0.0998	-0.084	U,G	0.263	0.0835	U,G	0.259	0.54	U,G	0.977
NB-48-15-SL	0.384	U,G	0.641	-0.0191	U,G	0.126	-0.0515	U,G	0.372	0	U,G	0.262	-0.243	U,G	1.59
NB-48-25-SL	0.0376	U,G	0.569	0.0315	U,G	0.0883	-0.00517	U,G	0.27	-0.0319	U,G	0.192	0.079	U,G	0.851
NB-48-35-SL	0.339	U,G	0.479	0.011	U,G	0.095	0.016	U,G	0.273	-0.0744	U,G	0.263	0.152	U,G	1.31
NB-49-05-SL	0.0747	U,G	0.691	-0.0329	U,G	0.123	-0.213	U,G	0.405	-0.0345	U,G	0.341	0.465	U,G	0.806
NB-49-05-SL-FD	0.336	U,G	0.592	0.0453	U,G	0.0999	0.00389	U,G	0.342	0.193	G,TI	0.0653	-0.362	U,G	1.7
NB-49-15-SL	0.231	U,G	0.729	-0.00403	U,G	0.117	0.0796	U,G	0.278	0.0822	U,G	0.237	0.144	U,G	1.01
NB-49-25-SL	0.0983	U,G	0.609	0.0245	U,G	0.108	0.0607	U,G	0.264	-0.0243	U,G	0.319	-0.499	U,G	1.67
NB-49-37-SL	0.121	U,G	0.608	0.0437	U,G	0.0797	0.0713	U,G	0.279	-0.0233	U,G	0.369	0	U,G	1.08
NB-50-05-SL	0.172	U,G	0.62	-0.0192	U,G	0.125	0.0206	U,G	0.311	0.0184	U,G	0.337	0.709	U,G	0.752

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60			Europium-152		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-50-15-SL	0.132	U,G	0.543	-0.0339	U,G	0.116	-0.0147	U,G	0.287	0.065	U,G	0.179	-0.426	U,G	1.77
NB-50-25-SL	-0.169	U,G	0.95	0.0114	U,G	0.114	0.173	U,G	0.292	0.0243	U,G	0.319	0.486	U,G	1.46
NB-50-37-SL	0.0664	U	0.356	0.00994	U	0.0863	0.086	U	0.149	0.0303	U	0.163	-0.15	U	0.901
NB-51-05-SL	0.213	U,G	0.4	0.00433	U,G	0.102	-0.0755	U,G	0.279	0.032	U,G	0.21	-0.0793	U,G	0.953
NB-51-13-SL	0.105	U,G	0.666	0.00792	U,G	0.118	-0.0238	U,G	0.337	-0.104	U,G	0.383	0.0707	U,G	1.82
NB-51-25-SL	0.146	U,G	0.482	-0.00329	U,G	0.1	0.0155	U,G	0.321	-0.0186	U,G	0.289	0.2	U,G	1.33
NB-51-37-SL	0.198	U,G	0.477	0.00573	U,G	0.0995	0.023	U,G	0.163	-0.0165	U,G	0.216	0.408	U,G	0.981
NB-52-05-SL	-0.262	U,G	0.957	-0.00396	U,G	0.113	-0.134	U,G	0.381	-0.0253	U,G	0.357	1.14	G,TI	0.342
NB-52-13-SL	0.263	U,G	0.51	0.0237	U,G	0.11	-0.059	U,G	0.308	-0.0711	U,G	0.328	-0.353	U,G	1.63
NB-52-25-SL	0.185	U,G	0.41	0.0345	U,G	0.0965	-0.0929	U,G	0.27	0.0407	U,G	0.271	-0.109	U,G	1.55
NB-52-35-SL	0.505	G,TI	0.453	0.019	U,G	0.112	-0.00779	U,G	0.258	-0.0244	U,G	0.262	-0.365	U,G	1.46
NB-53-05-SL	-0.00925	U,G	0.417	0.00246	U,G	0.0892	-0.00169	U,G	0.243	0.0159	U,G	0.191	0.631	U,G	0.733
NB-53-13-SL	0.176	U,G	0.525	-0.0356	U,G	0.1	0.0272	U,G	0.265	0.088	U,G	0.217	0.342	U,G	1.18
NB-53-23-SL	0.264	U,G	0.577	-0.012	U,G	0.116	0.0367	U,G	0.303	-0.051	U,G	0.36	0.127	U,G	1.53
NB-53-33-SL	-0.204	U,G	0.602	-0.00403	U,G	0.0849	0.0676	U,G	0.254	-0.0487	U,G	0.252	-0.337	U,G	1.34
NB-54-05-SL	-0.162	U,G	0.677	0.0113	U,G	0.112	0.0413	U,G	0.237	-0.0452	U,G	0.293	0.0449	U,G	1.46
NB-54-13-SL	0.0802	U,G	0.662	-0.0164	U,G	0.129	0.0905	U,G	0.22	0.163	U,G	0.242	-0.368	U,G	1.7
NB-54-25-SL	-0.296	U,G	0.973	0	U,G	0.117	-0.0137	U,G	0.357	-0.0489	U,G	0.407	0.244	U,G	1.13
NB-54-31-SL	0.123	U	0.343	0.0114	U	0.0623	-0.02	U	0.223	0.0273	U	0.188	0	U	0.933
NB-55-05-SL	0	U,G	0.657	0.00747	U,G	0.105	0.071	U,G	0.27	0	U,G	0.313	-0.119	U,G	1.56
NB-55-13-SL	0.232	U,G	0.61	-0.019	U,G	0.127	-0.2	U,G	0.352	-0.159	U,G	0.382	0.294	U,G	1.11
NB-55-25-SL	0.402	U,G	0.527	0.0217	U,G	0.105	0.0391	U,G	0.316	0.0464	U,G	0.278	0	U,G	1.74
NB-55-33-SL	0	U	0.383	-0.0206	U	0.0765	0.0562	U	0.187	0.0141	U	0.194	-0.193	U	1.22
NB-56-05-SL	-0.00222	U	0.548	0.0444	U	0.0857	-0.0888	U	0.27	-0.00255	U	0.253	-0.0507	U	1
NB-56-13-SL	0.246	U,G	0.563	-0.0307	U,G	0.118	0.00128	U,G	0.284	0.0966	U,G	0.226	-0.251	U,G	1.58
NB-56-25-SL	0.29	U,G	0.518	-0.00062	U,G	0.0929	-0.0148	U,G	0.208	-0.0712	U,G	0.276	0.398	U,G	1.04
NB-56-33-SL	0.127	U	0.276	-0.0358	U	0.0904	-0.0512	U	0.241	0.0195	U	0.27	0.233	U	1.07
NB-57-05-SL	-0.0216	U,G	0.623	-0.00388	U,G	0.129	0.00129	U,G	0.285	-0.00933	U,G	0.303	-0.116	U,G	1.4
NB-57-05-SL-FD	0.0571	U,G	0.516	-0.0561	U,G	0.126	0.0423	U,G	0.246	0.00898	U,G	0.291	0.424	U,G	0.734
NB-57-15-SL	0.228	U,G	0.599	0.00747	U,G	0.114	-0.041	U,G	0.292	0.00897	U,G	0.291	0.691	U,G	0.733
NB-57-29-SL	0.0871	U,G	0.539	0.0173	U,G	0.0863	-0.0134	U,G	0.253	-0.136	U,G	0.363	0.176	U,G	1.17
NB-57-34-SL	-0.194	U,G	0.681	0.0513	U,G	0.0969	0.0951	U,G	0.196	-0.0308	U,G	0.305	-0.197	U,G	1.32
NB-58-05-SL	0.127	U,G	0.489	-0.00477	U,G	0.0946	0.0835	U,G	0.221	-0.0563	U,G	0.296	0.448	U,G	1.11
NB-58-15-SL	-0.00562	U,G	0.558	-0.0889	U,G	0.141	-0.0861	U,G	0.358	0.0534	U,G	0.292	0.193	U,G	1.33
NB-58-29-SL	-0.129	U,G	0.655	-0.0296	U,G	0.104	-0.0735	U,G	0.305	0.0178	U,G	0.277	-0.118	U,G	1.55
NB-58-36-SL	0.0349	U,G	0.431	0.0466	U,G	0.0764	-0.037	U,G	0.296	-0.0129	U,G	0.211	0.0214	U,G	1.05
NB-59-05-SL	-0.00484	U,G	0.616	0.00769	U,G	0.09	-0.0138	U,G	0.241	-0.142	U,G	0.308	0.292	U,G	0.98
NB-59-13-SL	0.404	U,G	0.558	-0.0152	U,G	0.11	0.0331	U,G	0.291	0.0137	U,G	0.275	0.318	U,G	1.47
NB-59-25-SL	0.268	U,G	0.418	0.0252	U,G	0.0805	0.0269	U,G	0.253	-0.0728	U,G	0.298	-0.0268	U,G	1.41
NB-59-31-SL	-0.121	U,G	0.604	0	U,G	0.0958	-0.0932	U,G	0.304	-0.139	U,G	0.348	0.809	G,TI	0.313
NB-60-05-SL	0.0678	U,G	0.528	0.041	U,G	0.101	-0.0428	U,G	0.249	-0.138	U,G	0.346	0.164	U,G	1.48
NB-60-13-SL	0.309	U,G	0.58	0.0123	U,G	0.121	0.0775	U,G	0.304	0.053	U,G	0.374	-0.265	U,G	1.59
NB-60-23-SL	0.254	U,G	0.545	0.0292	U,G	0.0894	-0.0942	U,G	0.246	-0.00754	U,G	0.263	-0.0498	U,G	1.35

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60			Europium-152		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-60-31-SL	0.0848	U,G	0.509	0.0313	U,G	0.0921	-0.047	U,G	0.259	-0.0253	U,G	0.272	-0.883	U,G	2.2
NB-61-05-SL	-0.184	U,G	0.639	0.0373	U,G	0.108	-0.0257	U,G	0.287	-0.0631	U,G	0.363	0.157	U,G	1.35
NB-61-13-SL	0.169	U,G	0.671	-0.0505	U,G	0.119	-0.0587	U,G	0.319	0.025	U,G	0.375	-0.623	U,G	2.08
NB-61-23-SL	0.167	U,G	0.517	0.0287	U,G	0.109	0.0165	U,G	0.268	0.121	U,G	0.238	-0.259	U,G	1.58
NB-61-28-SL	0.117	U	0.352	0.00898	U	0.0704	0.0607	U	0.146	0.0276	U	0.119	0.187	U	0.88
NB-62-05-SL	0.127	U,G	0.706	-0.0114	U,G	0.102	-0.055	U,G	0.346	-0.0243	U,G	0.343	0.607	U,G	0.893
NB-62-12-SL	0.00929	U,G	0.465	0.0317	U,G	0.0645	-0.0265	U,G	0.187	0.0451	U,G	0.126	0.29	U,G	0.8
NB-62-22-SL	0.199	U,G	0.522	0.0251	U,G	0.0764	-0.00739	U,G	0.245	0.0687	U,G	0.168	0.343	U,G	0.841
NB-63-05-SL	0.171	U,G	0.714	0.02	U,G	0.102	-0.204	U,G	0.404	0	U,G	0.34	-0.389	U,G	1.7
NB-63-13-SL	0.376	G,TI	0.354	0.0112	U,G	0.0968	0.0466	U,G	0.147	-0.0136	U,G	0.222	0	U,G	1.24
NB-63-19-SL	0.0631	U	0.374	0.00266	U	0.0708	-0.131	U	0.248	0.0836	U	0.179	0.126	U	0.765
NB-64-05-SL	0.385	U,G	0.416	-0.0304	U,G	0.1	0.0313	U,G	0.235	0.00329	U,G	0.284	0.18	U,G	0.78
NB-64-13-SL	0.12	U,G	0.43	-0.00742	U,G	0.0813	-0.0627	U,G	0.244	0	U,G	0.314	-0.12	U,G	1.44
NB-64-17-SL	-0.0997	U,G	0.466	-0.0106	U,G	0.0741	-0.0378	U,G	0.228	0.00794	U,G	0.187	-0.0395	U,G	0.93
NB-65-05-SL	0.0676	U,G	0.527	0.0289	U,G	0.0914	-0.0285	U,G	0.268	-0.0899	U,G	0.279	-0.164	U,G	1.29
NB-65-13-SL	0.272	U,G	0.456	0.0338	U,G	0.085	-0.041	U,G	0.248	-0.0892	U,G	0.286	0.115	U,G	1.13
NB-65-17-SL	0.0804	U,G	0.433	-0.00748	U,G	0.102	-0.0538	U,G	0.315	-0.0242	U,G	0.29	-0.362	U,G	2.1
NB-66-05-SL	0.0473	U,G	0.667	-0.0531	U,G	0.139	0.0131	U,G	0.289	-0.114	U,G	0.404	0	U,G	1.54
NB-66-05-SL-FD	0.206	U,G	0.815	0.0048	U,G	0.12	-0.0806	U,G	0.314	0.0622	U,G	0.335	-0.466	U,G	1.86
NB-66-15-SL	-0.224	U,G	0.675	0.031	U,G	0.0931	0.0423	U,G	0.246	0.0847	U,G	0.198	0.491	U,G	1.15
NB-66-19-SL	-0.197	U	0.445	0.00907	U	0.0711	-0.0721	U	0.218	-0.0407	U	0.201	0.114	U	0.895
NB-67-05-SL	-0.13	U,G	0.753	0.0363	U,G	0.105	-0.159	U,G	0.325	-0.131	U,G	0.392	0	U,G	1.57
NB-67-11-SL	-0.1	U,G	0.451	-0.00369	U,G	0.0747	-0.00293	U,G	0.211	0.0286	U,G	0.211	0.437	U,G	0.932
NB-67-21-SL	0.00413	U	0.357	0.0122	U	0.0685	-0.0227	U	0.218	-0.0481	U	0.223	0.0184	U	0.903
NB-68-05-SL	0.18	U,G	0.514	0.0665	U,G	0.0872	-0.198	U,G	0.287	0.0391	U,G	0.24	-0.414	U,G	1.55
NB-68-13-SL	0.0391	U,G	0.651	0.0767	U,G	0.082	-0.0288	U,G	0.339	-0.142	U,G	0.394	-0.118	U,G	1.42
NB-68-17-SL	0.0408	U,G	0.59	-0.0114	U,G	0.113	-0.0389	U,G	0.294	-0.0599	U,G	0.277	0.252	U,G	1.38
NB-68-25-SL	-0.0649	U,G	0.644	-0.00137	U,G	0.0993	0.0461	U,G	0.289	0.00978	U,G	0.23	0.747	U,G	0.984
NB-68-33-SL	-0.264	U,G	0.629	0.0106	U,G	0.083	-0.00696	U,G	0.23	-0.0685	U,G	0.322	-0.228	U,G	1.37
NB-69-05-SL	0.0912	U,G	0.564	0.0366	U,G	0.0806	-0.0717	U,G	0.25	-0.0568	U,G	0.269	-0.0088	U,G	1.23
NB-69-15-SL	0.215	U,G	0.436	0.0107	U,G	0.0786	-0.154	U,G	0.249	0.083	U,G	0.166	0.0572	U,G	1.24
NB-69-22-SL	0.209	U,G	0.557	0.00655	U,G	0.104	-0.147	U,G	0.265	0.0339	U,G	0.296	0.042	U,G	1.33
NB-69-34-SL	0.126	U	0.47	-0.00354	U	0.0854	-0.164	U	0.234	0.144	TI	0.142	0.21	U	0.989
NB-70-05-SL	0.515	G,TI	0.425	0.0135	U,G	0.118	-0.00204	U,G	0.227	-0.0299	U,G	0.253	0.207	U,G	1.37
NB-70-15-SL	0.0807	U,G	0.568	-0.00639	U,G	0.0884	-0.0262	U,G	0.208	0.00555	U,G	0.219	-0.359	U,G	1.45
NB-70-23-SL	-0.00654	U,G	0.634	0.0422	U,G	0.0967	-0.0697	U,G	0.25	0.0571	U,G	0.25	0.61	U,G	1.23
NB-70-33-SL	-0.00283	U,G	0.494	-0.0423	U,G	0.101	-0.0123	U,G	0.276	-0.0298	U,G	0.26	0.295	U,G	1.17
NB-71-01-SL	0.201	U,G	0.512	0.00065	U,G	0.108	-0.00874	U,G	0.197	0.0342	U,G	0.241	-0.0849	U,G	1.02
NB-71-01-SL-FD	0.28	U,G	0.606	-0.0284	U,G	0.129	-0.0183	U,G	0.259	-0.0148	U,G	0.341	0.269	U,G	1.47
NB-71-11-SL	0.306	U,G	0.501	0.0178	U,G	0.11	0.0636	U,G	0.234	-0.069	U,G	0.324	0.115	U,G	1.5
NB-71-27-SL	0.122	U,G	0.379	-0.0212	U,G	0.0836	-0.0647	U,G	0.221	0	U,G	0.207	0.314	U,G	0.729
NB-72-05-SL	0.102	U,G	0.588	0.00376	U,G	0.0994	0.0838	U,G	0.23	-0.0957	U,G	0.351	-0.408	U,G	1.83
NB-72-11-SL	0.293	U,G	0.775	0.0136	U,G	0.118	-0.156	U,G	0.383	-0.205	U,G	0.489	0.293	U,G	1.58

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60			Europium-152		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-72-19-SL	0.00832	U	0.493	-0.0196	U	0.0814	-0.149	U	0.247	0.0479	U	0.232	-0.84	U	1.42
NB-72-22-SL	0.0687	U	0.319	0.00957	U	0.0716	-0.019	U	0.236	-0.0824	U	0.291	-0.309	U	1.35
NB-73-05-SL	0.0437	U,G	0.573	-0.00812	U,G	0.0912	0.0908	U,G	0.249	0.105	U,G	0.193	-0.131	U,G	1.41
NB-73-13-SL	-0.162	U,G	0.676	-0.0188	U,G	0.096	-0.232	U,G	0.373	-0.0243	U,G	0.262	-0.243	U,G	1.31
NB-73-23-SL	0.219	U	0.439	-0.0305	U	0.0849	0.0456	U	0.238	-0.0877	U	0.309	0.547	U	0.806
NB-74-05-SL	0.0552	U,G	0.599	-0.0161	U,G	0.102	-0.0436	U,G	0.244	-0.0388	U,G	0.301	0.0544	U,G	1.5
NB-74-17-SL	-0.121	U,G	0.507	-0.0152	U,G	0.106	0.0593	U,G	0.232	-0.0523	U,G	0.246	-0.259	U,G	1.22
NB-74-25-SL	0.0154	U,G	0.567	0.00377	U,G	0.0996	-0.0589	U,G	0.262	0.0638	U,G	0.296	0.272	U,G	1.25
NB-74-33-SL	0.00878	U,G	0.44	-0.0126	U,G	0.0671	-0.0625	U,G	0.227	0.0546	U,G	0.184	0.0259	U,G	1.02
NB-75-08-SL	0.129	U,G	0.428	-0.0352	U,G	0.105	-0.0512	U,G	0.214	0.0159	U,G	0.224	0.157	U,G	1.03
NB-75-15-SL	0.113	U,G	0.488	0.0502	U,G	0.0785	0.0153	U,G	0.26	-0.0519	U,G	0.238	-0.0215	U,G	1.3
NB-75-19-SL	-0.0132	U	0.389	0.0163	U	0.0737	-0.0125	U	0.226	0.0258	U	0.156	0.115	U	0.905
NB-76-06-SL	-0.163	U,G	0.535	0.0263	U,G	0.0994	-0.062	U,G	0.23	-0.041	U,G	0.274	0.113	U,G	1.11
NB-76-10-SL	0.0147	U	0.346	-0.0226	U	0.0701	0	U	0.156	-0.015	U	0.233	-0.125	U	0.985
NB-76-24-SL	0	U	0.405	0.0125	U	0.0685	0.0249	U	0.206	0	U	0.243	-0.101	U	1.42
NB-77-05-SL	0.123	U,G	0.426	0.0168	U,G	0.0734	-0.0836	U,G	0.234	-0.00723	U,G	0.28	0.14	U,G	1.17
NB-77-13-SL	-0.06	U	0.458	-0.00681	U	0.0852	-0.0022	U	0.218	0.0165	U	0.227	0.533	U	0.863
NB-77-24-SL	0.225	U	0.293	0.02	U	0.0649	-0.0662	U	0.229	0.0464	U	0.183	0	U	1.08
NB-78-07-SL	-0.0443	U,G	0.803	-0.037	U,G	0.114	0.094	U,G	0.271	0	U,G	0.319	0.796	U,G	0.976
NB-78-11-SL	0.125	U,G	0.478	0.0161	U,G	0.0801	-0.0935	U,G	0.246	-0.0208	U,G	0.227	-0.0829	U,G	1.27
NB-78-18-SL	0	U,G	0.496	0.0159	U,G	0.0824	-0.0898	U,G	0.285	0.0662	U,G	0.178	-0.328	U,G	1.3
NB-79-05-SL	-0.0387	U,G	0.614	0.04	U,G	0.0855	0.016	U,G	0.278	0	U,G	0.254	0.354	U,G	0.867
NB-79-05-SL-FD	-0.105	U,G	0.494	-0.0276	U,G	0.0921	-0.0146	U,G	0.234	0.0324	U,G	0.15	0.321	U,G	0.965
NB-79-11-SL	0	U,G	0.675	0.0109	U,G	0.0995	-0.168	U,G	0.356	-0.0709	U,G	0.284	0.118	U,G	1.42
NB-79-24-SL	0.113	U	0.372	-0.00212	U	0.0816	-0.0476	U	0.254	-0.0101	U	0.2	-0.314	U	1.25
NB-80-05-SL	0.265	U,G	0.407	0.0354	U,G	0.0814	-0.103	U,G	0.296	-0.138	U,G	0.382	0.458	U,G	0.843
NB-80-11-SL	-0.0156	U,G	0.49	0.0276	U,G	0.0817	-0.108	U,G	0.247	0.0429	U,G	0.235	0.692	U,G	0.82
NB-80-27-SL	0.364	U,G	0.431	-0.0037	U,G	0.0996	-0.0713	U,G	0.254	0.045	U,G	0.189	-0.0224	U,G	1.35
NB-81-09-SL	0.241	U,G	0.375	-0.0458	U,G	0.11	0.0877	U,G	0.183	0	U,G	0.201	0.152	U,G	0.999
NB-81-11-SL	-0.114	U,G	0.564	-0.00061	U,G	0.098	0.0672	U,G	0.213	-0.0352	U,G	0.273	0.0876	U,G	1.36
NB-81-31-SL	-0.253	U,G	0.507	0.00543	U,G	0.0738	-0.18	U,G	0.264	-0.00707	U,G	0.232	0.0321	U,G	1.15
NB-82-05-SL	0.141	U,G	0.576	0	U,G	0.123	-0.056	U,G	0.292	0.033	U,G	0.283	0.375	U,G	1.29
NB-82-11-SL	0.207	U	0.394	-0.0123	U	0.0769	-0.103	U	0.235	0.0341	U	0.209	0.346	U	0.936
NB-82-20-SL	0.0659	U	0.351	0.0148	U	0.0769	-0.0604	U	0.235	-0.0614	U	0.238	0.216	U	0.606
NB-83-05-SL	0.097	U,G	0.636	0	U,G	0.124	0.168	U,G	0.276	0.147	U,G	0.316	-0.44	U,G	2.07
NB-83-11-SL	-0.132	U,G	0.503	-0.0165	U,G	0.0813	-0.0122	U,G	0.207	0.0783	U,G	0.182	0.371	U,G	0.816
NB-83-23-SL	-0.146	U	0.445	-0.0408	U	0.0881	-0.012	U	0.18	0.12	U	0.121	-0.38	U	1.18
NB-84-05-SL	-0.14	U,G	0.78	0.0088	U,G	0.126	-0.069	U,G	0.321	0.0571	U,G	0.343	0.285	U,G	1.05
NB-84-15-SL	0.25	U,G	0.429	-0.0192	U,G	0.0871	-0.228	U,G	0.283	-0.0672	U,G	0.261	-0.586	U,G	1.55
NB-84-23-SL	-0.00807	U,G	0.341	0.00656	U,G	0.0795	0.0586	U,G	0.146	-0.0313	U,G	0.168	0.0776	U,G	0.836
NB-84-33-SL	0.173	U	0.313	0.0296	U	0.0662	-0.00317	U	0.2	-0.056	U	0.26	-0.199	U	0.837
NB-85-05-SL	0.0976	U,G	0.568	0.0149	U,G	0.105	0.00211	U,G	0.273	0.0765	U,G	0.251	0	U,G	1.14
NB-85-15-SL	0.0858	U,G	0.484	-0.0438	U,G	0.117	-0.00394	U,G	0.296	-0.0179	U,G	0.234	0.443	U,G	1.16

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60			Europium-152		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-85-25-SL	0.225	U,G	0.543	0.0263	U,G	0.0982	0.0202	U,G	0.244	0.0365	U,G	0.274	0	U,G	1.51
NB-85-35-SL	0.097	U	0.292	0.0103	U	0.0553	0.037	U	0.162	0.0216	U	0.17	0.179	U	0.843
NB-86-05-SL	0.215	U,G	0.758	-0.0427	U,G	0.143	-0.055	U,G	0.372	0.12	G,TI	0.0815	0.15	U,G	1.1
NB-86-15-SL	0.144	U,G	0.446	-0.0196	U,G	0.103	0.00192	U,G	0.248	0.0695	U,G	0.245	0.43	U,G	1.13
NB-86-19-SL	0.106	U,G	0.408	-0.02	U,G	0.0907	-0.0424	U,G	0.275	0.146	G,TI	0.131	0.287	U,G	0.965
OA-18-03-SL	0.116	U	0.446	-0.00869	U	0.0937	-0.102	U	0.292	-0.0104	U	0.205	0.258	U	1.02
OA-18-17-SL	0.352	U,G	0.417	0.00759	U,G	0.0976	0.0401	U,G	0.233	-0.00273	U,G	0.271	0.557	U,G	0.647
OA-18-25-SL	0.172	U,G	0.647	0.0353	U,G	0.107	0.0499	U,G	0.246	-0.101	U,G	0.4	0	U,G	1.51
OA-18-33-SL	0.21	U	0.395	0.00931	U	0.0793	-0.0713	U	0.253	-0.0631	U	0.255	0.121	U	1.27
OA-19-05-SL	0.343	U	0.499	-0.0521	U	0.114	0.111	U	0.179	-0.0445	U	0.314	0.111	U	1.03
OA-19-15-SL	0.261	U,G	0.375	0.0387	U,G	0.0828	0.0518	U,G	0.216	0.0159	U,G	0.246	0.0132	U,G	1.14
OA-19-25-SL	-0.117	U,G	0.733	0.0355	U,G	0.1	0.0198	U,G	0.306	0.0911	U,G	0.342	0.341	U,G	1.36
OA-19-33-SL	0.144	U	0.419	-0.00536	U	0.093	0.0757	U	0.136	0.16	U	0.203	-0.102	U	0.776
PL-04-05-SL	0.286	U,G	0.536	-0.0238	U,G	0.137	-0.129	U,G	0.344	0.091	U,G	0.158	-0.333	U,G	1.92
PL-04-13-SL	0	U,G	0.792	0.0509	U,G	0.102	-0.0564	U,G	0.284	0	U,G	0.307	-0.702	U,G	1.95
PL-04-23-SL	-0.0672	U	0.641	0	U	0.106	0.0653	U	0.217	-0.0213	U	0.256	0.127	U	0.889
PL-04-31-SL	0.0668	U,G	0.478	-0.00714	U,G	0.0967	0.0272	U,G	0.204	0.0198	U,G	0.244	-0.492	U,G	1.22
PL-05-05-SL	0.256	U,G	0.381	0.00607	U,G	0.0962	-0.0536	U,G	0.234	-0.0953	U,G	0.309	0	U,G	1.03
PL-05-15-SL	0.229	U	0.444	0.0141	U	0.108	0.0273	U	0.243	0	U	0.312	-0.17	U	1.55
PL-05-28-SL	0.153	U,G	0.39	0.0174	U,G	0.0985	0.0483	U,G	0.261	0	U,G	0.213	-0.565	U,G	1.34
PL-06-07-SL	-0.059	U,G	0.588	-0.00868	U,G	0.106	-0.0147	U,G	0.255	0.00292	U,G	0.252	0.217	U,G	1.02
PL-06-13-SL	-0.123	U,G	0.61	0.039	U,G	0.0886	0.0293	U,G	0.206	0.0349	U,G	0.271	-0.29	U,G	1.52
PL-06-17-SL	0.0898	U,G	0.537	-0.0172	U,G	0.107	-0.016	U,G	0.256	-0.132	U,G	0.299	0.163	U,G	0.979
PL-06-29-SL	-0.039	U	0.483	0.0122	U	0.0796	0.0778	U	0.204	0	U	0.252	-0.11	U	1.19
PL-06-33-SL	0.15	U	0.371	0.0167	U	0.0868	0.112	U	0.139	0.02	U	0.196	0	U	1.09
RR-04-07-SL	0.0902	U,G	0.785	-0.0409	U,G	0.125	0.0397	U,G	0.326	-0.0785	U,G	0.369	0.261	U,G	1.41
RR-04-15-SL	-0.246	U,G	0.593	0.00317	U,G	0.102	-0.122	U,G	0.304	0	U,G	0.198	0.245	U,G	0.758
RR-04-25-SL	-0.0439	U,G	0.697	0	U,G	0.107	0.0915	U,G	0.251	0.127	U,G	0.236	-0.254	U,G	1.91
RR-05-05-SL	0.204	U,G	0.662	0.0236	U,G	0.117	-0.0474	U,G	0.282	0.0566	U,G	0.259	-0.188	U,G	1.29
RR-05-05-SL-FD	0.242	U,G	0.635	0.0393	U,G	0.128	0.0426	U,G	0.35	0	U,G	0.393	-0.139	U,G	1.5
RR-05-15-SL	0	U,G	0.512	0.026	U,G	0.0935	-0.00702	U,G	0.286	-0.0164	U,G	0.246	-0.0812	U,G	1.06
RR-05-25-SL	-0.151	U,G	0.778	-0.0333	U,G	0.126	0.0474	U,G	0.276	0.13	U,G	0.21	0	U,G	1.36
SW-02-01-SL	-0.00508	U,G	0.646	0.089	U,G	0.158	0.0289	U,G	0.325	0.0358	U,G	0.278	0.371	U,G	1.28
SW-02-09-SL	0.184	U,G	0.485	-0.0234	U,G	0.101	0.0138	U,G	0.269	0.054	U,G	0.246	0.226	U,G	0.858
SW-02-15-SL	0.115	U,G	0.454	-0.0419	U,G	0.133	0.0825	U,G	0.294	-0.0404	U,G	0.37	0.503	U,G	1.38
SW-02-23-SL	0.067	U,G	0.479	-0.00355	U,G	0.0963	0	U,G	0.227	-0.11	U,G	0.31	0.293	U,G	0.986
SW-05-08-SL	0.579	U,G	0.608	-0.00403	U,G	0.123	-0.11	U,G	0.345	-0.153	U,G	0.351	0.594	U,G	1.17
SW-05-12-SL	0.107	U,G	0.575	0.00193	U,G	0.101	0.0314	U,G	0.221	-0.159	U,G	0.361	0.0596	U,G	0.903
SW-06-05-SL	0.209	U,G	0.488	0.00267	U,G	0.106	0.13	U,G	0.174	0.0171	U,G	0.272	0.17	U,G	1.42
SW-06-05-SL-FD	0.203	U,G	0.57	-0.0277	U,G	0.111	0.062	U,G	0.292	0.136	U,G	0.213	0.15	U,G	0.909
SW-06-13-SL	0	U,G	0.703	-0.00781	U,G	0.107	-0.0782	U,G	0.362	-0.0248	U,G	0.372	-0.247	U,G	1.74
SW-06-23-SL	0.0378	U,G	0.684	0.0194	U,G	0.104	-0.0677	U,G	0.298	0.189	U,G	0.197	0.369	U,G	1.23
SW-07-05-SL	-0.00515	U,G	0.655	0.00061	U,G	0.0934	0.0737	U,G	0.208	0.0517	U,G	0.267	0.471	U,G	1.01

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Cobalt-56			Cobalt-57			Cobalt-58			Cobalt-60			Europium-152		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-07-15-SL	0.189	U,G	0.568	-0.025	U,G	0.121	0.0835	U,G	0.327	-0.0265	U,G	0.347	0	U,G	1.42
SW-07-23-SL	-0.14	U,G	0.683	-0.0323	U,G	0.106	-0.106	U,G	0.308	0.0246	U,G	0.278	0.125	U,G	1.23
SW-08-03-SL	0.0841	U,G	0.667	-0.00757	U,G	0.102	-0.00974	U,G	0.24	0.0726	U,G	0.291	-0.362	U,G	1.7
SW-08-05-SL	0.267	U,G	0.616	0.042	U,G	0.106	-0.0843	U,G	0.325	0.0366	U,G	0.335	0.318	U,G	1.48
SW-08-15-SL	-0.187	U,G	0.939	-0.0126	U,G	0.117	-0.026	U,G	0.322	0.0269	U,G	0.289	-0.134	U,G	1.61
SW-08-25-SL	-0.0126	U	0.339	0.0078	U	0.0699	0.00309	U	0.187	0.0721	U	0.134	0.143	U	0.664

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-13-09-SL	0.62	U,G	1.03	0.0326	U,G	0.392	0.141	U,G	1.02	0.108	U,G	0.61	1.07	G	0.237
BD-13-15-SL	-0.262	U,G	1.37	0.0582	U,G	0.419	0.0373	U,G	0.989	0.341	U,G	0.538	1.08	G	0.23
BD-13-23-SL	-0.336	U,G	1.17	0.0862	U,G	0.48	-0.324	U,G	1.34	0.115	U,G	0.67	1.24	G	0.276
BD-13-30-SL	0.0721	U,G	1.08	0.0385	U,G	0.424	-0.462	U,G	1.26	-0.0604	U,G	0.566	0.451	G	0.258
BD-14-05-SL	0	U,G	1.81	0.0998	U,G	0.347	0.277	U,G	0.841	-0.12	U,G	0.693	0.972	G	0.325
BD-14-13-SL	-0.538	U,G	1.52	0.104	U,G	0.338	-0.338	U,G	0.847	0.0993	U,G	0.525	0.751	G	0.27
BD-14-25-SL	-0.0942	U	1.71	0.174	U	0.244	0.179	U	0.795	-0.136	U	0.844	1.08		0.322
BD-14-31-SL	0	U	1.51	-0.0402	U	0.312	-0.456	U	1.14	0.255	U	0.509	0.532		0.308
BD-15-05-SL	0.072	U,G	1.28	-0.0025	U,G	0.431	0.233	U,G	0.825	0.135	U,G	0.534	0.872	G	0.322
BD-15-17-SL	0	U,G	1.82	0.051	U,G	0.408	-0.0857	U,G	1.31	0.319	U,G	0.723	1.41	G	0.467
BD-15-25-SL	-0.306	U	1.15	0.203	U	0.314	0.509	U	0.6	0.0582	U	0.507	0.997		0.254
BD-15-31-SL	-0.654	U,G	2.19	-0.114	U,G	0.398	-0.103	U,G	1.08	0.0154	U,G	0.817	0.936	G	0.341
BD-16-05-SL	0.523	U,G	1.13	0.0906	U,G	0.363	-0.679	U,G	1.68	0.0104	U,G	0.879	0.791	G	0.359
BD-16-15-SL	0	U,G	1.35	0.247	U,G	0.383	-0.599	U,G	1.38	-0.0752	U,G	0.564	1.13	G	0.231
BD-16-19-SL	-0.332	U,G	1.56	0.149	U,G	0.468	-0.0103	U,G	1.33	-0.385	U,G	0.877	1.6	G	0.282
BD-16-25-SL	0.349	U,G	1.52	0.0775	U,G	0.309	0.795	U,G	1.48	0.29	G,TI	0.157	0.973	G	0.432
BD-16-34-SL	-0.325	U,G	1.29	0.236	U,G	0.424	-0.236	U,G	1.22	-0.0387	U,G	0.702	0.837	G	0.314
BLD240-01-01	-0.2	U	1.03	0.14	U	0.39	0.1	U	0.94	-0.09	U	0.57	0.9		0.29
BLD240-01-09	0	U	1.24	0.12	U	0.46	-0.08	U	1.21	-0.26	U	0.64	0.71		0.35
BLD240-01-09FD	0	U	0.92	0.07	U	0.44	-0.24	U	1	0.03	U	0.51	1.15		0.25
BLD240-01-31															
BLD240-03-04	-0.57	U	1.59	0.26	U	0.39	0.23	U	1.11	-0.32	U	0.76	0.99		0.35
BLD240-03-04FD	-0.42	U	1.18	0.17	U	0.45	-0.06	U	1	0.03	U	0.66	1.34		0.31
BLD240-03-14															
BLD240-03-19	-0.26	U	1.59	0.15	U	0.42	0.19	U	0.95	0.14	U	0.63	0.96		0.36
BLD240-04-02	0.2	U	1.19	0.13	U	0.47	0.24	U	1.4	-0.14	U	0.68	0.85		0.26
BLD240-04-04	0	U	1.16	0.05	U	0.44	-0.2	U	1.73	-0.14	U	0.58	1.16		0.28
BLD240-04-33															
BLD240-05-01	0.08	U	1.33	0.25	U	0.37	-0.1	U	2.1	-0.2	U	0.71	1.11		0.32
BLD240-05-02	-0.47	U	1.42	0.07	U	0.46	0.5	U	2.7	0.58	U	0.74	1.01		0.32
BLD253-02-01	-0.22	U	0.98	-0.01	U	0.37	-0.02	U	1.36	0.09	U	0.38	0.077	U	0.164
BLD253-02-04	-0.36	U	1.31	0.29	U	0.56	-0.71	U	1.78	-0.37	U	0.85	1.2		0.26
BLD253-02-21FD	0.06	U	0.92	0.07	U	0.44	-0.35	U	1.73	0.07	U	0.57	0.84		0.28
BLD253-02-21															
BLD255-05-01															
BLD255-05-23															
BLD255-07-02	0.26	U	1.02	-0.01	U	0.4	-0.29	U	1.2	0	U	0.47	1.06		0.24
BLD255-07-15	0.47	U	1.31	0.09	U	0.36	-0.04	U	1.14	-0.08	U	0.71	0.94		0.34
BLD255-07-33															
BLD255-08-01	-0.2	U	1.04	0.83	U	0.92	-0.28	U	1.15	-0.22	U	0.58	0.66		0.3
BLD255-08-08	-0.33	U	1.61	0.08	U	0.42	0.53	U	1.22	-0.21	U	0.81	1.13		0.38
BLD260-06-01	-0.53	U	1.4	0.26	U	0.48	0.21	U	0.59	-0.03	U	0.36	0.98		0.27
BLD260-06-03	-0.52	U	1.7	0.04	U	0.43	0.08	U	0.89	0.26	U	0.5	1.08		0.34

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BLD260-06-31															
BP-13-05-SL	0.172	U,G	0.784	0.00531	U,G	0.41	0.356	U,G	1.38	0	U,G	0.719	0.91	G	0.298
BP-13-11-SL	-0.274	U,G	1.36	0.144	U,G	0.361	-0.118	U,G	1.57	0.111	U,G	0.589	1.16	G	0.253
BP-13-15-SL	0	U,G	1.27	0.228	U,G	0.341	-0.0138	U,G	2.11	-0.0859	U,G	0.805	0.895	G	0.312
BP-13-25-SL	-0.0142	U,G	1.8	-0.0171	U,G	0.504	0.236	U,G	1.97	0.471	U,G	0.556	1.28	G	0.361
BP-13-35-SL	-0.476	U,G	1.21	-0.0804	U,G	0.394	0.186	U,G	1.29	0.212	U,G	0.464	0.677	G	0.285
BP-17-05-SL	-0.324	U,G	1.71	0.0863	U,G	0.325	-0.283	U,G	1.7	0.143	U,G	0.603	0.736	G	0.284
BP-17-15-SL	-0.323	U	1.27	0.156	U	0.354	0.78	U	1.42	-0.176	U	0.664	0.888		0.242
BP-17-23-SL	0.0636	U,G	1.26	0.0743	U,G	0.42	0.31	U,G	0.942	0.0746	U,G	0.592	0.953	G	0.259
BP-17-31-SL	-0.205	U,G	1.86	-0.00456	U,G	0.361	0.228	U,G	1.09	-0.0908	U,G	0.85	0.97	G	0.357
BP-18-05-SL	-0.0842	U,G	1.67	0.254	U,G	0.478	-0.273	U,G	1.31	0.0959	U,G	0.685	0.854	G	0.37
BP-18-15-SL	0	U,G	1.65	0.166	U,G	0.344	-0.111	U,G	1.28	-0.0703	U,G	0.614	0.995	G	0.365
BP-18-25-SL	0.109	U,G	1.53	0.317	U,G	0.465	-0.17	U,G	1.45	-0.342	U,G	0.846	0.881	G	0.393
BP-18-31-SL	-0.153	U	0.82	-0.00638	U	0.304	0.0914	U	0.926	-0.15	U	0.422	0.233		0.198
BP-19-05-SL	0.104	U	0.942	0.0435	U	0.363	0.258	U	0.913	0	U	0.533	0.788		0.268
BP-19-13-SL	0.138	U	1.37	0.181	U	0.426	0	U	1.09	0.202	U	0.668	1.01		0.308
BP-19-25-SL	-0.371	U,G	1.05	-0.136	U,G	0.413	0.517	U,G	0.987	0.17	U,G	0.446	1	G	0.252
BP-19-29-SL	-0.184	U	1.21	0.0512	U	0.337	0.231	U	1.11	0.0226	U	0.628	0.634		0.318
BP-20-03-SL	-0.091	U	1.52	0.0303	U	0.316	0.0938	U	0.985	-0.0359	U	0.756	0.751		0.265
BP-20-19-SL	0.316	U,G	1.56	0.206	U,G	0.474	-0.105	U,G	1.28	0.0516	U,G	0.645	1.21	G	0.355
BP-20-27-SL	0.221	U	0.845	0.0768	U	0.324	0.0757	U	0.891	-0.248	U	0.562	0.306		0.231
BP-21-07-SL	-0.1	U,G	1.32	-0.0647	U,G	0.393	0.389	U,G	1.44	-0.0852	U,G	0.799	1.09	G	0.39
BP-21-07-SL-FD	-0.0862	U	1.57	-0.0149	U	0.494	0.422	U	1.34	0.159	U	0.612	1.06		0.315
BP-21-13-SL	-0.388	U	1.26	0.448	TI	0.325	0.483	U	0.899	0.0991	U	0.524	0.943		0.278
BP-21-24-SL	0.697	U,G	1.2	0.166	U,G	0.346	-0.11	U,G	1.57	0.333	U,G	0.566	0.801	G	0.35
BP-21-34-SL	-0.2	U	1.29	-0.114	U	0.394	-0.101	U	1.01	0.12	U	0.552	0.299		0.26
BP-22-05-SL	-0.341	U,G	1.41	0.0948	U,G	0.416	-0.0233	U,G	1.07	0.0704	U,G	0.685	0.707	G	0.277
BP-22-13-SL	-0.347	U,G	1.84	-0.015	U,G	0.452	0.491	U,G	1.1	-0.115	U,G	0.772	0.913	G	0.331
BP-22-23-SL	-0.016	U	1.01	0.02	U	0.4	0.305	U	0.984	-0.157	U	0.591	1.06		0.22
BP-22-33-SL	-0.409	U	1.36	-0.00182	U	0.242	0.0588	U	1.22	-0.0605	U	0.56	0.183	U	0.248
CB-02-05-SL	-0.225	U,G	1.25	0.0859	U,G	0.389	0.266	U,G	1.38	0.0572	U,G	0.53	1.11	G	0.364
CB-02-05-SL-FD	-0.258	U,G	1.71	0.052	U,G	0.57	-0.0729	U,G	1.75	-0.033	U,G	0.772	0.908	G	0.399
CB-02-15-SL	0.445	U,G	1.18	0.0227	U,G	0.437	0.275	U,G	1.6	-0.147	U,G	0.669	0.997	G	0.369
CB-02-25-SL	-0.0609	U,G	1.42	0.098	U,G	0.531	0.0689	U,G	1.69	-0.173	U,G	0.88	1.14	G	0.287
DM-02-05-SL	-1.42	U	2.72	0.276	U	0.51	0.983	U	1.36	0.0588	U	0.721	0.979		0.338
DM-02-17-SL	-0.317	U,G	1.41	0.363	U,G	0.374	0.0222	U,G	1.57	-0.0812	U,G	0.791	1.15	G	0.324
DM-02-22-SL	-1.23	U	2.41	1.04		0.603	0.389	U	1.83	0.327	U	0.554	0.78		0.382
DM-02-33-SL	-0.949	U	1.67	0.173	U	0.536	-0.391	U	1.39	-0.0664	U	0.625	0.73		0.288
DM-03-05-SL	-0.352	U,G	1.38	0.213	U,G	0.412	0.0551	U,G	1.69	-0.114	U,G	0.784	1.1	G	0.252
DM-03-05-SL-FD	0.326	U,G	1.17	0.0459	U,G	0.398	-0.0469	U,G	2.15	0.136	U,G	0.85	0.939	G	0.378
DM-03-13-SL	0.0579	U,G	1.15	0.116	U,G	0.393	0.697	U,G	1.32	-0.108	U,G	0.63	1.04	G	0.278
DM-03-25-SL	0.208	U,G	1.37	0.188	U,G	0.331	0.256	U,G	1.95	0.251	U,G	0.693	0.907	G	0.367
DM-03-34-SL	0.183	U,G	1.01	0.0591	U,G	0.369	0.281	U,G	1.53	-0.184	U,G	0.669	0.542	G	0.251

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
EP-13-03-SL	0	UJ	1.12	0.0995	UJ	0.551	0.0994	UJ	1.52	0.00759	UJ	0.639	1.07	J	0.341
EP-13-13-SL	0.317	UJ	1.68	0.24	U	0.352	-0.112	UJ	1.87	0.18	UJ	0.868	0.917	J	0.358
EP-13-25-SL	-0.224	UJ	1.4	0.108	UJ	0.439	-0.344	UJ	1.7	-0.076	UJ	0.704	1.09	J	0.244
EP-13-30-SL	-0.221	UJ	1.15	-0.25	UJ	0.419	-0.5	UJ	1.35	-0.0359	UJ	0.431	0.633	J	0.31
EP-14-05-SL	-0.116	UJ	1.74	-0.139	UJ	0.449	-0.623	UJ	1.8	-0.425	UJ	1.16	1.05	J	0.355
EP-14-13-SL	-0.0741	UJ	1.04	-0.0424	UJ	0.477	-0.145	UJ	1.44	-0.087	UJ	0.784	1.12	J	0.253
EP-14-25-SL	-0.163	UJ	1.58	0.193	UJ	0.479	0.209	UJ	1.59	0.22	UJ	0.663	1	J	0.352
EP-14-31-SL	0.144	UJ	1.28	0.125	UJ	0.352	-0.297	UJ	1.49	-0.296	UJ	0.645	0.611	J	0.308
EP-15-05-SL	-0.576	U,G	1.59	0.0503	U,G	0.545	-0.658	U,G	2.14	0.00729	U,G	0.803	0.696	G	0.343
EP-15-13-SL	-0.772	U,G	1.92	0.0327	U,G	0.52	0	U,G	1.93	-0.306	U,G	0.906	0.815	G	0.353
EP-15-25-SL	0.085	U	1.28	0.0397	U	0.242	0.274	U	1.8	-0.018	U	0.571	0.449		0.24
EP-15-29-SL	-0.303	U	1.52	0.284	U	0.458	-0.589	U	1.69	-0.188	U	0.715	0.905		0.314
EP-16-05-SL	-0.0701	U,G	1.41	0.202	U,G	0.387	-0.243	U,G	1.6	0.159	U,G	0.521	0.933	G	0.24
EP-16-15-SL	-0.624	U,G	1.44	0.162	U,G	0.403	0.112	U,G	1.49	-0.0179	U,G	0.498	0.914	G	0.296
EP-16-27-SL	0.0589	U	0.772	0.0202	U	0.249	0.466	U	0.822	0.146	U	0.298	0.0808	U	0.174
EP-17-05-SL	0.214	U,G	1.51	0.119	U,G	0.366	0.511	U,G	1.98	-0.108	U,G	1	1.3	G	0.308
EP-17-15-SL	-0.471	U,G	1.52	0.16	U,G	0.478	0.079	U,G	2.05	0.275	U,G	0.576	1.01	G	0.365
EP-17-25-SL	-0.341	U,G	1.98	-0.0354	U,G	0.401	1.12	U,G	1.84	0.163	U,G	0.685	0.909	G	0.39
EP-17-30-SL	0.171	U	1.12	-0.156	U	0.389	-0.563	U	1.73	0.13	U	0.55	0.166	U	0.291
EP-18-09-SL	-1.13	UJ	2.41	0.138	UJ	0.442	-0.479	UJ	2.35	0.268	UJ	0.74	0.788	J	0.397
EP-18-09-SL-FD	-0.299	UJ	1.32	0.0308	UJ	0.401	-0.0147	UJ	1.17	-0.0493	UJ	0.626	0.775	J	0.227
EP-18-15-SL	-0.106	UJ	1.06	0.0442	UJ	0.448	-0.147	UJ	1.41	0.384	U	0.576	0.876	J	0.321
EP-18-29-SL	0	UJ	1.59	0.207	UJ	0.342	-0.521	UJ	2.15	-0.147	UJ	0.869	0.701	J	0.404
EP-19-05-SL	0.892	U	1.21	0	UJ	0.506	0.782	U	1.16	-0.173	UJ	0.785	1.05	J	0.236
EP-19-13-SL	-0.51	UJ	1.54	-0.00266	UJ	0.59	-0.119	UJ	1.58	0.0393	UJ	0.684	0.818	J	0.311
EP-19-25-SL	0.431	UJ	1.18	0.169	UJ	0.418	0.353	UJ	1.47	0.154	UJ	0.611	1.01	J	0.24
EP-19-31-SL	0.0342	UJ	1.21	-0.0814	UJ	0.417	0.044	UJ	1.26	-0.0959	UJ	0.689	1.07	J	0.22
EP-20-05-SL	-0.0766	U,G	1.39	0.105	U,G	0.424	0.0288	U,G	1.16	0.164	U,G	0.628	1.29	G	0.28
EP-20-15-SL	0.102	U,G	1.62	-0.0159	U,G	0.392	-0.242	U,G	1.59	0.19	U,G	0.583	1.16	G	0.349
EP-20-25-SL	-0.472	U,G	1.36	-0.134	U,G	0.409	-0.0717	U,G	1.04	0.262	U,G	0.573	1.06	G	0.262
LF-06-05-SL	0.289	U,G	1.15	-0.028	U,G	0.432	-0.458	U,G	1.26	0.0789	U,G	0.592	0.857	G	0.294
LF-06-13-SL	0.721	U,G	1.15	-0.0674	U,G	0.415	-0.144	U,G	1.01	0.198	U,G	0.511	1.17	G	0.246
LF-06-27-SL	0.653	U,G	1.21	-0.088	U,G	0.414	0.166	U,G	0.984	0.0941	U,G	0.559	1.11	G	0.203
LF-06-32-SL	0.199	U,G	0.908	-0.0758	U,G	0.34	-0.249	U,G	0.937	0	U,G	0.543	0.232	G	0.18
LF--07-09-SL	-0.471	U,G	1.47	0.0748	U,G	0.433	-0.468	U,G	1.47	0.0396	U,G	0.628	1.03	G	0.31
LF-07-15-SL	-0.137	U,G	1.42	-0.145	U,G	0.442	0.0264	U,G	1.21	-0.111	U,G	0.698	0.772	G	0.293
LF-07-25-SL	0.904	U,G	1.07	0.17	U,G	0.529	0.848	U,G	1.31	-0.0852	U,G	0.845	0.901	G	0.326
LF-07-34-SL	0.309	U,G	1.35	0.032	U,G	0.353	0.246	U,G	1.42	0.141	U,G	0.592	0.356	G	0.308
LF-08-05-SL	-0.319	U,G	1.69	0.0142	U,G	0.384	-0.167	U,G	1.66	-0.318	U,G	0.955	0.923	G	0.388
LF-08-05-SL-FD	-0.364	U,G	1.23	0.214	U,G	0.35	-0.356	U,G	1.46	0.253	U,G	0.473	0.919	G	0.279
LF-08-15-SL	-0.147	U,G	1.22	0.0953	U,G	0.444	0.279	U,G	1.33	0.11	U,G	0.682	1.05	G	0.29
LF-08-21-SL	0.382	U,G	1.47	-0.177	U,G	0.643	0.617	U,G	1.5	0.0592	U,G	0.741	1.01	G	0.409
LF-08-37-SL	0.396	U,G	1.06	0.0857	U,G	0.281	0.765	U,G	1.26	0.0301	U,G	0.638	0.0815	U,G	0.225

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
LF-09-03-SL	0.411	U,G	1.3	0.0471	U,G	0.449	0.177	U,G	1.48	-0.161	U,G	0.729	0.826	G	0.308
LF-09-17-SL	-0.421	U,G	1.67	-0.119	U,G	0.603	-0.13	U,G	1.53	-0.0741	U,G	0.742	0.893	G	0.378
LF-09-25-SL	0.238	U,G	1.19	0.215	U,G	0.486	-0.557	U,G	1.75	0.0199	U,G	0.552	1.28	G	0.305
LF-09-31-SL	-0.195	U,G	1.19	-0.228	U,G	0.476	0.175	U,G	1.21	0.0569	U,G	0.562	0.177	U,G	0.341
NB-28-04-SL	0.704	U,G	1.11	0.121	U,G	0.469	0.425	U,G	2.58	-0.0465	U,G	0.935	0.714	G	0.35
NB-28-14-SL	-0.308	U,G	1.79	0.0823	U,G	0.343	1.16	U,G	2.51	0.255	U,G	0.867	0.979	G	0.384
NB-28-24-SL	0.333	U,G	1.15	-0.0914	U,G	0.392	0.184	U,G	2.04	-0.0445	U,G	0.651	0.723	G	0.228
NB-28-35-SL	0.267	U,G	1.04	-0.214	U,G	0.35	0.806	U,G	1.48	0.0433	U,G	0.578	0.185	U,G	0.218
NB-29-05-SL	0.107	U,G	1.87	-0.0191	U,G	0.378	-1.7	U,G	3.53	0.0242	U,G	0.903	0.777	G	0.33
NB-29-14-SL	0.018	U,G	1.07	0.0736	U,G	0.298	0.234	U,G	1.78	-0.0129	U,G	0.558	-0.0284	U,G	0.228
NB-29-22-SL	0.0259	U	0.774	0.179	U	0.21	-0.0859	U	1.22	0.0677	U	0.406	-0.0341	U	0.21
NB-30-05-SL	-0.0659	U,G	1.54	0.283	U,G	0.506	-0.824	U,G	1.96	-0.225	U,G	0.91	0.771	G	0.376
NB-30-15-SL	-0.26	U,G	1.73	-0.136	U,G	0.577	0.132	U,G	1.56	0.0923	U,G	0.781	1.06	G	0.382
NB-30-25-SL	0.429	U,G	1.51	0.00477	U,G	0.425	0.392	U,G	1.63	-0.0382	U,G	0.869	0.856	G	0.416
NB-30-33-SL	0.253	U,G	1.27	0.0611	U,G	0.367	0	U,G	1.37	0.0128	U,G	0.639	0.502	G	0.263
NB-31-05-SL	0	U,G	1.71	-0.0936	U,G	0.436	0.0694	U,G	1.8	0.0231	U,G	0.865	0.845	G	0.405
NB-31-15-SL	0.142	U,G	1.07	-0.0515	U,G	0.435	-0.458	U,G	1.62	-0.104	U,G	0.632	0.948	G	0.304
NB-31-27-SL	0.02	U,G	1.41	0.242	U,G	0.475	0	U,G	1.55	0.189	U,G	0.51	0.931	G	0.293
NB-31-32-SL	0	U,G	1.41	0.122	U,G	0.308	-0.722	U,G	1.78	0.0865	U,G	0.578	0.502	G	0.338
NB-32-05-SL	0	U,G	1.5	0.0118	U,G	0.407	0.0127	U,G	1.52	-0.328	U,G	1.04	1.16	G	0.386
NB-32-15-SL	0	U,G	1.72	0.0435	U,G	0.377	0.246	U,G	1.42	-0.0313	U,G	0.78	0.763	G	0.393
NB-32-27-SL	-0.34	U,G	1.53	0.142	U,G	0.392	-0.43	U,G	1.53	0	U,G	0.489	0.856	G	0.336
NB-32-33-SL	0	U,G	1.47	0.105	U,G	0.327	-0.81	U,G	1.88	0.0149	U,G	0.791	0.701	G	0.345
NB-33-05-SL	-0.153	U,G	1.36	0.109	U,G	0.391	0.0869	U,G	1.33	0	U,G	0.669	0.963	G	0.314
NB-33-15-SL	-0.416	U,G	1.56	0.0485	U,G	0.33	-0.0125	U,G	1.61	-0.0316	U,G	0.787	1.16	G	0.28
NB-33-27-SL	0.417	U	0.81	0.0181	U	0.318	0.099	U	1.03	-0.229	U	0.638	0.469		0.244
NB-34-05-SL	0.315	U,G	1.48	0.138	U,G	0.344	-0.341	U,G	1.74	-0.0479	U,G	0.942	0.888	G	0.391
NB-34-15-SL	0.561	U,G	0.941	-0.105	U,G	0.496	0.134	U,G	1.36	-0.267	U,G	0.766	0.913	G	0.306
NB-34-25-SL	-0.255	U	1.2	0.0699	U	0.261	-0.665	U	1.49	0.0732	U	0.49	0.436		0.28
NB-35-01-SL	-0.104	U,G	1.65	0.136	U,G	0.342	0.341	U,G	1.26	-0.0858	U,G	0.805	1.12	G	0.41
NB-35-15-SL	-0.497	U,G	1.87	-0.119	U,G	0.409	0.382	U,G	1.2	-0.193	U,G	0.892	1.05	G	0.384
NB-35-25-SL	-0.143	U,G	1.44	0.0656	U,G	0.477	0.226	U,G	0.943	-0.0585	U,G	0.548	1.04	G	0.326
NB-36-05-SL	0.348	U,G	0.837	0	U,G	0.464	0.574	U,G	0.919	0.15	U,G	0.464	1.16	G	0.248
NB-36-15-SL	-0.783	U,G	2.14	0.252	U,G	0.306	0.313	U,G	0.965	0.019	U,G	0.71	1.2	G	0.413
NB-36-27-SL	-0.19	U	1.59	0.163	U	0.282	-0.233	U	1.2	0.384	U	0.737	1.19		0.334
NB-37-05-SL	0.0134	U,G	1.47	-0.146	U,G	0.554	-0.114	U,G	1.48	-0.113	U,G	0.731	0.912	G	0.34
NB-37-15-SL	-0.295	U,G	1.56	0.0983	U,G	0.368	0.283	U,G	1.26	-0.182	U,G	0.782	0.731	G	0.372
NB-37-25-SL	0.0807	U,G	1.42	0.045	U,G	0.471	-0.212	U,G	1.25	0.0431	U,G	0.677	0.935	G	0.348
NB-38-09-SL	0.0761	U,G	1.19	0.0145	U,G	0.363	-0.0972	U,G	0.973	0.0825	U,G	0.548	1.05	G	0.233
NB-38-15-SL	0.0197	U	1.12	0.169	U	0.34	0.264	U	0.881	-0.0401	U	0.644	0.956		0.225
NB-38-25-SL	0.433	U	1.13	0.0433	U	0.374	-0.139	U	0.961	0.221	U	0.512	1.03		0.228
NB-39-05-SL	0.194	U,G	1.39	-0.218	U,G	0.519	-0.382	U,G	1.95	-0.14	U,G	0.943	0.962	G	0.334
NB-39-15-SL	0.386	U,G	0.984	-0.0168	U,G	0.441	0.876	U,G	1.3	0.0718	U,G	0.598	0.877	G	0.254

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-39-25-SL	-0.0973	U,G	1.27	0.0735	U,G	0.369	-0.611	U,G	1.86	-0.0356	U,G	0.81	0.969	G	0.327
NB-39-30-SL	-0.461	U,G	1.45	-0.0477	U,G	0.475	-0.437	U,G	1.89	0.219	U,G	0.684	0.716	G	0.373
NB-40-05-SL	-0.196	U,G	1.64	0.227	U,G	0.307	-1.26	U,G	2.53	0.0728	U,G	0.778	0.787	G	0.3
NB-40-05-SL-FD	-0.111	U	1.22	0.13	U	0.35	0.0613	U	1.24	0.0516	U	0.616	0.861		0.217
NB-40-17-SL	0.179	U,G	1.4	-0.0802	U,G	0.491	0.398	U,G	1.95	-0.028	U,G	0.7	1.13	G	0.345
NB-40-25-SL	0	U	1.23	0.0677	U	0.258	0.446	U	0.953	0.207	U	0.64	0.387		0.312
NB-40-31-SL	-0.519	U	1.16	-0.026	U	0.3	0.00292	U	1.2	0.186	U	0.451	0.202		0.187
NB-41-05-SL	-0.348	U	1.32	0.087	U	0.37	-0.265	U	1.75	0.0124	U	0.623	0.756		0.264
NB-41-13-SL	-0.154	U	1.01	-0.0274	U	0.24	-0.011	U	1.42	-0.161	U	0.745	0.118	U	0.217
NB-41-19-SL	0.292	U,G	1.11	0.0476	U,G	0.358	0.39	U,G	1.26	0.107	U,G	0.558	0.186	U,G	0.21
NB-42-05-SL	-0.283	U,G	1.18	0.305	U,G	0.399	-0.171	U,G	1.82	-0.0438	U,G	0.732	0.459	G	0.342
NB-42-13-SL	0.168	U	0.907	-0.0955	U	0.316	-0.0726	U	1.51	-0.26	U	0.78	0.271		0.236
NB-42-23-SL	0.0828	U	0.975	0.112	U	0.272	0.351	U	1.04	0.11	U	0.487	0.0241	U	0.168
NB-43-05-SL	-0.544	U,G	1.28	0.286	U,G	0.365	-0.363	U,G	1.52	-0.0528	U,G	0.488	0.578	G	0.287
NB-43-13-SL	-0.107	U	1.07	-0.0647	U	0.365	0.0596	U	1.4	0.0529	U	0.459	0.288		0.23
NB-44-05-SL	0.0829	U	0.995	0.0129	U	0.255	-0.37	U	1.54	0.0694	U	0.551	0.355		0.213
NB-44-05-SL-FD	0.525	U,G	0.866	0.0145	U,G	0.301	-0.331	U,G	1.25	-0.0589	U,G	0.51	-0.0106	U,G	0.186
NB-44-11-SL	-0.112	U	0.787	-0.0874	U	0.324	-0.597	U	1.35	-0.162	U	0.432	0.128	U	0.2
NB-44-18-SL	-0.581	U	1.25	0.171	U	0.364	-0.606	U	1.46	0.119	U	0.502	0.196	U	0.204
NB-45-05-SL	0.222	U,G	1.19	0.222	U,G	0.335	-0.0472	U,G	2.17	-0.15	U,G	0.865	0.822	G	0.329
NB-45-05-SL-FD	-0.112	U,G	1.58	0.0946	U,G	0.384	-0.0956	U,G	1.99	-0.0292	U,G	0.812	0.77	G	0.301
NB-45-13-SL	0.21	U,G	1.26	-0.0514	U,G	0.389	1.19	U,G	1.82	0.0714	U,G	0.876	1	G	0.318
NB-45-25-SL	-0.111	U,G	1.33	0.069	U,G	0.391	0.91	U,G	1.76	-0.104	U,G	0.978	0.947	G	0.347
NB-45-33-SL	0.17	U	0.981	0.0281	U	0.313	-0.555	U	1.3	0.0114	U	0.521	0.566		0.189
NB-46-09-SL	0.37	U	1.39	-0.123	U	0.334	0.265	U	1.53	-0.164	U	1.03	0.856		0.319
NB-46-17-SL	0.244	U,G	1.14	-0.0891	U,G	0.372	0.276	U,G	1.27	0.0684	U,G	0.624	0.938	G	0.208
NB-46-25-SL	-1.18	U,G	1.73	0.0466	U,G	0.481	-0.356	U,G	2.04	0.5	U,G	0.593	0.844	G	0.355
NB-46-29-SL	-0.402	U,G	1.25	0.0354	U,G	0.337	-0.165	U,G	1.46	-0.0353	U,G	0.64	0.581	G	0.293
NB-47-05-SL	0	U	1.08	-0.122	U	0.428	-0.281	U	1.72	-0.211	U	0.681	0.781		0.271
NB-47-15-SL	0.0886	U,G	1.44	0.103	U,G	0.413	-0.0989	U,G	1.94	-0.24	U,G	0.804	1.2	G	0.367
NB-47-25-SL	0	U,G	1.58	0.0895	U,G	0.373	0.345	U,G	1.99	0.0948	U,G	0.753	1.09	G	0.424
NB-47-31-SL	-0.521	U,G	1.35	0	U,G	0.463	-0.0646	U,G	1.88	-0.211	U,G	0.836	0.859	G	0.299
NB-48-05-SL	-0.131	U,G	1.32	0.166	U,G	0.491	-0.969	U,G	2.16	0.0362	U,G	0.81	0.614	G	0.377
NB-48-11-SL	-0.00598	U,G	1.23	0.252	U,G	0.4	-0.316	U,G	1.87	0.113	U,G	0.63	1.08	G	0.25
NB-48-15-SL	0	U,G	1.63	0.171	U,G	0.385	0.175	U,G	2.06	-0.212	U,G	0.964	1.01	G	0.309
NB-48-25-SL	0.488	U,G	1.11	-0.00533	U,G	0.454	0.109	U,G	1.94	0.0475	U,G	0.582	1.29	G	0.264
NB-48-35-SL	0.151	U,G	1.5	0	U,G	0.472	-0.527	U,G	2.12	-0.0464	U,G	0.843	0.734	G	0.329
NB-49-05-SL	-0.333	U,G	1.62	0	U,G	0.569	0.546	U,G	1.79	0.0441	U,G	0.875	0.797	G	0.424
NB-49-05-SL-FD	-0.408	U,G	1.78	0.229	U,G	0.302	0.232	U,G	1.94	-0.0905	U,G	0.848	0.846	G	0.356
NB-49-15-SL	0.396	U,G	0.94	0.084	U,G	0.508	0.46	U,G	1.92	-0.0757	U,G	0.759	1.3	G	0.396
NB-49-25-SL	0.359	U,G	1.12	-0.0164	U,G	0.443	0.545	U,G	1.58	-0.163	U,G	0.794	1.05	G	0.324
NB-49-37-SL	-0.491	U,G	1.91	0.157	U,G	0.327	0.421	U,G	1.76	-0.195	U,G	0.865	0.645	G	0.331
NB-50-05-SL	0.0132	U,G	1.46	0.064	U,G	0.542	-0.586	U,G	1.9	0.134	U,G	0.723	0.879	G	0.402

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-50-15-SL	-0.368	U,G	1.45	-0.185	U,G	0.471	0.184	U,G	1.54	-0.119	U,G	0.718	1.15	G	0.34
NB-50-25-SL	-0.205	U,G	1.54	0.142	U,G	0.352	-0.663	U,G	2.03	-0.0913	U,G	0.855	0.915	G	0.412
NB-50-37-SL	-0.0662	U	0.993	0.174	U	0.324	0.266	U	1.55	-0.0992	U	0.606	0.413		0.256
NB-51-05-SL	0	U,G	1.27	-0.0454	U,G	0.471	0.384	U,G	1.51	0.232	U,G	0.541	0.977	G	0.33
NB-51-13-SL	-0.607	U,G	1.89	0.264	U,G	0.53	0.0757	U,G	1.86	-0.124	U,G	0.812	1.11	G	0.396
NB-51-25-SL	-0.0999	U,G	1.26	0.22	U,G	0.384	0.413	U,G	1.62	-0.208	U,G	0.783	1.07	G	0.293
NB-51-37-SL	-0.288	U,G	1.31	0.077	U,G	0.436	-0.548	U,G	1.94	0.171	U,G	0.474	1.14	G	0.29
NB-52-05-SL	-0.214	U,G	1.51	0.128	U,G	0.387	0.495	U,G	1.83	0.32	U,G	0.539	0.641	G	0.394
NB-52-13-SL	-0.327	U,G	1.62	0.148	U,G	0.478	0.978	U,G	1.57	-0.0803	U,G	0.8	0.631	G	0.362
NB-52-25-SL	-0.101	U,G	1.27	-0.0281	U,G	0.468	0.736	U,G	1.46	0.207	U,G	0.751	1.03	G	0.323
NB-52-35-SL	0.515	U,G	1.24	0.0663	U,G	0.338	0.164	U,G	2.04	0.133	U,G	0.737	0.752	G	0.36
NB-53-05-SL	-0.278	U,G	1.1	0.104	U,G	0.448	0.0936	U,G	1.43	0.338	U,G	0.493	0.853	G	0.309
NB-53-13-SL	-0.0827	U,G	1.17	0.0813	U,G	0.416	-0.628	U,G	1.6	0.0364	U,G	0.66	1.25	G	0.23
NB-53-23-SL	0.215	U,G	1.71	0.18	U,G	0.306	0.917	U,G	1.5	0.139	U,G	0.771	0.702	G	0.332
NB-53-33-SL	0.11	U,G	0.994	0.0631	U,G	0.374	-0.374	U,G	1.56	-0.145	U,G	0.659	0.784	G	0.296
NB-54-05-SL	-0.332	U,G	1.7	-0.0786	U,G	0.533	0.134	U,G	1.47	0.12	U,G	0.793	0.705	G	0.36
NB-54-13-SL	-0.0781	U,G	1.63	0.103	U,G	0.545	-0.225	U,G	1.8	-0.132	U,G	0.87	0.883	G	0.334
NB-54-25-SL	0	U,G	1.46	-0.0459	U,G	0.364	0.142	U,G	1.9	0.0268	U,G	0.743	0.804	G	0.422
NB-54-31-SL	0.0344	U	0.811	0.0594	U	0.291	0.366	U	1.12	-0.0785	U	0.48	0.164	U	0.191
NB-55-05-SL	-0.404	U,G	1.68	-0.114	U,G	0.378	1.07	U,G	1.38	0.0105	U,G	0.883	0.794	G	0.314
NB-55-13-SL	-0.334	U,G	1.72	0.0316	U,G	0.502	0.209	U,G	1.94	-0.0337	U,G	0.742	1.06	G	0.335
NB-55-25-SL	-1.17	U,G	1.91	0.00435	U,G	0.363	-1.12	U,G	1.97	-0.198	U,G	0.9	0.879	G	0.315
NB-55-33-SL	-0.0406	U	1.02	-0.0368	U	0.319	-0.166	U	1.36	-0.05	U	0.498	0.103	U	0.172
NB-56-05-SL	0.0602	U	1.13	0.1	U	0.352	0.138	U	1.39	0	U	0.54	1.01		0.265
NB-56-13-SL	-0.563	U,G	1.63	0.272	U,G	0.496	-0.145	U,G	1.78	0.0514	U,G	0.721	1.08	G	0.384
NB-56-25-SL	0.357	U,G	1.15	0.0877	U,G	0.415	0.493	U,G	1.67	0.0793	U,G	0.559	0.926	G	0.293
NB-56-33-SL	0.444	U	0.927	0.122	U	0.365	0.185	U	1.16	0.0582	U	0.44	0.249	U	0.283
NB-57-05-SL	0.423	U,G	1.41	0.13	U,G	0.538	0.136	U,G	1.77	-0.0412	U,G	0.816	0.852	G	0.398
NB-57-05-SL-FD	0.258	U,G	1.29	0.281	U,G	0.427	-0.197	U,G	1.8	0.0364	U,G	0.814	1.06	G	0.343
NB-57-15-SL	0.11	U,G	1.22	0.187	U,G	0.44	0.724	U,G	1.19	0.126	U,G	0.726	0.767	G	0.328
NB-57-29-SL	-0.286	U,G	1.2	-0.0268	U,G	0.429	0.781	U,G	1.13	-0.0717	U,G	0.722	1.03	G	0.283
NB-57-34-SL	-0.234	U,G	1.56	0.107	U,G	0.444	0.583	U,G	1.45	0.101	U,G	0.536	0.545	G	0.348
NB-58-05-SL	-0.169	U,G	1.09	-0.0252	U,G	0.355	-0.345	U,G	1.66	-0.0372	U,G	0.675	1.02	G	0.291
NB-58-15-SL	0.538	U,G	1.32	0.152	U,G	0.573	0.574	U,G	1.69	-0.326	U,G	1.04	0.781	G	0.381
NB-58-29-SL	-0.166	U,G	1.26	0.0719	U,G	0.449	0.0108	U,G	1.57	-0.0786	U,G	0.655	1.29	G	0.288
NB-58-36-SL	-0.0496	U,G	1.24	-0.0449	U,G	0.458	-0.638	U,G	1.6	0.0921	U,G	0.601	0.748	G	0.305
NB-59-05-SL	-0.144	U,G	1.28	0.0775	U,G	0.38	0.162	U,G	1.36	0.0739	U,G	0.586	0.935	G	0.224
NB-59-13-SL	0.25	U,G	1.44	0.0952	U,G	0.538	-0.43	U,G	1.99	0.208	U,G	0.78	0.862	G	0.361
NB-59-25-SL	-0.168	U,G	0.99	0.0411	U,G	0.357	-0.187	U,G	1.55	0.144	U,G	0.473	1.28	G	0.256
NB-59-31-SL	0.293	U,G	1.17	0.0413	U,G	0.33	-0.0276	U,G	1.85	0.189	U,G	0.579	0.308	G	0.277
NB-60-05-SL	-0.161	U,G	1.33	-0.0349	U,G	0.464	0.154	U,G	1.09	-0.0746	U,G	0.677	0.958	G	0.256
NB-60-13-SL	0.224	U,G	1.95	-0.00995	U,G	0.415	0.389	U,G	1.26	0.152	U,G	0.531	0.88	G	0.43
NB-60-23-SL	0.251	U,G	1.15	0.284	U,G	0.347	0.166	U,G	0.939	-0.1	U,G	0.647	1.04	G	0.251

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-60-31-SL	0.213	U,G	1.28	0.0474	U,G	0.297	0.712	U,G	1	0.356	U,G	0.512	0.322	G	0.296
NB-61-05-SL	0.013	U,G	1.43	-0.0313	U,G	0.515	0.221	U,G	1.35	-0.19	U,G	0.736	0.93	G	0.318
NB-61-13-SL	-0.632	U,G	1.98	-0.236	U,G	0.438	-0.256	U,G	1.65	-0.0895	U,G	0.839	1.01	G	0.346
NB-61-23-SL	-0.224	U,G	1.48	0	U,G	0.511	-0.106	U,G	1.28	-0.396	U,G	0.921	0.657	G	0.367
NB-61-28-SL	-0.323	U	1.15	-0.0359	U	0.316	-0.0528	U	0.977	0.16	U	0.298	0.384		0.194
NB-62-05-SL	-0.103	U,G	1.35	0.0822	U,G	0.31	0.342	U,G	1.92	0.086	U,G	0.683	0.661	G	0.339
NB-62-12-SL	0.177	U,G	0.975	0.0999	U,G	0.285	-0.0838	U,G	1.1	-0.214	U,G	0.594	0.214	G,TI	0.183
NB-62-22-SL	-0.193	U,G	1.36	0.15	U,G	0.281	0.631	U,G	1.55	-0.182	U,G	0.757	0.0728	U,G	0.297
NB-63-05-SL	0.438	U,G	1.44	0.017	U,G	0.37	0.103	U,G	1.22	0.439	U,G	0.782	0.669	G	0.33
NB-63-13-SL	0.209	U,G	0.985	0.142	U,G	0.43	-0.434	U,G	1.15	0.204	U,G	0.55	0.291	U,G	0.305
NB-63-19-SL	-0.0926	U	0.931	-0.025	U	0.278	-0.0298	U	0.716	0.0311	U	0.466	0.429		0.242
NB-64-05-SL	0.233	U,G	1.34	0.127	U,G	0.408	0.00832	U,G	1	0	U,G	0.681	0.509	G	0.26
NB-64-13-SL	0.304	U,G	1.09	0.144	U,G	0.294	-0.263	U,G	1.33	-0.181	U,G	0.782	0.249	U,G	0.344
NB-64-17-SL	-0.171	U,G	0.914	-0.0356	U,G	0.304	-0.135	U,G	0.901	0.0658	U,G	0.354	0.123	U,G	0.196
NB-65-05-SL	-0.2	U,G	1.6	0.0429	U,G	0.39	0.233	U,G	1.1	0	U,G	0.619	0.559	G	0.326
NB-65-13-SL	-0.575	U,G	1.46	0.0903	U,G	0.344	-0.152	U,G	1	0.0357	U,G	0.567	0.857	G	0.313
NB-65-17-SL	0.102	U,G	1.1	-0.0431	U,G	0.265	0.00944	U,G	1.14	0.143	U,G	0.38	0.164	U,G	0.275
NB-66-05-SL	0	U,G	1.59	0.0645	U,G	0.365	0.0939	U,G	1.44	-0.156	U,G	0.921	0.497	G	0.417
NB-66-05-SL-FD	-0.262	U,G	1.85	0.268	U,G	0.314	0.523	U,G	1.19	-0.345	U,G	0.872	0.574	G	0.401
NB-66-15-SL	-0.467	U,G	1.42	-0.131	U,G	0.481	0.318	U,G	1.04	-0.634	U,G	0.892	0.477	G	0.341
NB-66-19-SL	-0.219	U	0.988	0.00684	U	0.292	0.259	U	0.726	0.156	U	0.441	0.218	U	0.256
NB-67-05-SL	0	U,G	1.32	0.144	U,G	0.326	0.432	U,G	1.06	-0.0845	U,G	0.79	0.802	G	0.378
NB-67-11-SL	0.412	U,G	0.949	0.0524	U,G	0.286	0.116	U,G	0.702	0.119	U,G	0.412	-0.0416	U,G	0.216
NB-67-21-SL	0.474	U	1.01	-0.0643	U	0.357	-0.229	U	0.954	0.0743	U	0.485	0.116	U	0.196
NB-68-05-SL	-0.00574	U,G	1.26	0.0246	U,G	0.401	-0.302	U,G	0.897	-0.369	U,G	0.716	0.979	G	0.239
NB-68-13-SL	0.3	U,G	1.31	0.102	U,G	0.322	-0.436	U,G	1.37	0.162	U,G	0.713	0.985	G	0.305
NB-68-17-SL	-0.219	U,G	1.4	-0.0801	U,G	0.532	-0.308	U,G	1.16	0.321	U,G	0.559	0.707	G	0.315
NB-68-25-SL	-0.364	U,G	1.26	-0.0321	U,G	0.481	-0.0535	U,G	0.989	0.04	U,G	0.48	1.27	G	0.348
NB-68-33-SL	0.193	U,G	1.16	-0.0321	U,G	0.306	-0.0332	U,G	0.958	-0.0691	U,G	0.64	0.308	G	0.291
NB-69-05-SL	0.724	U,G	1.06	-0.275	U,G	0.407	-0.109	U,G	0.758	-0.00368	U,G	0.592	0.997	G	0.199
NB-69-15-SL	0.0355	U,G	1.03	0.0796	U,G	0.297	0.0199	U,G	0.742	-0.18	U,G	0.607	0.544	G	0.242
NB-69-22-SL	0.127	U,G	1.34	-0.0266	U,G	0.406	-0.31	U,G	0.919	0.299	U,G	0.488	0.742	G	0.299
NB-69-34-SL	0.169	U	1.04	-0.00718	U	0.333	0.0684	U	0.698	-0.0357	U	0.475	0.644		0.209
NB-70-05-SL	0.0465	U,G	1.18	0.0625	U,G	0.375	0.0471	U,G	0.788	-0.0233	U,G	0.517	0.781	G	0.221
NB-70-15-SL	0.0119	U,G	1.36	0.142	U,G	0.419	-0.0198	U,G	0.907	-0.0681	U,G	0.511	1.16	G	0.307
NB-70-23-SL	-0.0778	U,G	1.32	-0.0171	U,G	0.385	-0.408	U,G	1.07	-0.193	U,G	0.737	0.854	G	0.218
NB-70-33-SL	-0.612	U,G	1.32	-0.0546	U,G	0.401	0.296	U,G	0.792	-0.165	U,G	0.662	0.826	G	0.222
NB-71-01-SL	0.225	U,G	1.19	0.177	U,G	0.441	-0.116	U,G	0.858	0.0824	U,G	0.571	0.969	G	0.296
NB-71-01-SL-FD	0.191	U,G	1.49	-0.0342	U,G	0.562	0.253	U,G	1.24	-0.197	U,G	0.749	1.24	G	0.376
NB-71-11-SL	0.291	U,G	1.37	0.0302	U,G	0.333	-0.126	U,G	1.2	-0.178	U,G	0.791	0.959	G	0.327
NB-71-27-SL	-0.208	U,G	1.15	-0.1	U,G	0.384	-0.0217	U,G	0.995	0.192	U,G	0.324	0.33	G	0.267
NB-72-05-SL	-0.0656	U,G	1.44	-0.127	U,G	0.466	1.04	G,TI	0.854	0.363	U,G	0.521	0.386	G	0.32
NB-72-11-SL	0.991	U,G	1.49	0.143	U,G	0.313	-0.3	U,G	1.21	0.042	U,G	0.682	0.352	G	0.312

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-72-19-SL	-0.00751	U	0.998	-0.0501	U	0.34	-0.398	U	1.27	0.0272	U	0.53	0.548		0.19
NB-72-22-SL	-0.174	U	1.23	0.029	U	0.276	-0.301	U	1.05	0.0127	U	0.672	0.148	U	0.238
NB-73-05-SL	-0.776	U,G	1.76	0.113	U,G	0.28	0.0936	U,G	1.15	-0.183	U,G	0.683	0.241	U,G	0.25
NB-73-13-SL	-0.308	U,G	1.45	0.057	U,G	0.315	0.126	U,G	1.16	-0.0797	U,G	0.745	0.0752	U,G	0.299
NB-73-23-SL	-0.0926	U	1.39	-0.00206	U	0.24	-0.393	U	1.2	0.126	U	0.439	0.119	U	0.264
NB-74-05-SL	0.125	U,G	1.29	0.00812	U,G	0.407	0.0853	U,G	1.01	-0.104	U,G	0.618	1.03	G	0.239
NB-74-17-SL	-0.457	U,G	1.43	-0.064	U,G	0.518	0.0522	U,G	1.3	-0.0408	U,G	0.715	1.05	G	0.277
NB-74-25-SL	0.164	U,G	1.5	-0.238	U,G	0.585	0.0515	U,G	1.13	0.0898	U,G	0.642	0.7	G	0.39
NB-74-33-SL	-0.145	U,G	1.11	-0.0443	U,G	0.344	-0.159	U,G	1.02	0.263	U,G	0.394	0.14	U,G	0.222
NB-75-08-SL	-0.347	U,G	1.21	0.0238	U,G	0.447	-0.49	U,G	1.18	0.048	U,G	0.512	0.724	G	0.316
NB-75-15-SL	0.953	G,TI	0.842	-0.211	U,G	0.536	-0.159	U,G	1.19	-0.071	U,G	0.708	0.628	G	0.36
NB-75-19-SL	-0.122	U	1.26	0.06	U	0.324	0.248	U	0.893	0.0659	U	0.355	0.195	U	0.217
NB-76-06-SL	0.0394	U,G	1.17	-0.317	U,G	0.521	0.332	U,G	0.925	-0.0126	U,G	0.478	0.00868	U,G	0.32
NB-76-10-SL	-0.221	U	0.92	-0.0135	U	0.305	-0.211	U	0.706	-0.0623	U	0.494	0.0926	U	0.204
NB-76-24-SL	0.256	U	1.03	0.0171	U	0.243	0.408	U	0.884	0.0538	U	0.66	0.262		0.224
NB-77-05-SL	0.201	U,G	1.03	-0.121	U,G	0.341	0.0225	U,G	0.772	-0.0152	U,G	0.533	0.33	G	0.201
NB-77-13-SL	0.445	U	1.25	-0.186	U	0.398	-0.345	U	1.06	-0.129	U	0.602	0.115	U	0.214
NB-77-24-SL	0.444	U	0.745	-0.00623	U	0.297	0	U	0.743	-0.202	U	0.503	0.149	U	0.156
NB-78-07-SL	-0.449	U,G	1.87	0.142	U,G	0.39	-0.601	U,G	1.69	-0.0762	U,G	0.692	0.934	G	0.355
NB-78-11-SL	-0.223	U,G	1.15	-0.0797	U,G	0.325	-0.15	U,G	0.789	-0.0365	U,G	0.533	0.432	G	0.18
NB-78-18-SL	0.145	U,G	1.09	-0.0442	U,G	0.426	-0.00768	U,G	1.18	-0.0243	U,G	0.554	1	G	0.307
NB-79-05-SL	-0.199	U,G	1.5	0.0443	U,G	0.311	-0.151	U,G	1.03	0.108	U,G	0.748	0.592	G	0.328
NB-79-05-SL-FD	-0.0708	U,G	0.999	0.0784	U,G	0.36	0.343	U,G	0.592	0.116	U,G	0.459	0.602	G	0.293
NB-79-11-SL	0.0998	U,G	1.2	0.0797	U,G	0.332	0.263	U,G	0.88	-0.132	U,G	0.793	0.416	G	0.298
NB-79-24-SL	-0.271	U	1.07	-0.0226	U	0.318	0.435	U	0.678	0.0927	U	0.464	0.635		0.202
NB-80-05-SL	0	U,G	1.16	0.0602	U,G	0.313	-0.355	U,G	1.26	0.176	U,G	0.452	0.514	G	0.355
NB-80-11-SL	0.215	U,G	1.15	0.0599	U,G	0.356	-0.0535	U,G	0.758	0.141	U,G	0.494	0.714	G	0.194
NB-80-27-SL	-0.136	U,G	1.36	-0.0782	U,G	0.508	0.3	U,G	1.01	0.043	U,G	0.676	0.549	G	0.28
NB-81-09-SL	0	U,G	1.17	0.159	U,G	0.361	-0.155	U,G	0.764	0.00606	U,G	0.511	1.06	G	0.327
NB-81-11-SL	0.12	U,G	1.08	-0.084	U,G	0.477	-0.0476	U,G	0.729	0.343	U,G	0.45	0.754	G	0.317
NB-81-31-SL	0.441	U,G	1.06	0.14	U,G	0.3	-0.254	U,G	0.584	-0.0912	U,G	0.554	0.194	U,G	0.198
NB-82-05-SL	-0.136	U,G	1.36	-0.064	U,G	0.619	-0.405	U,G	1.23	0.00643	U,G	0.708	0.993	G	0.364
NB-82-11-SL	0.465	U	0.928	-0.0285	U	0.308	-0.00708	U	0.698	0.0707	U	0.446	0.0692	U	0.214
NB-82-20-SL	-0.022	U	0.992	-0.0252	U	0.281	-0.26	U	0.782	-0.157	U	0.498	0.173	U	0.205
NB-83-05-SL	0.743	U,G	1.15	0.135	U,G	0.38	0.108	U,G	1.44	-0.101	U,G	0.945	0.858	G	0.413
NB-83-11-SL	0.292	U,G	1.02	0.0223	U,G	0.342	-0.0056	U,G	0.73	0.24	U,G	0.425	0.384	G	0.182
NB-83-23-SL	-0.213	U	1.04	-0.057	U	0.337	-0.338	U	0.807	0.0313	U	0.567	0.201	U	0.21
NB-84-05-SL	-0.482	U,G	1.91	-0.0803	U,G	0.401	0.549	U,G	1.06	-0.517	U,G	1.1	1.2	G	0.416
NB-84-15-SL	0.751	U,G	0.908	0.0547	U,G	0.344	0.2	U,G	0.68	0.115	U,G	0.56	0.713	G	0.219
NB-84-23-SL	0.342	U,G	0.737	0.0157	U,G	0.355	0.118	U,G	0.818	-0.0226	U,G	0.515	0.11	U,G	0.22
NB-84-33-SL	0.161	U	1.15	-0.0543	U	0.462	-0.189	U	0.808	0.18	U	0.485	0.104	U	0.235
NB-85-05-SL	0.334	U,G	0.615	0.166	U,G	0.464	-0.208	U,G	2.6	-0.0814	U,G	0.762	0.83	G	0.317
NB-85-15-SL	-0.0781	U,G	1.36	-0.0657	U,G	0.532	-0.733	U,G	2.61	0.0169	U,G	0.632	1.04	G	0.317

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-85-25-SL	0.319	U,G	1.33	-0.0793	U,G	0.484	-0.384	U,G	2.43	0.00865	U,G	0.728	1.37	G	0.289
NB-85-35-SL	0.0929	U	0.829	0.0345	U	0.245	-0.268	U	1.41	-0.0337	U	0.442	0.186		0.151
NB-86-05-SL	-0.254	U,G	1.79	0.0763	U,G	0.442	-1.12	U,G	3.6	0.104	U,G	0.966	0.609	G	0.379
NB-86-15-SL	-0.456	U,G	1.53	-0.168	U,G	0.483	-0.224	U,G	2.14	0.0165	U,G	0.615	1.02	G	0.3
NB-86-19-SL	-0.0354	U,G	0.949	0.323	G,TI	0.24	0	U,G	1.76	0.0773	U,G	0.284	0.421	G	0.227
OA-18-03-SL	-0.0892	U	1.01	0.216	U	0.364	-0.281	U	1.18	0.0337	U	0.535	0.739		0.267
OA-18-17-SL	-0.205	U,G	1.3	0.0416	U,G	0.361	0.018	U,G	1.28	0.0356	U,G	0.592	0.862	G	0.252
OA-18-25-SL	-0.638	U,G	1.93	0.111	U,G	0.38	-0.0645	U,G	1.55	0.362	U,G	0.614	1.03	G	0.396
OA-18-33-SL	-0.0626	U	1.11	-0.0304	U	0.371	-0.112	U	1.07	-0.0316	U	0.573	0.813		0.243
OA-19-05-SL	0.094	U	1.41	0.0982	U	0.335	0.48	U	1.43	-0.282	U	0.845	0.652		0.329
OA-19-15-SL	0.136	U,G	1.21	-0.064	U,G	0.426	-0.554	U,G	1.41	0.103	U,G	0.486	0.841	G	0.291
OA-19-25-SL	-0.288	U,G	1.6	0.0961	U,G	0.334	0.329	U,G	1.23	-0.176	U,G	0.73	1.35	G	0.407
OA-19-33-SL	-0.592	U	1.22	0.0415	U	0.346	-0.0603	U	1.11	-0.0671	U	0.609	0.438		0.186
PL-04-05-SL	0.71	U,G	1.14	0.166	U,G	0.476	-0.328	U,G	1.42	0.0877	U,G	0.742	0.853	G	0.387
PL-04-13-SL	-0.297	U,G	1.79	0.0593	U,G	0.37	0.528	U,G	1.36	-0.2	U,G	0.94	0.744	G	0.331
PL-04-23-SL	-0.667	U	1.51	-0.118	U	0.486	0.486	U	1.14	0.186	U	0.659	0.767		0.315
PL-04-31-SL	-0.364	U,G	1.3	0.144	U,G	0.362	0.507	U,G	0.832	-0.107	U,G	0.672	0.726	G	0.271
PL-05-05-SL	0.0695	U,G	1.04	0.151	U,G	0.447	-0.331	U,G	1.01	0.00334	U,G	0.591	0.946	G	0.328
PL-05-15-SL	-0.54	U	1.65	0.104	U	0.487	0.268	U	1	0.0177	U	0.526	1.09		0.363
PL-05-28-SL	0.0711	U,G	1.18	0.231	U,G	0.413	0.385	U,G	1.04	0.0513	U,G	0.475	1.02	G	0.274
PL-06-07-SL	-0.351	U,G	1.51	0.4	G,TI	0.334	-0.688	U,G	1.92	0.0396	U,G	0.66	1.06	G	0.283
PL-06-13-SL	0.475	U,G	0.857	0.0887	U,G	0.414	0.345	U,G	1.64	-0.198	U,G	0.745	1.09	G	0.257
PL-06-17-SL	0.719	U,G	0.775	0.201	U,G	0.418	-1.3	U,G	2.21	-0.151	U,G	0.698	0.734	G	0.334
PL-06-29-SL	-0.0294	U	1.04	0.0419	U	0.327	0.288	U	1.28	0.0346	U	0.55	0.459		0.176
PL-06-33-SL	0.811	TI	0.777	-0.0973	U	0.374	-0.138	U	1.51	-0.17	U	0.607	0.146	U	0.182
RR-04-07-SL	0.11	U,G	1.66	0.123	U,G	0.409	0.318	U,G	1.93	-0.0398	U,G	0.905	0.873	G	0.402
RR-04-15-SL	-0.36	U,G	1.14	0.0302	U,G	0.442	0	U,G	1.33	-0.117	U,G	0.734	1.03	G	0.315
RR-04-25-SL	-0.43	U,G	1.95	0.0956	U,G	0.347	-0.805	U,G	1.95	-0.338	U,G	1.07	0.809	G	0.385
RR-05-05-SL	0.346	U,G	1.43	0.131	U,G	0.527	-1.64	U,G	2.29	0.00704	U,G	0.775	1.11	G	0.389
RR-05-05-SL-FD	-0.471	U,G	2.05	0.144	U,G	0.398	-0.168	U,G	2.38	-0.104	U,G	0.979	1.28	G	0.356
RR-05-15-SL	0.43	U,G	1.14	0.0684	U,G	0.451	0.655	U,G	1.27	0.274	U,G	0.554	0.831	G	0.307
RR-05-25-SL	-0.696	U,G	1.77	-0.52	U,G	0.651	0.396	U,G	1.9	0.00745	U,G	0.819	0.816	G	0.424
SW-02-01-SL	0.25	U,G	1.51	0.339	U,G	0.742	-0.554	U,G	1.57	-0.306	U,G	0.745	2.33	G	0.339
SW-02-09-SL	-0.452	U,G	1.21	0.204	U,G	0.393	0.0434	U,G	1.33	-0.256	U,G	0.662	0.889	G	0.272
SW-02-15-SL	-0.633	U,G	1.91	0.0527	U,G	0.51	0.252	U,G	1.42	0.0904	U,G	0.829	1.18	G	0.327
SW-02-23-SL	-0.0121	U,G	1.19	0.191	U,G	0.366	-0.138	U,G	1.22	0.144	U,G	0.541	0.83	G	0.25
SW-05-08-SL	0.53	U,G	1.3	0.0499	U,G	0.503	-0.328	U,G	2.63	-0.0876	U,G	0.873	0.882	G	0.39
SW-05-12-SL	-0.373	U,G	1.47	0.043	U,G	0.391	-0.863	U,G	2.25	-0.216	U,G	0.785	0.799	G	0.302
SW-06-05-SL	0.0749	U,G	1.19	0.0344	U,G	0.499	1.04	U,G	1.97	-0.191	U,G	0.647	1.23	G	0.332
SW-06-05-SL-FD	-0.531	U,G	1.48	0.0757	U,G	0.393	-0.4	U,G	2.41	-0.127	U,G	0.738	1.07	G	0.313
SW-06-13-SL	0.209	U,G	1.37	-0.0907	U,G	0.364	-0.392	U,G	3.07	-0.103	U,G	0.966	0.866	G	0.374
SW-06-23-SL	0.0842	U,G	1.17	0.284	U,G	0.385	-0.886	U,G	2.08	0.176	U,G	0.743	1.22	G	0.255
SW-07-05-SL	-0.37	U,G	1.32	-0.208	U,G	0.463	0.962	U,G	1.36	0.121	U,G	0.568	0.805	G	0.334

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Europium-154			Europium-155			Iodine-131			Iron-59			Lead-212		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-07-15-SL	-0.894	U,G	2.1	0.0174	U,G	0.409	-0.604	U,G	3.04	0.404	U,G	0.777	0.882	G	0.413
SW-07-23-SL	0.21	U,G	1.32	0.0172	U,G	0.42	-0.217	U,G	2.01	0.0438	U,G	0.697	1.16	G	0.27
SW-08-03-SL	0	U,G	1.7	0.0545	U,G	0.34	-0.217	U,G	1.6	-0.197	U,G	0.849	0.744	G	0.342
SW-08-05-SL	-0.586	U,G	1.82	0.175	U,G	0.487	0.0722	U,G	1.74	0.0239	U,G	0.563	0.773	G	0.384
SW-08-15-SL	0	U,G	1.8	0.0227	U,G	0.425	0.177	U,G	2.08	-0.225	U,G	0.997	1	G	0.376
SW-08-25-SL	-0.0631	U	0.947	0.0434	U	0.243	0.353	U	1	0.251	U	0.37	0.103	U	0.232

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-13-09-SL	0.606	G,J	0.397	-0.0505	U,G	0.232				-3.29	U,G	20.8	0.0234	U,G	0.192
BD-13-15-SL	1.01	G,J	0.405	-0.143	U,G	0.278				-9.11	U,G	22.1	0.043	U,G	0.203
BD-13-23-SL	0.771	G,J	0.373	0.124	U,G	0.197				-0.0764	U,G	0.312	0.034	U,G	0.188
BD-13-30-SL	0.6	G,J	0.327	-0.021	U,G	0.206				-0.0254	U,G	0.284	0.0404	U,G	0.219
BD-14-05-SL	0.966	G,J	0.485	-0.132	U,G	0.312				-0.201	U,G	0.385	-0.0569	U,G	0.254
BD-14-13-SL	0.66	G,J	0.372	0	U,G	0.249				0.0943	U,G	0.187	0.0248	U,G	0.19
BD-14-25-SL	0.76	J	0.47	0.102	U	0.231				-1.87	U	22.9	0.0536	U	0.258
BD-14-31-SL	0.404	J	0.319	-0.0329	U	0.222				-0.0319	U	0.318	-0.0418	U	0.242
BD-15-05-SL	0.871	G,J	0.407	0.0114	U,G	0.172				-0.0118	U,G	0.259	-0.045	U,G	0.223
BD-15-17-SL	0.932	G,J	0.523	0.0209	U,G	0.322				-0.203	U,G	0.52	0.0374	U,G	0.331
BD-15-25-SL	0.673	J	0.336	-0.0494	U	0.179				-0.0818	U	0.218	-0.0149	U	0.189
BD-15-31-SL	0.725	G,J	0.486	-0.0205	U,G	0.255				0.315	G,TI	0.295	0.0691	U,G	0.255
BD-16-05-SL	0.878	G,J	0.417	0.0298	U,G	0.246	0.0113	U	0.0209	-0.0916	U,G	0.44	-0.0612	U,G	0.276
BD-16-15-SL	0.796	G,J	0.344	0.0242	U,G	0.251				0	U,G	0.286	-0.0362	U,G	0.239
BD-16-19-SL	0.866	G,J	0.433	0.0417	U,G	0.228				-3.04	U,G	24.4	0.0479	U,G	0.245
BD-16-25-SL	1.05	G,J	0.495	0.0368	U,G	0.3				0.0299	U,G	0.4	-0.0869	U,G	0.328
BD-16-34-SL	1.12	G,J	0.322	0.025	U,G	0.227				-0.0256	U,G	0.308	0.029	U,G	0.217
BLD240-01-01	0.99		0.36	0.04	U	0.21	0.00219	U	0.0039	0.8	U	16.7	-0.044	U	0.193
BLD240-01-09	1.03		0.39	-0.11	U	0.23				-2	U	21	0.01	U	0.19
BLD240-01-09FD	0.85		0.37	0.062	U	0.15				-3.9	U	17.6	-0.01	U	0.2
BLD240-01-31							0.00074	U	0.0049						
BLD240-03-04	1.29		0.42	-0.03	U	0.25	0.00507	LT	0.0043	1	U	25	0.06	U	0.19
BLD240-03-04FD	0.92		0.34	-0.04	U	0.21				3	U	21	-0.08	U	0.23
BLD240-03-14							0.00034	U	0.0042						
BLD240-03-19	1		0.41	0.04	U	0.23				8	U	27	-0.04	U	0.27
BLD240-04-02	0.63		0.29	-0.01	U	0.23	0.00138	U	0.006	3.5	U	17.3	0.056	U	0.162
BLD240-04-04	0.73		0.36	0	U	0.24				5.3	U	16.7	0.072	U	0.144
BLD240-04-33							0.00244	U	0.0049						
BLD240-05-01	0.89		0.42	-0.11	U	0.24				2	U	22	0.06	U	0.19
BLD240-05-02	1.07		0.45	-0.051	U	0.208				-13	U	24	-0.05	U	0.26
BLD253-02-01	0.89		0.31	-0.021	U	0.173				3	U	20	0.029	U	0.147
BLD253-02-04	1		0.41	0.02	U	0.21	0.00772	LT	0.0051	-30	U	57	0.03	U	0.19
BLD253-02-21FD	0.97		0.37	0.03	U	0.19				4	U	25	0.083	U	0.132
BLD253-02-21							0	U	0.0048						
BLD255-05-01							0.00552	LT	0.0045						
BLD255-05-23							0.00134	U	0.0072						
BLD255-07-02	0.92		0.35	-0.042	U	0.178	0.00176	U	0.0032	1	U	18	-0.096	U	0.191
BLD255-07-15	0.91		0.39	-0.13	U	0.26				6	U	22	0.05	U	0.22
BLD255-07-33							0.00197	U	0.0029						
BLD255-08-01	0.72		0.3	0.044	U	0.172	0.0192		0.0053	26	U	45	-0.018	U	0.168
BLD255-08-08	0.95		0.38	0.09	U	0.22	0.00357	U	0.0047	6	U	21	0.05	U	0.23
BLD260-06-01	1.04		0.34	-0.04	U	0.22	0.00197	U	0.0046	4	U	29	-0.098	U	0.205
BLD260-06-03	1.21		0.51	0.04	U	0.23				13	U	21	0.09	U	0.19

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BLD260-06-31							0.00123	U	0.0058						
BP-13-05-SL	1.01	G,J	0.371	0.0246	U,G	0.195				-0.0627	U,G	0.332	0.07	U,G	0.218
BP-13-11-SL	0.911	G,J	0.377	0.023	U,G	0.2				-0.716	U,G	21.5	0.055	U,G	0.199
BP-13-15-SL	0.69	G,J	0.375	0.103	U,G	0.217				-0.0373	U,G	0.343	-0.0204	U,G	0.264
BP-13-25-SL	0.946	G,J	0.368	-0.0721	U,G	0.312				0.0425	U,G	0.355	0.0624	U,G	0.314
BP-13-35-SL	0.773	G,J	0.338	0.0219	U,G	0.191				-4.33	U,G	20.6	-0.0199	U,G	0.189
BP-17-05-SL	0.641	G,J	0.396	0.0801	U,G	0.24				-0.829	U,G	26	0.0684	U,G	0.252
BP-17-15-SL	0.867	J	0.342	0.0216	U	0.18				0.022	U	0.183	0.0258	U	0.191
BP-17-23-SL	0.891	G,J	0.338	0	U,G	0.23				-9.08	U,G	20.2	0.0659	U,G	0.196
BP-17-31-SL	0.947	G,J	0.39	0.0259	U,G	0.215				-7.89	U,G	25.9	0.0484	U,G	0.261
BP-18-05-SL	0.586	G,J	0.352	-0.157	U,G	0.272				0.0141	U,G	0.402	0.0506	U,G	0.248
BP-18-15-SL	1.12	G,J	0.433	0.0956	U,G	0.214				-0.0425	U,G	0.454	0.129	U,G	0.245
BP-18-25-SL	0.979	G,J	0.522	-0.106	U,G	0.29				-2.38	U,G	25.5	0.014	U,G	0.28
BP-18-31-SL	0.297	J	0.256	0.0881	U	0.155				-4.27	U	14.3	0	U	0.133
BP-19-05-SL	0.865	J	0.293	-0.04	U	0.195				0.0515	U	0.231	0.0549	U	0.166
BP-19-13-SL	0.699	J	0.404	-0.0175	U	0.229				-4.4	U	22.3	-0.0332	U	0.26
BP-19-25-SL	1	G,J	0.344	0.089	U,G	0.157				-0.0343	U,G	0.269	0.0703	U,G	0.184
BP-19-29-SL	0.828	J	0.452	-0.0961	U	0.274				-0.0356	U	0.327	0.00449	U	0.252
BP-20-03-SL	1.03	J	0.469	0.111	U	0.203				-4.9	U	22.5	0.0177	U	0.241
BP-20-19-SL	0.732	G,J	0.49	0.147	U,G	0.18				-0.0791	U,G	0.366	-0.00527	U,G	0.233
BP-20-27-SL	0.548	J	0.283	0.0908	U	0.142				-0.0726	U	0.249	-0.00755	U	0.142
BP-21-07-SL	0.848	G,J	0.396	0.0905	U,G	0.224				-7.71	U,G	21.4	0.0652	U,G	0.223
BP-21-07-SL-FD	0.991	J	0.432	0.0257	U	0.226				-2.01	U	24.1	0.00592	U	0.211
BP-21-13-SL	0.881	J	0.292	-0.0106	U	0.2				-3.31	U	18.2	-0.0503	U	0.206
BP-21-24-SL	0.902	G,J	0.412	0	U,G	0.257				0.0359	U,G	0.364	-0.0113	U,G	0.209
BP-21-34-SL	0.571	J	0.306	-0.00094	U	0.194				-0.0471	U	0.3	0.0923	U	0.189
BP-22-05-SL	0.697	G,J	0.312	-0.0689	U,G	0.245				-7.77	U,G	20.4	-0.0315	U,G	0.195
BP-22-13-SL	0.728	G,J	0.414	0.00696	U,G	0.259				-3.38	U,G	23.1	0.0517	U,G	0.238
BP-22-23-SL	0.843	J	0.357	-0.0717	U	0.23				-0.146	U	16.6	0.0519	U	0.144
BP-22-33-SL	0.268	J	0.264	0.00906	U	0.182				-3.15	U	18.8	0	U	0.182
CB-02-05-SL	0.901	G,J	0.444	0.0171	U,G	0.229				0.0264	U,G	0.281	0.00127	U,G	0.228
CB-02-05-SL-FD	1.02	G,J	0.452	-0.0868	U,G	0.315	-0.0102	U	0.0353	-5.2	U,G	28.6	0.0897	U,G	0.23
CB-02-15-SL	0.886	G,J	0.407	0.0265	U,G	0.212				-0.0391	U,G	0.3	0.073	U,G	0.153
CB-02-25-SL	0.748	G,J	0.426	-0.0305	U,G	0.29				-0.0135	U,G	0.352	0.0509	U,G	0.225
DM-02-05-SL	0.777	J	0.483	0.00564	U	0.16	0.0215	U	0.0354	-0.103	U	0.366	-0.0173	U	0.235
DM-02-17-SL	1.07	G,J	0.385	-0.0254	U,G	0.212				-0.13	U,G	0.361	0.0294	U,G	0.22
DM-02-22-SL	0.743	J	0.385	-0.0842	U	0.283				-26.3	U	70.6	-0.0599	U	0.275
DM-02-33-SL	0.732	J	0.291	0	U	0.209	0.0059	U	0.0182	-10.8	U	40.6	0.0112	U	0.2
DM-03-05-SL	0.699	G,J	0.42	-0.0704	U,G	0.236				-0.0239	U,G	0.305	-0.028	U,G	0.217
DM-03-05-SL-FD	0.912	G,J	0.46	0.133	U,G	0.244				-10.5	U,G	27.6	0.0671	U,G	0.265
DM-03-13-SL	0.838	G,J	0.313	0.0336	U,G	0.218				0.0342	U,G	0.23	0.0369	U,G	0.202
DM-03-25-SL	0.947	G,J	0.402	0.0149	U,G	0.259				-0.0832	U,G	0.411	0.00847	U,G	0.265
DM-03-34-SL	0.842	G,J	0.3	0.0228	U,G	0.181				0.0814	U,G	0.202	0.00658	U,G	0.192

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
EP-13-03-SL	1.36	J	0.317	-0.0291	UJ	0.241				-3.56	UJ	36.1	0.00632	UJ	0.198
EP-13-13-SL	1.14	J	0.391	0.0487	UJ	0.262				0.109	UJ	0.364	0.0275	UJ	0.235
EP-13-25-SL	0.945	J	0.383	0.0267	UJ	0.214				-0.244	UJ	20.8	0.0784	UJ	0.19
EP-13-30-SL	0.714	J	0.413	-0.101	UJ	0.258				0.0689	UJ	0.238	-0.0139	UJ	0.18
EP-14-05-SL	0.885	J	0.402	-0.144	UJ	0.325				-17.8	UJ	30.8	-0.0358	UJ	0.295
EP-14-13-SL	0.98	J	0.357	0.0265	UJ	0.212				0.0391	UJ	0.262	-0.00629	UJ	0.212
EP-14-25-SL	0.958	J	0.398	-0.0622	UJ	0.241				-0.114	UJ	0.351	-0.0801	UJ	0.268
EP-14-31-SL	0.772	J	0.336	-0.0579	UJ	0.218				-4.2	UJ	17.1	0.0153	UJ	0.19
EP-15-05-SL	1.09	G,J	0.426	-0.00674	U,G	0.286				6.17	U,G	20	-0.00111	U,G	0.285
EP-15-13-SL	0.992	G,J	0.456	-0.0712	U,G	0.286				0.244	U,G	24.1	-0.026	U,G	0.295
EP-15-25-SL	0.58	J	0.372	-0.0813	U	0.221				-3.91	U	19.2	0.112	U	0.178
EP-15-29-SL	0.678	J	0.324	0.016	U	0.242				-1.81	U	21.2	0.0376	U	0.198
EP-16-05-SL	0.941	G,J	0.321	-0.037	U,G	0.248				-9.71	U,G	22	0.0295	U,G	0.218
EP-16-15-SL	1.03	G,J	0.358	-0.0305	U,G	0.206				0.0487	U,G	0.273	0.0365	U,G	0.223
EP-16-27-SL	0.322	J	0.302	-0.0134	U	0.127				-3.38	U	14.7	-0.003	U	0.156
EP-17-05-SL	1.15	G,J	0.533	0.0546	U,G	0.3	0.0122	U	0.0174	7.38	U,G	24.5	-0.0781	U,G	0.292
EP-17-15-SL	1.2	G,J	0.407	-0.0697	U,G	0.28				0.239	U,G	23	-0.0106	U,G	0.266
EP-17-25-SL	0.873	G,J	0.526	0.0526	U,G	0.283				-1.75	U,G	26.4	-0.00923	U,G	0.311
EP-17-30-SL	0.438	J	0.335	0.0152	U	0.23				-8.81	U	18.4	0.0264	U	0.189
EP-18-09-SL	0.748	J	0.353	0.0323	UJ	0.267	-0.00284	U	0.0225	-18.9	UJ	42.5	-0.00733	UJ	0.298
EP-18-09-SL-FD	0.921	J	0.386	-0.058	UJ	0.237				-0.0754	UJ	0.257	0.0486	UJ	0.188
EP-18-15-SL	1.02	J	0.375	-0.024	UJ	0.256				0.135	UJ	0.255	0.0586	UJ	0.155
EP-18-29-SL	1.14	J	0.519	0.0134	UJ	0.25				0.0871	UJ	0.386	-0.00859	UJ	0.289
EP-19-05-SL	0.67	J	0.393	0.0185	UJ	0.215				-7.86	UJ	30.7	0.0847	UJ	0.19
EP-19-13-SL	0.912	J	0.391	-0.0123	UJ	0.24	0.0014	U	0.0221	-15.2	UJ	35	0.0132	UJ	0.185
EP-19-25-SL	0.937	J	0.364	0.0602	UJ	0.25				-2.42	UJ	18.9	0.0368	UJ	0.203
EP-19-31-SL	0.748	J	0.379	-0.0121	UJ	0.246				-1.7	UJ	20.3	0.0771	UJ	0.188
EP-20-05-SL	0.937	G,J	0.402	0.0452	U,G	0.223				-0.0794	U,G	0.272	-0.0466	U,G	0.212
EP-20-15-SL	1.09	G,J	0.414	-0.0405	U,G	0.314				-5.95	U,G	24.3	-0.0998	U,G	0.339
EP-20-25-SL	0.97	G,J	0.375	-0.0458	U,G	0.227				0.107	U,G	0.237	0.017	U,G	0.194
LF-06-05-SL	0.805	G,J	0.347	-0.0129	U,G	0.275	0.00412	U	0.0328	0.159	U,G	0.25	0.0868	U,G	0.182
LF-06-13-SL	0.818	G,J	0.422	0.0316	U,G	0.242				-4.38	U,G	19.9	0.00849	U,G	0.2
LF-06-27-SL	0.748	G,J	0.393	0.00637	U,G	0.22				-2.68	U,G	20.5	0.101	U,G	0.181
LF-06-32-SL	0.287	U,G,J	0.349	-0.0983	U,G	0.203				-4.64	U,G	17	0.0709	U,G	0.17
LF--07-09-SL	1.06	G,J	0.354	-0.051	U,G	0.272				-5.25	U,G	21.1	-0.0318	U,G	0.232
LF-07-15-SL	1	G,J	0.366	0.108	U,G	0.24				0.135	U,G	0.231	-0.00297	U,G	0.202
LF-07-25-SL	0.697	G,J	0.46	-0.0125	U,G	0.251				-0.414	U,G	23.9	0.0521	U,G	0.242
LF-07-34-SL	0.577	G,J	0.387	0.0277	U,G	0.23				0.212	U,G	0.306	-0.0167	U,G	0.251
LF-08-05-SL	1.16	G,J	0.45	0.00169	U,G	0.286				0.0192	U,G	0.399	0.136	U,G	0.248
LF-08-05-SL-FD	0.758	G,J	0.355	-0.0344	U,G	0.191				-0.0235	U,G	0.288	-0.0057	U,G	0.179
LF-08-15-SL	1.16	G,J	0.387	0.0691	U,G	0.177				-0.0774	U,G	0.341	-0.0511	U,G	0.236
LF-08-21-SL	0.947	G,J	0.483	0.091	U,G	0.293				-1.24	U,G	24.2	0.00471	U,G	0.267
LF-08-37-SL	0.709	G,J	0.488	0.0565	U,G	0.208				-12.9	U,G	22.9	-0.0691	U,G	0.252

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
LF-09-03-SL	0.818	G,J	0.424	0.00533	U,G	0.251				0.173	U,G	0.3	0.0977	U,G	0.21
LF-09-17-SL	1.04	G,J	0.375	-0.0203	U,G	0.287				-4.25	U,G	25.4	-0.0944	U,G	0.306
LF-09-25-SL	0.946	G,J	0.462	0.00514	U,G	0.242				0.0836	U,G	0.32	-0.00807	U,G	0.234
LF-09-31-SL	0.316	U,G,J	0.353	0.0344	U,G	0.2				-0.101	U,G	0.309	-0.0916	U,G	0.258
NB-28-04-SL	1.07	G,J	0.383	0.121	U,G	0.177				0.0136	U,G	0.265	-0.0351	U,G	0.23
NB-28-14-SL	0.756	G,J	0.379	0.0827	U,G	0.27				0.0344	U,G	0.385	0.0284	U,G	0.216
NB-28-24-SL	0.525	G,J	0.352	-0.0828	U,G	0.218				-2.8	U,G	18.4	-0.0317	U,G	0.206
NB-28-35-SL	0.395	G,J	0.326	-0.022	U,G	0.202				-0.0747	U,G	0.224	-0.0361	U,G	0.181
NB-29-05-SL	0.867	G,J	0.371	-0.0155	U,G	0.292				0.0743	U,G	0.379	-0.111	U,G	0.32
NB-29-14-SL	0.198	U,G,J	0.318	0.0187	U,G	0.19				0.0111	U,G	0.23	0.0148	U,G	0.169
NB-29-22-SL	0.232	UJ	0.238	0.0806	U	0.0935				-1.52	U	13.4	-0.0577	U	0.181
NB-30-05-SL	0.982	G,J	0.439	-0.00707	U,G	0.3				0.0294	U,G	0.337	-0.0751	U,G	0.319
NB-30-15-SL	0.875	G,J	0.451	-0.0374	U,G	0.266				-0.476	U,G	25.1	-0.0429	U,G	0.27
NB-30-25-SL	0.825	G,J	0.476	0.0358	U,G	0.289				0.108	U,G	0.381	-0.0297	U,G	0.251
NB-30-33-SL	0.532	G,J	0.333	-0.0448	U,G	0.246				-0.038	U,G	0.298	0.0365	U,G	0.217
NB-31-05-SL	0.863	G,J	0.438	0.202	G,TI	0.159				-0.164	U,G	0.459	-0.0037	U,G	0.278
NB-31-15-SL	0.93	G,J	0.356	0.0357	U,G	0.196				0.0374	U,G	0.287	0.0952	U,G	0.173
NB-31-27-SL	1.09	G,J	0.398	0.0161	U,G	0.253				-3.38	U,G	24.6	0.0268	U,G	0.236
NB-31-32-SL	0.903	G,J	0.366	-0.0302	U,G	0.27				-5.82	U,G	24.1	0.0212	U,G	0.255
NB-32-05-SL	0.898	G,J	0.607	0.0977	U,G	0.251				-0.052	U,G	0.474	-0.152	U,G	0.318
NB-32-15-SL	1.07	G,J	0.412	-0.0457	U,G	0.288				0.0106	U,G	0.355	-0.0352	U,G	0.348
NB-32-27-SL	0.746	G,J	0.324	0.0713	U,G	0.198				-3.18	U,G	18.9	-0.0974	U,G	0.221
NB-32-33-SL	0.554	G,J	0.385	0.042	U,G	0.219				-0.429	U,G	20.2	-0.0462	U,G	0.268
NB-33-05-SL	0.967	G,J	0.356	-0.0612	U,G	0.254				-0.0627	U,G	0.301	-0.0446	U,G	0.202
NB-33-15-SL	1.02	G,J	0.405	0.0973	U,G	0.257				-0.0348	U,G	0.41	0.0625	U,G	0.264
NB-33-27-SL	0.501	J	0.317	0.104	U	0.125				0.0641	U	0.178	-0.00432	U	0.167
NB-34-05-SL	1.16	G,J	0.541	-0.00833	U,G	0.323				-0.143	U,G	0.451	0.0136	U,G	0.233
NB-34-15-SL	1.06	G,J	0.4	-0.0849	U,G	0.272				-0.137	U,G	0.292	0.01	U,G	0.22
NB-34-25-SL	0.514	J	0.385	0.0634	U	0.19				0.0394	U	0.273	0.104	U	0.156
NB-35-01-SL	0.848	G,J	0.328	-0.108	U,G	0.309				0	U,G	0.335	-0.0779	U,G	0.294
NB-35-15-SL	1.07	G,J	0.294	0.0125	U,G	0.233				0.353	G,TI	0.238	0.0581	U,G	0.263
NB-35-25-SL	0.888	G,J	0.417	-0.0775	U,G	0.211				-0.202	U,G	0.339	-0.011	U,G	0.231
NB-36-05-SL	0.892	G,J	0.382	0.0348	U,G	0.191				-8.61	U,G	20.8	0.0509	U,G	0.133
NB-36-15-SL	0.896	G,J	0.369	-0.0448	U,G	0.262				-0.0504	U,G	0.395	0.043	U,G	0.268
NB-36-27-SL	0.971	J	0.382	-0.0601	U	0.245				-17.3	U	26.3	0.00155	U	0.278
NB-37-05-SL	0.962	G,J	0.422	-0.029	U,G	0.293				-0.452	U,G	22.3	-0.104	U,G	0.308
NB-37-15-SL	1.31	G,J	0.458	-0.0809	U,G	0.326				-4.21	U,G	23.9	-0.0591	U,G	0.269
NB-37-25-SL	0.927	G,J	0.416	0.133	U,G	0.22				0.162	U,G	0.234	0.0338	U,G	0.226
NB-38-09-SL	0.842	G,J	0.344	-0.00824	U,G	0.204				-0.0492	U,G	0.252	-0.0354	U,G	0.198
NB-38-15-SL	0.756	J	0.358	0.0933	U	0.186				-6.16	U	18.1	-0.0728	U	0.2
NB-38-25-SL	0.818	J	0.375	0.115	U	0.203				-3	U	18.7	-0.0145	U	0.18
NB-39-05-SL	1.01	G,J	0.454	0.0672	U,G	0.239				-0.509	U,G	25.2	0.00555	U,G	0.245
NB-39-15-SL	1.05	G,J	0.29	0.1	U,G	0.21				-4.11	U,G	20.2	0.0229	U,G	0.178

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-39-25-SL	0.758	G,J	0.446	0.0031	U,G	0.273				-0.148	U,G	0.365	0.0648	U,G	0.283
NB-39-30-SL	0.657	G,J	0.39	0.0117	U,G	0.219				-12.7	U,G	24.4	0.0222	U,G	0.258
NB-40-05-SL	0.782	G,J	0.43	0.0282	U,G	0.233				6.03	U,G	20.2	0.0255	U,G	0.218
NB-40-05-SL-FD	0.652	J	0.329	-0.0381	U	0.205				-8.69	U	19.1	0.00207	U	0.191
NB-40-17-SL	0.959	G,J	0.374	0.0666	U,G	0.245				-1.21	U,G	23	0.0733	U,G	0.205
NB-40-25-SL	0.548	J	0.272	0.0943	U	0.206				3.34	U	16.7	0.00988	U	0.203
NB-40-31-SL	0.21	UJ	0.306	0.0127	U	0.171				13.4	U	13.6	0.0522	U	0.153
NB-41-05-SL	0.582	J	0.421	0.062	U	0.234				-0.441	U	22	0.0327	U	0.218
NB-41-13-SL	0.264	UJ	0.321	0.022	U	0.182				-0.0297	U	0.273	-0.0375	U	0.217
NB-41-19-SL	0.584	G,J	0.357	0.147	U,G	0.193				-8.81	U,G	19.7	0.0797	U,G	0.175
NB-42-05-SL	0.717	G,J	0.349	-0.0196	U,G	0.21				-0.0373	U,G	0.305	-0.0348	U,G	0.202
NB-42-13-SL	0.507	J	0.341	0.0215	U	0.178				-0.0607	U	0.307	0.105	U	0.214
NB-42-23-SL	0.304	UJ	0.312	-0.0181	U	0.177				-1.24	U	14.4	-0.0566	U	0.172
NB-43-05-SL	0.799	G,J	0.374	0.0432	U,G	0.173				-2.45	U,G	18.6	0.0231	U,G	0.188
NB-43-13-SL	0.342	J	0.317	0.0121	U	0.198				-3.91	U	17	-0.0695	U	0.22
NB-44-05-SL	0.339	UJ	0.358	-0.0211	U	0.149				0.0938	U	0.246	0.031	U	0.193
NB-44-05-SL-FD	0.327	U,G,J	0.362	0.0634	U,G	0.171	0.00148	U	0.0234	-6.71	U,G	16.8	0.0395	U,G	0.167
NB-44-11-SL	0.382	J	0.247	-0.06	U	0.171				0	U	0.219	0.0435	U	0.142
NB-44-18-SL	0.404	J	0.293	0.0193	U	0.174				-2.78	U	16.7	-0.109	U	0.241
NB-45-05-SL	0.808	G,J	0.512	0.0883	U,G	0.288				-0.0371	U,G	0.494	-0.133	U,G	0.35
NB-45-05-SL-FD	0.892	G,J	0.474	0.136	U,G	0.236				-6.9	U,G	25.9	-0.133	U,G	0.344
NB-45-13-SL	0.846	G,J	0.469	0.191	G,TI	0.189				-1.63	U,G	23.6	-0.0375	U,G	0.297
NB-45-25-SL	0.863	G,J	0.354	-0.102	U,G	0.311				-2.58	U,G	27.3	-0.0396	U,G	0.313
NB-45-33-SL	0.504	J	0.311	0.0556	U	0.174				-3.56	U	15.8	0.0182	U	0.181
NB-46-09-SL	0.727	J	0.377	0.0265	U	0.219				-10.7	U	22.5	-0.134	U	0.284
NB-46-17-SL	0.654	G,J	0.348	0.0106	U,G	0.187				-0.0448	U,G	0.22	-0.0501	U,G	0.192
NB-46-25-SL	0.813	G,J	0.339	-0.0311	U,G	0.264				-2.23	U,G	24.6	0.0628	U,G	0.252
NB-46-29-SL	0.862	G,J	0.383	0	U,G	0.164				-0.0223	U,G	0.25	-0.0982	U,G	0.202
NB-47-05-SL	0.96	J	0.344	0.0318	U	0.173				0.0799	U	0.237	0.0276	U	0.198
NB-47-15-SL	1.1	G,J	0.382	0.0245	U,G	0.213				-8.32	U,G	21.4	-0.109	U,G	0.272
NB-47-25-SL	1.27	G,J	0.402	-0.0161	U,G	0.303				0.0978	U,G	0.385	0.00545	U,G	0.306
NB-47-31-SL	0.747	G,J	0.403	-0.0559	U,G	0.229				-0.0524	U,G	0.301	0.048	U,G	0.19
NB-48-05-SL	0.706	G,J	0.356	0.0364	U,G	0.216				0.0375	U,G	0.358	-0.004	U,G	0.272
NB-48-11-SL	1.09	G,J	0.307	-0.0694	U,G	0.233				-2.91	U,G	19.6	0.0704	U,G	0.179
NB-48-15-SL	1.29	G,J	0.436	-0.0344	U,G	0.256				-0.214	U,G	0.423	-0.159	U,G	0.362
NB-48-25-SL	1.12	G,J	0.4	-0.0387	U,G	0.227				-3.34	U,G	20	-0.0497	U,G	0.23
NB-48-35-SL	0.794	G,J	0.392	-0.054	U,G	0.265				0	U,G	0.309	-0.0363	U,G	0.229
NB-49-05-SL	0.841	G,J	0.436	0.0561	U,G	0.253				0.0852	U,G	0.348	-0.0909	U,G	0.285
NB-49-05-SL-FD	0.866	G,J	0.432	0.0795	U,G	0.253				-7.04	U,G	22.7	0.149	U,G	0.201
NB-49-15-SL	1.15	G,J	0.448	0.0258	U,G	0.231				-0.743	U,G	23.4	-0.0835	U,G	0.309
NB-49-25-SL	0.977	G,J	0.439	0.0126	U,G	0.246				-6.31	U,G	21	0	U,G	0.228
NB-49-37-SL	0.478	G,J	0.406	-0.0985	U,G	0.32				-1.51	U,G	18.1	0.0415	U,G	0.194
NB-50-05-SL	0.917	G,J	0.442	0.116	U,G	0.228				0.0132	U,G	0.312	0.0276	U,G	0.288

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-50-15-SL	1.17	G,J	0.424	0.0613	U,G	0.222				-0.0625	U,G	0.352	-0.00707	U,G	0.184
NB-50-25-SL	0.779	G,J	0.386	0.0147	U,G	0.255				0.0396	U,G	0.364	-0.0684	U,G	0.316
NB-50-37-SL	0.479	J	0.307	-0.0938	U	0.196				0.0814	U	0.261	0.0236	U	0.176
NB-51-05-SL	0.706	G,J	0.386	0.024	U,G	0.194				-3.81	U,G	19.2	-0.0356	U,G	0.206
NB-51-13-SL	0.815	G,J	0.401	-0.00662	U,G	0.281				-0.109	U,G	0.367	0.035	U,G	0.262
NB-51-25-SL	1.06	G,J	0.401	0.116	U,G	0.234				0.0131	U,G	0.309	-0.0594	U,G	0.252
NB-51-37-SL	1.01	G,J	0.336	0.0223	U,G	0.183				-0.076	U,G	0.247	-0.0159	U,G	0.206
NB-52-05-SL	0.872	G,J	0.387	0.0833	U,G	0.265				0.129	U,G	0.356	-0.0817	U,G	0.311
NB-52-13-SL	0.679	G,J	0.468	-0.00879	U,G	0.266				0.0819	U,G	0.328	0.0535	U,G	0.211
NB-52-25-SL	0.989	G,J	0.358	0.013	U,G	0.206				0	U,G	0.319	0.0172	U,G	0.214
NB-52-35-SL	0.753	G,J	0.436	0.0982	U,G	0.267				-0.0874	U,G	0.424	-0.0251	U,G	0.3
NB-53-05-SL	0.82	G,J	0.369	0.0487	U,G	0.206				0.0857	U,G	0.268	0.0603	U,G	0.199
NB-53-13-SL	0.887	G,J	0.34	-0.0684	U,G	0.222				-0.0466	U,G	0.274	-0.0508	U,G	0.187
NB-53-23-SL	0.729	G,J	0.413	-0.0668	U,G	0.29				0.00831	U,G	0.444	0.0909	U,G	0.284
NB-53-33-SL	0.802	G,J	0.312	0.045	U,G	0.178				0.0229	U,G	0.257	-0.0454	U,G	0.208
NB-54-05-SL	0.82	G,J	0.377	0.00419	U,G	0.254				-7.11	U,G	26.1	-0.0625	U,G	0.261
NB-54-13-SL	0.736	G,J	0.478	-0.0298	U,G	0.227				-4.65	U,G	25.9	-0.0944	U,G	0.304
NB-54-25-SL	0.784	G,J	0.446	-0.0903	U,G	0.318				0.112	U,G	0.397	-0.00335	U,G	0.252
NB-54-31-SL	0.231	UJ	0.25	-0.0754	U	0.175				-1.6	U	14.8	0.0181	U	0.184
NB-55-05-SL	0.66	G,J	0.519	0.0193	U,G	0.283				-3.1	U,G	24.6	0.115	U,G	0.246
NB-55-13-SL	0.845	G,J	0.37	0.0708	U,G	0.275				-0.131	U,G	0.38	0.111	U,G	0.224
NB-55-25-SL	0.786	G,J	0.344	0.12	U,G	0.219				-5.26	U,G	20.9	-0.00477	U,G	0.249
NB-55-33-SL	0.262	UJ	0.306	0.0484	U	0.169				-2.21	U	15.8	0.0057	U	0.169
NB-56-05-SL	0.656	J	0.381	0	U	0.213				-5.89	U	17.6	-0.0357	U	0.187
NB-56-13-SL	0.875	G,J	0.406	-0.0887	U,G	0.314				-6.51	U,G	26.1	-0.0689	U,G	0.234
NB-56-25-SL	0.841	G,J	0.399	-0.0492	U,G	0.262				-0.0376	U,G	0.302	0.0152	U,G	0.196
NB-56-33-SL	0.476	J	0.286	-0.0861	U	0.2				-0.045	U	0.258	-0.0414	U	0.204
NB-57-05-SL	0.867	G,J	0.397	0.0627	U,G	0.214				-9.54	U,G	26.2	0.0763	U,G	0.263
NB-57-05-SL-FD	0.671	G,J	0.375	-0.0302	U,G	0.272				0	U,G	0.359	-0.0849	U,G	0.271
NB-57-15-SL	0.945	G,J	0.362	0.078	U,G	0.245				0	U,G	0.342	0.0145	U,G	0.235
NB-57-29-SL	0.956	G,J	0.273	0.0225	U,G	0.204				0.138	U,G	0.231	0.115	U,G	0.175
NB-57-34-SL	0.766	G,J	0.477	0	U,G	0.218				-1.37	U,G	22.9	0.128	U,G	0.218
NB-58-05-SL	0.756	G,J	0.319	-0.0117	U,G	0.212				0.0119	U,G	0.286	-0.0974	U,G	0.249
NB-58-15-SL	0.84	G,J	0.489	0.0192	U,G	0.28				-3.81	U,G	26.3	0.0235	U,G	0.274
NB-58-29-SL	0.97	G,J	0.349	-0.0246	U,G	0.248				-1.47	U,G	20	0.0559	U,G	0.197
NB-58-36-SL	0.704	G,J	0.434	0.024	U,G	0.214				-5.41	U,G	22.4	0.0387	U,G	0.192
NB-59-05-SL	0.955	G,J	0.355	0.0463	U,G	0.202				-0.0236	U,G	0.265	-0.0287	U,G	0.21
NB-59-13-SL	0.632	G,J	0.362	0.0392	U,G	0.235				-11.5	U,G	26.8	0.0158	U,G	0.232
NB-59-25-SL	0.828	G,J	0.325	0.0112	U,G	0.211				-2.5	U,G	18.4	-0.0443	U,G	0.211
NB-59-31-SL	0.556	G,J	0.401	-0.0187	U,G	0.232				-1.5	U,G	20.8	-0.046	U,G	0.267
NB-60-05-SL	0.984	G,J	0.413	0.0494	U,G	0.185				0.0382	U,G	0.256	0	U,G	0.226
NB-60-13-SL	0.73	G,J	0.361	0.0336	U,G	0.276				0.0606	U,G	0.398	0.107	U,G	0.205
NB-60-23-SL	0.866	G,J	0.386	0.00044	U,G	0.229				-0.0119	U,G	0.246	-0.0204	U,G	0.203

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-60-31-SL	0.468	G,J	0.438	0.00842	U,G	0.208				-10.6	U,G	24	-0.0728	U,G	0.26
NB-61-05-SL	0.779	G,J	0.324	0.179	G,TI	0.143				-4.25	U,G	25.6	-0.0125	U,G	0.272
NB-61-13-SL	0.772	G,J	0.413	0.147	U,G	0.248				0.144	U,G	0.269	-0.0206	U,G	0.278
NB-61-23-SL	0.8	G,J	0.348	-0.0431	U,G	0.249				-7.5	U,G	25	-0.013	U,G	0.207
NB-61-28-SL	0.414	J	0.302	0.0103	U	0.201				0.0318	U	0.214	-0.0154	U	0.151
NB-62-05-SL	0.598	G,J	0.469	-0.00164	U,G	0.255				0.0793	U,G	0.33	-0.015	U,G	0.24
NB-62-12-SL	0.274	U,G,J	0.348	0.011	U,G	0.144				0.0112	U,G	0.226	0.0282	U,G	0.154
NB-62-22-SL	0.322	U,G,J	0.353	0.0569	U,G	0.217				-0.0398	U,G	0.352	0.0235	U,G	0.226
NB-63-05-SL	0.827	G,J	0.406	0.0276	U,G	0.228				0.00282	U,G	0.34	0.0125	U,G	0.256
NB-63-13-SL	0.574	G,J	0.337	0.00104	U,G	0.23				-2.66	U,G	21	0.0261	U,G	0.231
NB-63-19-SL	0.384	J	0.298	0.0416	U	0.156				-1.31	U	14.4	0.0278	U	0.153
NB-64-05-SL	0.708	G,J	0.365	-0.122	U,G	0.28				-0.126	U,G	0.328	-0.0395	U,G	0.218
NB-64-13-SL	0.267	U,G,J	0.382	-0.0256	U,G	0.181				-9.34	U,G	22	-0.0329	U,G	0.268
NB-64-17-SL	0.253	U,G,J	0.327	-0.0653	U,G	0.19				-0.0337	U,G	0.239	-0.0145	U,G	0.171
NB-65-05-SL	0.911	G,J	0.306	0.0493	U,G	0.185				-0.0889	U,G	0.292	0.0329	U,G	0.181
NB-65-13-SL	0.885	G,J	0.347	-0.0237	U,G	0.245				-0.134	U,G	0.287	-0.0582	U,G	0.221
NB-65-17-SL	0.361	G,J	0.32	0.0145	U,G	0.251				-0.0841	U,G	0.351	0.113	U,G	0.171
NB-66-05-SL	0.456	U,G,J	0.544	-0.112	U,G	0.323				0	U,G	0.466	-0.0315	U,G	0.269
NB-66-05-SL-FD	0.527	G,J	0.439	-0.00413	U,G	0.307				-1.01	U,G	27.1	0.16	U,G	0.24
NB-66-15-SL	0.481	G,J	0.441	0.0865	U,G	0.195				-2.76	U,G	23.5	-0.00543	U,G	0.24
NB-66-19-SL	0.298	UJ	0.437	0.0314	U	0.147				-0	U	0.217	0.00786	U	0.136
NB-67-05-SL	0.677	G,J	0.373	0.102	U,G	0.271				-1.7	U,G	24.3	0.0736	U,G	0.232
NB-67-11-SL	0.315	U,G,J	0.326	0.0649	U,G	0.175				-7.79	U,G	16.6	-0.0323	U,G	0.193
NB-67-21-SL	0.33	J	0.287	0.0281	U	0.161				-4.51	U	18.7	0.0444	U	0.144
NB-68-05-SL	0.827	G,J	0.384	0.0547	U,G	0.212				0.0742	U,G	0.258	0.0401	U,G	0.211
NB-68-13-SL	0.968	G,J	0.436	-0.0503	U,G	0.234				0.0283	U,G	0.333	-0.0585	U,G	0.264
NB-68-17-SL	0.325	U,G,J	0.471	-0.036	U,G	0.242				0.0399	U,G	0.333	-0.00426	U,G	0.228
NB-68-25-SL	0.778	G,J	0.342	0.0268	U,G	0.261				-0.264	U,G	19.9	-0.0548	U,G	0.251
NB-68-33-SL	0.398	G,J	0.377	-0.0334	U,G	0.226				0.0224	U,G	0.342	0.011	U,G	0.226
NB-69-05-SL	0.972	G,J	0.395	-0.0021	U,G	0.201				-8.08	U,G	17.9	0.0717	U,G	0.177
NB-69-15-SL	0.51	G,J	0.34	-0.0685	U,G	0.21				-4.86	U,G	16.9	0.05	U,G	0.183
NB-69-22-SL	0.624	G,J	0.401	0.0241	U,G	0.236				-3.08	U,G	21.1	-0.0676	U,G	0.219
NB-69-34-SL	0.533	J	0.34	-0.0248	U	0.204				-8.13	U	18.4	-0.0475	U	0.185
NB-70-05-SL	1.01	G,J	0.368	0.0221	U,G	0.214				-7.77	U,G	19.3	0.0101	U,G	0.182
NB-70-15-SL	0.922	G,J	0.308	0.0797	U,G	0.181				-0.0353	U,G	0.3	0.0295	U,G	0.161
NB-70-23-SL	0.85	G,J	0.409	0.0194	U,G	0.24				-1.79	U,G	20.2	0.027	U,G	0.205
NB-70-33-SL	0.809	G,J	0.358	0.0513	U,G	0.197				0.0353	U,G	0.233	0.0303	U,G	0.192
NB-71-01-SL	0.977	G,J	0.385	0.0254	U,G	0.205				0.0395	U,G	0.296	0.0687	U,G	0.191
NB-71-01-SL-FD	0.93	G,J	0.351	-0.0544	U,G	0.242				-2.88	U,G	27	0.025	U,G	0.272
NB-71-11-SL	0.994	G,J	0.434	0.0581	U,G	0.228				0.0225	U,G	0.345	-0.071	U,G	0.266
NB-71-27-SL	0.443	G,J	0.311	-0.0424	U,G	0.197				-0.158	U,G	0.293	0.0517	U,G	0.121
NB-72-05-SL	0.387	G,J	0.353	-0.0021	U,G	0.208				-0.0132	U,G	0.295	-0.0137	U,G	0.218
NB-72-11-SL	0.551	G,J	0.441	0.0313	U,G	0.259				0.0543	U,G	0.413	-0.0202	U,G	0.303

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-72-19-SL	0.501	J	0.322	-0.066	U	0.195				-12.3	U	16.7	0.00206	U	0.178
NB-72-22-SL	0.48	J	0.381	0.0329	U	0.155				0	U	18.3	0.0156	U	0.238
NB-73-05-SL	0.189	U,G,J	0.432	-0.0856	U,G	0.296				0.134	U,G	0.283	0.0576	U,G	0.246
NB-73-13-SL	0.378	G,J	0.356	0.0907	U,G	0.214				0	U,G	18.2	0.01	U,G	0.251
NB-73-23-SL	0.379	J	0.334	-0.0613	U	0.217				0	U	18.5	-0.00602	U	0.245
NB-74-05-SL	0.725	G,J	0.393	-0.0171	U,G	0.231				0.00613	U,G	0.263	0.0934	U,G	0.176
NB-74-17-SL	0.976	G,J	0.374	0.0271	U,G	0.217				0.0134	U,G	0.354	-0.0738	U,G	0.245
NB-74-25-SL	0.597	G,J	0.378	0.0621	U,G	0.217				-6.14	U,G	23	-0.04	U,G	0.252
NB-74-33-SL	0.534	G,J	0.292	-0.0858	U,G	0.194				-0.0882	U,G	0.222	0.057	U,G	0.168
NB-75-08-SL	0.678	G,J	0.363	0.0326	U,G	0.176				-7.52	U,G	19.9	-0.0271	U,G	0.211
NB-75-15-SL	0.802	G,J	0.35	0.026	U,G	0.228				-13.3	U,G	23	0.021	U,G	0.245
NB-75-19-SL	0.288	J	0.235	0	U	0.177				-0.0327	U	0.226	-0.0697	U	0.198
NB-76-06-SL	-0.0522	U,G,J	0.457	-0.0231	U,G	0.24				-0.132	U,G	0.348	0.02	U,G	0.203
NB-76-10-SL	0.247	UJ	0.253	0.0206	U	0.163				-0.0212	U	0.2	0.00085	U	0.146
NB-76-24-SL	0.381	J	0.34	-0.0377	U	0.237				-0.0594	U	0.303	-0.0541	U	0.249
NB-77-05-SL	0.305	U,G,J	0.331	-0.0476	U,G	0.21				0.0286	U,G	0.216	-0.0881	U,G	0.187
NB-77-13-SL	0.223	UJ	0.317	0.0304	U	0.171				0.0952	U	0.207	-0.0752	U	0.233
NB-77-24-SL	0.743	J	0.219	-0.0477	U	0.173				0.0295	U	0.178	0.0906	TI	0.0899
NB-78-07-SL	0.528	U,G,J	0.547	-0.134	U,G	0.333				0.052	U,G	0.361	0.0875	U,G	0.249
NB-78-11-SL	0.431	G,J	0.378	0.0773	U,G	0.183				-0.0328	U,G	0.218	0.0135	U,G	0.182
NB-78-18-SL	0.769	G,J	0.39	-0.0245	U,G	0.182				0.0255	U,G	0.264	0.0246	U,G	0.2
NB-79-05-SL	0.801	G,J	0.397	-0.0564	U,G	0.294				0.0591	U,G	0.332	0.0276	U,G	0.21
NB-79-05-SL-FD	0.814	G,J	0.355	-0.0524	U,G	0.214				-0.0374	U,G	0.28	0.0578	U,G	0.165
NB-79-11-SL	0.327	U,G,J	0.367	-0.0752	U,G	0.276				0.0103	U,G	0.344	0.0211	U,G	0.254
NB-79-24-SL	0.63	J	0.236	0.0104	U	0.173				-0.0214	U	0.246	-0.0589	U	0.198
NB-80-05-SL	0.476	G,J	0.384	0.117	U,G	0.215				0.015	U,G	0.312	-0.0945	U,G	0.256
NB-80-11-SL	0.534	G,J	0.385	-0.00975	U,G	0.186				0.0622	U,G	0.231	0.0948	U,G	0.176
NB-80-27-SL	0.525	G,J	0.353	0.00207	U,G	0.236				0.0779	U,G	0.337	0.179	G,TI	0.175
NB-81-09-SL	0.954	G,J	0.352	-0.029	U,G	0.196				0.071	U,G	0.245	-0.008	U,G	0.205
NB-81-11-SL	0.838	G,J	0.325	-0.0838	U,G	0.255				-0.0124	U,G	0.25	0.0423	U,G	0.177
NB-81-31-SL	0.478	G,J	0.328	0.0533	U,G	0.186				-0.123	U,G	0.227	-0.0671	U,G	0.192
NB-82-05-SL	1.02	G,J	0.367	-0.119	U,G	0.301				0.15	U,G	0.298	-0.013	U,G	0.284
NB-82-11-SL	0.236	UJ	0.319	-0.117	U	0.213				-0.0592	U	0.218	-0.0287	U	0.174
NB-82-20-SL	0.385	J	0.374	0.0735	U	0.167				-0.0759	U	0.266	-0.0149	U	0.16
NB-83-05-SL	0.866	G,J	0.482	0.0722	U,G	0.275				0.083	U,G	0.453	0.0826	U,G	0.26
NB-83-11-SL	0.386	G,J	0.341	-0.0498	U,G	0.204				-0.0225	U,G	0.226	0.0322	U,G	0.179
NB-83-23-SL	0.411	J	0.272	0	U	0.182				0.0324	U	0.21	0.0541	U	0.154
NB-84-05-SL	0.954	G,J	0.576	-0.017	U,G	0.322				-0.0528	U,G	0.453	0.0667	U,G	0.238
NB-84-15-SL	0.651	G,J	0.368	-0.0491	U,G	0.216				-0.0118	U,G	0.231	-0.105	U,G	0.206
NB-84-23-SL	0.116	U,G,J	0.338	0.0749	U,G	0.164				-0.012	U,G	0.242	0.0151	U,G	0.182
NB-84-33-SL	0.533	J	0.287	-0.0211	U	0.203				0.0116	U	0.266	-0.0554	U	0.232
NB-85-05-SL	0.987	G,J	0.431	0.0164	U,G	0.241				-0.0147	U,G	0.33	0.0156	U,G	0.239
NB-85-15-SL	1.02	G,J	0.41	-0.0397	U,G	0.275				0.0137	U,G	0.315	0.0662	U,G	0.23

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-85-25-SL	0.918	G,J	0.458	-0.0746	U,G	0.238				-0.028	U,G	0.33	-0.0758	U,G	0.25
NB-85-35-SL	0.254	UJ	0.293	0	U	0.167				0.0406	U	0.161	0.0189	U	0.15
NB-86-05-SL	0.838	G,J	0.449	-0.059	U,G	0.346				0.00327	U,G	0.476	0.163	U,G	0.296
NB-86-15-SL	0.955	G,J	0.411	-0.0958	U,G	0.227				-0.04	U,G	0.334	-0.111	U,G	0.274
NB-86-19-SL	0.441	G,J	0.346	0.0804	U,G	0.162				-0.0116	U,G	0.226	0.0132	U,G	0.177
OA-18-03-SL	0.938	J	0.275	-0.0644	U	0.229				0	U	0.252	0.0382	U	0.162
OA-18-17-SL	1.04	G,J	0.334	0.0791	U,G	0.17				-0.0579	U,G	0.29	-0.0103	U,G	0.201
OA-18-25-SL	0.857	G,J	0.411	0.0236	U,G	0.317				-0.0329	U,G	0.409	0.0363	U,G	0.271
OA-18-33-SL	0.673	J	0.284	-0.0602	U	0.231				-0.722	U	15.1	0.0216	U	0.165
OA-19-05-SL	1.01	J	0.444	0.0999	U	0.21				0.121	U	0.28	-0.058	U	0.266
OA-19-15-SL	1.09	G,J	0.381	0.12	U,G	0.174				-1.73	U,G	18.3	-0.0905	U,G	0.199
OA-19-25-SL	0.893	G,J	0.489	0	U,G	0.249				-2.64	U,G	23.1	-0.0109	U,G	0.28
OA-19-33-SL	0.638	J	0.359	-0.0213	U	0.193				-1.99	U	16	0.0722	U	0.155
PL-04-05-SL	1.18	G,J	0.386	0.0398	U,G	0.236	0.00506	U	0.0228	-4.51	U,G	26.7	0.0707	U,G	0.251
PL-04-13-SL	0.602	G,J	0.482	-0.0328	U,G	0.244				0.0357	U,G	0.361	0.0418	U,G	0.195
PL-04-23-SL	0.914	J	0.464	0.0363	U	0.217				-0.0368	U	0.34	-0.0863	U	0.235
PL-04-31-SL	0.745	G,J	0.379	0.105	U,G	0.164				0.0718	U,G	0.2	-0.108	U,G	0.203
PL-05-05-SL	0.817	G,J	0.34	0.0583	U,G	0.197				-0.0395	U,G	20.1	-0.0354	U,G	0.251
PL-05-15-SL	0.798	J	0.478	0.0402	U	0.244				-4.45	U	23.3	0.138	U	0.182
PL-05-28-SL	0.731	G,J	0.377	-0.0654	U,G	0.209				-1.68	U,G	20.2	0.0532	U,G	0.196
PL-06-07-SL	0.819	G,J	0.34	-0.0364	U,G	0.258				-6.85	U,G	21.6	-0.0578	U,G	0.228
PL-06-13-SL	0.968	G,J	0.346	-0.0121	U,G	0.251				0.0862	U,G	0.262	0.0149	U,G	0.193
PL-06-17-SL	1.09	G,J	0.393	-0.0423	U,G	0.221				-6.53	U,G	21.1	0.0806	U,G	0.212
PL-06-29-SL	0.471	J	0.322	-0.0168	U	0.203				-1.61	U	15.9	-0.0431	U	0.175
PL-06-33-SL	0.377	J	0.283	-0.128	U	0.237				-4.52	U	19.5	-0.024	U	0.209
RR-04-07-SL	1.18	G,J	0.46	0.149	U,G	0.216	0.00621	U	0.0225	-3.03	U,G	28.7	0.043	U,G	0.245
RR-04-15-SL	0.939	G,J	0.323	-0.0562	U,G	0.268				-2.64	U,G	20	-0.0269	U,G	0.212
RR-04-25-SL	0.886	G,J	0.373	0.0171	U,G	0.279				0.072	U,G	0.392	-0.115	U,G	0.339
RR-05-05-SL	0.714	G,J	0.461	0.00219	U,G	0.25				-0.0816	U,G	0.377	0.0239	U,G	0.26
RR-05-05-SL-FD	1.12	G,J	0.558	-0.00187	U,G	0.292				-0.16	U,G	0.441	0.063	U,G	0.247
RR-05-15-SL	0.722	G,J	0.376	0.00817	U,G	0.164				0.0252	U,G	0.268	0.0632	U,G	0.198
RR-05-25-SL	0.872	G,J	0.497	0.0835	U,G	0.248				0.0575	U,G	0.399	0.0863	U,G	0.254
SW-02-01-SL	0.699	G,J	0.505	-0.0739	U,G	0.24	0.154	0	0.0243	0.0632	U,G	0.322	0.0112	U,G	0.229
SW-02-09-SL	0.594	G,J	0.364	0.047	U,G	0.204				-8.18	U,G	20.7	0.0282	U,G	0.209
SW-02-15-SL	1.02	G,J	0.488	0.0701	U,G	0.25				-0.0146	U,G	0.404	0.0501	U,G	0.272
SW-02-23-SL	0.938	G,J	0.34	-0.0464	U,G	0.226				0.107	U,G	0.246	0	U,G	0.157
SW-05-08-SL	0.744	G,J	0.386	-0.0101	U,G	0.264				-5.95	U,G	23.6	0.097	U,G	0.221
SW-05-12-SL	0.914	G,J	0.329	-0.0377	U,G	0.26				-0.076	U,G	0.298	0.0635	U,G	0.18
SW-06-05-SL	0.786	G,J	0.416	0.118	U,G	0.163				-0.0263	U,G	0.309	-0.0915	U,G	0.234
SW-06-05-SL-FD	1.01	G,J	0.35	-0.0504	U,G	0.253				0.0383	U,G	0.319	-0.0134	U,G	0.211
SW-06-13-SL	0.913	G,J	0.448	-0.0369	U,G	0.249				0.0161	U,G	0.336	-0.126	U,G	0.33
SW-06-23-SL	0.891	G,J	0.428	-0.0678	U,G	0.269				0	U,G	0.28	0.0505	U,G	0.2
SW-07-05-SL	0.961	G,J	0.351	-0.036	U,G	0.262				-9.18	U,G	20.4	0.0147	U,G	0.19

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Lead-214			Manganese-54			Neptunium-237 (A)			Neptunium-237 (G)			Niobium-94		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-07-15-SL	0.929	G,J	0.498	0.0466	U,G	0.237				0.0489	U,G	0.372	-0.0889	U,G	0.344
SW-07-23-SL	0.762	G,J	0.409	0.0973	U,G	0.23				-5.53	U,G	21.9	0.126	U,G	0.198
SW-08-03-SL	0.999	G,J	0.408	-0.0374	U,G	0.229				-6.72	U,G	25.1	-0.078	U,G	0.297
SW-08-05-SL	0.961	G,J	0.401	0.0181	U,G	0.264				0.0396	U,G	0.303	-0.109	U,G	0.282
SW-08-15-SL	1.08	G,J	0.464	0.0397	U,G	0.318				-1.37	U,G	26.2	0.133	U,G	0.252
SW-08-25-SL	0.192	UJ	0.324	0.0575	U	0.136				-0.0358	U	14.3	-0.0332	U	0.192

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Niobium-95			Plutonium 238			Plutonium 239/240			Potassium-40			Protactinium-234		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-13-09-SL	0.078	U,G	0.252							22.1	G	3.45	-12.4	U,G	41.5
BD-13-15-SL	0.133	U,G	0.245							22.8	G	3.3	10.2	U,G	37
BD-13-23-SL	0.0705	U,G	0.246							11.5	G	3.16	0.228	U,G	32.5
BD-13-30-SL	0.025	U,G	0.24							5.97	G	1.81	6.54	U,G	30.8
BD-14-05-SL	0.0574	U,G	0.358							12.9	G	3.01	9.07	U,G	50.4
BD-14-13-SL	-0.0496	U,G	0.298							17.2	G	2.77	9.44	U,G	35.1
BD-14-25-SL	0.0641	U	0.274							10.9		3.56	-25.7	U	57.4
BD-14-31-SL	0.0368	U	0.248							3	U	3.55	5.77	U	40.7
BD-15-05-SL	-0.088	U,G	0.282							15	G	1.78	18.2	U,G	35.2
BD-15-17-SL	-0.026	U,G	0.39							13.4	G	4.14	-14.6	U,G	63.8
BD-15-25-SL	0.0109	U	0.197							16.4		2.17	11.5	U	26.1
BD-15-31-SL	-0.00234	U,G	0.336							9.76	G	4.07	9.9	U,G	55
BD-16-05-SL	-0.0421	U,G	0.352	0.00558	U	0.0076	0.00278	U	0.0075	12.8	G	3.04	-3.16	U,G	52.7
BD-16-15-SL	0.165	U,G	0.194							20.4	G	2.52	9.78	U,G	35.4
BD-16-19-SL	0.025	U,G	0.301							13.8	G	3.5	25.1	U,G	35.4
BD-16-25-SL	-0.091	U,G	0.407							13	G	3.73	-3.52	U,G	55.8
BD-16-34-SL	-0.0852	U,G	0.294							14.2	G	3.18	-6.46	U,G	36.5
BLD240-01-01	0	U	0.22	0	U	0.0027	0.00292	U	0.0091	13.8		2.2	0	U	33
BLD240-01-09	0.02	U	0.23							17.4		2.6	10	U	31
BLD240-01-09FD	-0.04	U	0.26							18.4		2.1	0	U	26
BLD240-01-31				-0.00105	U	0.0126	0.00524	LT	0.0028						
BLD240-03-04	-0.06	U	0.34	-0.00328	U	0.0118	-0.00109	U	0.008	16.1		3	-13	U	50
BLD240-03-04FD	-0.13	U	0.32							19.2		2.7	0	U	32
BLD240-03-14				0.00267	U	0.0083	0.00266	LT	0.0024						
BLD240-03-19	-0.02	U	0.32							19		3.2	7	U	44
BLD240-04-02	-0.06	U	0.29	0	U	0.0076	0.00103	U	0.0096	17.7		2.3	0	U	34
BLD240-04-04	-0.04	U	0.25							16.3		2.2	2	U	34
BLD240-04-33				-0.00216	U	0.01	0.00431	U	0.0079						
BLD240-05-01	-0.07	U	0.3							16.9		2.3	-5	U	45
BLD240-05-02	-0.06	U	0.35							14.8		3.3	0	U	38
BLD253-02-01	-0.12	U	0.24							2.3		1.4	2	U	26
BLD253-02-04	-0.02	U	0.34	0.00194	U	0.0072	0.00096	U	0.009	18.4		2.8	9	U	31
BLD253-02-21FD	0.02	U	0.24							14.1		2.2	-15	U	34
BLD253-02-21				0.00445	LT	0.0024	-0.00088	U	0.0082						
BLD255-05-01				-0.00186	U	0.0086	0.00556	LT	0.0025						
BLD255-05-23				0.00113	U	0.0031	0	U	0.0083						
BLD255-07-02	-0.12	U	0.28	0.00254	U	0.0094	0.0038	U	0.0093	16.9		2.3	0	U	35
BLD255-07-15	-0.19	U	0.36							15.9		2.5	9	U	36
BLD255-07-33				0	U	0.0094	0.00402	LT	0.0027						
BLD255-08-01	-0.05	U	0.25	0	UJ	0.012	0.00514	U	0.0095	12.4		2.1	10	U	26
BLD255-08-08	-0.11	U	0.37	-0.00098	U	0.0072	0.00783	LT	0.0072	19.7		3.1	8	U	35
BLD260-06-01	-0.03	U	0.23	0	U	0.0025	0.00277	LT	0.0025	18.6		2.1	24	U	26
BLD260-06-03	-0.06	U	0.32							21.7		3.1	5	U	46

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Niobium-95			Plutonium 238			Plutonium 239/240			Potassium-40			Protactinium-234		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BLD260-06-31				-0.00097	U	0.009	0.00194	U	0.009						
BP-13-05-SL	-0.0574	U,G	0.322							17.5	G	2.3	0.963	U,G	28.8
BP-13-11-SL	0.0403	U,G	0.234							16.9	G	2.67	3.78	U,G	34.1
BP-13-15-SL	-0.0782	U,G	0.35							13.3	G	3.82	5.85	U,G	35.1
BP-13-25-SL	0.0594	U,G	0.333							18.5	G	3.12	7.71	U,G	51
BP-13-35-SL	0.0128	U,G	0.28							14.5	G	2.37	-2.91	U,G	29.3
BP-17-05-SL	0.177	U,G	0.29							12.4	G	3.91	22.8	U,G	30.3
BP-17-15-SL	0.0508	U	0.271							12.6		2.86	20.4	U	28
BP-17-23-SL	0.0413	U,G	0.218							15.9	G	3.06	8.67	U,G	36.5
BP-17-31-SL	-0.141	U,G	0.395							14.4	G	3.51	6.21	U,G	51.7
BP-18-05-SL	-0.175	U,G	0.422							18.2	G	3.64	29.3	U,G	37.8
BP-18-15-SL	-0.226	U,G	0.41							17	G	3.82	13.3	U,G	35.8
BP-18-25-SL	-0.106	U,G	0.369							14.8	G	4.15	3.97	U,G	39.2
BP-18-31-SL	0.022	U	0.208							3.81		2.71	2.63	U	23.1
BP-19-05-SL	-0.0113	U	0.247							17.7		2.59	-18.5	U	37.2
BP-19-13-SL	0.135	U	0.25							14.2		2.53	-6.97	U	47
BP-19-25-SL	0.0376	U,G	0.26							17.7	G	2.71	3.34	U,G	30
BP-19-29-SL	0.0734	U	0.21							10.9		3.2	0	U	25.9
BP-20-03-SL	-0.0162	U	0.276							14.8		2.79	16.5	U	36.1
BP-20-19-SL	0.0544	U,G	0.287							14.4	G	2.89	-1.79	U,G	41.9
BP-20-27-SL	-0.0456	U	0.207							7.52		2.5	-7.96	U	31.5
BP-21-07-SL	0.0292	U,G	0.352							17.7	G	2.67	-9.11	U,G	50.6
BP-21-07-SL-FD	0.0243	U	0.271							14.7		4.03	11.4	U	42.7
BP-21-13-SL	0.0484	U	0.236							19.1		2.8	0	U	35.8
BP-21-24-SL	-0.158	U,G	0.4							16.4	G	3.31	15.1	U,G	36.2
BP-21-34-SL	-0.0697	U	0.276							4.35		3.07	-6.04	U	39.1
BP-22-05-SL	-0.0907	U,G	0.291							15.7	G	2.87	16.7	U,G	32.7
BP-22-13-SL	-0.0148	U,G	0.26							17.4	G	2.69	-12.6	U,G	54.6
BP-22-23-SL	0.0116	U	0.232							15.1		2.57	3.07	U	27.6
BP-22-33-SL	-0.0309	U	0.261							7.64		2.94	-2.48	U	34.9
CB-02-05-SL	-0.0248	U,G	0.308							13.6	G	2.96	-2.27	U,G	36
CB-02-05-SL-FD	-0.0418	U,G	0.365	0.00079	U	0.0093	-0.00075	U	0.0093	13.2	G	3.72	9.62	U,G	40.6
CB-02-15-SL	0.0597	U,G	0.213							16.5	G	2.39	-11.2	U,G	45.1
CB-02-25-SL	0.0212	U,G	0.344							16.1	G	4.19	-3.82	U,G	44.6
DM-02-05-SL	0.159	U	0.29	-0.00064	U	0.0197	-0.00208	U	0.0173	15.3		3.35	57.9		47.6
DM-02-17-SL	-0.118	U,G	0.314							16.1	G	2.82	8.41	U,G	41.9
DM-02-22-SL	-0.0541	U	0.41							12.3		3.29	57.2	TI	45.4
DM-02-33-SL	0.0844	U	0.27	0.00157	U	0.0155	-0.00226	U	0.0188	17.5		2.86	45	TI	25.4
DM-03-05-SL	-0.0137	U,G	0.248							16.1	G	3.37	3.15	U,G	37.1
DM-03-05-SL-FD	-0.0528	U,G	0.423							12.7	G	3.16	-9.86	U,G	46.3
DM-03-13-SL	-0.0262	U,G	0.279							16.6	G	2.69	-2.95	U,G	38.1
DM-03-25-SL	0.121	U,G	0.293							18.9	G	3.46	-6.3	U,G	52.5
DM-03-34-SL	0.04	U,G	0.232							10.4	G	3.13	2.88	U,G	34.6

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Niobium-95			Plutonium 238			Plutonium 239/240			Potassium-40			Protactinium-234		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
EP-13-03-SL	-0.129	UJ	0.334							15.8	J	2.5	0	UJ	35.7
EP-13-13-SL	-0.0436	UJ	0.364							20.1	J	3.58	16	UJ	45.1
EP-13-25-SL	-0.0282	UJ	0.326							17.5	J	2.85	11.3	UJ	27.1
EP-13-30-SL	0.0391	UJ	0.217							12.9	J	2.55	-6.7	UJ	34.9
EP-14-05-SL	-0.0745	UJ	0.432							18.4	J	4.38	10.5	UJ	46
EP-14-13-SL	-0.0632	UJ	0.286							15.8	J	2.83	-6.72	UJ	37.3
EP-14-25-SL	-0.0714	UJ	0.325							15.1	J	2.79	19.7	UJ	41
EP-14-31-SL	-0.0403	UJ	0.27							11.6	J	1.87	0.182	UJ	40.2
EP-15-05-SL	-0.0111	U,G	0.37							12.9	G	3.73	-3.78	U,G	37.3
EP-15-13-SL	0.112	U,G	0.261							16.8	G	3.66	5.12	U,G	46.9
EP-15-25-SL	-0.0713	U	0.322							6.23		1.91	-7.7	U	44.7
EP-15-29-SL	0.0325	U	0.33							11.8		2.58	14.6	U	33.2
EP-16-05-SL	0.0719	U,G	0.271							18	G	3.14	-7.91	U,G	50.2
EP-16-15-SL	-0.0613	U,G	0.279							18.7	G	2.11	0	U,G	39.5
EP-16-27-SL	0.00282	U	0.171							2.44		1.51	3.56	U	19.2
EP-17-05-SL	-0.00249	U,G	0.358	-0.00157	U	0.0117	0.00479	LT	0.0043	10.1	G	4.54	-12.9	U,G	58.6
EP-17-15-SL	-0.0409	U,G	0.354							16.4	G	3.34	0.601	U,G	42.2
EP-17-25-SL	0.0398	U,G	0.381							14.6	G	3.43	3.44	U,G	54.5
EP-17-30-SL	0.0323	U	0.201							2.59	U	2.96	-13.2	U	45.3
EP-18-09-SL	-0.0233	UJ	0.372	-0.00035	U	0.014	0.00715	LT	0.0048	14.7	J	3.86	23.9	UJ	61.9
EP-18-09-SL-FD	0.0944	UJ	0.254							17.4	J	2.97	9.78	UJ	34.5
EP-18-15-SL	-0.0976	UJ	0.305							18.1	J	3.03	0.943	UJ	28.2
EP-18-29-SL	0.0581	UJ	0.331							14.7	J	3.06	9.59	UJ	45.1
EP-19-05-SL	0.148	UJ	0.265							20.7	J	2.75	31.2	U	36.5
EP-19-13-SL	0.0856	UJ	0.287	0.00077	U	0.0123	-0.00116	U	0.0122	17.2	J	2.19	11	UJ	36.5
EP-19-25-SL	-0.014	UJ	0.254							18.4	J	2.86	8.12	UJ	32.3
EP-19-31-SL	0.0869	UJ	0.241							18.7	J	3.18	6.81	UJ	35.8
EP-20-05-SL	0.172	U,G	0.238							19.2	G	3.41	21	U,G	37.1
EP-20-15-SL	0.103	U,G	0.36							16.4	G	2.65	3.1	U,G	43.7
EP-20-25-SL	0.00618	U,G	0.265							18.9	G	3.23	-9.11	U,G	39.8
LF-06-05-SL	-0.0872	U,G	0.326	0.00166	U	0.0045	0.00398	U	0.0105	18.3	G	2.64	-2.85	U,G	40.3
LF-06-13-SL	0.0523	U,G	0.245							19.7	G	3.39	18.6	U,G	37.1
LF-06-27-SL	0.0145	U,G	0.239							19.8	G	2.76	5.73	U,G	40.5
LF-06-32-SL	0.0294	U,G	0.194							1.98	U,G	2.39	1.17	U,G	29.9
LF--07-09-SL	-0.0145	U,G	0.31							13.9	G	2.72	-5.02	U,G	41.4
LF-07-15-SL	0.0816	U,G	0.265							16.3	G	2.96	11.3	U,G	40.2
LF-07-25-SL	-0.0422	U,G	0.365							15.8	G	4.03	-12.6	U,G	49
LF-07-34-SL	-0.00233	U,G	0.334							6.75	G	2.64	-9.34	U,G	49.4
LF-08-05-SL	-0.0217	U,G	0.346							18	G	3.13	-3.22	U,G	45.4
LF-08-05-SL-FD	0.0264	U,G	0.257							15.5	G	2.78	16.2	U,G	29
LF-08-15-SL	0.0515	U,G	0.258							17.5	G	2.33	20	U,G	29.1
LF-08-21-SL	0.00978	U,G	0.349							15.4	G	4.59	-2	U,G	46.8
LF-08-37-SL	0.0403	U,G	0.272							1.86	U,G	3.65	2.99	U,G	32.2

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Niobium-95			Plutonium 238			Plutonium 239/240			Potassium-40			Protactinium-234		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
LF-09-03-SL	-0.106	U,G	0.345							15.5	G	2.99	4.97	U,G	37.3
LF-09-17-SL	0.056	U,G	0.333							16.4	G	3.42	8.7	U,G	40.2
LF-09-25-SL	-0.122	U,G	0.36							18.2	G	2.65	-9.59	U,G	43.5
LF-09-31-SL	-0.0585	U,G	0.279							1.97	U,G	3.2	0.95	U,G	36
NB-28-04-SL	-0.0164	U,G	0.36							17	G	3.09	4.38	U,G	39.5
NB-28-14-SL	0.0276	U,G	0.282							14.7	G	4.01	-18.6	U,G	62.4
NB-28-24-SL	-0.013	U,G	0.278							12.5	G	3.31	22.7	U,G	29.9
NB-28-35-SL	-0.017	U,G	0.236							3.07	G	2.95	0	U,G	34.2
NB-29-05-SL	0.0339	U,G	0.409							12.9	G	3.25	12.9	U,G	53.9
NB-29-14-SL	0.0104	U,G	0.229							0.136	U,G	2.58	0.156	U,G	31.7
NB-29-22-SL	-0.0362	U	0.219							1.78	U	2.02	11.6	U	16.7
NB-30-05-SL	-0.026	U,G	0.369							16.5	G	3.16	14.9	U,G	43.9
NB-30-15-SL	-0.0563	U,G	0.355							18.1	G	3.23	-7.39	U,G	53.8
NB-30-25-SL	-0.102	U,G	0.366							15.8	G	3.71	-13	U,G	54.1
NB-30-33-SL	-0.00421	U,G	0.291							5.78	G	3.55	-17.9	U,G	46.8
NB-31-05-SL	0.0284	U,G	0.29							17.5	G	3.83	-3.44	U,G	54.6
NB-31-15-SL	-0.00333	U,G	0.25							15.4	G	2.8	-8.59	U,G	35.8
NB-31-27-SL	-0.0861	U,G	0.355							14.6	G	3.12	-6.81	U,G	49.4
NB-31-32-SL	-0.00681	U,G	0.356							7.91	G	3.27	9.08	U,G	39.7
NB-32-05-SL	0.0672	U,G	0.39							14.6	G	3.43	9.64	U,G	38.6
NB-32-15-SL	-0.0396	U,G	0.335							13.3	G	3.44	-18.7	U,G	60.7
NB-32-27-SL	0.0136	U,G	0.237							15.2	G	3	28.2	U,G	31.9
NB-32-33-SL	0.0754	U,G	0.269							13.1	G	3.05	0	U,G	47.1
NB-33-05-SL	0.014	U,G	0.244							17.9	G	3.09	16.9	U,G	26.4
NB-33-15-SL	-0.103	U,G	0.382							11.9	G	3.34	-9.43	U,G	44.3
NB-33-27-SL	0.108	U	0.169							5.36		2.5	5.25	U	29.6
NB-34-05-SL	0.0356	U,G	0.341							17	G	3.76	-9.53	U,G	50.4
NB-34-15-SL	-0.0278	U,G	0.232							11.7	G	2.68	-4.76	U,G	39.3
NB-34-25-SL	-0.0692	U	0.313							4.96		2.47	2.57	U	33.7
NB-35-01-SL	0.0662	U,G	0.358							15.7	G	3.4	22.1	U,G	37.9
NB-35-15-SL	0.0262	U,G	0.354							16.4	G	3.46	18	U,G	39.4
NB-35-25-SL	-0.00976	U,G	0.283							18	G	2.58	21.7	U,G	30.6
NB-36-05-SL	0.00316	U,G	0.275							16.9	G	2.45	-8.44	U,G	36.7
NB-36-15-SL	-0.0967	U,G	0.362							13.6	G	3.17	14.8	U,G	47
NB-36-27-SL	-0.186	U	0.396							15.9		3.01	0	U	50.2
NB-37-05-SL	-0.00588	U,G	0.315							15.8	G	3.38	0.675	U,G	47.9
NB-37-15-SL	0.0044	U,G	0.267							15.1	G	3.3	-8.92	U,G	44.7
NB-37-25-SL	-0.0531	U,G	0.334							17.7	G	2.57	-11.2	U,G	48.9
NB-38-09-SL	0.0737	U,G	0.221							18.5	G	3.22	9.82	U,G	34.9
NB-38-15-SL	-0.0698	U	0.241							20.6		3.14	9.32	U	32.2
NB-38-25-SL	0.0396	U	0.228							17.8		2.95	1.76	U	36.5
NB-39-05-SL	-0.0393	U,G	0.347							14.1	G	3.89	-4.82	U,G	48.1
NB-39-15-SL	-0.026	U,G	0.269							21.2	G	1.67	-4.18	U,G	37.2

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Niobium-95			Plutonium 238			Plutonium 239/240			Potassium-40			Protactinium-234		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-39-25-SL	-0.018	U,G	0.415							16	G	3.82	14.7	U,G	31.7
NB-39-30-SL	-0.0642	U,G	0.309							13.5	G	3	-19.1	U,G	47.4
NB-40-05-SL	-0.00687	U,G	0.359							12.6	G	3.13	8.9	U,G	44.5
NB-40-05-SL-FD	0.145	U	0.215							19.9		2.83	14.2	U	33
NB-40-17-SL	0.0987	U,G	0.335							16.5	G	3.35	-7.02	U,G	46
NB-40-25-SL	-0.0102	U	0.229							4.44		2.99	-2.63	U	34.4
NB-40-31-SL	0.0583	U	0.183							4.35		2.41	12	U	25.5
NB-41-05-SL	-0.00272	U	0.272							9.26		3.11	0.544	U	38.2
NB-41-13-SL	-0.0338	U	0.278							2.98		2.32	-2.33	U	30.5
NB-41-19-SL	0.0128	U,G	0.231							4.63	G	3.01	-2.6	U,G	36.2
NB-42-05-SL	-0.071	U,G	0.328							12.2	G	2.16	-6.41	U,G	38.8
NB-42-13-SL	0.00195	U	0.252							3.22		3.09	-12.7	U	38.2
NB-42-23-SL	0.0974	U	0.189							2.8		2.2	10.2	U	28.3
NB-43-05-SL	0.0195	U,G	0.264							9.08	G	2.14	10.3	U,G	24.7
NB-43-13-SL	-0.0146	U	0.243							4.24		2.7	-3.24	U	32.4
NB-44-05-SL	-0.0786	U	0.276							2.73	U	2.83	10	U	27
NB-44-05-SL-FD	-0.0858	U,G	0.233	0	U	0.0064	-0.00099	U	0.0135	1.39	U,G	2.99	18.2	U,G	25.4
NB-44-11-SL	0.0334	U	0.173							1.25	U	1.67	-1.69	U	20.3
NB-44-18-SL	-0.0666	U	0.264							1.59	U	2.8	13	U	27.1
NB-45-05-SL	0.064	U,G	0.331							20.7	G	3.48	-6.71	U,G	47.3
NB-45-05-SL-FD	0.0724	U,G	0.421							15.4	G	2.96	10.2	U,G	36.4
NB-45-13-SL	-0.0899	U,G	0.409							15.4	G	4.01	0	U,G	44.8
NB-45-25-SL	-0.105	U,G	0.486							14.1	G	4.35	13.4	U,G	31.1
NB-45-33-SL	0.0417	U	0.219							10.2		2.5	16	U	26.6
NB-46-09-SL	-0.015	U	0.276							17.8		2.89	-22.4	U	57.9
NB-46-17-SL	0.006	U,G	0.25							15.2	G	2.78	-11.4	U,G	42.5
NB-46-25-SL	-0.0175	U,G	0.292							13.4	G	3.77	10.9	U,G	29.4
NB-46-29-SL	-0.0383	U,G	0.222							11.8	G	2.77	-2.22	U,G	35.2
NB-47-05-SL	-0.0125	U	0.214							10.9		1.9	3.93	U	31.2
NB-47-15-SL	-0.115	U,G	0.323							17.4	G	3.45	15.5	U,G	36.2
NB-47-25-SL	-0.0235	U,G	0.375							17.5	G	2.89	-3.38	U,G	44.3
NB-47-31-SL	-0.0845	U,G	0.322							18.4	G	2.68	9.01	U,G	24.2
NB-48-05-SL	0.0186	U,G	0.333							16.1	G	2.57	-16.2	U,G	48.1
NB-48-11-SL	-0.0544	U,G	0.282							13.2	G	2.92	12.5	U,G	34.2
NB-48-15-SL	0.0888	U,G	0.376							11.4	G	3.87	6.22	U,G	51.8
NB-48-25-SL	-0.0168	U,G	0.253							16	G	2.5	2.11	U,G	35.1
NB-48-35-SL	-0.0374	U,G	0.327							15.8	G	3.44	-11.6	U,G	46.9
NB-49-05-SL	0.0128	U,G	0.322							18.3	G	3.87	6.01	U,G	42.9
NB-49-05-SL-FD	-0.125	U,G	0.396							18.1	G	3.01	0	U,G	37
NB-49-15-SL	0.106	U,G	0.326							14.6	G	3.46	1.68	U,G	31.8
NB-49-25-SL	-0.0295	U,G	0.323							17.4	G	3.72	8.5	U,G	33.8
NB-49-37-SL	0.0636	U,G	0.234							12.2	G	3.08	8.91	U,G	44.6
NB-50-05-SL	0.0915	U,G	0.266							13.3	G	4.03	-4.6	U,G	45.9

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Niobium-95			Plutonium 238			Plutonium 239/240			Potassium-40			Protactinium-234		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-50-15-SL	0.0859	U,G	0.288							15.6	G	2.96	0	U,G	41
NB-50-25-SL	-0.104	U,G	0.386							15.9	G	3.45	15.5	U,G	40.7
NB-50-37-SL	-0.0696	U	0.257							9.01		1.76	0	U	30
NB-51-05-SL	0.0184	U,G	0.282							15.3	G	2.51	6.35	U,G	35.3
NB-51-13-SL	0.0248	U,G	0.331							12.3	G	3.47	31	U,G	36.7
NB-51-25-SL	-0.0602	U,G	0.273							16.7	G	3.2	-10.3	U,G	38.2
NB-51-37-SL	0.0414	U,G	0.236							16	G	3.25	4.36	U,G	34.6
NB-52-05-SL	0.022	U,G	0.317							14.3	G	3.6	12.9	U,G	30
NB-52-13-SL	0.0673	U,G	0.347							16.7	G	2.84	3.09	U,G	43.4
NB-52-25-SL	-0.0602	U,G	0.32							15.4	G	2.94	-7.73	U,G	40.3
NB-52-35-SL	-0.123	U,G	0.383							14.6	G	2.66	-6.22	U,G	49.4
NB-53-05-SL	-0.0511	U,G	0.296							16.7	G	2.09	-8.43	U,G	33.4
NB-53-13-SL	-0.0792	U,G	0.296							16.7	G	2.53	10	U,G	32.2
NB-53-23-SL	-0.0962	U,G	0.442							14.6	G	3.74	-6.51	U,G	61.3
NB-53-33-SL	0.131	U,G	0.208							12	G	2.72	-2.64	U,G	33.3
NB-54-05-SL	-0.115	U,G	0.358							13.9	G	3.17	4.92	U,G	45.1
NB-54-13-SL	-0.0224	U,G	0.343							15.8	G	3.36	-5.37	U,G	52.9
NB-54-25-SL	-0.109	U,G	0.413							16.9	G	3.33	-15.6	U,G	52
NB-54-31-SL	-0.0111	U	0.205							0.163	U	2.1	-5.2	U	34.1
NB-55-05-SL	-0.0395	U,G	0.334							21	G	3.17	0	U,G	45.8
NB-55-13-SL	0.062	U,G	0.353							15.3	G	3.34	10.7	U,G	35.2
NB-55-25-SL	0.00901	U,G	0.366							18	G	3.07	11.8	U,G	38.8
NB-55-33-SL	0.0575	U	0.213							1.93	U	2.65	6.15	U	30.8
NB-56-05-SL	0.0493	U	0.232							15.4		2.71	15.6	U	32.8
NB-56-13-SL	-0.126	U,G	0.321							19.1	G	3.72	3.2	U,G	40.1
NB-56-25-SL	-0.043	U,G	0.289							10.4	G	3.05	4.04	U,G	36.5
NB-56-33-SL	-0.0267	U	0.245							5.52		2.72	6.79	U	34
NB-57-05-SL	-0.0496	U,G	0.312							15.4	G	3.98	7.51	U,G	46.5
NB-57-05-SL-FD	-0.129	U,G	0.355							19.5	G	2.97	-19.6	U,G	52.7
NB-57-15-SL	0.0232	U,G	0.31							17.2	G	3.26	-1.56	U,G	39.1
NB-57-29-SL	0.13	U,G	0.196							18.2	G	2.17	5.65	U,G	31.8
NB-57-34-SL	0.0412	U,G	0.274							9.83	G	4	12.1	U,G	40.3
NB-58-05-SL	-0.027	U,G	0.263							13.6	G	3.15	3.29	U,G	29.4
NB-58-15-SL	-0.129	U,G	0.41							16.5	G	4.28	18.8	U,G	40
NB-58-29-SL	-0.114	U,G	0.32							16	G	2.45	5.99	U,G	33
NB-58-36-SL	-0.106	U,G	0.316							11.2	G	3.29	-3.75	U,G	37.5
NB-59-05-SL	0.0268	U,G	0.243							13.7	G	2.73	1.81	U,G	35.9
NB-59-13-SL	0.00892	U,G	0.318							15.8	G	3.49	2.78	U,G	43.7
NB-59-25-SL	-0.0522	U,G	0.307							18.6	G	3.29	4.73	U,G	21.6
NB-59-31-SL	0.00226	U,G	0.292							5.22	G	2.83	-5.91	U,G	44.4
NB-60-05-SL	-0.0552	U,G	0.302							18.7	G	2.53	-7.03	U,G	41.7
NB-60-13-SL	-0.032	U,G	0.277							21	G	3.3	17	U,G	44.4
NB-60-23-SL	0.0611	U,G	0.22							15.6	G	2.99	5.56	U,G	36.8

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Niobium-95			Plutonium 238			Plutonium 239/240			Potassium-40			Protactinium-234		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-60-31-SL	0.00708	U,G	0.266							5.11	G	3.15	12.9	U,G	34.7
NB-61-05-SL	-0.00996	U,G	0.332							14.4	G	3.39	-9.81	U,G	49.9
NB-61-13-SL	-0.0684	U,G	0.397							13.9	G	3.68	6.38	U,G	50.6
NB-61-23-SL	-0.00684	U,G	0.302							19.2	G	3.51	14.7	U,G	33.6
NB-61-28-SL	-0.0823	U	0.221							5.66		2.13	7.17	U	29.4
NB-62-05-SL	0.00713	U,G	0.268							12.2	G	3.3	-9.31	U,G	49.3
NB-62-12-SL	-0.0386	U,G	0.204							2.12	U,G	2.26	-3.42	U,G	33.5
NB-62-22-SL	-0.0157	U,G	0.289							1.02	U,G	3.91	2.92	U,G	35.1
NB-63-05-SL	-0.105	U,G	0.387							14.6	G	3.02	-6.63	U,G	52.6
NB-63-13-SL	0.0139	U,G	0.257							2.04	U,G	3.19	16	U,G	26.7
NB-63-19-SL	-0.0231	U	0.201							4.15		2.11	8.74	U	24.6
NB-64-05-SL	0.0605	U,G	0.198							8.72	G	3.63	2.14	U,G	42.4
NB-64-13-SL	0.149	U,G	0.25							1.55	U,G	3.21	-18.4	U,G	46
NB-64-17-SL	-0.0731	U,G	0.221							2.27	U,G	2.43	8.61	U,G	18.3
NB-65-05-SL	0.055	U,G	0.25							11.8	G	2.35	13.8	U,G	40.2
NB-65-13-SL	0.0661	U,G	0.23							10.6	G	2.76	12.9	U,G	35.5
NB-65-17-SL	-0.0335	U,G	0.289							0.555	U,G	3.94	-3.09	U,G	40.5
NB-66-05-SL	0.102	U,G	0.164							6.65	G	3.75	-7.32	U,G	58.1
NB-66-05-SL-FD	0.0513	U,G	0.346							7.09	G	4.04	19.9	U,G	42.8
NB-66-15-SL	0.107	U,G	0.216							9.78	G	3.82	-1.23	U,G	36.4
NB-66-19-SL	-0.0697	U	0.184							2.73		2.34	2.32	U	17.6
NB-67-05-SL	-0.118	U,G	0.345							14.2	G	3.94	-20	U,G	53
NB-67-11-SL	0.0247	U,G	0.211							1.49	U,G	2.56	11.4	U,G	30.2
NB-67-21-SL	0.0229	U	0.212							1.33	U	2.77	8.39	U	32.3
NB-68-05-SL	0.0642	U,G	0.248							19	G	3.15	4.78	U,G	36.1
NB-68-13-SL	-0.0412	U,G	0.34							15.3	G	3.07	0	U,G	45.4
NB-68-17-SL	0.174	U,G	0.225							10.9	G	3.1	-6.23	U,G	38.1
NB-68-25-SL	-0.0148	U,G	0.236							15.9	G	3.29	10.8	U,G	26.1
NB-68-33-SL	-0.0314	U,G	0.271							5.63	G	2.59	11.7	U,G	31.4
NB-69-05-SL	0.118	U,G	0.185							17.3	G	2.93	-8.36	U,G	39.3
NB-69-15-SL	0.0807	U,G	0.174							11.9	G	2.27	-2	U,G	33.8
NB-69-22-SL	0.00224	U,G	0.259							16.1	G	3.19	9.41	U,G	36.6
NB-69-34-SL	-0.0236	U	0.222							11.1		2.77	3.35	U	34.7
NB-70-05-SL	0.0337	U,G	0.234							17.1	G	3.01	17.8	U,G	31.6
NB-70-15-SL	0.0632	U,G	0.19							13.4	G	2.78	4.33	U,G	38.6
NB-70-23-SL	-0.0655	U,G	0.273							13.9	G	3.5	-14.2	U,G	43.2
NB-70-33-SL	0.132	U,G	0.206							16	G	2.72	3.72	U,G	32.9
NB-71-01-SL	0.0153	U,G	0.219							17.1	G	2.66	11.3	U,G	37.8
NB-71-01-SL-FD	-0.112	U,G	0.326							20.9	G	3.4	-2.14	U,G	47.2
NB-71-11-SL	-0.0765	U,G	0.346							16.8	G	3.21	-11.8	U,G	49
NB-71-27-SL	0	U,G	0.214							7.27	G	2.65	4.19	U,G	25.2
NB-72-05-SL	0.0409	U,G	0.272							7.69	G	3.06	-6.75	U,G	43.7
NB-72-11-SL	0.0733	U,G	0.306							4.76	G,TI	4.24	-3.75	U,G	56.3

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Niobium-95			Plutonium 238			Plutonium 239/240			Potassium-40			Protactinium-234		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-72-19-SL	-0.0116	U	0.217							8.3		2.13	6.63	U	31.5
NB-72-22-SL	-0.111	U	0.287							3.39		2.46	7.9	U	28.4
NB-73-05-SL	0.0243	U,G	0.295							5.04	G,TI	3.79	6.71	U,G	31.1
NB-73-13-SL	-0.0203	U,G	0.324							3.3	G,TI	2.65	6.22	U,G	28.9
NB-73-23-SL	-0.118	U	0.306							4.9		2.28	2.8	U	30.2
NB-74-05-SL	0.0901	U,G	0.25							17.3	G	3.42	-0.818	U,G	40.4
NB-74-17-SL	-0.183	U,G	0.331							15.4	G	2.78	9.23	U,G	34.6
NB-74-25-SL	-0.0927	U,G	0.315							9.91	G	4.13	10.1	U,G	41.8
NB-74-33-SL	0.0242	U,G	0.182							2.61	G	2.29	-4.57	U,G	32.1
NB-75-08-SL	-0.0225	U,G	0.279							15.9	G	2.53	-2.1	U,G	35
NB-75-15-SL	0.0943	U,G	0.264							10.5	G	3.1	-9.05	U,G	44.8
NB-75-19-SL	0.0725	U	0.145							3.6		2.17	21.3	U	28.6
NB-76-06-SL	0	U,G	0.261							2.84	G	2.66	-5.96	U,G	35.3
NB-76-10-SL	0.0346	U	0.183							2.2	TI	1.62	16	U	17.3
NB-76-24-SL	-0.0244	U	0.315							3.25		2.67	-7.75	U	41
NB-77-05-SL	-0.0135	U,G	0.194							2.13	U,G	2.73	4.13	U,G	33.3
NB-77-13-SL	-0.0626	U	0.226							2.57	TI	2.22	2.52	U	39.6
NB-77-24-SL	0.0107	U	0.194							5.89		2.26	-10.9	U	32.2
NB-78-07-SL	-0.155	U,G	0.441							12.6	G	2.56	-3.4	U,G	53.9
NB-78-11-SL	-0.104	U,G	0.229							8.89	G	2.83	12.4	U,G	30.6
NB-78-18-SL	-0.115	U,G	0.286							12.8	G	2.08	2.19	U,G	32.9
NB-79-05-SL	-0.0943	U,G	0.348							13.3	G	2.75	3.02	U,G	42.6
NB-79-05-SL-FD	-0.0252	U,G	0.216							14.2	G	2.38	4.29	U,G	28.1
NB-79-11-SL	0.0236	U,G	0.242							9.6	G	2.68	15.1	U,G	28
NB-79-24-SL	0.0345	U	0.208							10.4		2.58	3.29	U	29.7
NB-80-05-SL	0.0693	U,G	0.272							12.3	G	2.21	-2.93	U,G	38.4
NB-80-11-SL	0.00757	U,G	0.218							12.1	G	2.7	-3.06	U,G	36.7
NB-80-27-SL	0.128	U,G	0.22							8.24	G	4.36	0.392	U,G	43.2
NB-81-09-SL	0	U,G	0.2							17	G	2.77	8.15	U,G	30.6
NB-81-11-SL	0.0388	U,G	0.225							18.9	G	2.19	10.5	U,G	32.7
NB-81-31-SL	0.0907	U,G	0.173							3.26	G	2.76	2.55	U,G	33.3
NB-82-05-SL	-0.00144	U,G	0.278							13.2	G	3.45	-1.64	U,G	41.1
NB-82-11-SL	0.0704	U	0.178							3.08		2.38	4.69	U	30.8
NB-82-20-SL	0.0117	U	0.212							1.57	U	2.4	-6.66	U	30
NB-83-05-SL	-0.0242	U,G	0.387							13.5	G	3.68	-11.2	U,G	59.5
NB-83-11-SL	-0.00566	U,G	0.204							5.23	G	2.68	-4.51	U,G	35.4
NB-83-23-SL	0.0348	U	0.194							4.01		2.14	2.65	U	22.7
NB-84-05-SL	0.15	U,G	0.315							12.1	G	3.91	11	U,G	51.5
NB-84-15-SL	0.0549	U,G	0.226							11.7	G	2.73	-10.1	U,G	36.5
NB-84-23-SL	-0.0384	U,G	0.221							2.04	U,G	2.25	6.22	U,G	31.1
NB-84-33-SL	-0.00979	U	0.206							2.9		2.66	11.7	U	28.8
NB-85-05-SL	-0.0701	U,G	0.31							18.3	G	3.33	-17.7	U,G	40.1
NB-85-15-SL	-0.135	U,G	0.335							13.6	G	2.31	14.2	U,G	35.5

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Niobium-95			Plutonium 238			Plutonium 239/240			Potassium-40			Protactinium-234		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-85-25-SL	-0.0296	U,G	0.354							17.3	G	3.11	-9.66	U,G	48.6
NB-85-35-SL	-0.0241	U	0.181							1.14	U	2.1	-7.8	U	30.9
NB-86-05-SL	-0.1	U,G	0.436							11.8	G	3.32	-3.84	U,G	54.1
NB-86-15-SL	-0.0638	U,G	0.282							16.6	G	2.97	16.1	U,G	32.4
NB-86-19-SL	-0.0138	U,G	0.268							2.37	U,G	4.05	7.5	U,G	28.7
OA-18-03-SL	0.0492	U	0.248							16.6		3.09	-7.05	U	35.4
OA-18-17-SL	-0.013	U,G	0.244							10.1	G	2.27	8.91	U,G	31.3
OA-18-25-SL	-0.0675	U,G	0.392							16.1	G	3.49	0	U,G	51.1
OA-18-33-SL	-0.0922	U	0.265							14.8		2.34	-8.33	U	34.3
OA-19-05-SL	-0.0106	U	0.359							11.8		2.79	2.84	U	47.4
OA-19-15-SL	0.0126	U,G	0.275							14.4	G	2.69	3.29	U,G	37.4
OA-19-25-SL	-0.0915	U,G	0.423							17.1	G	3.3	8.72	U,G	38.1
OA-19-33-SL	0.11	U	0.204							6.67		2.18	0.53	U	31
PL-04-05-SL	-0.048	U,G	0.3	-0.00104	U	0.0109	-0.00034	U	0.0134	17.2	G	3.78	6.47	U,G	34.4
PL-04-13-SL	0.0658	U,G	0.33							17.1	G	3.43	-8.97	U,G	54.3
PL-04-23-SL	0.0785	U	0.257							15.2		3.34	11.8	U	37.1
PL-04-31-SL	-0.0394	U,G	0.28							14.6	G	3.26	5.88	U,G	33.2
PL-05-05-SL	-0.0174	U,G	0.314							20	G	2.13	4.21	U,G	29.7
PL-05-15-SL	0.0568	U	0.308							16.4		3.18	9.72	U	42.2
PL-05-28-SL	0.14	U,G	0.232							12.4	G	2.27	2.15	U,G	30.4
PL-06-07-SL	-0.0285	U,G	0.357							17.8	G	2.9	10.6	U,G	34.2
PL-06-13-SL	0.0142	U,G	0.295							15.9	G	2.38	-13.6	U,G	40.4
PL-06-17-SL	-0.0869	U,G	0.429							15.9	G	1.87	6.53	U,G	34.5
PL-06-29-SL	0.0855	U	0.214							9.1		2.48	1.11	U	31.7
PL-06-33-SL	-0.0566	U	0.273							0.389	U	2.92	-6.09	U	39.8
RR-04-07-SL	0.0253	U,G	0.306	0.00115	U	0.0182	-0.00208	U	0.02	18.3	G	3.47	10	U,G	50.1
RR-04-15-SL	0.0528	U,G	0.245							17.8	G	3.04	0	U,G	28.6
RR-04-25-SL	-0.00492	U,G	0.37							12.8	G	2.98	6.5	U,G	45.8
RR-05-05-SL	-0.103	U,G	0.359							17.2	G	3.7	-9.38	U,G	50.2
RR-05-05-SL-FD	0.019	U,G	0.391							16.2	G	4.35	21.3	U,G	50.2
RR-05-15-SL	-0.0291	U,G	0.324							16.1	G	2.52	-15.2	U,G	46.2
RR-05-25-SL	-0.0179	U,G	0.314							16.9	G	4.1	-3.84	U,G	45.2
SW-02-01-SL	0.182	U,G	0.254	0.00856	U	0.0137	0.00753	U	0.0166	12.4	G	3.69	25.4	U,G	39.9
SW-02-09-SL	-0.0134	U,G	0.3							12	G	2.82	3.7	U,G	33.4
SW-02-15-SL	0.0448	U,G	0.32							14.3	G	4.04	0	U,G	52.4
SW-02-23-SL	-0.0793	U,G	0.289							15.8	G	2.78	3.29	U,G	29.3
SW-05-08-SL	0.0816	U,G	0.302							16.8	G	3.34	7.9	U,G	45.8
SW-05-12-SL	0.0459	U,G	0.255							14.8	G	2.77	11.1	U,G	36.8
SW-06-05-SL	-0.118	U,G	0.341							15.6	G	2.56	-13.6	U,G	41.1
SW-06-05-SL-FD	-0.0453	U,G	0.304							18.1	G	2.9	-0.391	U,G	38.7
SW-06-13-SL	-0.187	U,G	0.497							12.8	G	3.75	-6.32	U,G	57.3
SW-06-23-SL	-0.0143	U,G	0.299							15	G	3.49	-6.09	U,G	39.2
SW-07-05-SL	-0.0144	U,G	0.315							18.3	G	2.77	14.4	U,G	27.8

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Niobium-95			Plutonium 238			Plutonium 239/240			Potassium-40			Protactinium-234		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-07-15-SL	0.139	U,G	0.434							15.8	G	3.41	16.9	U,G	44.3
SW-07-23-SL	0.239	G,TI	0.231							14.4	G	3.18	10.9	U,G	38.4
SW-08-03-SL	-0.0401	U,G	0.339							15.5	G	3.78	-3.09	U,G	43.6
SW-08-05-SL	-0.122	U,G	0.299							16.1	G	2.96	20.4	U,G	41.5
SW-08-15-SL	0.128	U,G	0.339							17.2	G	3.46	20.6	U,G	48.3
SW-08-25-SL	0.0799	U	0.139							2.84	TI	1.58	7.63	U	22.9

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Ruthenium-106			Scandium 46			Silver-110			Sodium-22			Technetium-99		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-13-09-SL	0.834	U,G	1.84	-0.0236	U,G	0.272	-0.0123	U,G	0.206	-0.121	U,G	0.309	0.68	U	1.48
BD-13-15-SL	-0.888	U,G	1.92	-0.00344	U,G	0.246	0.0176	U,G	0.185	-0.0838	U,G	0.328	0.74	U	1.41
BD-13-23-SL	0.0602	U,G	1.89	-0.0622	U,G	0.292	-0.123	U,G	0.27	0.0991	U,G	0.22	0.809	U	1.47
BD-13-30-SL	0.277	U,G	1.39	-0.0142	U,G	0.2	0.0413	U,G	0.172	-0.016	U,G	0.254	1.01	U	1.48
BD-14-05-SL	-0.12	U,G	2.17	0.168	U,G	0.311	0.0603	U,G	0.173	-0.0456	U,G	0.343	1.39	U	1.52
BD-14-13-SL	0.0553	U,G	1.73	-0.054	U,G	0.25	0.0146	U,G	0.202	0.0578	U,G	0.222	0.619	U	1.45
BD-14-25-SL	-0.791	U	2.2	-0.123	U	0.354	0.134	U	0.146	-0.129	U	0.419	0.197	U	1.47
BD-14-31-SL	1.26	U	1.9	0.0179	U	0.193	-0.0801	U	0.241	-0.0435	U	0.285	-0.0109	U	1.47
BD-15-05-SL	-0.322	U,G	1.87	0.0546	U,G	0.253	-0.0374	U,G	0.217	0.0446	U,G	0.183	0.127	U	1.49
BD-15-17-SL	0.436	U,G	2.53	-0.159	U,G	0.413	-0.0936	U,G	0.354	-0.0829	U,G	0.415	0.214	U	1.62
BD-15-25-SL	0.317	U	1.72	-0.0378	U	0.236	0.0106	U	0.188	0.0327	U	0.234	0.924	U	1.4
BD-15-31-SL	-0.785	U,G	2.63	0	U,G	0.269	0.0587	U,G	0.251	0.0996	U,G	0.351	0.318	U	1.6
BD-16-05-SL	0.506	U,G	2.11	0.0203	U,G	0.322	-0.0622	U,G	0.278	-0.216	U,G	0.451	1.61	LT	1.51
BD-16-15-SL	-0.188	U,G	2.17	0.00445	U,G	0.236	-0.0503	U,G	0.231	-0.0271	U,G	0.27	0.00793	U	1.47
BD-16-19-SL	0.638	U,G	1.77	-0.131	U,G	0.297	0.0238	U,G	0.198	0	U,G	0.242	0.0796	U	1.39
BD-16-25-SL	-0.702	U,G	2.83	0	U,G	0.358	-0.0553	U,G	0.321	0.266	U,G	0.286	0.243	U	1.46
BD-16-34-SL	0.17	U,G	1.82	0.0932	U,G	0.27	0.0773	U,G	0.178	-0.0514	U,G	0.336	0.161	U	1.48
BLD240-01-01	-0.66	U	1.77	-0.024	U	0.204	-0.037	U	0.198	-0.1	U	0.28			
BLD240-01-09	-0.18	U	1.59	0.075	U	0.154	-0.039	U	0.196	0.02	U	0.19			
BLD240-01-09FD	0.39	U	1.53	-0.05	U	0.23	-0.053	U	0.165	0.02	U	0.2			
BLD240-01-31															
BLD240-03-04	-0.6	U	2.1	0.03	U	0.31	-0.11	U	0.28	-0.06	U	0.32			
BLD240-03-04FD	0.27	U	1.57	0.02	U	0.27	0	U	0.183	0.04	U	0.2			
BLD240-03-14															
BLD240-03-19	-0.1	U	2.4	-0.14	U	0.3	-0.09	U	0.29	0.15	U	0.25			
BLD240-04-02	0.7	U	1.8	0.08	U	0.16	-0.03	U	0.179	-0.03	U	0.26			
BLD240-04-04	-0.52	U	1.73	0.007	U	0.175	0.077	U	0.126	-0.06	U	0.26			
BLD240-04-33															
BLD240-05-01	0	U	1.87	-0.05	U	0.29	0.1	U	0.21	0.03	U	0.27			
BLD240-05-02	-0.2	U	2.2	0.05	U	0.27	-0.03	U	0.24	0.03	U	0.25			
BLD253-02-01	0.35	U	0.84	0.035	U	0.179	0.055	U	0.11	0.043	U	0.153			
BLD253-02-04	-0.45	U	1.76	-0.03	U	0.28	0.09	U	0.23	0.04	U	0.2	7.5	=	1.4
BLD253-02-21FD	0	U	1.38	0.08	U	0.2	-0.009	U	0.168	-0.022	U	0.205			
BLD253-02-21															
BLD255-05-01															
BLD255-05-23															
BLD255-07-02	-0.16	U	1.55	-0.06	U	0.23	-0.028	U	0.173	-0.01	U	0.24			
BLD255-07-15	-0.1	U	1.91	0	U	0.24	0.07	U	0.21	0.01	U	0.22			
BLD255-07-33															
BLD255-08-01	-0.42	U	1.89	0.03	U	0.22	0.028	U	0.17	-0.07	U	0.26	30.2	=	1.3
BLD255-08-08	-1.1	U	2.4	-0.16	U	0.33	-0.01	U	0.25	-0.04	U	0.31			
BLD260-06-01	-1	U	2	-0.008	U	0.174	0.046	U	0.131	0.02	U	0.23			
BLD260-06-03	-1	U	2.4	-0.08	U	0.36	-0.05	U	0.29	0.02	U	0.32			

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Ruthenium-106			Scandium 46			Silver-110			Sodium-22			Technetium-99		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BLD260-06-31															
BP-13-05-SL	0.322	U,G	2.01	0.049	U,G	0.258	-0.0282	U,G	0.226	-0.013	U,G	0.303	0.59	U	0.811
BP-13-11-SL	-0.0893	U,G	2.06	-0.0458	U,G	0.287	0.0188	U,G	0.18	-0.0915	U,G	0.269	0.416	U	0.806
BP-13-15-SL	0.587	U,G	1.76	0.0577	U,G	0.252	0.00993	U,G	0.249	-0.155	U,G	0.432	0.323	U	0.82
BP-13-25-SL	0.321	U,G	2.15	0.0684	U,G	0.224	0.0721	U,G	0.242	-0.187	U,G	0.402	0.361	U	0.819
BP-13-35-SL	0.0425	U,G	1.73	0.0109	U,G	0.273	-0.0609	U,G	0.187	-0.073	U,G	0.27	0.587	U	0.824
BP-17-05-SL	0	U,G	2.54	0.0208	U,G	0.33	0	U,G	0.25	-0.173	U,G	0.412	4.26		1.31
BP-17-15-SL	0.199	U	1.18	-0.0839	U	0.271	-0.0379	U	0.163	0.0101	U	0.191	2.46	LT	1.31
BP-17-23-SL	0.652	U,G	1.7	-0.0445	U,G	0.274	-0.0385	U,G	0.223	0.115	U,G	0.217	1.66	LT	1.26
BP-17-31-SL	-0.124	U,G	2.16	0	U,G	0.279	-0.0782	U,G	0.293	0	U,G	0.308	0.311	U	1.29
BP-18-05-SL	-0.316	U,G	2.12	-0.0164	U,G	0.329	-0.0118	U,G	0.214	-0.0473	U,G	0.381	0.0413	U	1.32
BP-18-15-SL	-0.266	U,G	2.5	-0.148	U,G	0.427	0.0186	U,G	0.226	0	U,G	0.378	-0.051	U	1.32
BP-18-25-SL	-0.657	U,G	2.52	0	U,G	0.32	-0.0367	U,G	0.239	0.0197	U,G	0.36	0.34	U	1.32
BP-18-31-SL	0.608	U	1.3	-0.0297	U	0.165	-0.0372	U	0.167	0.0518	U	0.156	0.39	U	1.25
BP-19-05-SL	-0.389	U	1.79	0.114	U	0.182	0.024	U	0.164	-0.0436	U	0.29	-0.232	U	1.3
BP-19-13-SL	-0.518	U	1.99	0	U	0.244	-0.058	U	0.232	-0.12	U	0.374	-0.195	U	1.3
BP-19-25-SL	-0.0324	U,G	2.15	0.0311	U,G	0.215	0.0254	U,G	0.19	0.0419	U,G	0.198	0.217	U	1.34
BP-19-29-SL	0.111	U	1.94	-0.0177	U	0.266	0.0234	U	0.224	0.0211	U	0.335	0.00358	U	1.27
BP-20-03-SL	0	U	1.99	0.0703	U	0.293	0.0278	U	0.187	0.0417	U	0.224	-0.721	U	1.46
BP-20-19-SL	0	U,G	2.22	-0.0462	U,G	0.337	-0.0111	U,G	0.215	-0.0444	U,G	0.358	-0.0758	U	1.47
BP-20-27-SL	0.49	U	1.19	-0.0713	U	0.207	-0.00988	U	0.158	0.00831	U	0.196	-0.425	U	1.52
BP-21-07-SL	-0.121	U,G	2.28	0.078	U,G	0.325	0.0801	U,G	0.245	-0.023	U,G	0.324	-0.286	U	1.47
BP-21-07-SL-FD	-0.185	U	1.97	-0.0725	U	0.3	-0.0518	U	0.227	-0.141	U	0.388	-0.579	U	1.43
BP-21-13-SL	0.475	U	1.55	-0.0286	U	0.261	-0.0197	U	0.219	-0.0363	U	0.206	-0.518	U	1.46
BP-21-24-SL	0.12	U,G	1.91	-0.0968	U,G	0.351	0.0135	U,G	0.231	0.0684	U,G	0.38	-0.828	U	1.49
BP-21-34-SL	-0.0883	U	1.83	-0.0692	U	0.27	0.0792	U	0.13	0.00396	U	0.194	-0.413	U	1.47
BP-22-05-SL	-0.0223	U,G	1.68	0.0907	U,G	0.194	0.102	U,G	0.152	0.251	G,TI	0.24	-0.216	U	1.49
BP-22-13-SL	0.931	U,G	1.81	-0.029	U,G	0.309	0	U,G	0.174	0.0961	U,G	0.252	0.0553	U	1.42
BP-22-23-SL	-0.209	U	1.67	-0.0137	U	0.24	-0.0713	U	0.205	0.0927	U	0.228	-0.158	U	1.36
BP-22-33-SL	0.296	U	1.92	0	U	0.251	0.0347	U	0.18	0.0937	U	0.202	0.374	U	1.45
CB-02-05-SL	-0.771	U,G	2.05	-0.0301	U,G	0.273	-0.0216	U,G	0.188	-0.0167	U,G	0.235	0.785	LT	0.777
CB-02-05-SL-FD	0.216	U,G	1.72	0	U,G	0.345	-0.0729	U,G	0.252	0.0872	U,G	0.314	0.894	LT	0.806
CB-02-15-SL	1.05	U,G	1.66	0	U,G	0.248	-0.032	U,G	0.201	0	U,G	0.275	0.126	U	0.775
CB-02-25-SL	0.204	U,G	2.05	0.0162	U,G	0.243	0.0229	U,G	0.216	-0.178	U,G	0.384	0.0387	U	0.777
DM-02-05-SL	-1.08	U	2.42	0.0698	U	0.246	-0.0864	U	0.287	0	U	0.323	13.9		1.31
DM-02-17-SL	0.259	U,G	1.93	-0.0457	U,G	0.279	0.0164	U,G	0.227	-0.104	U,G	0.328	0.896	U	1.32
DM-02-22-SL	-0.803	U	2.51	0.0561	U	0.281	-0.0339	U	0.272	0.0434	U	0.26	10.9		1.32
DM-02-33-SL	-0.525	U	2.06	0.147	U	0.193	0.0123	U	0.192	-0.0256	U	0.256	-0.155	U	1.25
DM-03-05-SL	0.0228	U,G	1.98	0.0774	U,G	0.233	-0.0743	U,G	0.25	0.108	U,G	0.226	2.54	LT	1.49
DM-03-05-SL-FD	-0.66	U,G	2.66	-0.0649	U,G	0.343	0.00745	U,G	0.303	-0.0499	U,G	0.327	6.22		1.53
DM-03-13-SL	-0.793	U,G	2.44	-0.0419	U,G	0.258	-0.0197	U,G	0.226	-0.0891	U,G	0.262	5.84		1.37
DM-03-25-SL	0.127	U,G	2.11	0.0208	U,G	0.293	-0.109	U,G	0.301	-0.144	U,G	0.417	7.04		1.44
DM-03-34-SL	0.111	U,G	1.92	-0.0626	U,G	0.305	-0.00515	U,G	0.204	-0.00934	U,G	0.253	0.895	U	1.51

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Ruthenium-106			Scandium 46			Silver-110			Sodium-22			Technetium-99		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
EP-13-03-SL	-0.574	UJ	2.25	-0.0448	UJ	0.26	0.0428	UJ	0.17	0	UJ	0.249	13.9	=	1.44
EP-13-13-SL	1.03	UJ	2.58	0.0627	UJ	0.314	-0.0144	UJ	0.247	0.121	UJ	0.261	8.58	=	1.48
EP-13-25-SL	-0.0959	UJ	1.87	-0.0598	UJ	0.271	0.0322	UJ	0.151	0	UJ	0.263	6.39	=	1.42
EP-13-30-SL	0.611	UJ	1.49	-0.0655	UJ	0.222	-0.0245	UJ	0.199	0.025	UJ	0.217	131	=	1.48
EP-14-05-SL	0.141	UJ	2.65	0.115	UJ	0.364	0.0693	UJ	0.223	0.213	UJ	0.319	12.8	=	1.49
EP-14-13-SL	-0.572	UJ	1.92	0	UJ	0.259	0.0213	UJ	0.186	-0.066	UJ	0.287	1.53	J	1.51
EP-14-25-SL	-0.733	UJ	2.17	-0.0654	UJ	0.308	0.082	UJ	0.204	0.0725	UJ	0.256	2.06	J	1.45
EP-14-31-SL	0.618	UJ	1.62	0.0374	UJ	0.183	0.00884	UJ	0.182	0.0624	UJ	0.158	0.538	UJ	1.49
EP-15-05-SL	0.525	U,G	2.36	0.0843	U,G	0.281	0.0826	U,G	0.222	-0.0328	U,G	0.325	3.42		0.838
EP-15-13-SL	-0.512	U,G	2.24	0.0822	U,G	0.216	0.0461	U,G	0.224	0.165	U,G	0.335	4.31		0.784
EP-15-25-SL	0.517	U	1.64	0.0511	U	0.204	-0.00146	U	0.21	0	U	0.256	11		0.805
EP-15-29-SL	-0.281	U	2	-0.03	U	0.25	0.021	U	0.205	0.0543	U	0.289	0.62	U	0.801
EP-16-05-SL	0.502	U,G	2.08	-0.0967	U,G	0.318	-0.0605	U,G	0.226	-0.0649	U,G	0.303	2.62	LT	0.81
EP-16-15-SL	-0.535	U,G	2.05	0.056	U,G	0.198	0	U,G	0.167	-0.0154	U,G	0.245	17.1		0.824
EP-16-27-SL	0.303	U	0.994	-0.0596	U	0.198	0.0255	U	0.111	-0.0131	U	0.158	5.24		0.802
EP-17-05-SL	-0.78	U,G	2.53	-0.0857	U,G	0.417	-0.152	U,G	0.365	-0.0245	U,G	0.389	1.17	LT	0.81
EP-17-15-SL	0	U,G	2.14	-0.0322	U,G	0.334	-0.0338	U,G	0.227	-0.0717	U,G	0.391	3.74		0.87
EP-17-25-SL	-0.277	U,G	2.51	-0.0684	U,G	0.414	0.197	G,TI	0.18	-0.104	U,G	0.455	5.21		0.812
EP-17-30-SL	0.267	U	1.68	0.0429	U	0.202	0.02	U	0.167	0.0119	U	0.239	0.0559	U	0.794
EP-18-09-SL	-0.274	UJ	2.38	0.0669	UJ	0.335	0.0309	UJ	0.264	-0.0518	UJ	0.279	11.7	=	1.46
EP-18-09-SL-FD	0.357	UJ	1.68	-0.114	UJ	0.27	-0.0469	UJ	0.199	-0.0143	UJ	0.292	6.68	=	1.5
EP-18-15-SL	-0.572	UJ	2.21	-0.0626	UJ	0.299	-0.00262	UJ	0.197	-0.101	UJ	0.335	1.45	U	1.46
EP-18-29-SL	-0.385	UJ	2.23	0.125	UJ	0.314	-0.126	UJ	0.314	-0.097	UJ	0.44	0.952	UJ	1.54
EP-19-05-SL	0.106	UJ	1.93	0.0527	UJ	0.268	0.0038	UJ	0.217	-0.0135	UJ	0.333	11.4	=	1.45
EP-19-13-SL	0.979	U	1.45	-0.165	UJ	0.365	0.00402	UJ	0.226	-0.0634	UJ	0.288	10.4	=	1.51
EP-19-25-SL	0.21	UJ	1.42	0.0329	UJ	0.252	-0.00131	UJ	0.189	-0.0268	UJ	0.267	4.77	=	1.48
EP-19-31-SL	-0.0148	UJ	1.76	-0.0482	UJ	0.251	-0.031	UJ	0.189	-0.18	UJ	0.327	0.708	UJ	1.56
EP-20-05-SL	-0.125	U,G	1.98	-0.0876	U,G	0.269	0.0148	U,G	0.209	-0.12	U,G	0.308	3.04		0.821
EP-20-15-SL	0.495	U,G	1.96	-0.0598	U,G	0.375	0.0365	U,G	0.16	-0.141	U,G	0.408	2.74	LT	0.821
EP-20-25-SL	-0.164	U,G	1.84	-0.0984	U,G	0.276	0.0478	U,G	0.162	0.0214	U,G	0.293	3.93		0.796
LF-06-05-SL	0.376	U,G	1.88	-0.102	U,G	0.346	-0.0126	U,G	0.202	-0.0106	U,G	0.287	4.26		1.5
LF-06-13-SL	-0.664	U,G	2.02	0.0417	U,G	0.253	-0.00444	U,G	0.214	-0.0862	U,G	0.32	0.913	U	1.4
LF-06-27-SL	-0.5	U,G	2	-0.0198	U,G	0.256	-0.0357	U,G	0.207	0.0415	U,G	0.272	0.328	U	1.41
LF-06-32-SL	0.0618	U,G	1.65	0.0157	U,G	0.217	0.0557	U,G	0.17	-0.0047	U,G	0.239	0.513	U	1.43
LF--07-09-SL	-0.248	U,G	2.01	-0.05	U,G	0.313	-0.0708	U,G	0.218	-0.033	U,G	0.33	0.157	U	1.41
LF-07-15-SL	0.429	U,G	1.82	-0.0497	U,G	0.313	0.0039	U,G	0.219	-0.0463	U,G	0.295	0.173	U	1.48
LF-07-25-SL	0.425	U,G	2.14	-0.0335	U,G	0.315	-0.0834	U,G	0.254	0.114	U,G	0.262	0.944	U	1.39
LF-07-34-SL	-0.374	U,G	2.34	0.121	U,G	0.242	0.0753	U,G	0.197	-0.165	U,G	0.393	1.09	U	1.35
LF-08-05-SL	0.515	U,G	2.24	0.0417	U,G	0.313	-0.0725	U,G	0.334	-0.171	U,G	0.425	4.37		1.48
LF-08-05-SL-FD	-0.357	U,G	2.06	0.165	G,TI	0.161	-0.111	U,G	0.237	0.07	U,G	0.27	4.36		1.48
LF-08-15-SL	-0.471	U,G	1.84	-0.0438	U,G	0.219	0.0211	U,G	0.183	0.0163	U,G	0.272	0.232	U	1.42
LF-08-21-SL	0.111	U,G	2.29	-0.0872	U,G	0.34	0.0248	U,G	0.186	0.0793	U,G	0.363	0.198	U	1.47
LF-08-37-SL	-0.479	U,G	2.09	-0.0194	U,G	0.323	-0.103	U,G	0.284	-0.0227	U,G	0.272	4.21		1.37

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Ruthenium-106			Scandium 46			Silver-110			Sodium-22			Technetium-99		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
LF-09-03-SL	-0.527	U,G	2.31	-0.049	U,G	0.259	0.0118	U,G	0.187	0.0549	U,G	0.274	1.6	LT	1.41
LF-09-17-SL	-1.48	U,G	2.74	0.133	U,G	0.29	-0.0355	U,G	0.238	-0.118	U,G	0.364	0.52	U	1.39
LF-09-25-SL	-0.712	U,G	2.28	-0.0315	U,G	0.222	-0.102	U,G	0.267	0.0352	U,G	0.248	0.686	U	1.39
LF-09-31-SL	-0.0946	U,G	1.9	0.0149	U,G	0.196	-0.0318	U,G	0.185	-0.0466	U,G	0.294	0.136	U	1.35
NB-28-04-SL	-0.13	U,G	2.54	-0.0658	U,G	0.292	-0.056	U,G	0.256	0.011	U,G	0.258	0.438	U	0.838
NB-28-14-SL	0.126	U,G	2.37	0.0213	U,G	0.32	-0.00357	U,G	0.268	0	U,G	0.254	0.36	U	0.8
NB-28-24-SL	0.00699	U,G	1.8	0.101	U,G	0.19	-0.0554	U,G	0.183	-0.0515	U,G	0.273	0.0554	U	0.821
NB-28-35-SL	-0.342	U,G	1.74	-0.0533	U,G	0.25	0.0494	U,G	0.155	-0.0741	U,G	0.26	0.244	U	0.785
NB-29-05-SL	0.656	U,G	2.56	-0.0888	U,G	0.387	0.113	U,G	0.291	0.0985	U,G	0.296	0.25	U	0.819
NB-29-14-SL	-0.283	U,G	1.75	0.00977	U,G	0.241	-0.0489	U,G	0.184	0.0286	U,G	0.218	0.111	U	0.804
NB-29-22-SL	-0.488	U	1.47	0.0268	U	0.226	-0.0286	U	0.165	-0.034	U	0.194	0.321	U	0.813
NB-30-05-SL	-0.221	U,G	2.42	-0.0174	U,G	0.328	-0.124	U,G	0.303	-0.331	U,G	0.476	0.0796	U	0.801
NB-30-15-SL	-0.106	U,G	2.38	-0.15	U,G	0.402	-0.0119	U,G	0.239	-0.162	U,G	0.444	0.14	U	0.817
NB-30-25-SL	0.26	U,G	1.83	-0.105	U,G	0.334	-0.0183	U,G	0.275	0.0738	U,G	0.296	0.141	U	0.81
NB-30-33-SL	0.19	U,G	1.86	-0.03	U,G	0.25	-0.0214	U,G	0.221	0.0597	U,G	0.179	0.0275	U	0.792
NB-31-05-SL	0	U,G	2.59	0	U,G	0.315	0.107	U,G	0.279	-0.13	U,G	0.414	-0.0307	U	0.826
NB-31-15-SL	0	U,G	2	0.0424	U,G	0.246	0.0612	U,G	0.122	0.0158	U,G	0.237	0.726	U	0.778
NB-31-27-SL	-0.705	U,G	2.47	-0.0794	U,G	0.338	0.0113	U,G	0.234	0.0631	U,G	0.293	-0.134	U	0.81
NB-31-32-SL	0.121	U,G	2.58	-0.0393	U,G	0.312	0.0136	U,G	0.233	-0.0688	U,G	0.345	-0.139	U	0.799
NB-32-05-SL	0.514	U,G	2.04	0.0416	U,G	0.33	0.0127	U,G	0.26	0	U,G	0.366	0.402	U	0.834
NB-32-15-SL	0.748	U,G	1.98	0.0605	U,G	0.284	-0.0509	U,G	0.295	-0.142	U,G	0.428	0.789	U	0.833
NB-32-27-SL	0.969	U,G	1.88	-0.0453	U,G	0.282	0.0764	U,G	0.146	-0.0265	U,G	0.264	1.68	LT	0.872
NB-32-33-SL	-0.356	U,G	2.46	0.0576	U,G	0.207	-0.0301	U,G	0.251	0.0225	U,G	0.27	0.32	U	0.824
NB-33-05-SL	-0.202	U,G	1.71	0.113	U,G	0.209	-0.0173	U,G	0.224	-0.155	U,G	0.342	0.545	U	0.831
NB-33-15-SL	-0.378	U,G	2.19	0.0814	U,G	0.306	0.0655	U,G	0.277	0.0238	U,G	0.286	0.102	U	0.867
NB-33-27-SL	0.395	U	1.46	-0.0667	U	0.257	-0.0284	U	0.163	-0.0232	U	0.232	0.586	U	0.805
NB-34-05-SL	0	U,G	2.21	0	U,G	0.358	-0.0483	U,G	0.28	-0.0241	U,G	0.339	-0.00039	U	0.863
NB-34-15-SL	-0.682	U,G	2.29	0.094	U,G	0.238	0.0185	U,G	0.198	-0.0128	U,G	0.299	0.26	U	0.881
NB-34-25-SL	-0.103	U	1.72	-0.0167	U	0.25	-0.109	U	0.227	-0.0195	U	0.255	0.329	U	0.843
NB-35-01-SL	0.376	U,G	2.28	-0.0199	U,G	0.347	0.162	U,G	0.181	-0.0477	U,G	0.432	0.327	U	0.851
NB-35-15-SL	0.359	U,G	1.9	-0.038	U,G	0.345	-0.0269	U,G	0.23	0.0455	U,G	0.245	0.0952	U	0.806
NB-35-25-SL	-0.183	U,G	2	-0.0975	U,G	0.271	-0.0306	U,G	0.199	0.111	U,G	0.117	0.194	U	0.839
NB-36-05-SL	0.089	U,G	1.84	-0.0271	U,G	0.255	-0.0298	U,G	0.212	0.0309	U,G	0.218	0.148	U	0.829
NB-36-15-SL	0.472	U,G	1.87	-0.169	U,G	0.388	0.0596	U,G	0.17	0.0448	U,G	0.208	0.239	U	0.819
NB-36-27-SL	-0.689	U	2.51	0	U	0.257	0.0209	U	0.252	-0.131	U	0.327	-0.00447	U	0.891
NB-37-05-SL	-0.604	U,G	2.37	0	U,G	0.317	0.0113	U,G	0.259	-0.0858	U,G	0.38	0.282	U	0.846
NB-37-15-SL	0.475	U,G	2.07	0.115	U,G	0.287	-0.0301	U,G	0.251	-0.0901	U,G	0.357	0.526	U	0.815
NB-37-25-SL	0.56	U,G	1.76	0.0585	U,G	0.232	0.0104	U,G	0.21	-0.1	U,G	0.307	0.0513	U	0.822
NB-38-09-SL	-0.525	U,G	1.8	0.0933	U,G	0.223	0.0527	U,G	0.157	0.0539	U,G	0.275	0.46	U	0.832
NB-38-15-SL	-0.395	U	1.75	-0.038	U	0.248	-0.0341	U	0.175	-0.136	U	0.282	0.149	U	0.808
NB-38-25-SL	0.373	U	1.57	-0.0991	U	0.255	0.0493	U	0.163	-0.0314	U	0.295	0.268	U	0.819
NB-39-05-SL	-1.05	U,G	2.57	0.0836	U,G	0.303	0.0235	U,G	0.244	0.0437	U,G	0.247	2.11	LT	0.858
NB-39-15-SL	0.054	U,G	1.69	0.0596	U,G	0.221	0.0133	U,G	0.204	0.0377	U,G	0.246	2.43	LT	0.842

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Sample ID	Ruthenium-106			Scandium 46			Silver-110			Sodium-22			Technetium-99		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-39-25-SL	0.118	U,G	2.14	0.0194	U,G	0.323	-0.0216	U,G	0.28	0.0446	U,G	0.315	0.424	U	0.836
NB-39-30-SL	-0.0995	U,G	2.12	-0.0159	U,G	0.309	0.0894	U,G	0.225	-0.0119	U,G	0.342	0.481	U	0.83
NB-40-05-SL	0.358	U,G	2.25	0.118	U,G	0.296	-0.114	U,G	0.274	0.203	G,TI	0.166	0.0852	U	0.844
NB-40-05-SL-FD	0.836	U	1.69	-0.0991	U	0.26	-0.0276	U	0.183	-0.0819	U	0.264	0.23	U	0.862
NB-40-17-SL	-0.1	U,G	2.41	0	U,G	0.324	-0.0226	U,G	0.253	-0.0404	U,G	0.346	0.491	U	0.798
NB-40-25-SL	-0.635	U	2.54	-0.0174	U	0.277	0.0328	U	0.224	0.02	U	0.215	0.83	LT	0.779
NB-40-31-SL	-0.219	U	1.48	-0.0502	U	0.203	-0.0677	U	0.163	-0.0747	U	0.227	0.224	U	0.825
NB-41-05-SL	0.0906	U	2.08	-0.0868	U	0.317	-0.0204	U	0.228	-0.0608	U	0.28	0.17	U	0.839
NB-41-13-SL	-0.561	U	1.82	0.046	U	0.184	0.00922	U	0.189	-0.0176	U	0.231	0.254	U	0.812
NB-41-19-SL	0.108	U,G	1.74	0.0405	U,G	0.238	0.00485	U,G	0.174	-0.0634	U,G	0.257	0.273	U	0.784
NB-42-05-SL	0.273	U,G	1.58	-0.0572	U,G	0.227	-0.0612	U,G	0.211	-0.0472	U,G	0.262	0.536	U	0.85
NB-42-13-SL	-0.409	U	1.99	-0.0168	U	0.237	-0.0144	U	0.217	-0.058	U	0.307	0.401	U	0.766
NB-42-23-SL	-1.02	U	1.72	-0.042	U	0.214	0.0372	U	0.142	-0.0235	U	0.195	0.19	U	0.823
NB-43-05-SL	-0.525	U,G	1.87	0	U,G	0.24	-0.0294	U,G	0.191	-0	U,G	0.227	0.391	U	0.779
NB-43-13-SL	-0.324	U	1.58	0.0258	U	0.194	0.0364	U	0.183	0.0145	U	0.199	0.341	U	0.809
NB-44-05-SL	0.403	U	1.32	0	U	0.248	0.0241	U	0.184	0.133	U	0.177	0.355	U	0.787
NB-44-05-SL-FD	0.336	U,G	1.58	-0.0586	U,G	0.221	0.021	U,G	0.168	0.0101	U,G	0.241	-0.163	U	0.829
NB-44-11-SL	0.216	U	1.01	-0.0677	U	0.159	-0.0563	U	0.146	0.0124	U	0.149	0.499	U	0.805
NB-44-18-SL	-0.0821	U	1.55	-0.0787	U	0.238	-0.0369	U	0.197	-0.121	U	0.283	0.514	U	0.778
NB-45-05-SL	1.21	U,G	1.9	0.11	U,G	0.238	-0.0683	U,G	0.309	0.0763	U,G	0.382	0.129	U	0.812
NB-45-05-SL-FD	0.68	U,G	2.56	0.111	U,G	0.314	-0.0115	U,G	0.333	0.154	U,G	0.238	0.451	U	0.766
NB-45-13-SL	0.383	U,G	2.49	-0.146	U,G	0.394	0.0234	U,G	0.282	-0.0241	U,G	0.382	0.288	U	0.793
NB-45-25-SL	0.135	U,G	2.54	0.0442	U,G	0.368	0.0627	U,G	0.246	0.153	U,G	0.274	0.51	U	0.823
NB-45-33-SL	-0.595	U	1.62	0.0719	U	0.225	-0.00752	U	0.152	0.00982	U	0.234	0.727	U	0.774
NB-46-09-SL	-0.562	U	2.26	0.0368	U	0.292	0.038	U	0.216	-0.254	U	0.413	0.716	U	0.831
NB-46-17-SL	0.703	U,G	1.55	0.126	U,G	0.206	-0.0261	U,G	0.184	-0.0962	U,G	0.288	0.619	U	0.811
NB-46-25-SL	-0.777	U,G	2.33	-0.0155	U,G	0.292	-0.12	U,G	0.256	-0.026	U,G	0.35	0.676	U	0.836
NB-46-29-SL	-0.392	U,G	1.78	0.113	U,G	0.217	0.0191	U,G	0.163	-0.0601	U,G	0.293	0.458	U	0.827
NB-47-05-SL	-0.0838	U	1.83	0	U	0.159	-0.0188	U	0.132	-0.116	U	0.291	0.25	U	0.986
NB-47-15-SL	-0.0475	U,G	1.93	-0.0583	U,G	0.258	-0.0534	U,G	0.246	0.0801	U,G	0.216	0.0418	U	1.03
NB-47-25-SL	1.22	U,G	1.78	0.224	U,G	0.294	0.0115	U,G	0.288	0	U,G	0.336	0.334	U	1.05
NB-47-31-SL	-0.672	U,G	2.05	-0.0758	U,G	0.285	0.0861	U,G	0.141	0.0664	U,G	0.218	0.24	U	1.02
NB-48-05-SL	0.946	U,G	1.84	0.0455	U,G	0.286	-0.0425	U,G	0.239	0.156	U,G	0.207	0.304	U	1.01
NB-48-11-SL	0.314	U,G	1.82	0.042	U,G	0.28	0.0543	U,G	0.212	-0.145	U,G	0.31	0.541	U	1.01
NB-48-15-SL	-0.125	U,G	2.52	0.0206	U,G	0.27	0.0406	U,G	0.254	0.0708	U,G	0.354	0.37	U	1
NB-48-25-SL	0.27	U,G	1.75	0.0142	U,G	0.213	-0.0504	U,G	0.215	-0.0311	U,G	0.219	0.459	U	1.03
NB-48-35-SL	0.572	U,G	1.92	0.0153	U,G	0.266	0.0321	U,G	0.234	0.115	U,G	0.256	0.754	U	1.06
NB-49-05-SL	-0.964	U,G	2.46	0.0513	U,G	0.298	0.012	U,G	0.277	-0.0335	U,G	0.402	0.346	U	1.05
NB-49-05-SL-FD	0.248	U,G	2.06	0.0608	U,G	0.322	0.0105	U,G	0.262	0	U,G	0.33	0.429	U	1.06
NB-49-15-SL	-0.315	U,G	2.3	-0.235	U,G	0.394	0	U,G	0.265	-0.103	U,G	0.379	-0.00802	U	1.03
NB-49-25-SL	1.07	U,G	1.76	-0.0472	U,G	0.291	0.00826	U,G	0.207	-0.0414	U,G	0.223	0.163	U	1.07
NB-49-37-SL	1.07	U,G	1.99	-0.0196	U,G	0.341	-0.0404	U,G	0.23	-0.0676	U,G	0.338	0.596	U	1.05
NB-50-05-SL	-0.8	U,G	2.35	0.16	U,G	0.24	0.0112	U,G	0.226	0.0179	U,G	0.328	0.162	U	1.03

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Ruthenium-106			Scandium 46			Silver-110			Sodium-22			Technetium-99		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-50-15-SL	1.12	U,G	1.79	0.0168	U,G	0.27	-0.0962	U,G	0.246	-0.01	U,G	0.272	0.328	U	1.06
NB-50-25-SL	0.998	U,G	1.87	-0.123	U,G	0.436	-0.0809	U,G	0.306	0.0236	U,G	0.309	0.218	U	1.04
NB-50-37-SL	0.256	U	1.77	0.0134	U	0.175	-0.0286	U	0.166	0.0295	U	0.177	0.134	U	1.05
NB-51-05-SL	0.0901	U,G	1.5	0.0566	U,G	0.186	0	U,G	0.203	0.0779	U,G	0.187	0.0235	U	1.06
NB-51-13-SL	0.103	U,G	2.2	0.0165	U,G	0.261	-0.0463	U,G	0.266	-0.212	U,G	0.431	0.327	U	1.03
NB-51-25-SL	-0.887	U,G	2.24	0.0144	U,G	0.31	0.0548	U,G	0.202	0.0452	U,G	0.268	0.369	U	1.01
NB-51-37-SL	0.0927	U,G	1.68	-0.0583	U,G	0.254	-0.0416	U,G	0.209	0	U,G	0.291	0.214	U	1.04
NB-52-05-SL	0	U,G	2.26	0.0211	U,G	0.368	-0.141	U,G	0.308	-0.123	U,G	0.389	0.242	U	1.01
NB-52-13-SL	-1.44	U,G	2.76	0.0979	U,G	0.23	0.0115	U,G	0.232	-0.115	U,G	0.354	0.0953	U	1.04
NB-52-25-SL	-0.126	U,G	1.89	-0.0917	U,G	0.375	-0.0354	U,G	0.203	0.0122	U,G	0.23	0.298	U	0.997
NB-52-35-SL	-0.125	U,G	2.51	0.0407	U,G	0.306	0.00352	U,G	0.213	0.0472	U,G	0.174	-0.184	U	1.04
NB-53-05-SL	-0.358	U,G	1.8	-0.0699	U,G	0.254	-0.02	U,G	0.174	-0.155	U,G	0.302	0.0829	U	1.01
NB-53-13-SL	0.586	U,G	1.73	-0.0395	U,G	0.238	-0.0273	U,G	0.216	0.00667	U,G	0.253	0.49	U	1.02
NB-53-23-SL	0.131	U,G	1.96	0.0426	U,G	0.256	0	U,G	0.252	0.0988	U,G	0.392	0.0977	U	1.05
NB-53-33-SL	-0.403	U,G	1.84	-0.0294	U,G	0.27	0.0882	U,G	0.168	0.0408	U,G	0.217	0.297	U	0.993
NB-54-05-SL	0.883	U,G	1.71	-0.0467	U,G	0.283	0.011	U,G	0.235	0.123	U,G	0.241	0.292	U	1.03
NB-54-13-SL	-0.643	U,G	2.46	0	U,G	0.309	0.0963	U,G	0.226	0.0144	U,G	0.288	0.122	U	0.941
NB-54-25-SL	-0.751	U,G	2.6	0.0409	U,G	0.307	0.0371	U,G	0.276	0.0947	U,G	0.255	0.376	U	0.98
NB-54-31-SL	0.668	U	1.18	0.0591	U	0.167	-0.0333	U	0.157	0.11	U	0.163	0.129	U	0.957
NB-55-05-SL	0.735	U,G	2.04	-0.02	U,G	0.318	-0.0759	U,G	0.281	0.116	U,G	0.17	0.213	U	0.999
NB-55-13-SL	-0.494	U,G	2.32	0.0472	U,G	0.25	-0.0555	U,G	0.243	0.0884	U,G	0.324	0.514	U	0.929
NB-55-25-SL	-0.119	U,G	2.24	-0.0388	U,G	0.274	-0.0335	U,G	0.272	0	U,G	0.356	0.309	U	0.952
NB-55-33-SL	0.23	U	1.59	-0.0612	U	0.213	-0.00862	U	0.162	-0.151	U	0.3	0.373	U	1.02
NB-56-05-SL	-0.287	U	2.09	-0.0461	U	0.29	-0.0899	U	0.2	-0.0111	U	0.26	0.55	U	0.995
NB-56-13-SL	-0.5	U,G	2.3	0.0478	U,G	0.289	0.0224	U,G	0.233	0.0581	U,G	0.309	0.197	U	0.977
NB-56-25-SL	-0.728	U,G	2.48	0.0444	U,G	0.295	0.0228	U,G	0.174	0.0806	U,G	0.218	0.499	U	0.997
NB-56-33-SL	-0.17	U	1.81	-0.0135	U	0.245	0.0476	U	0.186	0	U	0.208	0.106	U	1.05
NB-57-05-SL	0.506	U,G	1.9	-0.0482	U,G	0.36	0.0909	U,G	0.198	0.0861	U,G	0.273	0.113	U	1.01
NB-57-05-SL-FD	0.39	U,G	2.24	0.124	U,G	0.269	0	U,G	0.233	-0.126	U,G	0.336	-0.0275	U	1.03
NB-57-15-SL	-0.195	U,G	2.34	-0.0618	U,G	0.291	0.0109	U,G	0.226	0.113	U,G	0.183	0.43	U	1.01
NB-57-29-SL	0.197	U,G	1.9	0.0334	U,G	0.208	0.038	U,G	0.176	0.0765	U,G	0.153	-0.0114	U	0.994
NB-57-34-SL	0.287	U,G	2.15	-0.0607	U,G	0.286	-0.0429	U,G	0.216	-0.0899	U,G	0.33	-0.0545	U	0.998
NB-58-05-SL	-0.374	U,G	2.14	0	U,G	0.268	0.0623	U,G	0.164	-0.0752	U,G	0.259	0.213	U	1
NB-58-15-SL	0.211	U,G	2.12	-0.117	U,G	0.357	0.0237	U,G	0.206	-0.0236	U,G	0.284	0.43	U	0.984
NB-58-29-SL	0.155	U,G	1.87	-0.061	U,G	0.283	-0.0134	U,G	0.202	0.0563	U,G	0.304	0.341	U	1.04
NB-58-36-SL	-0.187	U,G	1.82	0.0891	U,G	0.289	0.042	U,G	0.183	-0.0753	U,G	0.337	0.165	U	0.984
NB-59-05-SL	-0.281	U,G	2.13	0.178	U,G	0.214	-0.0857	U,G	0.205	-0.042	U,G	0.257	0.12	U	1.05
NB-59-13-SL	0.198	U,G	2	0.0949	U,G	0.264	-0.0223	U,G	0.238	-0.0311	U,G	0.307	0.108	U	1.04
NB-59-25-SL	-0.51	U,G	2.35	-0.0724	U,G	0.279	0.0268	U,G	0.183	0.0223	U,G	0.248	0.567	U	0.995
NB-59-31-SL	0.237	U,G	2.15	0.0583	U,G	0.308	-0.0117	U,G	0.216	-0.0448	U,G	0.269	0.142	U	0.979
NB-60-05-SL	-0.528	U,G	1.95	0.0492	U,G	0.238	-0.00268	U,G	0.202	-0.0974	U,G	0.275	-0.0253	U	1.41
NB-60-13-SL	-0.135	U,G	2.45	0	U,G	0.322	0.0606	U,G	0.259	0.102	U,G	0.336	1.12	U	1.52
NB-60-23-SL	-0.5	U,G	1.82	0.039	U,G	0.237	-0.00296	U,G	0.183	0.0733	U,G	0.218	0.628	U	1.5

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Ruthenium-106			Scandium 46			Silver-110			Sodium-22			Technetium-99		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-60-31-SL	-0.772	U,G	2.59	0.0411	U,G	0.342	0.0199	U,G	0.204	-0.0244	U,G	0.407	0.253	U	1.44
NB-61-05-SL	-0.78	U,G	2.48	-0.107	U,G	0.287	0.142	U,G	0.198	-0.07	U,G	0.382	0.0574	U	1.47
NB-61-13-SL	-0.637	U,G	2.72	-0.123	U,G	0.325	0.0251	U,G	0.269	-0.29	U,G	0.515	-0.0946	U	1.46
NB-61-23-SL	-0.188	U,G	1.94	-0.0734	U,G	0.321	-0.084	U,G	0.258	-0.101	U,G	0.367	0.307	U	1.49
NB-61-28-SL	-0.552	U	1.8	-0.067	U	0.262	0.009	U	0.154	-0.0875	U	0.289	0.299	U	1.46
NB-62-05-SL	-0.25	U,G	2.51	-0.0614	U,G	0.356	0.135	U,G	0.162	0	U,G	0.309	0.537	U	1.5
NB-62-12-SL	-0.417	U,G	1.92	0.00412	U,G	0.219	0.0611	U,G	0.138	0.0258	U,G	0.195	-0.0515	U	1.44
NB-62-22-SL	0	U,G	1.96	0.0385	U,G	0.252	0.00331	U,G	0.201	0.0887	U,G	0.291	0.269	U	1.38
NB-63-05-SL	0	U,G	2.39	0.0208	U,G	0.33	0.0739	U,G	0.253	-0.125	U,G	0.353	0.22	U	1.45
NB-63-13-SL	-0.293	U,G	2.13	0	U,G	0.211	0.0654	U,G	0.173	0.105	U,G	0.241	-0.0429	U	1.4
NB-63-19-SL	-0.556	U	1.81	0.0125	U	0.232	0.0452	U	0.155	-0.0872	U	0.281	0.151	U	1.49
NB-64-05-SL	0.578	U,G	2.14	-0.00981	U,G	0.244	0.0765	U,G	0.152	-0.0462	U,G	0.263	-0.082	U	1.39
NB-64-13-SL	-1.34	U,G	2.74	0.0968	U,G	0.233	-0.0548	U,G	0.234	-0.0232	U,G	0.25	0.127	U	1.53
NB-64-17-SL	0.391	U,G	1.66	0.0487	U,G	0.15	-0.0379	U,G	0.162	-0.0231	U,G	0.228	-0.173	U	1.4
NB-65-05-SL	-0.323	U,G	1.87	-0.058	U,G	0.263	-0.0723	U,G	0.233	0.0218	U,G	0.305	0.116	U	1.49
NB-65-13-SL	-0.932	U,G	2.18	0.0729	U,G	0.253	-0.00257	U,G	0.193	0.046	U,G	0.189	-0.0976	U	1.53
NB-65-17-SL	-0.369	U,G	2.14	-0.039	U,G	0.275	0.031	U,G	0.209	-0.0934	U,G	0.351	-0.0345	U	1.5
NB-66-05-SL	0	U,G	2.64	0.023	U,G	0.383	0.118	U,G	0.248	0	U,G	0.298	0.845	U	1.4
NB-66-05-SL-FD	-1.1	U,G	3.08	0.224	U,G	0.232	0.0177	U,G	0.303	0.0601	U,G	0.323	0.0504	U	1.49
NB-66-15-SL	0.101	U,G	2.16	-0.0779	U,G	0.293	-0.0113	U,G	0.213	0.0502	U,G	0.274	0.531	U	1.42
NB-66-19-SL	-0.427	U	1.53	0.0792	U	0.2	-0.00909	U	0.155	-0.00987	U	0.247	-0.129	U	1.39
NB-67-05-SL	-0.398	U,G	2.59	0	U,G	0.315	-0.0149	U,G	0.254	0.101	U,G	0.303	-0.0473	U	1.43
NB-67-11-SL	0.554	U,G	1.7	0.0852	U,G	0.206	-0.0169	U,G	0.168	-0.126	U,G	0.278	0.339	U	1.42
NB-67-21-SL	-0.559	U	1.79	-0.0123	U	0.206	0.0536	U	0.142	0.0754	U	0.176	0.188	U	1.39
NB-68-05-SL	0.665	U,G	1.82	0.0498	U,G	0.246	-0.0814	U,G	0.213	0.182	U,G	0.217	0.189	U	1.44
NB-68-13-SL	-0.24	U,G	2.49	0.0379	U,G	0.228	0.0286	U,G	0.218	0.114	U,G	0.246	0.646	U	1.46
NB-68-17-SL	-0.596	U,G	2.38	-0.0152	U,G	0.287	0.0111	U,G	0.193	-0.0447	U,G	0.36	0.274	U	1.47
NB-68-25-SL	-1.29	U,G	2.59	0.0515	U,G	0.271	0.032	U,G	0.219	-0.03	U,G	0.299	0.501	U	1.48
NB-68-33-SL	-0.232	U,G	1.64	0.0549	U,G	0.305	-0.0114	U,G	0.21	0.132	U,G	0.205	0.354	U	1.49
NB-69-05-SL	0.677	U,G	1.49	0.0966	U,G	0.188	-0.0493	U,G	0.183	0.0311	U,G	0.247	0.0394	U	1.38
NB-69-15-SL	-0.608	U,G	1.65	-0.0147	U,G	0.225	-0.0458	U,G	0.175	-0.0835	U,G	0.246	0.121	U	1.46
NB-69-22-SL	-0.28	U,G	1.96	0.018	U,G	0.275	-0.0374	U,G	0.21	0.1	U,G	0.262	0.27	U	1.47
NB-69-34-SL	-0.266	U	1.74	0.0847	U	0.178	-0.0844	U	0.174	-0.0495	U	0.244	-0.319	U	1.4
NB-70-05-SL	-0.0634	U,G	1.78	0.0191	U,G	0.253	-0.0188	U,G	0.177	-0.0605	U,G	0.272	0.43	U	1.37
NB-70-15-SL	-0.199	U,G	2.15	0.0342	U,G	0.19	0.0148	U,G	0.201	0.0551	U,G	0.254	0.0398	U	1.53
NB-70-23-SL	-0.286	U,G	2.19	-0.0804	U,G	0.311	-0.0142	U,G	0.217	-0.11	U,G	0.336	0.112	U	1.45
NB-70-33-SL	0.556	U,G	1.72	0.0223	U,G	0.236	0.0118	U,G	0.181	-0.067	U,G	0.278	0.37	U	1.55
NB-71-01-SL	0	U,G	1.86	0.0291	U,G	0.283	-0.0426	U,G	0.239	0	U,G	0.264	0.674	U	1.52
NB-71-01-SL-FD	-0.318	U,G	2.44	-0.0656	U,G	0.32	0.0119	U,G	0.231	-0.00955	U,G	0.31	0.241	U	1.5
NB-71-11-SL	-0.117	U,G	1.95	-0.0557	U,G	0.294	0.0541	U,G	0.212	0.133	U,G	0.267	-0.0269	U	1.5
NB-71-27-SL	0.0884	U,G	1.78	-0.108	U,G	0.253	-0.0197	U,G	0.164	-0.0461	U,G	0.244	-0.104	U	1.44
NB-72-05-SL	0.197	U,G	1.85	-0.106	U,G	0.296	-0.121	U,G	0.253	-0.124	U,G	0.324	-0.443	U	1.5
NB-72-11-SL	0.299	U,G	2.49	0	U,G	0.334	-0.0503	U,G	0.286	0.142	U,G	0.209	0.426	U	1.5

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Ruthenium-106			Scandium 46			Silver-110			Sodium-22			Technetium-99		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-72-19-SL	-0.612	U	1.66	-0.0731	U	0.243	-0.0683	U	0.182	-0.00278	U	0.244	0.14	U	1.51
NB-72-22-SL	0.419	U	1.75	-0.05	U	0.302	0.0147	U	0.178	0.0199	U	0.214	0.35	U	1.49
NB-73-05-SL	-0.667	U,G	2.33	0.0424	U,G	0.278	-0.0131	U,G	0.242	-0.0254	U,G	0.305	0.771	U	1.5
NB-73-13-SL	0.124	U,G	2.06	0	U,G	0.312	0.0747	U,G	0.196	0	U,G	0.308	1.01	U	1.42
NB-73-23-SL	-0.335	U	2.1	-0.0532	U	0.266	0.00939	U	0.235	-0.0212	U	0.254	0.206	U	1.56
NB-74-05-SL	0.286	U,G	1.86	-0.0837	U,G	0.27	-0.0215	U,G	0.21	0.108	U,G	0.248	7.49		1.55
NB-74-17-SL	-1.17	U,G	2.29	-0.0597	U,G	0.291	0.0218	U,G	0.226	-0.0169	U,G	0.319	2.81	LT	1.49
NB-74-25-SL	-0.296	U,G	2.04	0	U,G	0.278	-0.0661	U,G	0.228	-0.0708	U,G	0.386	2.45	LT	1.47
NB-74-33-SL	-0.125	U,G	1.69	0.086	U,G	0.166	-0.0292	U,G	0.168	-0.00631	U,G	0.208	0.485	U	1.43
NB-75-08-SL	0.534	U,G	1.79	-0.0411	U,G	0.238	-0.0795	U,G	0.2	0	U,G	0.232	0.346	U	1.5
NB-75-15-SL	-0.187	U,G	2.05	-0.0293	U,G	0.233	0.0105	U,G	0.158	0.0084	U,G	0.273	-0.12	U	1.5
NB-75-19-SL	0.681	U	1.25	0.0013	U	0.23	-0.0567	U	0.166	-0.0162	U	0.115	0.576	U	1.52
NB-76-06-SL	0.492	U,G	1.71	-0.0152	U,G	0.265	0.055	U,G	0.155	-0.0707	U,G	0.324	1.03	U	1.51
NB-76-10-SL	0.57	U	1.29	-0.0498	U	0.23	0.0448	U	0.153	-0.0946	U	0.216	0.126	U	1.48
NB-76-24-SL	0.206	U	1.71	0.0163	U	0.196	0.00722	U	0.133	-0.0195	U	0.144	0.989	U	1.61
NB-77-05-SL	-0.759	U,G	1.81	-0.0619	U,G	0.218	-0.00511	U,G	0.179	-0.0416	U,G	0.216	0.402	U	1.49
NB-77-13-SL	0	U	1.61	0.0826	U	0.229	0.0298	U	0.18	-0.044	U	0.277	0.663	U	1.51
NB-77-24-SL	0.195	U	1.45	-0.00923	U	0.194	0.0249	U	0.142	-0.0753	U	0.213	0.0199	U	1.52
NB-78-07-SL	-0.676	U,G	2.8	0.0859	U,G	0.199	0.0398	U,G	0.297	0.077	U,G	0.336	0.554	U	1.56
NB-78-11-SL	0.609	U,G	1.57	0.0208	U,G	0.189	-0.053	U,G	0.178	-0.0909	U,G	0.24	-0.214	U	1.49
NB-78-18-SL	0.277	U,G	1.61	-0.0282	U,G	0.235	0.0413	U,G	0.187	0	U,G	0.227	0.143	U	1.51
NB-79-05-SL	-1.08	U,G	2.41	-0.0188	U,G	0.313	-0.0419	U,G	0.241	0.0456	U,G	0.168	0.106	U	1.51
NB-79-05-SL-FD	0.541	U,G	1.43	-0.0407	U,G	0.226	0.0402	U,G	0.175	-0.0472	U,G	0.189	0.405	U	1.47
NB-79-11-SL	0.12	U,G	2.09	0.0188	U,G	0.226	-0.0369	U,G	0.204	0.0228	U,G	0.212	-0.0682	U	1.47
NB-79-24-SL	-0.383	U	1.75	-0.0772	U	0.249	0.00451	U	0.183	-0.0563	U	0.269	0.0433	U	1.39
NB-80-05-SL	0.349	U,G	1.94	-0.202	U,G	0.402	-0.0261	U,G	0.223	-0.0443	U,G	0.266	-0.194	U	1.52
NB-80-11-SL	-0.358	U,G	1.82	-0.116	U,G	0.249	0.0119	U,G	0.171	-0.0423	U,G	0.278	0.0511	U	1.51
NB-80-27-SL	-0.969	U,G	2.12	-0.0149	U,G	0.236	-0.0216	U,G	0.224	-0.0305	U,G	0.302	0.191	U	1.48
NB-81-09-SL	0.341	U,G	1.6	-0.0253	U,G	0.229	-0.0379	U,G	0.207	-0.134	U,G	0.28	0.079	U	1.52
NB-81-11-SL	-0.0699	U,G	2.02	0.0424	U,G	0.262	-0.114	U,G	0.24	-0.0823	U,G	0.312	0.246	U	1.53
NB-81-31-SL	0.0864	U,G	1.54	-0.15	U,G	0.243	-0.0492	U,G	0.173	-0.1	U,G	0.239	0.0853	U	1.57
NB-82-05-SL	-0.304	U,G	2.22	-0.0624	U,G	0.358	-0.103	U,G	0.238	-0.164	U,G	0.399	1	U	2.53
NB-82-11-SL	0.0708	U	1.43	-0.0869	U	0.237	-0.0644	U	0.182	0.00276	U	0.23	-0.176	U	1.49
NB-82-20-SL	-0.459	U	1.72	0.0152	U	0.213	-0.0373	U	0.178	-0.0186	U	0.168	0.421	U	1.45
NB-83-05-SL	0.596	U,G	2.1	-0.141	U,G	0.353	0	U,G	0.385	0.0567	U,G	0.4	0.135	U	1.53
NB-83-11-SL	0.464	U,G	1.62	-0.109	U,G	0.241	-0.0146	U,G	0.154	0.11	U,G	0.197	0.238	U	1.66
NB-83-23-SL	-0.498	U	1.92	-0.0226	U	0.212	0.0208	U	0.154	-0.0234	U	0.234	-0.0214	U	1.42
NB-84-05-SL	0.145	U,G	2.41	0.0682	U,G	0.32	-0.0751	U,G	0.342	0.22	U,G	0.297	0.748	U	1.44
NB-84-15-SL	0.43	U,G	1.63	-0.107	U,G	0.244	-0.0705	U,G	0.185	-0.0236	U,G	0.279	0.00789	U	1.47
NB-84-23-SL	0	U,G	1.31	-0.0395	U,G	0.23	-0.0486	U,G	0.183	0.0152	U,G	0.164	-0.112	U	1.54
NB-84-33-SL	-0.172	U	1.79	0.0265	U	0.174	0.0758	U	0.171	-0.0155	U	0.213	0.403	U	1.54
NB-85-05-SL	-0.865	U,G	2.43	-0.0346	U,G	0.288	-0.0851	U,G	0.252	0.0559	U,G	0.263	0.449	U	1.41
NB-85-15-SL	0.606	U,G	1.6	-0.0485	U,G	0.305	0.0681	U,G	0.189	-0.0348	U,G	0.276	0.295	U	1.35

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Ruthenium-106			Scandium 46			Silver-110			Sodium-22			Technetium-99		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-85-25-SL	-0.62	U,G	2.32	0.0993	U,G	0.217	0.0929	U,G	0.174	-0.0712	U,G	0.251	0.223	U	1.41
NB-85-35-SL	-0.652	U	1.52	0.0471	U	0.145	-0.00987	U	0.158	-0.109	U	0.246	0.331	U	1.41
NB-86-05-SL	0.776	U,G	2.03	0	U,G	0.411	0.0592	U,G	0.247	0	U,G	0.351	0.294	U	1.37
NB-86-15-SL	0	U,G	1.91	0.0787	U,G	0.25	-0.0221	U,G	0.208	0.0339	U,G	0.203	0.329	U	1.4
NB-86-19-SL	-0.134	U,G	1.81	0.0773	U,G	0.232	-0.0226	U,G	0.189	0.00936	U,G	0.221	-0.339	U	1.42
OA-18-03-SL	-0.521	U	2.02	-0.07	U	0.274	-0.0189	U	0.161	-0.0566	U	0.265	0.585	U	1.32
OA-18-17-SL	0.274	U,G	1.97	-0.0139	U,G	0.258	-0.0051	U,G	0.202	0.0557	U,G	0.236	0.942	U	1.23
OA-18-25-SL	-0.258	U,G	2.67	0	U,G	0.331	-0.0236	U,G	0.305	0	U,G	0.262	0.0199	U	1.27
OA-18-33-SL	0.244	U	1.26	0.0235	U	0.238	0.0534	U	0.143	-0.0377	U	0.236	0.836	U	1.27
OA-19-05-SL	-0.797	U	2.29	-0.0184	U	0.307	0.0016	U	0.287	-0.0431	U	0.282	1.67	LT	1.29
OA-19-15-SL	0.0106	U,G	1.9	0.108	U,G	0.25	-0.00374	U,G	0.188	0.00128	U,G	0.294	-0.439	U	1.34
OA-19-25-SL	1.75	G,TI	1.25	0	U,G	0.328	-0.0852	U,G	0.266	-0.0441	U,G	0.35	0.151	U	1.33
OA-19-33-SL	0.754	U	1.34	-0.0538	U	0.253	0.0242	U	0.183	0.0237	U	0.206	-0.17	U	1.32
PL-04-05-SL	-0.621	U,G	2.32	0.0483	U,G	0.324	0	U,G	0.26	-0.0372	U,G	0.34	4.54		1.22
PL-04-13-SL	-0.358	U,G	2.4	0.0763	U,G	0.25	-0.0285	U,G	0.241	0	U,G	0.319	1.2	U	1.48
PL-04-23-SL	-0.0919	U	1.9	0.0143	U	0.249	0.0926	U	0.207	-0.111	U	0.347	0.373	U	1.43
PL-04-31-SL	-0.0904	U,G	1.55	0.132	U,G	0.226	0.0798	U,G	0.182	-0.0835	U,G	0.337	0.901	U	1.57
PL-05-05-SL	0.178	U,G	1.55	0.0135	U,G	0.235	-0.0099	U,G	0.205	0.0309	U,G	0.185	-0.0474	U	0.847
PL-05-15-SL	0.276	U	2.06	0.0284	U	0.237	0.0206	U	0.163	-0.0372	U	0.318	0.654	U	0.851
PL-05-28-SL	-0.454	U,G	1.88	-0.0692	U,G	0.26	0.0304	U,G	0.169	-0.0948	U,G	0.287	0.166	U	0.853
PL-06-07-SL	-0.364	U,G	2.11	0.0197	U,G	0.242	-0.00397	U,G	0.207	-0.0113	U,G	0.284	0.762	U	1.04
PL-06-13-SL	-0.129	U,G	1.84	0.00455	U,G	0.242	0.0568	U,G	0.222	-0.114	U,G	0.298	0.356	U	1.03
PL-06-17-SL	-0.742	U,G	1.62	-0.044	U,G	0.244	-0.0936	U,G	0.228	-0.016	U,G	0.302	0.451	U	0.964
PL-06-29-SL	0.159	U	1.47	-0.0779	U	0.218	-0.0449	U	0.165	-0.0141	U	0.255	0.812	U	1.04
PL-06-33-SL	0.696	U	1.58	-0.028	U	0.222	-0.0391	U	0.22	0.0272	U	0.234	1.18	LT	1.02
RR-04-07-SL	-0.402	U,G	2.23	-0.0654	U,G	0.346	0.0113	U,G	0.284	0	U,G	0.402	0.105	U	0.826
RR-04-15-SL	1.3	U,G	1.68	-0.0578	U,G	0.29	-0.0104	U,G	0.221	-0.0481	U,G	0.322	0.0857	U	0.756
RR-04-25-SL	0	U,G	2.17	0.127	U,G	0.255	-0.00735	U,G	0.299	0.0246	U,G	0.323	0.217	U	0.798
RR-05-05-SL	0.205	U,G	2.52	0.164	U,G	0.231	-0.0346	U,G	0.239	-0.0138	U,G	0.317	0.143	U	0.78
RR-05-05-SL-FD	0.286	U,G	1.87	-0.0468	U,G	0.39	-0.0785	U,G	0.361	0.027	U,G	0.38	0.422	U	0.778
RR-05-15-SL	-0.554	U,G	1.54	0.0579	U,G	0.241	0.0413	U,G	0.136	-0.0957	U,G	0.278	0.0787	U	0.792
RR-05-25-SL	-0.759	U,G	2.77	0.0692	U,G	0.326	0.0365	U,G	0.203	0.0097	U,G	0.315	0.372	U	0.797
SW-02-01-SL	0.669	U,G	2.2	0.0482	U,G	0.254	0.0121	U,G	0.24	0.081	U,G	0.218	2.97	LT	0.831
SW-02-09-SL	0.365	U,G	1.56	0.0158	U,G	0.254	0.046	U,G	0.208	0.029	U,G	0.186	0.907	LT	0.86
SW-02-15-SL	0.328	U,G	2.46	-0.0343	U,G	0.286	0.11	U,G	0.173	-0.0687	U,G	0.396	0.571	U	0.825
SW-02-23-SL	-0.394	U,G	1.76	-0.061	U,G	0.294	-0.0353	U,G	0.205	-0.0436	U,G	0.273	0.549	U	0.863
SW-05-08-SL	-0.524	U,G	2.72	0.0344	U,G	0.242	-0.0709	U,G	0.258	-0.0559	U,G	0.341	0.359	U	0.823
SW-05-12-SL	-0.742	U,G	2.05	-0.0629	U,G	0.286	0.00549	U,G	0.223	-0.176	U,G	0.359	0.0116	U	0.88
SW-06-05-SL	0.097	U,G	1.54	-0.031	U,G	0.233	0.0218	U,G	0.154	-0.0334	U,G	0.278	0.108	U	0.883
SW-06-05-SL-FD	-0.0366	U,G	1.91	-0.0512	U,G	0.32	-0.00138	U,G	0.198	-0.0645	U,G	0.294	0.562	U	0.787
SW-06-13-SL	0.255	U,G	1.8	-0.278	U,G	0.443	0.0451	U,G	0.324	-0.12	U,G	0.401	0.152	U	0.838
SW-06-23-SL	0.0236	U,G	2.08	0.0337	U,G	0.249	-0.0926	U,G	0.237	0.00601	U,G	0.307	0.454	U	0.828
SW-07-05-SL	-0.314	U,G	1.82	-0.11	U,G	0.305	-0.0812	U,G	0.228	-0.0433	U,G	0.264	0.583	U	0.855

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Ruthenium-106			Scandium 46			Silver-110			Sodium-22			Technetium-99		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-07-15-SL	0.409	U,G	2.05	0.0456	U,G	0.362	0.202	U,G	0.249	0.0514	U,G	0.337	0.397	U	0.86
SW-07-23-SL	-0.165	U,G	1.99	0.153	U,G	0.249	-0.106	U,G	0.232	-0.026	U,G	0.307	0.585	U	0.885
SW-08-03-SL	0	U,G	2.25	-0.061	U,G	0.339	-0.0699	U,G	0.322	-0.0234	U,G	0.307	0.204	U	0.773
SW-08-05-SL	0.696	U,G	2.06	0.0317	U,G	0.299	0	U,G	0.203	0.0222	U,G	0.218	0.584	U	0.786
SW-08-15-SL	0.138	U,G	2.07	0.0451	U,G	0.271	0.0155	U,G	0.265	0.052	U,G	0.312	0.282	U	0.823
SW-08-25-SL	-0.162	U	1.42	0	U	0.167	-0.0364	U	0.177	0	U	0.169	0.0591	U	0.793

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thallium-208			Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)			Thorium-232 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BD-13-09-SL	0.256	G	0.19	-1.59	U,G	1.41									
BD-13-15-SL	0.206	U,G	0.214	-1.57	U,G	1.46									
BD-13-23-SL	0.228	U,G	0.24	0.0318	U,G	1.25									
BD-13-30-SL	0.131	U,G	0.184	-0.0958	U,G	0.814									
BD-14-05-SL	0.31	G	0.288	-0.038	U,G	0.895	1.02		0.0575	1.13		0.0756	1.13		0.0251
BD-14-13-SL	0.314	G	0.183	0.294	U,G	0.692									
BD-14-25-SL	0.215	U	0.247	-0.0359	U	0.949									
BD-14-31-SL	0.0179	U	0.256	0.109	U	1.08									
BD-15-05-SL	0.306	G	0.188	-0.384	U,G	1.16									
BD-15-17-SL	0.354	G	0.292	0.276	U,G	1.61									
BD-15-25-SL	0.302		0.162	0.102	U	0.926									
BD-15-31-SL	0.315	U,G	0.322	-0.332	U,G	1.13									
BD-16-05-SL	0.323	G	0.214	-0.398	U,G	1.1									
BD-16-15-SL	0.324	G	0.194	0.0933	U,G	1.11									
BD-16-19-SL	0.441	G	0.227	-0.405	U,G	1.07									
BD-16-25-SL	0.294	U,G	0.325	0.221	U,G	1.39									
BD-16-34-SL	0.382	G	0.188	0.288	U,G	1.1									
BLD240-01-01	0.14	U	0.15	-0.12	U	0.83	1.14	M3	0.0573	1.06	M3	0.0393	0.987		0.014
BLD240-01-09	0.23	U	0.26	-0.3	U	1.25									
BLD240-01-09FD	0.39		0.17	-0.14	U	1.11									
BLD240-01-31							0.66	M3	0.0405	0.792	M3	0.0406	0.517		0.0124
BLD240-03-04	0.39		0.23	0.24	U	1.31	1.32	M3	0.0346	1.22	M3	0.04	1.13		0.0083
BLD240-03-04FD	0.42		0.2	0.09	U	1.12									
BLD240-03-14							1.24	M3	0.0563	1.14	M3	0.0428	1.07	M3	0.0182
BLD240-03-19	0.45		0.27	0.18	U	1.36									
BLD240-04-02	0.31		0.17	0.21	U	0.79	1.3	M3	0.0548	1.01	M3	0.0434	1.07		0.0088
BLD240-04-04	0.22	U	0.23	-0.09	U	0.78									
BLD240-04-33							0.542	M3	0.0329	0.756	M3	0.0371	0.418		0.0075
BLD240-05-01	0.3		0.19	-0.22	U	0.89									
BLD240-05-02	0.27		0.22	0.23	U	1.29									
BLD253-02-01	0.127		0.122	-0.17	U	0.67									
BLD253-02-04	0.28		0.18	0	U	1.17	1.3	M3	0.0295	1.3	M3	0.0389	1.1	J	0.0079
BLD253-02-21FD	0.17	U	0.18	0.11	U	1.06									
BLD253-02-21							1.06	M3	0.0364	1.13	M3	0.045	0.876		0.0143
BLD255-05-01							1.23	M3	0.0442	1.04	M3	0.0429	1.1		0.0141
BLD255-05-23							1.55	M3	0.0625	1.42	M3	0.0467	1.18	M3	0.0209
BLD255-07-02	0.29		0.15	-0.23	U	0.91	1.29	M3	0.0365	1.08	M3	0.042	1.12		0.0033
BLD255-07-15	0.3		0.23	0.03	U	1.18									
BLD255-07-33							1.33	M3	0.0448	1.1	M3	0.0481	1.06		0.014
BLD255-08-01	0.23		0.19	0	U	0.91	0.988	M3	0.0311	0.918	M3	0.0438	0.807		0.0036
BLD255-08-08	0.34		0.23	0	U	1.47	1.25	M3	0.0483	1.25	M3	0.0414	1.21		0.0163
BLD260-06-01	0.39		0.15	-14	U	37	1.11	M3	0.0413	1.08	M3	0.0469	1.08		0.0097
BLD260-06-03	0.38		0.23	0.51	U	0.9									

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thallium-208			Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)			Thorium-232 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
BLD260-06-31							0.685	M3	0.06	0.675	M3	0.041	0.656		0.0124
BP-13-05-SL	0.302	G	0.181	0.0941	U,G	1.27									
BP-13-11-SL	0.182	U,G	0.2	0.234	U,G	1.06									
BP-13-15-SL	0.263	G	0.253	-0.184	U,G	1.31									
BP-13-25-SL	0.443	G	0.215	0.189	U,G	1.49									
BP-13-35-SL	0.177	G	0.167	-0.251	U,G	1.06									
BP-17-05-SL	0.261	G	0.248	0.288	U,G	0.944	1.07		0.0612	1.14		0.0737	1.16		0.0247
BP-17-15-SL	0.196		0.178	-0.384	U	1.1									
BP-17-23-SL	0.364	G	0.205	0.157	U,G	1.2									
BP-17-31-SL	0.318	G	0.227	0.469	U,G	1.03									
BP-18-05-SL	0.282	G	0.254	0.281	U,G	1.51									
BP-18-15-SL	0.385	G	0.272	0	U,G	1.03									
BP-18-25-SL	0.288	G,TI	0.288	0.316	U,G	1.68									
BP-18-31-SL	0.0308	U	0.171	0.251	U	0.687									
BP-19-05-SL	0.295		0.155	0.283	U	0.981									
BP-19-13-SL	0.204		0.184	0.0384	U	1.35									
BP-19-25-SL	0.395	G	0.185	-0.114	U,G	1.14									
BP-19-29-SL	0.265		0.241	0.0702	U	0.843									
BP-20-03-SL	0.174	U	0.178	0.104	U	0.867									
BP-20-19-SL	0.351	G	0.335	0.0878	U,G	1.59									
BP-20-27-SL	0.169		0.154	0.156	U	0.568									
BP-21-07-SL	0.429	G	0.237	0	U,G	1.28									
BP-21-07-SL-FD	0.285		0.233	-0.903	U	1.68									
BP-21-13-SL	0.279		0.128	-0.136	U	0.803									
BP-21-24-SL	0.314	G	0.205	-0.152	U,G	0.949									
BP-21-34-SL	0.121	U	0.192	-0.196	U	1.31									
BP-22-05-SL	0.337	G	0.166	-0.265	U,G	0.831									
BP-22-13-SL	0.254	G	0.208	0.517	U,G	1.36									
BP-22-23-SL	0.264		0.153	-0.0263	U	0.971									
BP-22-33-SL	0.215	TI	0.172	-0.0312	U	0.7									
CB-02-05-SL	0.238	G,TI	0.217	0	U,G	0.878	0.971		0.0668	1.01		0.086	1.07		0.0227
CB-02-05-SL-FD	0.365	G	0.269	0.12	U,G	1.09	1.29		0.0669	1.29		0.0845	1.15		0.0205
CB-02-15-SL	0.212	G	0.166	0.131	U,G	1.19									
CB-02-25-SL	0.237	U,G	0.277	-0.0225	U,G	1.42									
DM-02-05-SL	0.276		0.177	-0.0338	U	1.2									
DM-02-17-SL	0.367	G	0.205	-0.162	U,G	0.873									
DM-02-22-SL	0.317		0.202	0.216	U	0.999	1.54	M3	0.157	1.74	M3	0.194	1.59		0.0538
DM-02-33-SL	0.243		0.224	0.0797	U	0.882									
DM-03-05-SL	0.216	U,G	0.305	0.269	U,G	0.938	1.23		0.0624	1.14		0.0766	1.15		0.0323
DM-03-05-SL-FD	0.192	U,G	0.249	-0.0827	U,G	1.6	1.26		0.03	1.2		0.0749	1.14		0.0198
DM-03-13-SL	0.233	G	0.228	0.0571	U,G	1.14									
DM-03-25-SL	0.293	G	0.224	-0.357	U,G	1.41									
DM-03-34-SL	0.191	G	0.164	0.203	U,G	0.867									

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thallium-208			Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)			Thorium-232 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
EP-13-03-SL	0.282	J	0.16	-0.165	UJ	1.3									
EP-13-13-SL	0.458	J	0.236	-0.201	UJ	1.03									
EP-13-25-SL	0.382	J	0.199	-0.033	UJ	0.903									
EP-13-30-SL	0.138	U	0.185	0.201	UJ	0.66									
EP-14-05-SL	0.271	J	0.213	-0.0441	UJ	1.15									
EP-14-13-SL	0.302	J	0.175	-0.263	UJ	1.23									
EP-14-25-SL	0.363	J	0.209	0.469	UJ	0.848									
EP-14-31-SL	0.223	J	0.178	-0.0296	UJ	0.74									
EP-15-05-SL	0.365	G	0.267	0.764	U,G	1.57									
EP-15-13-SL	0.357	G	0.255	0.0452	U,G	1.66									
EP-15-25-SL	0.21	U	0.236	0.42	U	0.726									
EP-15-29-SL	0.231		0.177	-0.309	U	1.47									
EP-16-05-SL	0.239	U,G	0.239	0.314	U,G	0.77									
EP-16-15-SL	0.496	G	0.15	-0.215	U,G	0.878									
EP-16-27-SL	0.0643	U	0.149	0.183	U	0.491									
EP-17-05-SL	0.216	U,G	0.275	-0.813	U,G	1.2	1.2		0.0299	1.2		0.0418	1.13		0.0108
EP-17-15-SL	0.227	U,G	0.285	0.0442	U,G	1.55									
EP-17-25-SL	0.239	G	0.229	-0.173	U,G	1.18									
EP-17-30-SL	0.074	U	0.196	0.314	U	0.95									
EP-18-09-SL	0.252	J	0.237	-0.215	UJ	1.64									
EP-18-09-SL-FD	0.319	J	0.186	-1.13	UJ	1.36									
EP-18-15-SL	0.324	J	0.185	0.0921	UJ	0.797									
EP-18-29-SL	0.419	J	0.284	-0.0402	UJ	1.08									
EP-19-05-SL	0.248	J	0.168	-1.52	UJ	1.46									
EP-19-13-SL	0.496	J	0.176	-0.157	UJ	0.985									
EP-19-25-SL	0.386	J	0.174	0.215	UJ	0.769									
EP-19-31-SL	0.31	J	0.203	-1.17	UJ	1.38									
EP-20-05-SL	0.386	G	0.206	-1.93	U,G	1.48									
EP-20-15-SL	0.523	G	0.299	0.351	U,G	1.28									
EP-20-25-SL	0.336	G	0.231	-1.45	U,G	1.46									
LF-06-05-SL	0.277	G	0.182	0.132	U,G	0.89									
LF-06-13-SL	0.292	G	0.205	-1.91	U,G	1.5									
LF-06-27-SL	0.217	G	0.175	-1.23	U,G	1.39									
LF-06-32-SL	0.118	U,G	0.168	-0.488	U,G	1.02									
LF--07-09-SL	0.21	U,G	0.213	0.327	U,G	0.752									
LF-07-15-SL	0.327	G	0.26	0.184	U,G	0.704									
LF-07-25-SL	0.207	U,G	0.309	-0.8	U,G	1.95									
LF-07-34-SL	0.164	U,G	0.26	-0.0392	U,G	0.9									
LF-08-05-SL	0.381	G	0.262	0.445	U,G	0.909									
LF-08-05-SL-FD	0.267	G	0.23	0.0588	U,G	1.14									
LF-08-15-SL	0.249	G	0.224	-0.065	U,G	0.829									
LF-08-21-SL	0.485	G	0.278	0.27	U,G	1.72									
LF-08-37-SL	0.00797	U,G	0.241	-0.151	U,G	0.824									

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thallium-208			Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)			Thorium-232 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
LF-09-03-SL	0.267	U,G	0.29	0	U,G	0.946									
LF-09-17-SL	0.298	U,G	0.3	-9.92	U,G	24.7									
LF-09-25-SL	0.344	G	0.244	-0.0351	U,G	1.5									
LF-09-31-SL	0.0621	U,G	0.209	-0.251	U,G	1.35									
NB-28-04-SL	0.158	U,G	0.218	-0.0679	U,G	0.913									
NB-28-14-SL	0.246	U,G	0.273	0.196	U,G	0.978									
NB-28-24-SL	0.169	U,G	0.172	-1.52	U,G	1.32									
NB-28-35-SL	0.0713	U,G	0.15	-0.894	U,G	1.12									
NB-29-05-SL	0.168	U,G	0.282	0.204	U,G	0.958									
NB-29-14-SL	-0.00706	U,G	0.191	-0.153	U,G	0.692									
NB-29-22-SL	0.078	U	0.142	-0.0255	U	0.625									
NB-30-05-SL	0.32	G	0.307	-0.116	U,G	1.06	1.15		0.0588	1.26		0.0755	1.2		0.0096
NB-30-15-SL	0.243	G	0.227	0.558	U,G	1.02									
NB-30-25-SL	0.386	G	0.291	-0.0817	U,G	1.25									
NB-30-33-SL	0.0856	U,G	0.171	0.2	U,G	0.861									
NB-31-05-SL	0.168	U,G	0.241	0.65	U,G	1.14									
NB-31-15-SL	0.381	G	0.225	0.535	U,G	0.772									
NB-31-27-SL	0.194	U,G	0.266	-0.139	U,G	0.965									
NB-31-32-SL	0.173	U,G	0.264	0.381	U,G	1.23									
NB-32-05-SL	0.364	G	0.25	-0.283	U,G	1.17									
NB-32-15-SL	0.274	G	0.244	-0.235	U,G	1									
NB-32-27-SL	0.391	G	0.21	0.0912	U,G	0.776									
NB-32-33-SL	0.469	G	0.195	0.261	U,G	1.23									
NB-33-05-SL	0.274	G	0.192	0.282	U,G	0.752									
NB-33-15-SL	0.25	G	0.224	-0.119	U,G	0.99									
NB-33-27-SL	0.136	U	0.167	-0.214	U	0.764									
NB-34-05-SL	0.421	G	0.318	0.0799	U,G	0.897									
NB-34-15-SL	0.23	G	0.19	0.062	U,G	0.848									
NB-34-25-SL	0.201	U	0.211	-0.324	U	1.13									
NB-35-01-SL	0.485	G	0.214	0.278	U,G	0.953									
NB-35-15-SL	0.393	G	0.183	0.303	U,G	1.05									
NB-35-25-SL	0.244	G	0.201	0	U,G	0.854									
NB-36-05-SL	0.272	G	0.209	0.247	U,G	1.16	0.843		0.0752	0.992		0.0724	0.804		0.0213
NB-36-15-SL	0.26	U,G	0.279	0.0746	U,G	1.25									
NB-36-27-SL	0.436		0.212	0.0726	U	0.752									
NB-37-05-SL	0.139	U,G	0.22	0.492	U,G	1.47									
NB-37-15-SL	0.303	G	0.252	1.05	U,G	1.2									
NB-37-25-SL	0.316	G	0.212	-0.0828	U,G	1.46									
NB-38-09-SL	0.259	G	0.192	-1.89	U,G	1.43									
NB-38-15-SL	0.32		0.195	-1.74	U	1.36									
NB-38-25-SL	0.232		0.14	-1.42	U	1.36									
NB-39-05-SL	0.203	U,G	0.231	0.387	U,G	0.963									
NB-39-15-SL	0.317	G	0.183	0.113	U,G	0.709									

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thallium-208			Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)			Thorium-232 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-39-25-SL	0.31	G	0.284	0.037	U,G	0.926									
NB-39-30-SL	0.218	G,TI	0.207	-0.187	U,G	1									
NB-40-05-SL	0.26	G	0.202	0.373	U,G	1.08									
NB-40-05-SL-FD	0.311		0.177	-1.57	U	1.32									
NB-40-17-SL	0.22	U,G	0.239	-0.465	U,G	1.72									
NB-40-25-SL	0.132	TI	0.224	-0.232	U	1.13									
NB-40-31-SL	0.0798	U	0.134	-0.663	U	0.904									
NB-41-05-SL	0.249		0.184	-0.14	U	1.34									
NB-41-13-SL	0.126	U	0.173	0.117	U	0.688									
NB-41-19-SL	0.1	U,G	0.186	-0.21	U,G	0.955									
NB-42-05-SL	0.232	G	0.18	0.0939	U,G	1.19									
NB-42-13-SL	0.159	U	0.189	-0.128	U	0.683									
NB-42-23-SL	0.105	U	0.156	-0.0248	U	0.875									
NB-43-05-SL	0.22	G	0.219	0.0602	U,G	1.13									
NB-43-13-SL	0.0953	U	0.143	0.393	U	0.952									
NB-44-05-SL	0.0627	U	0.2	0.378	U	0.742									
NB-44-05-SL-FD	0.12	U,G	0.141	-0.575	U,G	0.946									
NB-44-11-SL	0.0534	U	0.155	0.0247	U	0.737									
NB-44-18-SL	0.188	TI	0.147	0.154	U	0.709									
NB-45-05-SL	0.274	G	0.249	0	U,G	1.21									
NB-45-05-SL-FD	0.438	G	0.23	0.256	U,G	1.07									
NB-45-13-SL	0.26	G,TI	0.23	-0.04	U,G	0.961									
NB-45-25-SL	0.261	G	0.249	-0.127	U,G	1.39									
NB-45-33-SL	0.192		0.159	-1.02	U	1.19									
NB-46-09-SL	0.241		0.207	-0.281	U	0.897									
NB-46-17-SL	0.222	G	0.163	-1.33	U,G	1.22									
NB-46-25-SL	0.428	G	0.202	0.0857	U,G	1.56									
NB-46-29-SL	0.208	G	0.18	0.0278	U,G	0.992									
NB-47-05-SL	0.339		0.165	-0.0863	U	0.859									
NB-47-15-SL	0.421	G	0.158	0.0935	U,G	0.779									
NB-47-25-SL	0.515	G	0.293	0.511	U,G	1.3									
NB-47-31-SL	0.36	G	0.178	-0.231	U,G	0.93									
NB-48-05-SL	0.312	G	0.215	0.104	U,G	1.6									
NB-48-11-SL	0.423	G	0.226	0.235	U,G	0.778									
NB-48-15-SL	0.318	G	0.26	-0.274	U,G	1.12									
NB-48-25-SL	0.354	G	0.191	-0.309	U,G	1.2									
NB-48-35-SL	0.298	G	0.229	-0.021	U,G	1.55									
NB-49-05-SL	0.208	G	0.2	0.284	U,G	1.69									
NB-49-05-SL-FD	0.249	U,G	0.267	0.427	U,G	0.73									
NB-49-15-SL	0.462	G	0.287	0	U,G	1.58									
NB-49-25-SL	0.311	G	0.208	-0.0322	U,G	0.879									
NB-49-37-SL	0.0972	U,G	0.271	0.336	U,G	1.12									
NB-50-05-SL	0.184	U,G	0.246	-0.265	U,G	1.72									

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thallium-208			Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)			Thorium-232 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-50-15-SL	0.306	G	0.212	0.5	U,G	0.796									
NB-50-25-SL	0.373	G	0.265	0.117	U,G	1.54									
NB-50-37-SL	0.166		0.163	0.205	U	0.875									
NB-51-05-SL	0.196	U,G	0.238	0.186	U,G	1.2									
NB-51-13-SL	0.218	U,G	0.235	0.159	U,G	1.49									
NB-51-25-SL	0.32	G	0.251	0.0984	U,G	0.867									
NB-51-37-SL	0.414	G	0.242	-0.383	U,G	1.35									
NB-52-05-SL	0.305	G	0.236	0.448	U,G	0.914									
NB-52-13-SL	0.298	G	0.192	0.613	U,G	1.54									
NB-52-25-SL	0.21	U,G	0.22	0.0994	U,G	0.829									
NB-52-35-SL	0.311	G	0.228	0.235	U,G	0.921									
NB-53-05-SL	0.31	G	0.182	0.309	U,G	0.829									
NB-53-13-SL	0.266	G	0.2	0.175	U,G	1.13									
NB-53-23-SL	0.242	U,G	0.255	-0.287	U,G	1.04									
NB-53-33-SL	0.211	U,G	0.216	-0.2	U,G	1.06									
NB-54-05-SL	0.354	G	0.2	-0.802	U,G	1.8									
NB-54-13-SL	0.415	G	0.232	0	U,G	1.43									
NB-54-25-SL	0.374	G	0.321	0.55	U,G	0.765									
NB-54-31-SL	0.0393	U	0.156	-0.68	U	0.88									
NB-55-05-SL	0.34	G	0.245	0.384	U,G	0.883	1.15		0.0828	1.14		0.0796	1.08		0.0297
NB-55-13-SL	0.264	G	0.214	-0.109	U,G	1.72									
NB-55-25-SL	0.305	U,G	0.309	0.149	U,G	0.856									
NB-55-33-SL	0.0166	U	0.18	0.0466	U	0.648									
NB-56-05-SL	0.404		0.179	0.189	U	0.96									
NB-56-13-SL	0.324	G,TI	0.228	-0.441	U,G	1.67									
NB-56-25-SL	0.23	G	0.196	-0.314	U,G	1.22									
NB-56-33-SL	0.0802	U	0.198	0.0562	U	1.13									
NB-57-05-SL	0.342	G	0.231	0.134	U,G	1.67									
NB-57-05-SL-FD	0.215	U,G	0.224	0.302	U,G	1.27									
NB-57-15-SL	0.26	G	0.239	-0.43	U,G	1.76									
NB-57-29-SL	0.277	G	0.247	0	U,G	0.965									
NB-57-34-SL	0.269	G	0.168	0.38	U,G	1.28									
NB-58-05-SL	0.288	G	0.208	-0.298	U,G	1.22									
NB-58-15-SL	0.295	G	0.244	0.0932	U,G	1.69									
NB-58-29-SL	0.43	G	0.198	0.189	U,G	1.14									
NB-58-36-SL	0.284	G,TI	0.235	0.33	U,G	1.28									
NB-59-05-SL	0.344	G	0.184	0.266	U,G	1.01									
NB-59-13-SL	0.213	U,G	0.216	-0.482	U,G	1.82									
NB-59-25-SL	0.457	G	0.187	-0.0571	U,G	0.7									
NB-59-31-SL	0.259	G	0.201	0.484	U,G	0.771									
NB-60-05-SL	0.174	U,G	0.249	0.445	U,G	0.713									
NB-60-13-SL	0.405	G	0.263	0.171	U,G	1.49									
NB-60-23-SL	0.183	U,G	0.187	-1.78	U,G	1.53									

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thallium-208			Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)			Thorium-232 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-60-31-SL	0.143	U,G	0.251	0.203	U,G	0.911									
NB-61-05-SL	0.488	G	0.218	0.627	U,G	1.73									
NB-61-13-SL	0.27	U,G	0.312	0.201	U,G	0.984									
NB-61-23-SL	0.377	G	0.227	0	U,G	1.56									
NB-61-28-SL	0.127	U	0.159	-0.133	U	0.713									
NB-62-05-SL	0.291	G,TI	0.224	-0.313	U,G	1.47									
NB-62-12-SL	0.0196	U,G	0.17	-0.421	U,G	0.78									
NB-62-22-SL	-0.0794	U,G	0.273	0.11	U,G	0.864									
NB-63-05-SL	0.246	U,G	0.269	-0.292	U,G	1.04									
NB-63-13-SL	0.0189	U,G	0.241	0.13	U,G	1.32									
NB-63-19-SL	0.0781	U	0.173	0.242	U	0.842									
NB-64-05-SL	0.281	G	0.243	0.314	U,G	0.837									
NB-64-13-SL	0.112	U,G	0.231	-0.309	U,G	1.3									
NB-64-17-SL	0.0994	U,G	0.136	-0.505	U,G	0.837									
NB-65-05-SL	0.231	G	0.198	-0.159	U,G	0.809									
NB-65-13-SL	0.185	U,G	0.203	0.457	U,G	0.748									
NB-65-17-SL	0.126	U,G	0.192	0.117	U,G	0.705									
NB-66-05-SL	0.149	U,G	0.241	0	U,G	1.08									
NB-66-05-SL-FD	0.195	U,G	0.311	0.05	U,G	1.32									
NB-66-15-SL	0.116	U,G	0.277	-0.0904	U,G	1.42									
NB-66-19-SL	0.133		0.12	-0.135	U	0.924									
NB-67-05-SL	0.279	G	0.261	0.042	U,G	0.896									
NB-67-11-SL	0.0565	U,G	0.154	-0.547	U,G	0.69									
NB-67-21-SL	0.142	U	0.157	-0.178	U	1.12									
NB-68-05-SL	0.277	G	0.195	-1.02	U,G	1.46									
NB-68-13-SL	0.216	G	0.183	0	U,G	1.43									
NB-68-17-SL	0.206	U,G	0.236	0.221	U,G	1.61									
NB-68-25-SL	0.456	G	0.284	0.414	U,G	1.11									
NB-68-33-SL	0.156	U,G	0.211	-0.11	U,G	0.864									
NB-69-05-SL	0.26	G	0.165	-1.52	U,G	1.35									
NB-69-15-SL	0.167	G	0.153	-1.04	U,G	1.18									
NB-69-22-SL	0.381	G	0.204	-1.36	U,G	1.51									
NB-69-34-SL	0.174	U	0.18	-0.911	U	1.16									
NB-70-05-SL	0.309	G	0.194	-1.33	U,G	1.44									
NB-70-15-SL	0.339	G	0.16	0.0587	U,G	1.03									
NB-70-23-SL	0.18	U,G	0.263	-1.03	U,G	1.35									
NB-70-33-SL	0.249	G	0.193	-1.33	U,G	1.32									
NB-71-01-SL	0.368	G	0.181	-0.332	U,G	1.16	1.23		0.0939	1.16		0.0827	1.12		0.0329
NB-71-01-SL-FD	0.355	G	0.297	-0.331	U,G	1.55	1.06		0.0723	1.05		0.0801	1.07		0.0109
NB-71-11-SL	0.309	G	0.222	0.296	U,G	0.888									
NB-71-27-SL	0.176	G,TI	0.173	0.153	U,G	0.963									
NB-72-05-SL	0.171	U,G	0.214	-0.109	U,G	1.44									
NB-72-11-SL	0.238	U,G	0.244	-0.189	U,G	1.06									

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thallium-208			Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)			Thorium-232 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-72-19-SL	0.0548	U	0.117	-0.446	U	1.06									
NB-72-22-SL	-0.0245	U	0.234	0.133	U	0.667									
NB-73-05-SL	0.109	U,G	0.243	-0.127	U,G	1.01									
NB-73-13-SL	0.0359	U,G	0.243	-0.704	U,G	1.09									
NB-73-23-SL	0.0557	U	0.211	-0.705	U	1.02									
NB-74-05-SL	0.188	U,G	0.206	-1.4	U,G	1.42									
NB-74-17-SL	0.243	G	0.239	0.135	U,G	1.18									
NB-74-25-SL	0.225	G	0.21	-0.482	U,G	1.54									
NB-74-33-SL	0.0544	U,G	0.163	-0.138	U,G	0.865									
NB-75-08-SL	0.262	G	0.224	0.431	U,G	0.799									
NB-75-15-SL	0.228	U,G	0.234	0.457	U,G	1.11									
NB-75-19-SL	0.132	U	0.142	0.382	U	0.791									
NB-76-06-SL	0.0339	U,G	0.185	-0.547	U,G	1.09									
NB-76-10-SL	-0.0402	U	0.168	-0.345	U	0.736									
NB-76-24-SL	0.0931	U	0.178	0.0975	U	0.674									
NB-77-05-SL	0.0799	U,G	0.174	-0.358	U,G	0.976									
NB-77-13-SL	0.0869	U	0.198	-0.0594	U	1.27									
NB-77-24-SL	0.0797	U	0.165	0.147	U	0.578									
NB-78-07-SL	0.31	G	0.301	-0.256	U,G	1.49	0.92		0.073	0.897		0.0781	0.854		0.0293
NB-78-11-SL	0.116	U,G	0.162	-0.37	U,G	1.04									
NB-78-18-SL	0.312	G	0.212	0.289	U,G	0.848									
NB-79-05-SL	0.216	U,G	0.302	0.569	U,G	1.19									
NB-79-05-SL-FD	0.226	G	0.21	-0.22	U,G	1.16									
NB-79-11-SL	0.19	U,G	0.214	0.038	U,G	0.853									
NB-79-24-SL	0.135	U	0.155	0.294	U	0.879									
NB-80-05-SL	0.293	G	0.214	-0.0369	U,G	1.16									
NB-80-11-SL	0.247	G	0.184	-0.865	U,G	1.23									
NB-80-27-SL	0.126	U,G	0.233	0.173	U,G	1.44									
NB-81-09-SL	0.359	G	0.182	0	U,G	1.12									
NB-81-11-SL	0.338	G	0.242	0.124	U,G	1.09									
NB-81-31-SL	0.0408	U,G	0.168	-0.168	U,G	0.979									
NB-82-05-SL	0.291	G	0.25	0.43	U,G	1.56									
NB-82-11-SL	0.0778	U	0.171	0.108	U	0.907									
NB-82-20-SL	0.06	U	0.154	0.162	U	0.545									
NB-83-05-SL	0.197	U,G	0.35	-0.283	U,G	1.2									
NB-83-11-SL	0.0798	U,G	0.17	-0.466	U,G	1.06									
NB-83-23-SL	0.145	TI	0.134	-0.162	U	0.605									
NB-84-05-SL	0.315	G	0.289	-0.184	U,G	1.54									
NB-84-15-SL	0.19	U,G	0.191	-1.11	U,G	1.25									
NB-84-23-SL	-0.0156	U,G	0.163	-0.0304	U,G	0.664									
NB-84-33-SL	0.0525	U	0.197	-0.721	U	0.983									
NB-85-05-SL	0.151	U,G	0.264	-0.222	U,G	1.56									
NB-85-15-SL	0.322	G	0.214	-0.0346	U,G	0.865									

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thallium-208			Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)			Thorium-232 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
NB-85-25-SL	0.447	G	0.207	-0.0354	U,G	1.3									
NB-85-35-SL	0.0518	U	0.141	0.33	U	0.333									
NB-86-05-SL	0.322	U,G	0.325	-0.193	U,G	1.16									
NB-86-15-SL	0.335	G	0.204	-0.639	U,G	1.44									
NB-86-19-SL	0.177	G	0.14	-0.0291	U,G	0.713									
OA-18-03-SL	0.336		0.188	-0.0549	U	0.995									
OA-18-17-SL	0.209	G	0.191	-0.0578	U,G	1.08									
OA-18-25-SL	0.194	U,G	0.293	0.284	U,G	1.54									
OA-18-33-SL	0.288		0.183	-0.0257	U	1.1									
OA-19-05-SL	0.318		0.228	-0.0716	U	0.962									
OA-19-15-SL	0.39	G	0.187	-0.224	U,G	1.08									
OA-19-25-SL	0.394	G	0.299	0	U,G	1.28									
OA-19-33-SL	0.244		0.171	0.272	U	0.564									
PL-04-05-SL	0.286	G	0.232	-0.345	U,G	1.79	1.15		0.0544	1.15		0.0711	1.09		0.0231
PL-04-13-SL	0.284	G	0.259	-0.113	U,G	1.04									
PL-04-23-SL	0.145	U	0.255	-0.286	U	1.41									
PL-04-31-SL	0.348	G	0.169	0.478	U,G	0.542									
PL-05-05-SL	0.346	G	0.247	0.308	U,G	1.03	1.28		0.0577	1.2		0.0785	0.934		0.027
PL-05-15-SL	0.177	U	0.211	-0.184	U	1.39									
PL-05-28-SL	0.206	U,G	0.222	-0.158	U,G	0.902									
PL-06-07-SL	0.286	G	0.206	0.0308	U,G	0.882									
PL-06-13-SL	0.283	G	0.162	0.0308	U,G	0.77									
PL-06-17-SL	0.373	G	0.238	0.191	U,G	0.766									
PL-06-29-SL	0.192		0.155	-0.7	U	1.05									
PL-06-33-SL	0.054	U	0.199	-0.024	U	0.799									
RR-04-07-SL	0.327	G	0.304	-0.042	U,G	1.5	1.34		0.0729	1.13		0.0862	1.29		0.0316
RR-04-15-SL	0.231	U,G	0.234	-0.191	U,G	1.24									
RR-04-25-SL	0.232	G	0.221	0.286	U,G	1.51									
RR-05-05-SL	0.246	G	0.241	-0.43	U,G	1.67	1.17		0.0761	1.24		0.0975	1.07		0.0414
RR-05-05-SL-FD	0.369	G	0.302	-0.403	U,G	1.59	1.36		0.0767	1.16		0.0909	1.19		0.0462
RR-05-15-SL	0.21	U,G	0.215	-0.54	U,G	1.29									
RR-05-25-SL	0.156	U,G	0.234	-0.287	U,G	1.22									
SW-02-01-SL	0.828	G	0.258	-0.0947	U,G	1.03	2.39	M3	0.149	1.71	M3	0.151	2.5		0.0526
SW-02-09-SL	0.288	G	0.179	0.0903	U,G	1.11									
SW-02-15-SL	0.307	G	0.263	0.243	U,G	1.76									
SW-02-23-SL	0.194	G	0.175	0.208	U,G	0.772									
SW-05-08-SL	0.258	G	0.254	-0.39	U,G	1.74									
SW-05-12-SL	0.228	U,G	0.242	0.127	U,G	0.808									
SW-06-05-SL	0.383	G	0.233	0.0664	U,G	0.862									
SW-06-05-SL-FD	0.316	G	0.204	0.351	U,G	0.871									
SW-06-13-SL	0.141	U,G	0.276	0.438	U,G	0.825									
SW-06-23-SL	0.304	G	0.218	-2.27	U,G	1.74									
SW-07-05-SL	0.365	G	0.221	-0.182	U,G	0.893									

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thallium-208			Thorium-227 (G)			Thorium-228 (A)			Thorium-230 (A)			Thorium-232 (A)		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-07-15-SL	0.312	G	0.257	-0.255	U,G	1.12									
SW-07-23-SL	0.228	G	0.22	-2.59	U,G	1.7									
SW-08-03-SL	0.193	U,G	0.224	0.233	U,G	1.19									
SW-08-05-SL	0.204	U,G	0.221	0.351	U,G	1.44									
SW-08-15-SL	0.361	G	0.281	0.216	U,G	1.42									
SW-08-25-SL	0.0647	U	0.172	0.168	U	0.544									

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thorium-234 (G)			Uranium-234 (A)			Uranium-235 (A)			Uranium-235 (G)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Q	Result	MDL
BD-13-09-SL	0.295	U,G	1.73	1.08		0.0244	0.0884	LT	0.027	-0.115	U,G	0.764	0.892		0.023	U,G	0.687	0.762
BD-13-15-SL	0.326	U,G	2.21							-0.368	U,G	0.841				U,G	0.0552	0.771
BD-13-23-SL	1.31	U,G	2.5							-0.155	U,G	0.812				U,G	-0.194	0.706
BD-13-30-SL	1.17	U,G	2.74							0.195	U,G	0.627				U,G	-0.247	0.618
BD-14-05-SL	1.09	U,G	2.13	1.24		0.0141	0.081	LT	0.0166	0.472	U,G	0.738	0.924		0.0073	U,G	-0.12	0.731
BD-14-13-SL	0.331	U,G	2.5							0.0506	U,G	0.686				U,G	0.0294	0.574
BD-14-25-SL	1.17	U	2.44							-0.167	U	0.863				U	-0.327	0.835
BD-14-31-SL	0.683	U	1.84							0.253	U	0.661				U	-0.146	0.629
BD-15-05-SL	-0.252	U,G	2.64							-0.127	U,G	0.739				U,G	-0.356	0.727
BD-15-17-SL	1.45	U,G	2.67							0.322	U,G	0.977				U,G	-0.251	0.928
BD-15-25-SL	1.26	U	2.63							0.253	U	0.573				U	-0.154	0.546
BD-15-31-SL	0.926	U,G	2.06							0.129	U,G	1.02				U,G	-0.0181	0.574
BD-16-05-SL	0.996	U,G	2.22	1.73		0.0457	0.0741	LT	0.0448	0.309	U,G	0.83	0.867		0.0381	U,G	0.0394	0.845
BD-16-15-SL	0.385	U,G	2							0.553	G,TI	0.507				U,G	0.284	0.634
BD-16-19-SL	2.15	U,G	3.41							0.272	U,G	0.828				U,G	-0.106	0.662
BD-16-25-SL	0.546	U,G	1.73							0.309	U,G	0.953				U,G	-0.0341	0.776
BD-16-34-SL	0.947	U,G	1.71							0.156	U,G	0.728				U,G	-0.39	0.828
BLD240-01-01	1.1	U	2.1							0.12	U	0.61				U	-0.37	0.62
BLD240-01-09	0.9	U	2.3							0.23	U	0.75				U	-0.51	0.72
BLD240-01-09FD	-0.6	U	2.8							0.13	U	0.62				U	-0.05	0.46
BLD240-01-31																		
BLD240-03-04	1.32	U	1.58							0.44	U	0.83				U	0.06	0.68
BLD240-03-04FD	0.9	U	2.9							0.09	U	0.75				U	-0.2	0.64
BLD240-03-14																		
BLD240-03-19	0.7	U	2.2							0.36	U	1				U	-0.32	0.85
BLD240-04-02	1.7	U	2.6							0.02	U	0.69				U	0.03	0.5
BLD240-04-04	0.9	U	2.2							0.3	U	0.62				U	-0.33	0.61
BLD240-04-33																		
BLD240-05-01	1.37	U	2.01							-0.08	U	0.88				U	-0.25	0.73
BLD240-05-02	1.6	U	2							-0.4	U	0.89				U	-0.25	0.73
BLD253-02-01	3.7		2.6							0.9	U	2				U	-0.16	0.44
BLD253-02-04	10.9		2.8	172	J	0.0658	7.74	J	0.0454	5.9		0.9	11.1	J	0.0386	U	0.05	0.63
BLD253-02-21FD	1.2	U	2.9							0.5	U	2.3				U	-0.26	0.55
BLD253-02-21																		
BLD255-05-01																		
BLD255-05-23																		
BLD255-07-02	1.7	U	2.6							0.06	U	0.69				U	-0.05	0.48
BLD255-07-15	1.1	U	2							0.37	U	0.81				U	-0.28	0.76
BLD255-07-33																		
BLD255-08-01	17.3		5.3	604	J	0.0578	23.1	J	0.062	13.4		1.1	13.8	J	0.0578	U	-0.22	0.53
BLD255-08-08	0.85	U	1.77							0.34	U	0.77				U	-0.23	0.78
BLD260-06-01	6.9		3	17.8	=	0.0108	0.79	=	0.03	0.87	TI	0.74	5.04	=	0.0209	U	-0.24	0.54
BLD260-06-03	0.6	U	2.2							0.12	U	0.89				U	-0.39	0.86

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thorium-234 (G)			Uranium-234 (A)			Uranium-235 (A)			Uranium-235 (G)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Q	Result	MDL
BLD260-06-31																		
BP-13-05-SL	0.245	U,G	2.62	0.943		0.0215	0.0476	LT	0.017	0.319	U,G	0.664	0.853		0.0075	U,G	-0.702	0.873
BP-13-11-SL	1.41	U,G	2.21							0.084	U,G	0.7				U,G	-0.387	0.733
BP-13-15-SL	0.983	U,G	2.05							-0.142	U,G	0.779				U,G	-0.204	0.756
BP-13-25-SL	1.2	U,G	2.66							0.387	U,G	0.744				U,G	-0.139	0.68
BP-13-35-SL	-0.47	U,G	2.25							0.124	U,G	0.658				U,G	-0.397	0.669
BP-17-05-SL	1.47	U,G	2.4							0.35	U,G	0.856				U,G	-0.266	0.798
BP-17-15-SL	0.486	U	2.32							0.287	U	0.598				U	-0.225	0.676
BP-17-23-SL	1.01	U,G	2.52							-0.256	U,G	0.757				U,G	-0.0951	0.617
BP-17-31-SL	1.27	U,G	2.37							-0.151	U,G	0.939				U,G	-0.223	0.858
BP-18-05-SL	0.269	U,G	2.78							0.177	U,G	0.868				U,G	-0.247	0.716
BP-18-15-SL	1.11	U,G	2.32							0.715	U,G	0.873				U,G	-0.492	1.07
BP-18-25-SL	1.11	U,G	3.46							0.0919	U,G	0.889				U,G	-0.16	0.837
BP-18-31-SL	0.199	U	1.87							-0.115	U	0.523				U	-0.152	0.478
BP-19-05-SL	0.952	U	2.21							0.148	U	0.629				U	0.026	0.506
BP-19-13-SL	-1.29	U	2.75							0.0967	U	0.759				U	-0.279	0.726
BP-19-25-SL	-0.208	U,G	2.36							0.156	U,G	0.631				U,G	-0.173	0.581
BP-19-29-SL	0.313	U	1.47							0.571	U	0.653				U	-0.227	0.682
BP-20-03-SL	1.1	U	1.82							-0.108	U	0.864				U	-0.27	0.734
BP-20-19-SL	0.782	U,G	2.72							0.111	U,G	0.888				U,G	-0.352	0.83
BP-20-27-SL	-0.376	U	2.04							-0.0223	U	0.556				U	-0.0262	0.394
BP-21-07-SL	1.24	U,G	1.76							0.118	U,G	0.727				U,G	-0.315	0.928
BP-21-07-SL-FD	0.145	U	2.76							-0.0517	U	0.886				U	0.176	0.671
BP-21-13-SL	0.746	U	2.3							0.0821	U	0.659				U	-0.111	0.636
BP-21-24-SL	1.66	U,G	2.08							0.176	U,G	0.877				U,G	-0.359	0.948
BP-21-34-SL	0.265	U	2.28							0.469	U	0.554				U	-0.242	0.64
BP-22-05-SL	1.67	U,G	2.84							0.0127	U,G	0.713				U,G	-0.239	0.618
BP-22-13-SL	0.729	U,G	2.55							0.0521	U,G	0.787				U,G	-0.134	0.693
BP-22-23-SL	1.45	U	2.07							0.17	U	0.589				U	-0.239	0.582
BP-22-33-SL	0.349	U	1.52							-0.145	U	0.722				U	-0.024	0.545
CB-02-05-SL	-0.373	U,G	2.77	2.48		0.0368	0.14		0.0297	0.0896	U,G	0.717	1.14		0.0298	U,G	-0.168	0.667
CB-02-05-SL-FD	0.41	U,G	3.12	3.71		0.0233	0.212		0.0104	0.483	U,G	0.924	1.38		0.0089	U,G	-0.15	0.763
CB-02-15-SL	-0.862	U,G	2.96							0.28	U,G	0.699				U,G	-0.0278	0.546
CB-02-25-SL	0.89	U,G	2.84							0.426	U,G	0.812				U,G	-0.435	0.877
DM-02-05-SL	36.3		3.28							9.24		2.32				U	-0.467	0.824
DM-02-17-SL	0.377	U,G	2.78							0.0698	U,G	0.728				U,G	-0.0994	0.687
DM-02-22-SL	28.9		3.35	157		0.0649	6.38		0.0574	8.18		1.27	27.2		0.055	U	-0.215	0.853
DM-02-33-SL	12		3.24							2.91		0.835				U	-0.135	0.561
DM-03-05-SL	0.472	U,G	2.63	0.712		0.0233	0.0574	LT	0.0161	0.0728	U,G	0.687	0.856		0.0165	U,G	-0.153	0.686
DM-03-05-SL-FD	1.49	U,G	2.46	0.439		0.0225	0.0211	U	0.0236	-0.256	U,G	1.01	0.505		0.0201	U,G	-0.487	1.04
DM-03-13-SL	0.591	U,G	2.44							0.118	U,G	0.705				U,G	-0.204	0.701
DM-03-25-SL	1.22	U,G	2.34							0.277	U,G	0.799				U,G	-0.123	0.742
DM-03-34-SL	0.701	U,G	2.12							0.196	U,G	0.555				U,G	-0.0594	0.539

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thorium-234 (G)			Uranium-234 (A)			Uranium-235 (A)			Uranium-235 (G)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Q	Result	MDL
EP-13-03-SL	6.97	J	4.16							1.34	J	0.884				UJ	0.031	0.573
EP-13-13-SL	2.03	U	2.28							0.187	UJ	0.919				UJ	-0.517	1.01
EP-13-25-SL	-1.87	UJ	3.06							0.0234	UJ	0.752				UJ	-0.0527	0.494
EP-13-30-SL	0.466	UJ	2.32							0.362	UJ	0.597				UJ	-0.146	0.551
EP-14-05-SL	1.54	U	1.96							-0.274	UJ	1.12				UJ	0.0489	0.905
EP-14-13-SL	-0.378	UJ	2.98							0.14	UJ	0.757				UJ	-0.123	0.57
EP-14-25-SL	-0.46	UJ	3.34							0.465	U	0.707				UJ	0.162	0.678
EP-14-31-SL	0.902	UJ	2.6							-0.0508	UJ	0.575				UJ	-0.121	0.526
EP-15-05-SL	1.64	U,G	2.98							0.171	U,G	1.9				U,G	-0.443	0.867
EP-15-13-SL	1.89	U,G	3.49							-0.142	U,G	0.944				U,G	-0.256	0.808
EP-15-25-SL	0.0322	U	1.38							0	U	0.707				U	-0.252	0.666
EP-15-29-SL	-1	U	2.69							0.0779	U	0.743				U	-0.13	0.66
EP-16-05-SL	-0.154	U,G	2.68	2.42		0.0164	0.154		0.0099	-0.153	U,G	0.749	1.13		0.0164	U,G	-0.257	0.703
EP-16-15-SL	2.05	U,G	2.79							0.313	U,G	0.708				U,G	-0.289	0.724
EP-16-27-SL	0.341	U	1.69							-0.0704	U	0.547				U	-0.0614	0.341
EP-17-05-SL	1.44	U,G	2.13	2.67		0.0163	0.148		0.0231	0.442	U,G	0.889	1.15		0.0163	U,G	-0.0859	0.801
EP-17-15-SL	1.69	U,G	2.92							0.417	U,G	0.784				U,G	-0.317	0.79
EP-17-25-SL	1.2	U,G	2.54							0.0336	U,G	0.988				U,G	-0.505	1.06
EP-17-30-SL	0.315	U	2.1							-0.272	U	0.686				U	-0.0173	0.468
EP-18-09-SL	10.6	J	3.16							1.61	J	1.01				UJ	-0.437	0.952
EP-18-09-SL-FD	5.07	J	1.96							0.967	U	1.04				UJ	0.507	0.839
EP-18-15-SL	0.61	UJ	2.29							-0.022	UJ	0.775				UJ	-0.0626	0.649
EP-18-29-SL	1.07	UJ	1.97							0.0312	UJ	0.931				UJ	-0.0846	0.789
EP-19-05-SL	10.1	J	2.67							1.49	J	0.738				UJ	-0.0483	0.851
EP-19-13-SL	9.61	J	3.39							1.54	J	0.863				UJ	-0.32	0.832
EP-19-25-SL	-0.586	UJ	2.64							-0.101	UJ	0.724				UJ	-0.282	0.737
EP-19-31-SL	0.382	UJ	1.72							0.331	UJ	0.698				UJ	-0.0248	0.661
EP-20-05-SL	0.224	U,G	2.15							0.315	U,G	0.734				U,G	-0.0422	0.854
EP-20-15-SL	1.64	U,G	2.04							0.0302	U,G	0.865				U,G	0.0987	0.684
EP-20-25-SL	2.64	U,G	3.15							0.0557	U,G	0.78				U,G	-0.016	0.818
LF-06-05-SL	-0.113	U,G	2.75	5.62		0.0338	0.24		0.0261	0.356	U,G	0.607	1.42		0.015	U,G	-0.368	0.77
LF-06-13-SL	2.34	G,TI	2.32							0.0298	U,G	0.709				U,G	0.713	0.768
LF-06-27-SL	0.414	U,G	1.82							0.0141	U,G	0.75				U,G	0.0415	0.7
LF-06-32-SL	0.249	U,G	1.7							-0.282	U,G	0.651				U,G	-0.24	0.596
LF--07-09-SL	1.59	U,G	2.47							0.159	U,G	0.742				U,G	-0.166	0.624
LF-07-15-SL	0.772	U,G	2.44							-0.149	U,G	0.731				U,G	-0.404	0.835
LF-07-25-SL	-0.0918	U,G	2.33							0.385	U,G	0.836				U,G	-0.253	0.748
LF-07-34-SL	1.41	U,G	2.14							0.121	U,G	0.829				U,G	-0.251	0.728
LF-08-05-SL	0.819	U,G	2.31							0.188	U,G	0.885				U,G	-0.371	0.926
LF-08-05-SL-FD	2.04	U,G	2.68							0.4	U,G	0.676				U,G	-0.269	0.687
LF-08-15-SL	0.746	U,G	2.42							0.3	U,G	0.682				U,G	-0.42	0.728
LF-08-21-SL	0.234	U,G	2.64							0.0309	U,G	0.909				U,G	0.0337	0.754
LF-08-37-SL	-0.374	U,G	1.54							-0.204	U,G	0.758				U,G	-0.328	0.736

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thorium-234 (G)			Uranium-234 (A)			Uranium-235 (A)			Uranium-235 (G)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Q	Result	MDL
LF-09-03-SL	1.37	U,G	3.01							0.21	U,G	1.6				U,G	-0.276	0.657
LF-09-17-SL	-0.438	U,G	3.2							-0.177	U,G	0.968				U,G	-0.274	0.907
LF-09-25-SL	0.492	U,G	3.08							0.174	U,G	0.736				U,G	-0.299	0.633
LF-09-31-SL	0.691	U,G	1.9							0.29	U,G	0.635				U,G	-0.0314	0.623
NB-28-04-SL	0.368	U,G	2.79							0.126	U,G	0.75				U,G	-0.458	0.864
NB-28-14-SL	0.61	U,G	1.82							0.0606	U,G	0.88				U,G	-0.321	0.912
NB-28-24-SL	0.649	U,G	1.97							-0.0672	U,G	0.689				U,G	-0.199	0.659
NB-28-35-SL	0.451	U,G	1.8							0.161	U,G	0.617				U,G	-0.161	0.585
NB-29-05-SL	0.487	U,G	2.14							0	U,G	0.877				U,G	-0.366	0.848
NB-29-14-SL	-0.592	U,G	1.37							0.117	U,G	0.568				U,G	-0.159	0.523
NB-29-22-SL	0.709	U	1.29							0.0182	U	0.486				U	-0.105	0.495
NB-30-05-SL	-0.528	U,G	3.46	0.917		0.035	0.0363	LT	0.0291	0.123	U,G	0.966	0.884		0.0278	U,G	-0.385	0.867
NB-30-15-SL	2.74	U,G	3.51							0.237	U,G	0.894				U,G	-0.373	0.854
NB-30-25-SL	0.644	U,G	2.06							0.412	U,G	0.777				U,G	-0.379	0.966
NB-30-33-SL	0.498	U,G	2.48							0.451	U,G	0.69				U,G	-0.00263	0.649
NB-31-05-SL	0.806	U,G	2							0.101	U,G	0.932				U,G	-0.612	1.14
NB-31-15-SL	1.3	U,G	2.58	0.923		0.0222	0.0356	LT	0.0193	0.237	U,G	0.718	0.847		0.0243	U,G	-0.259	0.704
NB-31-27-SL	1.06	U,G	2.48							-0.197	U,G	0.923				U,G	-0.242	0.73
NB-31-32-SL	1.54	U,G	1.75							-0.118	U,G	0.857				U,G	-0.29	0.745
NB-32-05-SL	-1.12	U,G	2.21							-0.0627	U,G	0.948				U,G	-0.174	0.79
NB-32-15-SL	1.08	U,G	1.56							0.243	U,G	0.857				U,G	-0.277	0.926
NB-32-27-SL	0.875	U,G	2.48							0.0262	U,G	0.709				U,G	-0.649	0.817
NB-32-33-SL	0.00358	U,G	1.68							0.174	U,G	0.68				U,G	-0.0741	0.694
NB-33-05-SL	-0.754	U,G	2.64							0.17	U,G	0.799				U,G	-0.191	0.66
NB-33-15-SL	0.808	U,G	1.99							0.184	U,G	0.95				U,G	0.00436	0.773
NB-33-27-SL	-0.136	U	2.2							0.31	U	0.49				U	-0.0814	0.452
NB-34-05-SL	1.3	U,G	1.86							0.186	U,G	0.949				U,G	-0.181	0.851
NB-34-15-SL	1.96	U,G	2.67							-0.0445	U,G	0.792				U,G	0	0.594
NB-34-25-SL	0.286	U	1.6							0.226	U	0.59				U	-0.0286	0.601
NB-35-01-SL	1.16	U,G	2.38							-0.123	U,G	0.965				U,G	-0.299	0.768
NB-35-15-SL	0.684	U,G	1.56							0.0587	U,G	0.932				U,G	-0.215	0.829
NB-35-25-SL	0.249	U,G	3.08							0.126	U,G	0.77				U,G	0.0767	0.631
NB-36-05-SL	-0.685	U,G	2.96	0.753		0.0154	0.0518	LT	0.0094	-0.175	U,G	0.676	0.83		0.0154	U,G	-0.473	0.794
NB-36-15-SL	1.51	U,G	2.38	0.976		0.0319	0.0268	LT	0.0228	0.202	U,G	0.802	0.794		0.0219	U,G	-0.298	0.846
NB-36-27-SL	1.06	U	1.83							-0.478	U	0.924				U	-0.191	0.669
NB-37-05-SL	1.27	U,G	2.41							-0.0845	U,G	0.873				U,G	-0.114	0.771
NB-37-15-SL	1.33	U,G	2.43							-0.348	U,G	0.933				U,G	-0.309	0.909
NB-37-25-SL	0.0649	U,G	2.3							0.235	U,G	0.665				U,G	-0.242	0.801
NB-38-09-SL	1.62	U,G	1.92							-0.0128	U,G	0.676				U,G	0.201	0.547
NB-38-15-SL	0.373	U	1.86							-0.36	U	0.695				U	0.0183	0.63
NB-38-25-SL	1.76	U	2.06							-0.0766	U	0.706				U	0.628	0.674
NB-39-05-SL	1.09	U,G	3.51							0.233	U,G	0.914				U,G	0.142	0.665
NB-39-15-SL	1.86	U,G	2.62							0.276	U,G	0.677				U,G	-0.145	0.565

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thorium-234 (G)			Uranium-234 (A)			Uranium-235 (A)			Uranium-235 (G)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Q	Result	MDL
NB-39-25-SL	1.4	U,G	1.84							0.143	U,G	0.771				U,G	-0.21	0.792
NB-39-30-SL	1.92	U,G	3.71							-0.194	U,G	0.879				U,G	-0.0965	0.632
NB-40-05-SL	1.23	U,G	2.04							-0.029	U,G	0.828				U,G	-0.345	0.861
NB-40-05-SL-FD	-0.399	U	1.74							-0.268	U	0.676				U	-0.218	0.633
NB-40-17-SL	1.64	U,G	3.7							-0.0836	U,G	0.874				U,G	-0.254	0.811
NB-40-25-SL	0.165	U	1.37							0.128	U	0.654				U	-0.294	0.682
NB-40-31-SL	-0.251	U	1.48							0.252	U	0.543				U	-0.148	0.55
NB-41-05-SL	0.45	U	2.53							-0.202	U	0.872				U	-0.133	0.696
NB-41-13-SL	1.2	U	1.25							0.204	U	0.59				U	-0.198	0.627
NB-41-19-SL	0.256	U,G	1.63							0.322	U,G	0.632				U,G	0.1	0.612
NB-42-05-SL	1.26	U,G	2.47							0.133	U,G	0.666				U,G	-0.283	0.669
NB-42-13-SL	0.585	U	1.47							0.0746	U	0.668				U	-0.167	0.567
NB-42-23-SL	0.0696	U	1.42							0.209	U	0.487				U	-0.0632	0.514
NB-43-05-SL	2.39	U,G	2.52							0.102	U,G	0.64				U,G	-0.266	0.607
NB-43-13-SL	0.669	U	2.29							-0.0449	U	0.624				U	0.00673	0.472
NB-44-05-SL	0.519	U	1.33	0.494		0.0213	0.0344	LT	0.0169	0.0978	U	0.624	0.474		0.0144	U	-0.056	0.523
NB-44-05-SL-FD	0.0111	U,G	1.51	0.381		0.0195	0.0258	LT	0.0087	0.0384	U,G	0.563	0.353		0.0144	U,G	-0.098	0.559
NB-44-11-SL	0.734	U	1.58							0.133	U	0.44				U	-0.0651	0.392
NB-44-18-SL	0.701	U	2.02							0.16	U	0.537				U	-0.0819	0.542
NB-45-05-SL	1.26	U,G	2.04							0.556	U,G	0.864				U,G	0.201	0.746
NB-45-05-SL-FD	1.56	U,G	2.48							-0.264	U,G	0.971				U,G	0.113	0.707
NB-45-13-SL	1.27	U,G	2.22							-0.155	U,G	0.886				U,G	-0.231	0.888
NB-45-25-SL	0.379	U,G	2.21							-0.0654	U,G	0.975				U,G	-0.136	0.829
NB-45-33-SL	0.202	U	1.7							0.112	U	0.56				U	-0.187	0.587
NB-46-09-SL	1.42	U	1.83							-0.518	U	0.866				U	-0.246	0.809
NB-46-17-SL	0.196	U,G	1.8							0.275	U,G	0.578				U,G	0.00324	0.573
NB-46-25-SL	1.07	U,G	3.22							0.108	U,G	0.887				U,G	-0.202	0.705
NB-46-29-SL	1.41	U,G	2.93							0.243	U,G	0.607				U,G	-0.282	0.652
NB-47-05-SL	0.126	U	2.5							0.122	U	0.612				U	-0.328	0.695
NB-47-15-SL	0.886	U,G	3.16							-0.00446	U,G	0.716				U,G	-0.223	0.642
NB-47-25-SL	1.35	U,G	2.55							0	U,G	1.05				U,G	-0.454	1.08
NB-47-31-SL	1.16	U,G	3.09							0.342	U,G	0.826				U,G	-0.324	0.666
NB-48-05-SL	1.41	U,G	2.69							0.262	U,G	0.783				U,G	-0.304	0.781
NB-48-11-SL	0.556	U,G	2.48							-0.0969	U,G	0.743				U,G	-0.211	0.769
NB-48-15-SL	0.917	U,G	2.5							0.546	U,G	0.758				U,G	-0.509	1.01
NB-48-25-SL	0.961	U,G	2.8							0.28	U,G	0.694				U,G	-0.437	0.73
NB-48-35-SL	1.03	U,G	2.59							0.37	U,G	0.686				U,G	-0.161	0.651
NB-49-05-SL	-1.9	U,G	3.5							0.595	U,G	0.773				U,G	-0.0534	0.844
NB-49-05-SL-FD	0.982	U,G	2.12							-0.18	U,G	0.861				U,G	-0.172	0.797
NB-49-15-SL	1.44	U,G	2.92							0.0292	U,G	0.835				U,G	0.49	1.1
NB-49-25-SL	-0.552	U,G	2.93							-0.101	U,G	0.767				U,G	-0.132	1
NB-49-37-SL	0.0495	U,G	1.85							-0.0869	U,G	0.738				U,G	-0.294	0.8
NB-50-05-SL	1.13	U,G	2.85							0.194	U,G	0.903				U,G	-0.416	0.787

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thorium-234 (G)			Uranium-234 (A)			Uranium-235 (A)			Uranium-235 (G)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Q	Result	MDL
NB-50-15-SL	1.06	U,G	2.29							0.0268	U,G	0.727				U,G	-0.383	0.844
NB-50-25-SL	-0.534	U,G	2.09							0.363	U,G	0.891				U,G	-0.0434	0.803
NB-50-37-SL	0.608	U	2.2							-0.146	U	0.575				U	-0.11	0.511
NB-51-05-SL	0.995	U,G	2.4	0.83		0.0213	0.0458	LT	0.0096	0.189	U,G	0.608	0.813		0.0189	U,G	-0.158	0.625
NB-51-13-SL	0.534	U,G	3.26							0.773	U,G	0.795				U,G	-0.186	0.792
NB-51-25-SL	-0.862	U,G	2.89							0.0704	U,G	0.792				U,G	-0.302	0.806
NB-51-37-SL	0.77	U,G	2.76							0.312	U,G	0.648				U,G	-0.03	0.556
NB-52-05-SL	0.496	U,G	1.73							0.0632	U,G	0.955				U,G	-0.811	1.13
NB-52-13-SL	0.625	U,G	3.24							0.172	U,G	0.82				U,G	0.0996	0.701
NB-52-25-SL	-0.984	U,G	2.87							-0.204	U,G	0.819				U,G	-0.507	0.812
NB-52-35-SL	0.515	U,G	1.48							0.425	U,G	0.729				U,G	-0.026	0.648
NB-53-05-SL	1.3	U,G	3.12							0.149	U,G	0.636				U,G	0.0666	0.461
NB-53-13-SL	-0.256	U,G	2.62							0.112	U,G	0.702				U,G	0.208	0.538
NB-53-23-SL	1.57	U,G	2							0.413	U,G	0.658				U,G	-0.34	1
NB-53-33-SL	0.83	U,G	2.06							0.201	U,G	0.567				U,G	-0.293	0.718
NB-54-05-SL	1.32	U,G	3.35							0.246	U,G	0.857				U,G	-0.326	0.878
NB-54-13-SL	1.23	U,G	3.67							0.418	U,G	0.788				U,G	-0.107	0.707
NB-54-25-SL	1.23	U,G	2.25							-0.0609	U,G	0.908				U,G	-0.13	0.806
NB-54-31-SL	0.211	U	1.44							0.0826	U	0.475				U	-0.232	0.57
NB-55-05-SL	1.57	U,G	2.14	0.836		0.0299	0.059	LT	0.0166	0.119	U,G	0.899	0.9		0.0141	U,G	-0.447	0.939
NB-55-13-SL	1.8	U,G	2.86							0.165	U,G	0.798				U,G	-0.101	0.674
NB-55-25-SL	0.189	U,G	1.46							-0.231	U,G	0.788				U,G	-0.256	0.827
NB-55-33-SL	0.343	U	1.88							-0.064	U	0.554				U	0.0149	0.351
NB-56-05-SL	-0.36	U	2.51							-0.104	U	0.651				U	-0.386	0.662
NB-56-13-SL	1.08	U,G	3.03							0.0556	U,G	0.83				U,G	-0.499	0.895
NB-56-25-SL	0.433	U,G	1.77							0.409	U,G	0.683				U,G	-0.0961	0.683
NB-56-33-SL	0.374	U	2.11							0.165	U	0.655				U	-0.258	0.598
NB-57-05-SL	1.6	U,G	2.91							-0.141	U,G	0.895				U,G	0.165	0.69
NB-57-05-SL-FD	-0.127	U,G	2.74							-0.0271	U,G	0.882				U,G	-0.34	0.767
NB-57-15-SL	-0.752	U,G	3.14							0.0813	U,G	0.881				U,G	-0.51	0.82
NB-57-29-SL	1.86	U,G	2.55							-0.23	U,G	0.747				U,G	-0.176	0.625
NB-57-34-SL	1.05	U,G	2.2							0.186	U,G	0.739				U,G	-0.394	0.733
NB-58-05-SL	-0.115	U,G	2.51							0.111	U,G	0.658				U,G	-0.395	0.714
NB-58-15-SL	0.889	U,G	3.2							0	U,G	0.921				U,G	-0.184	0.765
NB-58-29-SL	1.48	U,G	2.53							-0.045	U,G	0.75				U,G	-0.481	0.77
NB-58-36-SL	1.03	U,G	2.5							-0.052	U,G	0.755				U,G	-0.269	0.771
NB-59-05-SL	1.64	U,G	3.21							0.144	U,G	0.67				U,G	-0.211	0.692
NB-59-13-SL	0.651	U,G	2.15							-0.11	U,G	0.896				U,G	-0.313	0.781
NB-59-25-SL	1.41	U,G	2.77							-0.208	U,G	0.735				U,G	-0.379	0.685
NB-59-31-SL	0.827	U,G	2.06							-0.144	U,G	0.825				U,G	0.305	0.617
NB-60-05-SL	-0.876	U,G	2.73							0.25	U,G	0.629				U,G	-0.0961	0.603
NB-60-13-SL	1.06	U,G	2.25							-0.0992	U,G	0.918				U,G	-0.145	0.901
NB-60-23-SL	0.598	U,G	2.11							0.293	U,G	0.67				U,G	0.118	0.802

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thorium-234 (G)			Uranium-234 (A)			Uranium-235 (A)			Uranium-235 (G)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Q	Result	MDL
NB-60-31-SL	1.44	U,G	2.07							-0.157	U,G	0.846				U,G	-0.0757	0.71
NB-61-05-SL	0.152	U,G	3.06							0.0817	U,G	0.855				U,G	-0.323	0.87
NB-61-13-SL	0.938	U,G	2.22							-0	U,G	0.889				U,G	-0.41	0.915
NB-61-23-SL	0.874	U,G	3.28							0.0262	U,G	0.851				U,G	-0.272	0.788
NB-61-28-SL	1.18	U	2.01							0.129	U	0.602				U	0.0269	0.404
NB-62-05-SL	1.35	U,G	1.67							0.364	U,G	0.773				U,G	-0.234	0.929
NB-62-12-SL	1.34	U,G	1.74							-0.125	U,G	0.594				U,G	-0.172	0.559
NB-62-22-SL	0.0409	U,G	1.35							0.513	U,G	0.536				U,G	0.184	0.567
NB-63-05-SL	0.781	U,G	2.31	0.738		0.0188	0.035	LT	0.0095	0.162	U,G	0.84	0.736		0.0156	U,G	-0.469	0.944
NB-63-13-SL	-0.568	U,G	2.51							-0.0274	U,G	0.699				U,G	-0.0349	0.662
NB-63-19-SL	0.518	U	2.01							0.0692	U	0.522				U	-0.189	0.56
NB-64-05-SL	0.434	U,G	2.61							0.329	U,G	0.748				U,G	0	0.661
NB-64-13-SL	0.111	U,G	1.46							0.0299	U,G	0.703				U,G	-0.19	0.586
NB-64-17-SL	0.0826	U,G	1.86							0.233	U,G	0.457				U,G	-0.113	0.532
NB-65-05-SL	0.889	U,G	2.36							0.177	U,G	0.65				U,G	-0.48	0.83
NB-65-13-SL	0.275	U,G	2.45							-0.153	U,G	0.719				U,G	-0.522	0.784
NB-65-17-SL	0.578	U,G	1.95							0.151	U,G	0.709				U,G	-0.017	0.54
NB-66-05-SL	0.395	U,G	1.8							-0.214	U,G	0.943				U,G	0.121	0.752
NB-66-05-SL-FD	1.21	U,G	2.23							-0.0776	U,G	1.02				U,G	-0.251	0.816
NB-66-15-SL	1.05	U,G	2.68							0.0569	U,G	0.802				U,G	-0.14	0.711
NB-66-19-SL	1.04	U	1.86							0.0116	U	0.604				U	-0.0543	0.492
NB-67-05-SL	1.29	U,G	1.82							0.228	U,G	0.845				U,G	-0.0872	0.812
NB-67-11-SL	0.225	U,G	1.61							-0.292	U,G	0.627				U,G	-0.193	0.561
NB-67-21-SL	0.883	U	1.91							-0.179	U	0.659				U	0.0352	0.441
NB-68-05-SL	0.473	U,G	2.02							0.362	U,G	0.654				U,G	0.622	0.729
NB-68-13-SL	0.97	U,G	1.44							0	U,G	0.88				U,G	0.0166	0.621
NB-68-17-SL	0.554	U,G	2.12							0.279	U,G	0.751				U,G	-0.254	0.832
NB-68-25-SL	0.705	U,G	2.78							0.361	U,G	0.684				U,G	0.0347	0.579
NB-68-33-SL	0.00268	U,G	1.54							-0.0285	U,G	0.67				U,G	0.0642	0.51
NB-69-05-SL	1.38	U,G	1.76							-0.539	U,G	0.695				U,G	-0.211	0.814
NB-69-15-SL	-0.202	U,G	1.54							0.0896	U,G	0.584				U,G	-0.165	0.624
NB-69-22-SL	0.875	U,G	2.48							-0.0627	U,G	0.775				U,G	-0.0229	0.882
NB-69-34-SL	0.311	U	1.64							-0.254	U	0.679				U	0.0124	0.598
NB-70-05-SL	0.447	U,G	1.88							-0.248	U,G	0.711				U,G	0.0336	0.778
NB-70-15-SL	1.16	U,G	2.39							0.143	U,G	0.718				U,G	-0.384	0.71
NB-70-23-SL	1.16	U,G	2.09							-0.121	U,G	0.755				U,G	0.39	0.796
NB-70-33-SL	0.349	U,G	1.99							0.0827	U,G	0.698				U,G	0.139	0.764
NB-71-01-SL	-0.0329	U,G	3.17	1.7		0.0399	0.058	LT	0.021	0.184	U,G	0.737	0.838		0.0268	U,G	-0.268	0.718
NB-71-01-SL-FD	1.78	U,G	3.96	1.09		0.0232	0.063	LT	0.0095	0.209	U,G	0.901	0.879		0.0156	U,G	-0.211	0.696
NB-71-11-SL	0.762	U,G	1.83							0.115	U,G	0.855				U,G	-0.53	1.04
NB-71-27-SL	0.407	U,G	1.95							-0.00872	U,G	0.691				U,G	-0.0228	0.48
NB-72-05-SL	0.52	U,G	2.55							0.193	U,G	0.717				U,G	0.0759	0.543
NB-72-11-SL	0.616	U,G	2.05							-0.0366	U,G	0.822				U,G	0.191	0.587

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thorium-234 (G)			Uranium-234 (A)			Uranium-235 (A)			Uranium-235 (G)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Q	Result	MDL
NB-72-19-SL	0.346	U	1.74							-0.392	U	0.616				U	0.0667	0.627
NB-72-22-SL	0.444	U	1.19							0	U	0.691				U	0.131	0.461
NB-73-05-SL	0.558	U,G	1.49							0.426	U,G	0.753				U,G	0.157	0.691
NB-73-13-SL	0.55	U,G	1.61							0.364	U,G	0.55				U,G	-0.0214	0.594
NB-73-23-SL	0.516	U	1.66							0.109	U	0.684				U	-0.224	0.65
NB-74-05-SL	0.995	U,G	2.06							0.359	U,G	0.726				U,G	0.594	0.753
NB-74-17-SL	-0.458	U,G	3.16							-0.0767	U,G	0.799				U,G	-0.163	0.629
NB-74-25-SL	-0.127	U,G	2.86							0.0276	U,G	0.812				U,G	-0.579	0.828
NB-74-33-SL	-0.299	U,G	1.78							-0.0592	U,G	0.564				U,G	-0.111	0.485
NB-75-08-SL	1.32	U,G	2.7							-0.232	U,G	0.719				U,G	-0.324	0.595
NB-75-15-SL	0.685	U,G	2.45							-0.34	U,G	0.822				U,G	-0.784	0.882
NB-75-19-SL	0.753	U	1.79							0.0742	U	0.54				U	0.11	0.362
NB-76-06-SL	-0.551	U,G	2.34							-0.125	U,G	0.761				U,G	-0.0488	0.482
NB-76-10-SL	-0.278	U	1.74							0.125	U	0.486				U	-0.0802	0.485
NB-76-24-SL	-0.133	U	1.42							0.128	U	0.675				U	0.0961	0.404
NB-77-05-SL	0.0216	U,G	1.52							0.0368	U,G	0.617				U,G	0.0555	0.506
NB-77-13-SL	0.519	U	2.05							-0.0634	U	0.678				U	-0.211	0.625
NB-77-24-SL	0.431	U	1.92							0.0176	U	0.52				U	-0.223	0.556
NB-78-07-SL	0.824	U,G	2.4	0.736		0.0432	0.0446	LT	0.0243	0.234	U,G	0.856	0.689		0.0344	U,G	0.0561	0.788
NB-78-11-SL	-0.0654	U,G	1.58							0.0865	U,G	0.619				U,G	0.206	0.528
NB-78-18-SL	1.57	U,G	2.37							0.228	U,G	0.641				U,G	-0.104	0.658
NB-79-05-SL	-0.352	U,G	1.75							0.238	U,G	0.761				U,G	0.132	0.696
NB-79-05-SL-FD	0.637	U,G	2.56							0.25	U,G	0.56				U,G	-0.249	0.659
NB-79-11-SL	0.688	U,G	2.11							0.238	U,G	0.774				U,G	-0.248	0.766
NB-79-24-SL	0.793	U	2.08							0.199	U	0.557				U	0.0269	0.506
NB-80-05-SL	0.416	U,G	2.01							-0.141	U,G	0.905				U,G	-0.451	0.806
NB-80-11-SL	-0.197	U,G	1.37							-0.0166	U,G	0.682				U,G	0.336	0.744
NB-80-27-SL	0.0142	U,G	2.74							0.367	U,G	0.62				U,G	-0.0374	0.679
NB-81-09-SL	0.527	U,G	2.45	0.713		0.0175	0.0228	LT	0.0088	0.148	U,G	0.68	0.771		0.0175	U,G	-0.0684	0.604
NB-81-11-SL	-1.13	U,G	2.69							0.125	U,G	0.706				U,G	-0.403	0.833
NB-81-31-SL	0.265	U,G	1.62							0.00982	U,G	0.623				U,G	0.11	0.57
NB-82-05-SL	1.41	U,G	3.02							-0.114	U,G	0.967				U,G	-0.182	0.774
NB-82-11-SL	0.341	U	1.41							-0.45	U	0.633				U	-0.127	0.644
NB-82-20-SL	-0.243	U	1.85							0.116	U	0.582				U	-0.0818	0.513
NB-83-05-SL	1.3	U,G	2.43							0.146	U,G	0.951				U,G	-0.149	0.912
NB-83-11-SL	-0.089	U,G	2.19							-0.285	U,G	0.643				U,G	-0.359	0.62
NB-83-23-SL	0.828	U	2.01							0.108	U	0.505				U	-0.0543	0.452
NB-84-05-SL	1.69	U,G	2.63							0.285	U,G	0.974				U,G	0.06	0.842
NB-84-15-SL	-0.402	U,G	1.7							-0.465	U,G	0.754				U,G	-0.105	0.749
NB-84-23-SL	-0.0642	U,G	2.23							-0.232	U,G	0.669				U,G	-0.0168	0.42
NB-84-33-SL	0.639	U	1.92							-0.0484	U	0.594				U	0.095	0.475
NB-85-05-SL	0.552	U,G	2.96							0.341	U,G	0.875				U,G	-0.425	0.9
NB-85-15-SL	1.78	U,G	2.62							0.343	U,G	0.746				U,G	-0.0525	0.745

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thorium-234 (G)			Uranium-234 (A)			Uranium-235 (A)			Uranium-235 (G)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Q	Result	MDL
NB-85-25-SL	1.07	U,G	2.87							-0.0402	U,G	0.826				U,G	-0.295	0.802
NB-85-35-SL	-0.381	U	1.8							0.184	U	0.474				U	-0.157	0.493
NB-86-05-SL	1.22	U,G	2.55							0.674	U,G	0.861				U,G	0.411	0.687
NB-86-15-SL	0.678	U,G	2.71							-0.00956	U,G	0.84				U,G	-0.214	0.744
NB-86-19-SL	1.24	U,G	2.53							0.0694	U,G	0.623				U,G	0	0.522
OA-18-03-SL	0.942	U	2.14	0.747		0.0281	0.0233	LT	0.009	0.0943	U	0.639	0.787		0.0221	U	-0.419	0.725
OA-18-17-SL	2.05	U,G	2.53							0.319	U,G	0.611				U,G	-0.0552	0.895
OA-18-25-SL	0.653	U,G	1.88							-0.251	U,G	0.997				U,G	-0.13	0.791
OA-18-33-SL	1.9	U	2.02							0.0515	U	0.568				U	-0.235	0.586
OA-19-05-SL	0.859	U	1.77							0.305	U	0.828				U	-0.249	0.819
OA-19-15-SL	0.74	U,G	2							0.144	U,G	0.652				U,G	-0.284	0.654
OA-19-25-SL	1.64	U,G	2.09							0.085	U,G	0.857				U,G	0.137	0.604
OA-19-33-SL	0.0993	U	1.99							0.199	U	0.499				U	0.0277	0.482
PL-04-05-SL	1.71	U,G	3.39	4.44		0.0362	0.25		0.0288	0.29	U,G	0.898	1.21		0.0311	U,G	-0.22	0.791
PL-04-13-SL	1.1	U,G	2.07							-0.146	U,G	0.882				U,G	-0.14	0.885
PL-04-23-SL	1.04	U	2.99							0.643	U	0.691				U	-0.353	0.738
PL-04-31-SL	0.756	U,G	2.08							0.15	U,G	0.688				U,G	-0.393	0.695
PL-05-05-SL	-0.0835	U,G	2.85	1.08		0.0277	0.111		0.0246	-0.179	U,G	0.771	0.899		0.0154	U,G	-0.0572	0.529
PL-05-15-SL	-0.178	U	2.95							0.0516	U	0.847				U	-0.157	0.645
PL-05-28-SL	-0.29	U,G	2.73							0.421	U,G	0.585				U,G	-0.506	0.781
PL-06-07-SL	-0.461	U,G	2.77							-0.0265	U,G	0.662				U,G	0.0347	0.612
PL-06-13-SL	-1.09	U,G	2.67							0.317	U,G	0.717				U,G	-0.438	0.771
PL-06-17-SL	1.05	U,G	2.57							-0.0407	U,G	0.762				U,G	-0.0721	0.644
PL-06-29-SL	-0.266	U	1.52							0.0493	U	0.592				U	0.0734	0.533
PL-06-33-SL	-0.463	U	2.37							-0.0483	U	0.671				U	-0.138	0.508
RR-04-07-SL	0.348	U,G	2.15	0.751		0.0216	0.0561	LT	0.0188	-0.0326	U,G	1.04	0.76		0.0216	U,G	-0.00465	0.897
RR-04-15-SL	0.263	U,G	2.78							0.113	U,G	0.689				U,G	-0.0299	0.554
RR-04-25-SL	1.35	U,G	1.77							0.19	U,G	0.881				U,G	-0.0362	0.763
RR-05-05-SL	1.07	U,G	3.6	2.8		0.0194	0.157		0.0229	0.571	U,G	0.874	1.28		0.0194	U,G	-0.176	0.723
RR-05-05-SL-FD	1.03	U,G	2.7	3.06		0.025	0.165		0.0294	0.451	U,G	0.917	1.28		0.0202	U,G	-0.194	0.879
RR-05-15-SL	-0.382	U,G	2.95							0.167	U,G	0.686				U,G	-0.221	0.639
RR-05-25-SL	0.333	U,G	3.14							0.151	U,G	0.912				U,G	0	0.715
SW-02-01-SL	22.5	G	4.79	240		0.0828	12.8		0.0606	8.64	G	1.18	20.1		0.0579	U,G	-0.448	0.785
SW-02-09-SL	2.06	U,G	3.2							-0.0388	U,G	0.728				U,G	0.0305	0.509
SW-02-15-SL	2.55	U,G	3.42							0.49	U,G	0.875				U,G	-0.23	0.815
SW-02-23-SL	-0.394	U,G	2.66							0.371	U,G	0.609				U,G	-0.151	0.606
SW-05-08-SL	1.59	U,G	2.63							0.144	U,G	0.764				U,G	-0.128	0.868
SW-05-12-SL	-0.161	U,G	2.71							0.335	U,G	0.637				U,G	-0.131	0.595
SW-06-05-SL	1.14	U,G	2.11							0.532	U,G	0.695				U,G	-0.33	0.695
SW-06-05-SL-FD	0.334	U,G	2.49							0.0182	U,G	0.663				U,G	-0.164	0.701
SW-06-13-SL	1.25	U,G	1.77							0.493	U,G	0.786				U,G	0.125	0.892
SW-06-23-SL	2.95	G,TI	2.03							-0.0151	U,G	0.728				U,G	-0.176	0.859
SW-07-05-SL	1.36	U,G	2.88	0.87		0.0216	0.0414	LT	0.0171	-0.165	U,G	0.741	0.829		0.0075	U,G	0	0.648

Table H.11 Radionuclides in Subsurface Soil (pCi/g)

Sample ID	Thorium-234 (G)			Uranium-234 (A)			Uranium-235 (A)			Uranium-235 (G)			Uranium-238 (A)			Zinc-65		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Q	Result	MDL
SW-07-15-SL	1.87	U,G	2.52							0.198	U,G	0.855				U,G	0.0476	0.881
SW-07-23-SL	0.491	U,G	2.11							-0.151	U,G	0.821				U,G	-0.00378	0.686
SW-08-03-SL	0.605	U,G	1.85							-0.422	U,G	0.979				U,G	-0.319	0.923
SW-08-05-SL	0.944	U,G	2.84							0.111	U,G	0.889				U,G	-0.364	0.891
SW-08-15-SL	0.377	U,G	2.24							-0.0335	U,G	0.943				U,G	-0.0431	0.847
SW-08-25-SL	-0.518	U	2.1							-0.0476	U	0.539				U	-0.126	0.443

Table H.12a Organics (Base Neutral Acids) in Surface Water (µg/L)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	10	U	T	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T
SW-02-SW	9.7	U	T	9.7	U	T	48	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-08-SW	9.9	U	T	9.9	U	T	49	U	T	9.9	U	T	9.9	U	T	9.9	U	T
SW-08-SW-FD	9.7	U	T	9.7	U	T	49	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-09-SW	10	U	T	10	U	T	51	U	T	10	U	T	10	U	T	10	U	T
SW-14-SW	9.7	U	T	9.7	U	T	49	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-15-SW	9.6	U	T	9.6	U	T	48	U	T	9.6	U	T	9.6	U	T	9.6	U	T
SW-16-SW	9.4	U	T	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T
US-01-SW	9.4	U	T	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T
US-02-SW	9.5	U	T	9.5	U	T	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T
US-03-SW	10	U	T	10	U	T	51	U	T	10	U	T	10	U	T	10	U	T
US-04-SW	9.5	U	T	9.5	U	T	48	U	T	9.5	U	T	9.5	U	T	9.5	U	T
US-05-SW	10	U	T	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T	52	U	T
SW-02-SW	48	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	48	U	T
SW-08-SW	49	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	49	U	T
SW-08-SW-FD	49	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	49	U	T
SW-09-SW	51	U	T	10	U	T	10	U	T	10	U	T	10	U	T	51	U	T
SW-14-SW	49	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	49	U	T
SW-15-SW	48	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	48	U	T
SW-16-SW	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	47	U	T
US-01-SW	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	47	U	T
US-02-SW	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	47	U	T
US-03-SW	51	U	T	10	U	T	10	U	T	10	U	T	10	U	T	51	U	T
US-04-SW	48	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	48	U	T
US-05-SW	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T	52	U	T

Table H.12a Organics (Base Neutral Acids) in Surface Water (µg/L)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-02-SW	9.7	U	T	48	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-08-SW	9.9	U	T	49	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T
SW-08-SW-FD	9.7	U	T	49	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-09-SW	10	U	T	51	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-14-SW	9.7	U	T	49	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-15-SW	9.6	U	T	48	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T
SW-16-SW	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
US-01-SW	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
US-02-SW	9.5	U	T	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
US-03-SW	10	U	T	51	U	T	10	U	T	10	U	T	10	U	T	10	U	T
US-04-SW	9.5	U	T	48	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
US-05-SW	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachloro benzene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	10	U	T	10	U	T	10	U	T	0.97	J	T	10	U	T	10	U	T
SW-02-SW	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-08-SW	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T
SW-08-SW-FD	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-09-SW	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-14-SW	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-15-SW	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T
SW-16-SW	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
US-01-SW	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
US-02-SW	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
US-03-SW	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
US-04-SW	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
US-05-SW	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T

Table H.12a Organics (Base Neutral Acids) in Surface Water (µg/L)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-02-SW	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-08-SW	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T
SW-08-SW-FD	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-09-SW	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-14-SW	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-15-SW	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T
SW-16-SW	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
US-01-SW	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
US-02-SW	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
US-03-SW	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
US-04-SW	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
US-05-SW	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T

Sample ID	N-Nitro sodiphenylamine			Pentachlorophenol			Phenol		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	10	U	T	52	U	T	10	U	T
SW-02-SW	9.7	U	T	48	U	T	9.7	U	T
SW-08-SW	9.9	U	T	49	U	T	9.9	U	T
SW-08-SW-FD	9.7	U	T	49	U	T	9.7	U	T
SW-09-SW	10	U	T	51	U	T	10	U	T
SW-14-SW	9.7	U	T	49	U	T	9.7	U	T
SW-15-SW	9.6	U	T	48	U	T	9.6	U	T
SW-16-SW	9.4	U	T	47	U	T	9.4	U	T
US-01-SW	9.4	U	T	47	U	T	9.4	U	T
US-02-SW	9.5	U	T	47	U	T	9.5	U	T
US-03-SW	10	U	T	51	U	T	10	U	T
US-04-SW	9.5	U	T	48	U	T	9.5	U	T
US-05-SW	10	U	T	52	U	T	10	U	T

Table H.12b Organics (Polycyclic Aromatic Hydrocarbons) in Surface Water (µg/L)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene			Benzo(k) fluoranthene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-02-SW	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-08-SW	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T
SW-08-SW-FD	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-09-SW	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-14-SW	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-15-SW	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T
SW-16-SW	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
US-01-SW	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
US-02-SW	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
US-03-SW	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
US-04-SW	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
US-05-SW	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T

Sample ID	Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	10	U	T	10	U	T	10	U	T	10	U	T
SW-02-SW	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-08-SW	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T
SW-08-SW-FD	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-09-SW	10	U	T	10	U	T	10	U	T	10	U	T
SW-14-SW	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
SW-15-SW	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T
SW-16-SW	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
US-01-SW	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
US-02-SW	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
US-03-SW	10	U	T	10	U	T	10	U	T	10	U	T
US-04-SW	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
US-05-SW	10	U	T	10	U	T	10	U	T	10	U	T

Table H.12c Organics (Pesticides) in Surface Water (µg/L)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	0.054	U	T	0.054	U	T	0.054	U	T	0.054	U	T	0.054	U	T	0.54	U	T
SW-02-SW	0.048	UJ	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.48	U	T
SW-08-SW	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T	0.5	U	T
SW-08-SW-FD	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.49	U	T
SW-09-SW	0.051	U	T	0.051	U	T	0.051	U	T	0.051	U	T	0.051	U	T	0.51	U	T
SW-14-SW	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T	0.5	U	T
SW-15-SW	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.48	U	T
SW-16-SW	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.48	U	T
US-01-SW	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.48	U	T
US-02-SW	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.48	U	T
US-03-SW	0.052	U	T	0.052	U	T	0.052	U	T	0.052	U	T	0.052	U	T	0.52	U	T
US-04-SW	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.47	U	T
US-05-SW	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.49	U	T

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	0.054	U	T	0.054	U	T	0.054	U	T	0.054	U	T	0.054	U	T	0.054	U	T
SW-02-SW	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T
SW-08-SW	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T
SW-08-SW-FD	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T
SW-09-SW	0.051	U	T	0.051	U	T	0.051	U	T	0.051	U	T	0.051	U	T	0.051	U	T
SW-14-SW	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T
SW-15-SW	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T
SW-16-SW	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T
US-01-SW	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T
US-02-SW	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T
US-03-SW	0.052	U	T	0.052	U	T	0.052	U	T	0.052	U	T	0.052	U	T	0.052	U	T
US-04-SW	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T
US-05-SW	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T

Table H.12c Organics (Pesticides) in Surface Water (µg/L)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene											
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D									
SW-01-SW	0.054	U	T	0.27	U	T	2.7	U	T									
SW-02-SW	0.048	U	T	0.24	U	T	2.4	U	T									
SW-08-SW	0.05	U	T	0.25	U	T	2.5	U	T									
SW-08-SW-FD	0.049	U	T	0.25	U	T	2.5	U	T									
SW-09-SW	0.051	U	T	0.25	U	T	2.5	U	T									
SW-14-SW	0.05	U	T	0.25	U	T	2.5	U	T									
SW-15-SW	0.048	U	T	0.24	U	T	2.4	U	T									
SW-16-SW	0.048	U	T	0.24	U	T	2.4	U	T									
US-01-SW	0.048	U	T	0.24	U	T	2.4	U	T									
US-02-SW	0.048	U	T	0.24	U	T	2.4	U	T									
US-03-SW	0.052	U	T	0.26	U	T	2.6	U	T									
US-04-SW	0.047	U	T	0.24	U	T	2.4	U	T									
US-05-SW	0.049	U	T	0.25	U	T	2.5	U	T									

Table H.12d Organics (Polychlorinated Biphenyls) in Surface Water (µg/L)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	1.1	U	T	2.2	U	T	1.1	U	T	1.1	U	T	1.1	U	T	1.1	U	T	1.1	U	T
SW-02-SW	1	U	T	2	U	T	1	U	T	1	U	T	1	U	T	1	U	T	1	U	T
SW-08-SW	1	U	T	2	U	T	1	U	T	1	U	T	1	U	T	1	U	T	1	U	T
SW-08-SW-FD	0.99	U	T	2	U	T	0.99	U	T	0.99	U	T	0.99	U	T	0.99	U	T	0.99	U	T
SW-09-SW	1	U	T	2	U	T	1	U	T	1	U	T	1	U	T	1	U	T	1	U	T
SW-14-SW	1	U	T	2	U	T	1	U	T	1	U	T	1	U	T	1	U	T	1	U	T
SW-15-SW	0.96	U	T	1.9	U	T	0.96	U	T	0.96	U	T	0.96	U	T	0.96	U	T	0.96	U	T
SW-16-SW	0.96	U	T	1.9	U	T	0.96	U	T	0.96	U	T	0.96	U	T	0.96	U	T	0.96	U	T
US-01-SW	0.96	U	T	1.9	U	T	0.96	U	T	0.96	U	T	0.96	U	T	0.96	U	T	0.96	U	T
US-02-SW	0.95	U	T	1.9	U	T	0.95	U	T	0.95	U	T	0.95	U	T	0.95	U	T	0.95	U	T
US-03-SW	1	U	T	2.1	U	T	1	U	T	1	U	T	1	U	T	1	U	T	1	U	T
US-04-SW	0.95	U	T	1.9	U	T	0.95	U	T	0.95	U	T	0.95	U	T	0.95	U	T	0.95	U	T
US-05-SW	0.98	U	T	2	U	T	0.98	U	T	0.98	U	T	0.98	U	T	0.98	U	T	0.98	U	T

Table H.12e Organics (Volatile Organic Compounds) in Surface Water (µg/L)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene			1,2-Dibromo-3-Chloro-Propane		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-02-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-08-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-08-SW-FD	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-09-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-14-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-15-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-16-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
US-01-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
US-02-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
US-03-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
US-04-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
US-05-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T

Sample ID	1,2-Dibromoethane			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone			4-Methyl-2-pentanone			Acetone		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	5	U	T	5	U	T	5	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-02-SW	5	U	T	5	U	T	5	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-08-SW	5	U	T	5	U	T	5	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-08-SW-FD	5	U	T	5	U	T	5	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-09-SW	5	U	T	5	U	T	5	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-14-SW	5	U	T	5	U	T	5	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-15-SW	5	U	T	5	U	T	5	U	T	10	U	T	10	U	T	10	U	T	10	U	T
SW-16-SW	5	U	T	5	U	T	5	U	T	10	U	T	10	U	T	10	U	T	10	U	T
US-01-SW	5	U	T	5	U	T	5	U	T	10	U	T	10	U	T	10	U	T	10	U	T
US-02-SW	5	U	T	5	U	T	5	U	T	10	U	T	10	U	T	10	U	T	10	U	T
US-03-SW	5	U	T	5	U	T	5	U	T	10	U	T	10	U	T	10	U	T	10	U	T
US-04-SW	5	U	T	5	U	T	5	U	T	10	U	T	10	U	T	10	U	T	10	U	T
US-05-SW	5	U	T	5	U	T	5	U	T	10	U	T	10	U	T	10	U	T	10	U	T

Table H.12e Organics (Volatile Organic Compounds) in Surface Water (µg/L)

Sample ID	Benzene			Bromodichloro methane			Bromoform			Bromomethane			Carbon disulfide			Carbon tetrachloride			Chlorobenzene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	5	U	T	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T
SW-02-SW	5	U	T	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T
SW-08-SW	5	U	T	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T
SW-08-SW-FD	5	U	T	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T
SW-09-SW	5	U	T	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T
SW-14-SW	5	U	T	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T
SW-15-SW	5	U	T	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T
SW-16-SW	5	U	T	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T
US-01-SW	5	U	T	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T
US-02-SW	5	U	T	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T
US-03-SW	5	U	T	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T
US-04-SW	5	U	T	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T
US-05-SW	5	U	T	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T

Sample ID	Chloroethane			Chloroform			Chloromethane			cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	10	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-02-SW	10	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-08-SW	10	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-08-SW-FD	10	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-09-SW	10	U	T	5	U	T	10	U	T	4.4	J	T	5	U	T	5	U	T	5	U	T
SW-14-SW	10	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-15-SW	10	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-16-SW	10	U	T	5	U	T	10	U	T	0.66	J	T	5	U	T	5	U	T	5	U	T
US-01-SW	10	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T	5	U	T
US-02-SW	10	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T	5	U	T
US-03-SW	10	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T	5	U	T
US-04-SW	10	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T	5	U	T
US-05-SW	10	U	T	5	U	T	10	U	T	5	U	T	5	U	T	5	U	T	5	U	T

Table H.12e Organics (Volatile Organic Compounds) in Surface Water (µg/L)

Sample ID	Methylene chloride			m-Xylene & p-Xylene			O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	2.4	JB	T	5	U	T	5	U	T	5	U	T	2.1	J	T	5	U	T	5	U	T
SW-02-SW	5	U	T	5	U	T	5	U	T	5	U	T	0.73	J	T	5	U	T	5	U	T
SW-08-SW	2.6	JB	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-08-SW-FD	2.2	JB	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-09-SW	1.1	JB	T	5	U	T	5	U	T	5	U	T	0.87	J	T	5	U	T	5	U	T
SW-14-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-15-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
SW-16-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
US-01-SW	1.1	JB	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
US-02-SW	3.3	JB	T	5	U	T	5	U	T	5	U	T	5	U	T	0.85	J	T	5	U	T
US-03-SW	2.8	JB	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
US-04-SW	1.1	JB	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
US-05-SW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T

Sample ID	trans-1,3-Dichloropropene			Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
SW-01-SW	5	U	T	5	U	T	10	U	T	10	U	T
SW-02-SW	5	U	T	5	U	T	10	U	T	10	U	T
SW-08-SW	5	U	T	5	U	T	10	U	T	10	U	T
SW-08-SW-FD	5	U	T	5	U	T	10	U	T	10	U	T
SW-09-SW	5	U	T	0.84	J	T	10	U	T	10	U	T
SW-14-SW	5	U	T	5	U	T	10	U	T	10	U	T
SW-15-SW	5	U	T	5	U	T	10	U	T	10	U	T
SW-16-SW	5	U	T	0.64	J	T	10	U	T	10	U	T
US-01-SW	5	U	T	5	U	T	10	U	T	10	U	T
US-02-SW	5	U	T	5	U	T	10	U	T	10	U	T
US-03-SW	5	U	T	5	U	T	10	U	T	10	U	T
US-04-SW	5	U	T	5	U	T	10	U	T	10	U	T
US-05-SW	5	U	T	5	U	T	10	U	T	10	U	T

Table H.13a Organics (Base Neutral Acids) in Sediment (µg/kg)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS	640	U	640	640	U	640	3200	U	3200	640	U	640	640	U	640	640	U	640
SW-02-SS	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
SW-03-SS	660	U	660	660	U	660	3300	U	3300	660	U	660	660	U	660	660	U	660
SW-04-SS	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
SW-05-SS	670	U	670	670	U	670	3400	U	3400	670	U	670	670	U	670	670	U	670
SW-06-SS	1200	U	1200	1200	U	1200	5900	U	5900	1200	U	1200	1200	U	1200	1200	U	1200
SW-07-SS	1300	U	1300	1300	U	1300	6300	U	6300	1300	U	1300	1300	U	1300	1300	U	1300
SW-08-SS	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
SW-08-SS-FD	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
SW-10-SS	520	U	520	520	U	520	2600	U	2600	520	U	520	520	U	520	520	U	520
SW-11-SS	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
SW-12-SS	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
SW-13-SS	500	U	500	500	U	500	2500	U	2500	500	U	500	500	U	500	500	U	500
SW-14-SS	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
SW-15-SS	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
SW-16-SS	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
US-04-SS	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
US-05-SS	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410

Table H.13a Organics (Base Neutral Acids) in Sediment (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS	3200	U	3200	640	U	640	640	U	640	640	U	640	640	U	640	3200	U	3200
SW-02-SS	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
SW-03-SS	3300	U	3300	660	U	660	660	U	660	660	U	660	660	U	660	3300	U	3300
SW-04-SS	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
SW-05-SS	3400	U	3400	670	U	670	670	U	670	670	U	670	670	U	670	3400	U	3400
SW-06-SS	5900	U	5900	1200	U	1200	1200	U	1200	1200	U	1200	1200	U	1200	5900	U	5900
SW-07-SS	6300	U	6300	1300	U	1300	1300	U	1300	1300	U	1300	1300	U	1300	6300	U	6300
SW-08-SS	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
SW-08-SS-FD	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
SW-10-SS	2600	U	2600	520	U	520	520	U	520	520	U	520	520	U	520	2600	U	2600
SW-11-SS	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
SW-12-SS	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
SW-13-SS	2500	U	2500	500	U	500	500	U	500	500	U	500	500	U	500	2500	U	2500
SW-14-SS	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
SW-15-SS	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
SW-16-SS	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
US-04-SS	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
US-05-SS	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100

Table H.13a Organics (Base Neutral Acids) in Sediment (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS	640	U	640	3200	U	3200	640	U	640	640	U	640	640	U	640	640	U	640
SW-02-SS	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
SW-03-SS	660	U	660	3300	U	3300	660	U	660	170	J	660	660	U	660	660	U	660
SW-04-SS	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
SW-05-SS	670	U	670	3400	U	3400	670	U	670	670	U	670	670	U	670	670	U	670
SW-06-SS	1200	U	1200	5900	U	5900	1200	U	1200	390	J	1200	1200	U	1200	87	J	1200
SW-07-SS	1300	U	1300	6300	U	6300	1300	U	1300	3600		1300	1300	U	1300	3500		1300
SW-08-SS	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
SW-08-SS-FD	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
SW-10-SS	520	U	520	2600	U	2600	520	U	520	520	U	520	520	U	520	520	U	520
SW-11-SS	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
SW-12-SS	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	37	J	440
SW-13-SS	500	U	500	2500	U	2500	500	U	500	500	U	500	500	U	500	500	U	500
SW-14-SS	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
SW-15-SS	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
SW-16-SS	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
US-04-SS	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
US-05-SS	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410

Table H.13a Organics (Base Neutral Acids) in Sediment (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachloro benzene		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS	640	U	640	640	U	640	640	U	640	600	J	640	640	U	640	640	U	640
SW-02-SS	420	U	420	420	U	420	420	UJ	420	120	J	420	420	U	420	420	U	420
SW-03-SS	660	U	660	660	U	660	660	UJ	660	400	J	660	660	U	660	660	U	660
SW-04-SS	440	U	440	440	U	440	440	U	440	130	J	440	440	U	440	440	U	440
SW-05-SS	670	U	670	670	U	670	670	U	670	690	=	670	670	U	670	670	U	670
SW-06-SS	1200	U	1200	1200	U	1200	1200	UJ	1200	2100	=	1200	1200	U	1200	1200	U	1200
SW-07-SS	1300	U	1300	2100		1300	1300	U	1300	58000		13000	970	J	1300	1300	U	1300
SW-08-SS	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
SW-08-SS-FD	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
SW-10-SS	520	U	520	520	U	520	520	U	520	90	J	520	520	U	520	520	U	520
SW-11-SS	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
SW-12-SS	440	U	440	440	U	440	440	U	440	370	J	440	20	J	440	440	U	440
SW-13-SS	500	U	500	500	U	500	500	U	500	500	U	500	500	U	500	500	U	500
SW-14-SS	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-15-SS	380	U	380	380	U	380	380	U	380	19	J	380	380	U	380	380	U	380
SW-16-SS	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
US-04-SS	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
US-05-SS	410	U	410	410	U	410	410	U	410	86	J	410	410	U	410	410	U	410

Table H.13a Organics (Base Neutral Acids) in Sediment (µg/kg)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-01-SS	640	U	640	640	U	640	640	U	640	640	U	640	640	U	640	640	U	640
SW-02-SS	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-03-SS	660	U	660	660	U	660	660	U	660	660	U	660	660	U	660	660	U	660
SW-04-SS	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
SW-05-SS	670	U	670	670	U	670	670	U	670	670	U	670	670	U	670	670	U	670
SW-06-SS	1200	U	1200	1200	U	1200	1200	U	1200	1200	U	1200	1200	U	1200	1200	U	1200
SW-07-SS	1300	U	1300	1300	U	1300	1300	U	1300	250	J	1300	1300	U	1300	1300	U	1300
SW-08-SS	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
SW-08-SS-FD	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
SW-10-SS	520	U	520	520	U	520	520	U	520	520	U	520	520	U	520	520	U	520
SW-11-SS	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
SW-12-SS	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
SW-13-SS	500	U	500	500	U	500	500	U	500	500	U	500	500	U	500	500	U	500
SW-14-SS	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-15-SS	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
SW-16-SS	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
US-04-SS	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
US-05-SS	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410

Table H.13a Organics (Base Neutral Acids) in Sediment (µg/kg)

Sample ID	N-Nitrosodi phenylamine			Pentachlorophenol			Phenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-01-SS	640	U	640	3200	U	3200	640	U	640
SW-02-SS	420	U	420	2100	U	2100	420	U	420
SW-03-SS	660	U	660	3300	U	3300	660	U	660
SW-04-SS	440	U	440	2200	U	2200	440	U	440
SW-05-SS	670	U	670	3400	U	3400	670	U	670
SW-06-SS	1200	U	1200	5900	U	5900	1200	U	1200
SW-07-SS	1300	U	1300	6300	U	6300	1300	U	1300
SW-08-SS	400	U	400	2000	U	2000	400	U	400
SW-08-SS-FD	390	U	390	2000	U	2000	390	U	390
SW-10-SS	520	U	520	2600	U	2600	520	U	520
SW-11-SS	460	U	460	2300	U	2300	460	U	460
SW-12-SS	440	U	440	2200	U	2200	440	U	440
SW-13-SS	500	U	500	2500	U	2500	500	U	500
SW-14-SS	410	U	410	2000	U	2000	410	U	410
SW-15-SS	380	U	380	1900	U	1900	380	U	380
SW-16-SS	410	U	410	2000	U	2000	410	U	410
US-04-SS	430	U	430	2200	U	2200	430	U	430
US-05-SS	410	U	410	2100	U	2100	410	U	410

Table H.13b Organics (Polycyclic Aromatic Hydrocarbons) in Sediment (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS	640	U	640	640	U	640	170	J	640	260	J	640	610	J	640
SW-02-SS	420	U	420	420	U	420	62	J	420	82	J	420	140	J	420
SW-03-SS	660	U	660	660	U	660	110	J	660	190	J	660	400	J	660
SW-04-SS	440	U	440	440	U	440	65	J	440	71	J	440	140	J	440
SW-05-SS	670	U	670	670	U	670	390	J	670	420	J	670	730	=	670
SW-06-SS	1200	U	1200	1200	U	1200	610	J	1200	890	J	1200	1800	=	1200
SW-07-SS	580	J	1300	2400		1300	21000		13000	29000		13000	57000		13000
SW-08-SS	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
SW-08-SS-FD	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
SW-10-SS	520	U	520	520	U	520	110	J	520	100	J	520	170	J	520
SW-11-SS	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
SW-12-SS	12	J	440	55	J	440	130	J	440	110	J	440	150	J	440
SW-13-SS	500	U	500	500	U	500	500	U	500	500	U	500	500	U	500
SW-14-SS	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-15-SS	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
SW-16-SS	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
US-04-SS	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
US-05-SS	410	U	410	410	U	410	41	J	410	29	J	410	39	J	410

Table H.13b Organics (Polycyclic Aromatic Hydrocarbons) in Sediment (µg/kg)

Sample ID	Benzo(k)fluoranthene			Chrysene			Dibenz(a,h)anthracene			Indeno(1,2,3-cd)pyrene			Pyrene		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SW-01-SS	220	J	640	320	J	640	640	U	640	73	J	640	460	J	640
SW-02-SS	49	J	420	82	J	420	420	UJ	420	65	J	420	140	J	420
SW-03-SS	140	J	660	230	J	660	660	UJ	660	660	UJ	660	440	J	660
SW-04-SS	47	J	440	91	J	440	440	U	440	55	J	440	130	J	440
SW-05-SS	240	J	670	480	J	670	670	U	670	350	J	670	790	=	670
SW-06-SS	500	J	1200	1100	J	1200	1200	UJ	1200	800	J	1200	2800	=	1200
SW-07-SS	20000		13000	29000		13000	4700		1300	11000	J	13000	68000		13000
SW-08-SS	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
SW-08-SS-FD	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
SW-10-SS	66	J	520	100	J	520	520	U	520	57	J	520	170	J	520
SW-11-SS	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
SW-12-SS	52	J	440	130	J	440	440	U	440	55	J	440	260	J	440
SW-13-SS	500	U	500	500	U	500	500	U	500	500	U	500	500	U	500
SW-14-SS	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-15-SS	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
SW-16-SS	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
US-04-SS	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
US-05-SS	410	U	410	33	J	410	410	U	410	410	U	410	66	J	410

Table H.13c Organics (Pesticides) in Sediment (ug/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene			Dieldrin		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-01-SS	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	32	U	32	3.2	U	3.2
SW-02-SS	2.1	UJ	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21	2.1	U	2.1
SW-03-SS	3.3	UJ	3.3	3.3	U	3.3	3.3	U	3.3	3.3	U	3.3	3.3	U	3.3	33	U	33	3.3	U	3.3
SW-04-SS	2.2	UJ	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22	2.2	U	2.2
SW-05-SS	3.4	UJ	3.4	3.4	U	3.4	3.4	U	3.4	3.4	U	3.4	3.4	U	3.4	34	U	34	3.4	U	3.4
SW-06-SS	5.9	UJ	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	59	U	59	5.9	U	5.9
SW-07-SS	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	32	U	32	3.2	U	3.2
SW-08-SS	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20	2	U	2
SW-08-SS-FD	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20	2	U	2
SW-10-SS	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	26	U	26	2.6	U	2.6
SW-11-SS	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	24	U	24	2.4	U	2.4
SW-12-SS	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22	2.2	U	2.2
SW-13-SS	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	25	U	25	2.5	U	2.5
SW-14-SS	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21	2.1	U	2.1
SW-15-SS	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19	1.9	U	1.9
SW-16-SS	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21	2.1	U	2.1
US-04-SS	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22	2.2	U	2.2
US-05-SS	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21	2.1	U	2.1

Table H.13c Organics (Pesticides) in Sediment (ug/kg)

Sample ID	Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)			Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-01-SS	3.2	U	3.2	3.2	U	3.2	2.9	2	3.2	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	16	U	16	160	U	160
SW-02-SS	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	10	U	10	100	U	100
SW-03-SS	3.3	U	3.3	3.3	U	3.3	3.3	U	3.3	3.3	U	3.3	3.3	U	3.3	3.3	U	3.3	16	U	16	160	U	160
SW-04-SS	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	11	U	11	110	U	110
SW-05-SS	3.4	U	3.4	3.4	U	3.4	3.4	U	3.4	3.4	U	3.4	3.4	U	3.4	3.4	U	3.4	17	UJ	17	170	U	170
SW-06-SS	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	29	UJ	29	290	U	290
SW-07-SS	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	16	U	16	160	U	160
SW-08-SS	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	10	U	10	100	U	100
SW-08-SS-FD	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	9.8	U	9.8	98	U	98
SW-10-SS	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	13	U	13	130	U	130
SW-11-SS	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	12	U	12	120	U	120
SW-12-SS	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	11	U	11	110	U	110
SW-13-SS	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	13	U	13	130	U	130
SW-14-SS	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	10	U	10	100	U	100
SW-15-SS	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	9.7	U	9.7	97	U	97
SW-16-SS	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	10	U	10	100	U	100
US-04-SS	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	11	U	11	110	U	110
US-05-SS	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	10	U	10	100	U	100

Table H.13d Organics (Polychlorinated Biphenyls) in Sediment (µg/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-01-SS	64	U	64	130	U	130	64	U	64	64	U	64	64	U	64	64	U	64	14	J	64
SW-02-SS	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
SW-03-SS	65	U	65	130	U	130	65	U	65	65	U	65	65	U	65	65	U	65	65	U	65
SW-04-SS	44	U	44	89	U	89	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
SW-05-SS	67	U	67	130	U	130	67	U	67	67	U	67	67	U	67	67	U	67	67	U	67
SW-06-SS	120	U	120	240	U	240	120	U	120	120	U	120	120	U	120	120	U	120	120	U	120
SW-07-SS	63	U	63	130	U	130	63	U	63	63	U	63	63	U	63	63	U	63	59	J	63
SW-08-SS	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
SW-08-SS-FD	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
SW-10-SS	52	U	52	100	U	100	52	U	52	52	U	52	52	U	52	52	U	52	52	U	52
SW-11-SS	47	U	47	94	U	94	47	U	47	47	U	47	47	U	47	47	U	47	47	U	47
SW-12-SS	45	U	45	90	U	90	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
SW-13-SS	51	U	51	100	U	100	51	U	51	51	U	51	51	U	51	51	U	51	51	U	51
SW-14-SS	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
SW-15-SS	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
SW-16-SS	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
US-04-SS	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
US-05-SS	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42

Table H.13e Organics (Volatile Organic Compounds) in Sediment (µg/kg)

Sample ID	1,1,1-Tri chloroethane			1,1,2,2-Tetra chloroethane			1,1,2-Tri chloroethane			1,1-Di chloroethane			1,1-Di chloroethene			1,2,4-Tri chlorobenzene			1,2-Dibromo-3-Chloro-Propane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-01-SS	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6
SW-02-SS	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-03-SS	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9
SW-04-SS	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
SW-05-SS	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10
SW-06-SS	18	U	18	18	U	18	18	U	18	18	U	18	18	U	18	18	U	18	18	U	18
SW-07-SS	9.5	U	9.5	9.5	U	9.5	9.5	U	9.5	9.5	U	9.5	9.5	U	9.5	9.5	U	9.5	9.5	U	9.5
SW-08-SS	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
SW-08-SS-FD	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
SW-10-SS	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9
SW-11-SS	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1
SW-12-SS	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
SW-13-SS	7.6	U	7.6	7.6	U	7.6	7.6	U	7.6	7.6	U	7.6	7.6	U	7.6	7.6	U	7.6	7.6	U	7.6
SW-14-SS	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
SW-15-SS	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
SW-16-SS	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
US-04-SS	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
US-05-SS	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2

Table H.13e Organics (Volatile Organic Compounds) in Sediment (µg/kg)

Sample ID	1,2-Dibromo ethane (EDB)			1,2-Di chloroethane			1,2-Di chloropropane			2-Butanone (MEK)			2-Hexanone			4-Methyl-2-pentanone			Acetone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-01-SS	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6	19	U	19	19	U	19	19	U	19	39		19
SW-02-SS	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	11	J	13
SW-03-SS	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9	20	U	20	20	U	20	20	U	20	38	J	20
SW-04-SS	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13	13	U	13	13	U	13
SW-05-SS	10	U	10	10	U	10	10	U	10	14	J	20	20	U	20	20	U	20	53	J	20
SW-06-SS	18	U	18	18	U	18	18	U	18	35	U	35	35	U	35	35	U	35	45	J	35
SW-07-SS	9.5	U	9.5	9.5	U	9.5	9.5	U	9.5	19	U	19	19	U	19	19	U	19	25		19
SW-08-SS	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
SW-08-SS-FD	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12	12	U	12	13		12
SW-10-SS	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9	16	U	16	16	U	16	16	U	16	29		16
SW-11-SS	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	14	U	14	14	U	14	14	U	14	14	U	14
SW-12-SS	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13	13	U	13	13	U	13
SW-13-SS	7.6	U	7.6	7.6	U	7.6	7.6	U	7.6	15	U	15	15	U	15	15	U	15	26		15
SW-14-SS	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
SW-15-SS	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12	12	U	12	14		12
SW-16-SS	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
US-04-SS	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	18		13
US-05-SS	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12

Table H.13e Organics (Volatile Organic Compounds) in Sediment (µg/kg)

Sample ID	Benzene			Bromodi chloromethane			Bromoform			Bromo methane			Carbon disulfide			Carbon tetrachloride			Chlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-01-SS	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6	19	U	19	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6
SW-02-SS	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-03-SS	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9	20	U	20	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9
SW-04-SS	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
SW-05-SS	10	U	10	10	U	10	10	U	10	20	U	20	10	U	10	10	U	10	10	U	10
SW-06-SS	18	U	18	18	U	18	18	U	18	35	U	35	18	U	18	18	U	18	18	U	18
SW-07-SS	9.5	U	9.5	9.5	U	9.5	9.5	U	9.5	19	U	19	9.5	U	9.5	9.5	U	9.5	9.5	U	9.5
SW-08-SS	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
SW-08-SS-FD	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
SW-10-SS	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9	16	U	16	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9
SW-11-SS	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	14	U	14	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1
SW-12-SS	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
SW-13-SS	7.6	U	7.6	7.6	U	7.6	7.6	U	7.6	15	U	15	7.6	U	7.6	7.6	U	7.6	7.6	U	7.6
SW-14-SS	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
SW-15-SS	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
SW-16-SS	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
US-04-SS	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
US-05-SS	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2

Table H.13e Organics (Volatile Organic Compounds) in Sediment (µg/kg)

Sample ID	Chloroethane			Chloroform			Chloro methane			cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromo chloromethane			Ethylbenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-01-SS	19	U	19	9.6	U	9.6	19	U	19	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6
SW-02-SS	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-03-SS	20	U	20	9.9	U	9.9	20	U	20	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9
SW-04-SS	13	U	13	6.7	U	6.7	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
SW-05-SS	20	U	20	10	U	10	20	U	20	10	U	10	10	U	10	10	U	10	10	U	10
SW-06-SS	35	U	35	18	U	18	35	U	35	18	U	18	18	U	18	18	U	18	18	U	18
SW-07-SS	19	U	19	9.5	U	9.5	19	U	19	28		9.5	9.5	U	9.5	9.5	U	9.5	9.5	U	9.5
SW-08-SS	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
SW-08-SS-FD	12	U	12	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
SW-10-SS	16	U	16	7.9	U	7.9	16	U	16	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9
SW-11-SS	14	U	14	7.1	U	7.1	14	U	14	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1
SW-12-SS	13	U	13	6.7	U	6.7	13	U	13	5.7	J	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
SW-13-SS	15	U	15	7.6	U	7.6	15	U	15	2.6	J	7.6	7.6	U	7.6	7.6	U	7.6	7.6	U	7.6
SW-14-SS	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
SW-15-SS	12	U	12	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
SW-16-SS	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
US-04-SS	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
US-05-SS	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2

Table H.13e Organics (Volatile Organic Compounds) in Sediment (µg/kg)

Sample ID	Methylene chloride			m-Xylene & p-Xylene			O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Di chloroethene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-01-SS	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6	9.6	U	9.6
SW-02-SS	1.6	JB	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-03-SS	2.3	JB	9.9	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9	9.9	U	9.9
SW-04-SS	1.5	JB	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
SW-05-SS	2	JB	10	10	U	10	10	U	10	10	U	10	10	U	10	5.9	J	10	10	U	10
SW-06-SS	3.9	JB	18	18	U	18	18	U	18	18	U	18	18	U	18	18	U	18	18	U	18
SW-07-SS	9.5	U	9.5	9.5	U	9.5	9.5	U	9.5	9.5	U	9.5	7.3	J	9.5	9.5	U	9.5	7.2	J	9.5
SW-08-SS	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
SW-08-SS-FD	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5	J	5.9	5.9	U	5.9
SW-10-SS	9.4	B	7.9	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9	7.9	U	7.9
SW-11-SS	4.9	JB	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1
SW-12-SS	7.2	B	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	4.4	J	6.7	6.7	U	6.7	6.7	U	6.7
SW-13-SS	6.6	JB	7.6	7.6	U	7.6	7.6	U	7.6	7.6	U	7.6	7.6	U	7.6	7.6	U	7.6	7.6	U	7.6
SW-14-SS	1.3	JB	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
SW-15-SS	1.2	JB	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	20		5.8	5.8	U	5.8
SW-16-SS	9.2	B	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
US-04-SS	10	B	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	9.5		6.5	6.5	U	6.5
US-05-SS	1.3	JB	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2

Table H.13e Organics (Volatile Organic Compounds) in Sediment (µg/kg)

Sample ID	trans-1,3-Di chloropropene			Trichloro ethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-01-SS	9.6	U	9.6	9.6	U	9.6	19	U	19	19	U	19
SW-02-SS	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
SW-03-SS	9.9	U	9.9	9.9	U	9.9	20	U	20	20	U	20
SW-04-SS	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13
SW-05-SS	10	U	10	10	U	10	20	U	20	20	U	20
SW-06-SS	18	U	18	18	U	18	35	U	35	35	U	35
SW-07-SS	9.5	U	9.5	11		9.5	19	U	19	22		19
SW-08-SS	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
SW-08-SS-FD	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
SW-10-SS	7.9	U	7.9	7.9	U	7.9	16	U	16	16	U	16
SW-11-SS	7.1	U	7.1	7.1	U	7.1	14	U	14	14	U	14
SW-12-SS	6.7	U	6.7	1.6	J	6.7	13	U	13	13	U	13
SW-13-SS	7.6	U	7.6	1.7	J	7.6	15	U	15	15	U	15
SW-14-SS	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
SW-15-SS	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
SW-16-SS	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
US-04-SS	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
US-05-SS	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	1,2- Dichlorobenzene			1,4- Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
BD-10-00-SL	1200	U	1200	1200	U	1200	5900	U	5900	1200	U	1200	1200	U	1200	1200	U	1200
BD-11-00-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
BD-12-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
BP-01-00-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
BP-02-00-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
BP-03-00-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BP-04-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
BP-05-00-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
BP-06-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
BP-07-00-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BP-08-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
BP-09-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
BP-10-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
BP-11-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
BP-12-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
CB-01-00-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
CB-01-00-SL-FD	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
DM-01-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
DM-02-00-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
EP-01-00-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
EP-02-00-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
EP-03-00-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
EP-04-00-SL	450	U	450	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450
EP-04-00-SL-FD	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
EP-05-00-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
EP-06-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
EP-07-00-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
EP-08-00-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
EP-09-00-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
EP-10-00-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
EP-11-00-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
EP-12-00-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
GS-01-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
GS-01-00-SL-FD	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
GS-02-00-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
GS-03-00-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
GS-04-00-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	1,2- Dichlorobenzene			1,4- Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-05-00-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
LF-01-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
LF-02-00-SL	370	U	370	370	U	370	1800	U	1800	370	U	370	370	U	370	370	U	370
LF-03-00-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
LF-04-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
LF-05-00-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
NB-01-00-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-02-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-03-00-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-04-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-05-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-06-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-07-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-07-00-SL-FD	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-08-00-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-09-00-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-10-00-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
NB-11-00-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-12-00-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-13-00-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-14-00-SL	550	U	550	550	U	550	2700	U	2700	550	U	550	550	U	550	550	U	550
NB-15-00-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
NB-16-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-17-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-18-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-19-00-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
NB-20-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-21-00-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-22-00-SL	470	U	470	470	U	470	2300	U	2300	470	U	470	470	U	470	470	U	470
NB-23-00-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-24-00-SL	450	U	450	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450
NB-25-00-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
NB-26-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-27-00-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
NB-27-00-SL-FD	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
OA-01-00-SL	780	U	780	780	U	780	3800	U	3800	780	U	780	780	U	780	780	U	780
OA-01-00-SL-FD	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
OA-02-00-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	1,2- Dichlorobenzene			1,4- Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-03-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
OA-04-00-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
OA-05-00-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
OA-06-00-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
OA-07-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
OA-08-00-SL	1600	U	1600	1600	U	1600	8100	U	8100	1600	U	1600	1600	U	1600	1600	U	1600
OA-09-00-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
OA-10-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
OA-11-00-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
OA-12-00-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
OA-13-00-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
OA-14-00-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
OA-15-00-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
OA-16-00-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
OA-20-00-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
OA-21-00-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
OA-22-00-SL	360	U	360	360	U	360	1800	U	1800	360	U	360	360	U	360	360	U	360
OA-23-00-SL	370	U	370	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370
OA-24-00-SL	450	U	450	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450
OA-25-00-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
OA-26-00-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
OA-27-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
OA-28-00-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
OA-29-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
OA-30-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
OA-31-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
OA-32-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
OA-33-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
OA-34-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
OA-35-00-SL	450	U	450	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450
OA-36-00-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
OA-37-00-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
OA-38-00-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
OA-39-00-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
OA-40-00-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
PL-01-00-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
PL-02-00-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
PL-03-00-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	1,2- Dichlorobenzene			1,4- Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
RR-01-00-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
RR-02-00-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
RR-03-00-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
SW-01-00-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
SW-02-00-SL	450	U	450	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450
SW-03-00-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
SW-04-00-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
LS-01-00-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
LS-02-00-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
LS-03-00-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
BD-10-00-SL	5900	U	5900	1200	U	1200	1200	U	1200	1200	U	1200	1200	U	1200	5900	U	5900
BD-11-00-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
BD-12-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
BP-01-00-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
BP-02-00-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
BP-03-00-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BP-04-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
BP-05-00-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
BP-06-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
BP-07-00-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BP-08-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
BP-09-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
BP-10-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
BP-11-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
BP-12-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
CB-01-00-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
CB-01-00-SL-FD	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
DM-01-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
DM-02-00-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
EP-01-00-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
EP-02-00-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
EP-03-00-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
EP-04-00-SL	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450	2300	U	2300
EP-04-00-SL-FD	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
EP-05-00-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
EP-06-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
EP-07-00-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
EP-08-00-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
EP-09-00-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
EP-10-00-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
EP-11-00-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
EP-12-00-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
GS-01-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
GS-01-00-SL-FD	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
GS-02-00-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
GS-03-00-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
GS-04-00-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-05-00-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
LF-01-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
LF-02-00-SL	1800	U	1800	370	U	370	370	U	370	370	U	370	370	U	370	1800	U	1800
LF-03-00-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
LF-04-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
LF-05-00-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
NB-01-00-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-02-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-03-00-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-04-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-05-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-06-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-07-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-07-00-SL-FD	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-08-00-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-09-00-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-10-00-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
NB-11-00-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-12-00-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-13-00-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-14-00-SL	2700	U	2700	550	U	550	550	U	550	550	U	550	550	U	550	2700	U	2700
NB-15-00-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
NB-16-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-17-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-18-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-19-00-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
NB-20-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-21-00-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-22-00-SL	2300	U	2300	470	U	470	470	U	470	470	U	470	470	U	470	2300	U	2300
NB-23-00-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-24-00-SL	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450	2200	U	2200
NB-25-00-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
NB-26-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-27-00-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
NB-27-00-SL-FD	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
OA-01-00-SL	3800	U	3800	780	U	780	780	U	780	780	U	780	780	U	780	3800	UJ	3800
OA-01-00-SL-FD	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	UJ	1900
OA-02-00-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	UJ	2000

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-03-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	UJ	2000
OA-04-00-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
OA-05-00-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
OA-06-00-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
OA-07-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
OA-08-00-SL	8100	U	8100	1600	U	1600	1600	U	1600	1600	U	1600	1600	U	1600	8100	U	8100
OA-09-00-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
OA-10-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
OA-11-00-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
OA-12-00-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
OA-13-00-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
OA-14-00-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
OA-15-00-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
OA-16-00-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
OA-20-00-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
OA-21-00-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
OA-22-00-SL	1800	U	1800	360	U	360	360	U	360	360	U	360	360	U	360	1800	U	1800
OA-23-00-SL	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370	1900	U	1900
OA-24-00-SL	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450	2200	U	2200
OA-25-00-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
OA-26-00-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
OA-27-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
OA-28-00-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
OA-29-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
OA-30-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
OA-31-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
OA-32-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
OA-33-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
OA-34-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
OA-35-00-SL	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450	2300	U	2300
OA-36-00-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
OA-37-00-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
OA-38-00-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
OA-39-00-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
OA-40-00-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
PL-01-00-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
PL-02-00-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
PL-03-00-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
RR-01-00-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	UJ	2100
RR-02-00-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
RR-03-00-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
SW-01-00-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
SW-02-00-SL	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450	2300	UJ	2300
SW-03-00-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
SW-04-00-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
LS-01-00-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
LS-02-00-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
LS-03-00-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	390	U	390	1900	U	1900	390	U	390	110	J	390	390	U	390	75	J	390
BD-10-00-SL	1200	U	1200	5900	U	5900	1200	U	1200	1600		1200	220	J	1200	210	J	1200
BD-11-00-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
BD-12-00-SL	400	U	400	2000	U	2000	400	U	400	380	J	400	400	U	400	60	J	400
BP-01-00-SL	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390
BP-02-00-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
BP-03-00-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BP-04-00-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
BP-05-00-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
BP-06-00-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
BP-07-00-SL	420	U	420	2100	U	2100	420	U	420	200	J	420	190	J	420	420	U	420
BP-08-00-SL	400	U	400	2000	U	2000	400	U	400	81	J	400	400	U	400	400	U	400
BP-09-00-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
BP-10-00-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
BP-11-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
BP-12-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
CB-01-00-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
CB-01-00-SL-FD	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
DM-01-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
DM-02-00-SL	410	U	410	2000	U	2000	410	U	410	960		410	80	J	410	26	J	410
EP-01-00-SL	410	U	410	2000	U	2000	410	U	410	140	J	410	410	U	410	120	J	410
EP-02-00-SL	460	U	460	2300	U	2300	460	U	460	290	J	460	460	U	460	460	U	460
EP-03-00-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
EP-04-00-SL	450	U	450	2300	U	2300	450	U	450	380	J	450	190	J	450	49	J	450
EP-04-00-SL-FD	420	U	420	2100	U	2100	420	U	420	470		420	170	J	420	49	J	420
EP-05-00-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
EP-06-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	64	J	400
EP-07-00-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
EP-08-00-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
EP-09-00-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
EP-10-00-SL	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390
EP-11-00-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
EP-12-00-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
GS-01-00-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
GS-01-00-SL-FD	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
GS-02-00-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
GS-03-00-SL	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390
GS-04-00-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-05-00-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
LF-01-00-SL	400	U	400	2000	U	2000	400	U	400	290	J	400	39	J	400	130	J	400
LF-02-00-SL	370	U	370	1800	U	1800	370	U	370	140	J	370	370	U	370	370	U	370
LF-03-00-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
LF-04-00-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
LF-05-00-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
NB-01-00-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-02-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-03-00-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-04-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	22	J	400
NB-05-00-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-06-00-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-07-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-07-00-SL-FD	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-08-00-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-09-00-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
NB-10-00-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
NB-11-00-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-12-00-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-13-00-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-14-00-SL	550	U	550	2700	U	2700	550	U	550	550	U	550	550	U	550	34	J	550
NB-15-00-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
NB-16-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-17-00-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-18-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-19-00-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
NB-20-00-SL	410	U	410	2100	U	2100	410	U	410	180	J	410	410	U	410	410	U	410
NB-21-00-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-22-00-SL	470	U	470	2300	U	2300	470	U	470	120	J	470	470	U	470	29	J	470
NB-23-00-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-24-00-SL	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450
NB-25-00-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
NB-26-00-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-27-00-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
NB-27-00-SL-FD	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
OA-01-00-SL	780	U	780	3800	U	3800	780	U	780	780	UJ	780	780	U	780	780	U	780
OA-01-00-SL-FD	380	U	380	1900	U	1900	380	U	380	380	UJ	380	380	U	380	380	U	380
OA-02-00-SL	410	U	410	2000	U	2000	410	U	410	410	UJ	410	410	U	410	410	U	410

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-03-00-SL	400	U	400	2000	U	2000	400	U	400	400	UJ	400	400	U	400	400	U	400
OA-04-00-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	38	J	420	420	U	420
OA-05-00-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
OA-06-00-SL	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390
OA-07-00-SL	400	U	400	2000	U	2000	400	U	400	280	J	400	400	U	400	280	J	400
OA-08-00-SL	1600	U	1600	8100	U	8100	1600	U	1600	4700		1600	1600	U	1600	200	J	1600
OA-09-00-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
OA-10-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	110	J	400
OA-11-00-SL	380	U	380	1900	U	1900	380	U	380	110	J	380	49	J	380	84	J	380
OA-12-00-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
OA-13-00-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	30	J	440
OA-14-00-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
OA-15-00-SL	410	U	410	2000	U	2000	410	U	410	210	J	410	29	J	410	470		410
OA-16-00-SL	420	U	420	2100	U	2100	420	U	420	170	J	420	52	J	420	910		420
OA-20-00-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
OA-21-00-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
OA-22-00-SL	360	U	360	1800	U	1800	360	U	360	360	U	360	360	U	360	360	U	360
OA-23-00-SL	370	U	370	1900	U	1900	370	U	370	79	J	370	370	U	370	47	J	370
OA-24-00-SL	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450
OA-25-00-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
OA-26-00-SL	380	U	380	1900	U	1900	380	U	380	290	J	380	380	U	380	65	J	380
OA-27-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
OA-28-00-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
OA-29-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
OA-30-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
OA-31-00-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
OA-32-00-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
OA-33-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
OA-34-00-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
OA-35-00-SL	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450
OA-36-00-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
OA-37-00-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
OA-38-00-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
OA-39-00-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
OA-40-00-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
PL-01-00-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
PL-02-00-SL	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390
PL-03-00-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
RR-01-00-SL	410	U	410	2100	U	2100	410	U	410	210	J	410	410	U	410	410	U	410
RR-02-00-SL	430	U	430	2100	U	2100	430	U	430	100	J	430	430	U	430	430	U	430
RR-03-00-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
SW-01-00-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
SW-02-00-SL	450	U	450	2300	U	2300	450	U	450	450	UJ	450	450	U	450	450	U	450
SW-03-00-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
SW-04-00-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
LS-01-00-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
LS-02-00-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
LS-03-00-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	29	J	390

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	390	U	390	390	U	390	390	U	390	1300		390	22	J	390
BD-10-00-SL	1200	U	1200	1200	J	1200	1200	U	1200	3500		1200	190	J	1200
BD-11-00-SL	390	U	390	26	J	390	390	U	390	240	J	390	390	U	390
BD-12-00-SL	400	U	400	2400		400	400	U	400	810		400	19	J	400
BP-01-00-SL	390	U	390	390	U	390	390	U	390	90	J	390	390	U	390
BP-02-00-SL	460	U	460	460	U	460	460	U	460	22	J	460	460	U	460
BP-03-00-SL	420	U	420	420	U	420	420	U	420	46	J	420	420	U	420
BP-04-00-SL	410	U	410	410	U	410	410	U	410	34	J	410	410	U	410
BP-05-00-SL	430	U	430	430	U	430	430	U	430	160	J	430	430	U	430
BP-06-00-SL	410	U	410	410	U	410	410	U	410	63	J	410	410	U	410
BP-07-00-SL	420	U	420	1100		420	420	U	420	45	J	420	420	U	420
BP-08-00-SL	400	U	400	120	J	400	400	U	400	16	J	400	400	U	400
BP-09-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-10-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-11-00-SL	400	U	400	400	U	400	400	U	400	80	J	400	400	U	400
BP-12-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
CB-01-00-SL	420	U	420	38	J	420	420	UJ	420	170	J	420	420	U	420
CB-01-00-SL-FD	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
DM-01-00-SL	400	U	400	46	J	400	400	U	400	60	J	400	400	U	400
DM-02-00-SL	410	U	410	410	U	410	350	J	410	370	J	410	410	U	410
EP-01-00-SL	410	U	410	410	U	410	410	U	410	1800		410	31	J	410
EP-02-00-SL	460	U	460	600		460	84	J	460	470		460	460	U	460
EP-03-00-SL	430	U	430	430	U	430	430	U	430	33	J	430	430	U	430
EP-04-00-SL	450	U	450	3900		450	450	U	450	410	J	450	28	J	450
EP-04-00-SL-FD	420	U	420	4300		420	420	U	420	330	J	420	33	J	420
EP-05-00-SL	420	U	420	420	U	420	420	U	420	33	J	420	420	U	420
EP-06-00-SL	400	U	400	63	J	400	400	U	400	840		400	21	J	400
EP-07-00-SL	410	U	410	410	U	410	410	U	410	110	J	410	410	U	410
EP-08-00-SL	390	U	390	31	J	390	390	U	390	38	J	390	390	U	390
EP-09-00-SL	430	U	430	430	U	430	430	U	430	59	J	430	430	U	430
EP-10-00-SL	390	U	390	54	J	390	390	U	390	34	J	390	390	U	390
EP-11-00-SL	460	U	460	460	U	460	460	U	460	67	J	460	460	U	460
EP-12-00-SL	430	U	430	430	U	430	430	U	430	34	J	430	430	U	430
GS-01-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
GS-01-00-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
GS-02-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-03-00-SL	390	U	390	390	U	390	390	U	390	21	J	390	390	U	390
GS-04-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-05-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
LF-01-00-SL	400	U	400	400	U	400	400	U	400	1400		400	36	J	400
LF-02-00-SL	370	U	370	99	J	370	370	U	370	78	J	370	370	U	370
LF-03-00-SL	380	U	380	380	U	380	380	U	380	140	J	380	380	U	380
LF-04-00-SL	410	U	410	410	U	410	410	U	410	220	J	410	410	U	410
LF-05-00-SL	390	U	390	390	U	390	390	U	390	110	J	390	390	U	390
NB-01-00-SL	440	U	440	190	J	440	440	U	440	24	J	440	440	U	440
NB-02-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-03-00-SL	420	U	420	420	U	420	420	U	420	17	J	420	420	U	420
NB-04-00-SL	400	U	400	400	U	400	400	U	400	420		400	400	U	400
NB-05-00-SL	410	U	410	410	U	410	410	U	410	240	J	410	410	U	410
NB-06-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-07-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-07-00-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-08-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-09-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-10-00-SL	430	U	430	430	U	430	430	U	430	55	J	430	430	U	430
NB-11-00-SL	440	U	440	440	U	440	440	U	440	390	J	440	440	U	440
NB-12-00-SL	440	U	440	440	U	440	440	U	440	39	J	440	440	U	440
NB-13-00-SL	440	U	440	440	U	440	440	U	440	26	J	440	440	U	440
NB-14-00-SL	550	U	550	550	U	550	550	U	550	6300		550	27	J	550
NB-15-00-SL	430	U	430	430	U	430	430	U	430	120	J	430	430	U	430
NB-16-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-17-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-18-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-19-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-20-00-SL	410	U	410	410	U	410	410	U	410	21	J	410	410	U	410
NB-21-00-SL	410	U	410	410	U	410	410	U	410	180	J	410	410	U	410
NB-22-00-SL	470	U	470	470	U	470	470	U	470	510		470	470	U	470
NB-23-00-SL	440	U	440	440	U	440	440	U	440	50	J	440	440	U	440
NB-24-00-SL	450	U	450	450	U	450	450	U	450	130	J	450	450	U	450
NB-25-00-SL	460	U	460	460	U	460	460	U	460	72	J	460	460	U	460
NB-26-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-27-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-27-00-SL-FD	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
OA-01-00-SL	780	U	780	780	U	780	780	UJ	780	76	J	780	780	U	780
OA-01-00-SL-FD	380	U	380	380	U	380	380	UJ	380	63	J	380	380	U	380
OA-02-00-SL	410	U	410	410	U	410	410	UJ	410	76	J	410	410	U	410

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-03-00-SL	400	U	400	400	U	400	400	UJ	400	32	J	400	400	U	400
OA-04-00-SL	420	U	420	420	U	420	420	U	420	200	J	420	420	U	420
OA-05-00-SL	420	U	420	420	U	420	420	U	420	480		420	420	U	420
OA-06-00-SL	390	U	390	390	U	390	390	U	390	110	J	390	390	U	390
OA-07-00-SL	400	U	400	400	U	400	400	U	400	2500		400	73	J	400
OA-08-00-SL	1600	U	1600	1600	U	1600	1600	U	1600	3000		1600	88	J	1600
OA-09-00-SL	380	U	380	380	U	380	380	U	380	400		380	380	U	380
OA-10-00-SL	400	U	400	400	U	400	400	U	400	1900		400	150	J	400
OA-11-00-SL	380	U	380	380	U	380	380	U	380	2000		380	28	J	380
OA-12-00-SL	430	U	430	430	U	430	430	U	430	260	J	430	430	U	430
OA-13-00-SL	440	U	440	440	U	440	440	U	440	620		440	440	U	440
OA-14-00-SL	430	U	430	41	J	430	430	U	430	55	J	430	430	U	430
OA-15-00-SL	410	U	410	410	U	410	410	U	410	11000		4100	210	J	410
OA-16-00-SL	420	U	420	420	U	420	420	U	420	14000		4200	530		420
OA-20-00-SL	440	U	440	440	U	440	440	U	440	22	J	440	440	U	440
OA-21-00-SL	380	U	380	380	U	380	380	U	380	40	J	380	380	U	380
OA-22-00-SL	360	U	360	39	J	360	360	U	360	73	J	360	360	U	360
OA-23-00-SL	370	U	370	370	U	370	370	U	370	1400		370	28	J	370
OA-24-00-SL	450	U	450	450	U	450	450	U	450	88	J	450	450	U	450
OA-25-00-SL	440	U	440	440	U	440	440	U	440	32	J	440	440	U	440
OA-26-00-SL	380	U	380	180	J	380	380	U	380	1300		380	22	J	380
OA-27-00-SL	400	U	400	400	U	400	400	U	400	93	J	400	400	U	400
OA-28-00-SL	430	U	430	430	U	430	430	U	430	130	J	430	430	U	430
OA-29-00-SL	400	U	400	400	U	400	400	U	400	42	J	400	400	U	400
OA-30-00-SL	400	U	400	400	U	400	400	U	400	28	J	400	400	U	400
OA-31-00-SL	410	U	410	410	U	410	410	U	410	340	J	410	410	U	410
OA-32-00-SL	410	U	410	410	U	410	410	U	410	270	J	410	410	U	410
OA-33-00-SL	400	U	400	400	U	400	400	U	400	330	J	400	400	U	400
OA-34-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
OA-35-00-SL	450	U	450	450	U	450	450	U	450	23	J	450	450	U	450
OA-36-00-SL	460	U	460	460	U	460	460	U	460	40	J	460	460	U	460
OA-37-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
OA-38-00-SL	420	U	420	420	U	420	420	U	420	18	J	420	420	U	420
OA-39-00-SL	440	U	440	440	U	440	440	U	440	30	J	440	440	U	440
OA-40-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
PL-01-00-SL	430	U	430	430	U	430	430	U	430	32	J	430	430	U	430
PL-02-00-SL	390	U	390	390	U	390	390	U	390	110	J	390	390	U	390
PL-03-00-SL	440	U	440	440	U	440	440	U	440	240	J	440	440	U	440

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
RR-01-00-SL	410	U	410	1100	=	410	410	UJ	410	79	J	410	410	U	410
RR-02-00-SL	430	U	430	430	U	430	430	U	430	17	J	430	430	U	430
RR-03-00-SL	420	U	420	420	U	420	420	U	420	150	J	420	420	U	420
SW-01-00-SL	430	U	430	430	U	430	430	UJ	430	34	J	430	430	U	430
SW-02-00-SL	450	U	450	41	J	450	450	UJ	450	48	J	450	450	U	450
SW-03-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
SW-04-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
LS-01-00-SL	380	U	380	380	U	380	380	U	380	25	J	380	380	U	380
LS-02-00-SL	380	U	380	380	U	380	380	U	380	110	J	380	380	U	380
LS-03-00-SL	390	U	390	390	U	390	390	U	390	520		390	390	U	390

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Hexachlorobenzene			Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene		
Result	Q	EQL		Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
390	U	390	BD-09-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
1200	U	1200	BD-10-00-SL	1200	U	1200	1200	U	1200	1200	U	1200	1200	U	1200	1200	U	1200
390	U	390	BD-11-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
400	U	400	BD-12-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
390	U	390	BP-01-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
460	U	460	BP-02-00-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
420	U	420	BP-03-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
410	U	410	BP-04-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
430	U	430	BP-05-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
410	U	410	BP-06-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
420	U	420	BP-07-00-SL	420	U	420	420	U	420	420	U	420	31	J	420	420	U	420
400	U	400	BP-08-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
410	U	410	BP-09-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
410	U	410	BP-10-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
400	U	400	BP-11-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
400	U	400	BP-12-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
420	U	420	CB-01-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
440	U	440	CB-01-00-SL-FD	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
400	U	400	DM-01-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
410	U	410	DM-02-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
410	U	410	EP-01-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
40	J	460	EP-02-00-SL	460	U	460	460	U	460	460	U	460	28	J	460	460	U	460
430	U	430	EP-03-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
450	U	450	EP-04-00-SL	450	U	450	450	U	450	450	U	450	37	J	450	450	U	450
420	U	420	EP-04-00-SL-FD	420	U	420	420	U	420	420	U	420	44	J	420	420	U	420
420	U	420	EP-05-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
400	U	400	EP-06-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
410	U	410	EP-07-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
390	U	390	EP-08-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
430	U	430	EP-09-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
390	U	390	EP-10-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
460	U	460	EP-11-00-SL	460	U	460	460	U	460	460	U	460	29	J	460	460	U	460
430	U	430	EP-12-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
410	U	410	GS-01-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
400	U	400	GS-01-00-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
430	U	430	GS-02-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
390	U	390	GS-03-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
430	U	430	GS-04-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Hexachlorobenzene			Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene		
Result	Q	EQL		Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
440	U	440	GS-05-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
400	U	400	LF-01-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
370	U	370	LF-02-00-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
380	U	380	LF-03-00-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
410	U	410	LF-04-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
390	U	390	LF-05-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
440	U	440	NB-01-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
400	U	400	NB-02-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
420	U	420	NB-03-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
400	U	400	NB-04-00-SL	400	U	400	400	U	400	400	U	400	81	J	400	400	U	400
410	U	410	NB-05-00-SL	410	U	410	410	U	410	410	U	410	27	J	410	410	U	410
410	U	410	NB-06-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
400	U	400	NB-07-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
410	U	410	NB-07-00-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
410	U	410	NB-08-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
430	U	430	NB-09-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
430	U	430	NB-10-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
440	U	440	NB-11-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
440	U	440	NB-12-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
440	U	440	NB-13-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
550	U	550	NB-14-00-SL	550	U	550	550	U	550	550	U	550	550	U	550	550	U	550
430	U	430	NB-15-00-SL	430	U	430	430	U	430	430	U	430	25	J	430	430	U	430
400	U	400	NB-16-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
410	U	410	NB-17-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
400	U	400	NB-18-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
430	U	430	NB-19-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
410	U	410	NB-20-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
410	U	410	NB-21-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
470	U	470	NB-22-00-SL	470	U	470	470	U	470	470	U	470	56	J	470	470	U	470
440	U	440	NB-23-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
450	U	450	NB-24-00-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
460	U	460	NB-25-00-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
410	U	410	NB-26-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
390	U	390	NB-27-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
390	U	390	NB-27-00-SL-FD	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
780	U	780	OA-01-00-SL	780	U	780	780	U	780	780	U	780	780	U	780	780	U	780
380	U	380	OA-01-00-SL-FD	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
410	U	410	OA-02-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Hexachlorobenzene			Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene		
Result	Q	EQL		Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
400	U	400	OA-03-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
420	U	420	OA-04-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
420	U	420	OA-05-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
390	U	390	OA-06-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
400	U	400	OA-07-00-SL	400	U	400	400	U	400	400	U	400	28	J	400	400	U	400
1600	U	1600	OA-08-00-SL	1600	U	1600	1600	U	1600	1600	U	1600	1600	U	1600	1600	U	1600
380	U	380	OA-09-00-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
400	U	400	OA-10-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
380	U	380	OA-11-00-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
430	U	430	OA-12-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
440	U	440	OA-13-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
430	U	430	OA-14-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
410	U	410	OA-15-00-SL	410	U	410	410	U	410	410	U	410	67	J	410	410	U	410
420	U	420	OA-16-00-SL	420	U	420	420	U	420	420	U	420	100	J	420	420	U	420
440	U	440	OA-20-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
380	U	380	OA-21-00-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
360	U	360	OA-22-00-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
370	U	370	OA-23-00-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
450	U	450	OA-24-00-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
440	U	440	OA-25-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
380	U	380	OA-26-00-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
400	U	400	OA-27-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
430	U	430	OA-28-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
400	U	400	OA-29-00-SL	400	U	400	400	U	400	200	J	400	400	U	400	400	U	400
400	U	400	OA-30-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
410	U	410	OA-31-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
410	U	410	OA-32-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
400	U	400	OA-33-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
410	U	410	OA-34-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
450	U	450	OA-35-00-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
460	U	460	OA-36-00-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
420	U	420	OA-37-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
420	U	420	OA-38-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
440	U	440	OA-39-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
430	U	430	OA-40-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
430	U	430	PL-01-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
390	U	390	PL-02-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
440	U	440	PL-03-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

Hexachlorobenzene			Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene		
Result	Q	EQL		Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
410	U	410	RR-01-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
430	U	430	RR-02-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
420	U	420	RR-03-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
430	U	430	SW-01-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
450	U	450	SW-02-00-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
400	U	400	SW-03-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
430	U	430	SW-04-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
380	U	380	LS-01-00-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
380	U	380	LS-02-00-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
390	U	390	LS-03-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

N-Nitroso-di- n-propylamine			Sample ID	N-Nitroso diphenylamine			Pentachlorophenol			Phenol		
Result	Q	EQL		Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
390	U	390	BD-09-00-SL	390	U	390	1900	U	1900	390	U	390
1200	U	1200	BD-10-00-SL	1200	U	1200	5900	U	5900	1200	U	1200
390	U	390	BD-11-00-SL	390	U	390	2000	U	2000	390	U	390
400	U	400	BD-12-00-SL	400	U	400	2000	U	2000	400	U	400
390	U	390	BP-01-00-SL	390	U	390	1900	U	1900	390	U	390
460	U	460	BP-02-00-SL	460	U	460	2300	U	2300	460	U	460
420	U	420	BP-03-00-SL	420	U	420	2100	U	2100	420	U	420
410	U	410	BP-04-00-SL	410	U	410	2100	U	2100	410	U	410
430	U	430	BP-05-00-SL	430	U	430	2200	U	2200	430	U	430
410	U	410	BP-06-00-SL	410	U	410	2100	U	2100	410	U	410
420	U	420	BP-07-00-SL	420	U	420	2100	U	2100	420	U	420
400	U	400	BP-08-00-SL	400	U	400	2000	U	2000	400	U	400
410	U	410	BP-09-00-SL	410	U	410	2100	U	2100	410	U	410
410	U	410	BP-10-00-SL	410	U	410	2100	U	2100	410	U	410
400	U	400	BP-11-00-SL	400	U	400	2000	U	2000	400	U	400
400	U	400	BP-12-00-SL	400	U	400	2000	U	2000	400	U	400
420	U	420	CB-01-00-SL	420	U	420	2100	U	2100	420	U	420
440	U	440	CB-01-00-SL-FD	440	U	440	2200	U	2200	440	U	440
400	U	400	DM-01-00-SL	400	U	400	2000	U	2000	400	U	400
410	U	410	DM-02-00-SL	410	U	410	2000	U	2000	410	U	410
410	U	410	EP-01-00-SL	410	U	410	2000	U	2000	410	U	410
460	U	460	EP-02-00-SL	460	U	460	2300	U	2300	460	U	460
430	U	430	EP-03-00-SL	430	U	430	2100	U	2100	430	U	430
450	U	450	EP-04-00-SL	450	U	450	2300	U	2300	450	U	450
420	U	420	EP-04-00-SL-FD	420	U	420	2100	U	2100	420	U	420
420	U	420	EP-05-00-SL	420	U	420	2100	U	2100	420	U	420
400	U	400	EP-06-00-SL	400	U	400	2000	U	2000	400	U	400
410	U	410	EP-07-00-SL	410	U	410	2000	U	2000	410	U	410
390	U	390	EP-08-00-SL	390	U	390	2000	U	2000	390	U	390
430	U	430	EP-09-00-SL	430	U	430	2200	U	2200	430	U	430
390	U	390	EP-10-00-SL	390	U	390	1900	U	1900	390	U	390
460	U	460	EP-11-00-SL	460	U	460	2300	U	2300	460	U	460
430	U	430	EP-12-00-SL	430	U	430	2100	U	2100	430	U	430
410	U	410	GS-01-00-SL	410	U	410	2100	U	2100	410	U	410
400	U	400	GS-01-00-SL-FD	400	U	400	2000	U	2000	400	U	400
430	U	430	GS-02-00-SL	430	U	430	2100	U	2100	430	U	430
390	U	390	GS-03-00-SL	390	U	390	1900	U	1900	390	U	390
430	U	430	GS-04-00-SL	430	U	430	2200	U	2200	430	U	430

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

N-Nitroso-di- n-propylamine			Sample ID	N-Nitroso diphenylamine			Pentachlorophenol			Phenol		
Result	Q	EQL		Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
440	U	440	GS-05-00-SL	440	U	440	2200	U	2200	440	U	440
400	U	400	LF-01-00-SL	400	U	400	2000	U	2000	400	U	400
370	U	370	LF-02-00-SL	370	U	370	1800	U	1800	370	U	370
380	U	380	LF-03-00-SL	380	U	380	1900	U	1900	380	U	380
410	U	410	LF-04-00-SL	410	U	410	2100	U	2100	410	U	410
390	U	390	LF-05-00-SL	390	U	390	2000	U	2000	390	U	390
440	U	440	NB-01-00-SL	440	U	440	2200	U	2200	440	U	440
400	U	400	NB-02-00-SL	400	U	400	2000	U	2000	400	U	400
420	U	420	NB-03-00-SL	420	U	420	2100	U	2100	420	U	420
400	U	400	NB-04-00-SL	400	U	400	2000	U	2000	400	U	400
410	U	410	NB-05-00-SL	410	U	410	2100	U	2100	410	U	410
410	U	410	NB-06-00-SL	410	U	410	2100	U	2100	410	U	410
400	U	400	NB-07-00-SL	400	U	400	2000	U	2000	400	U	400
410	U	410	NB-07-00-SL-FD	410	U	410	2000	U	2000	410	U	410
410	U	410	NB-08-00-SL	410	U	410	2000	U	2000	410	U	410
430	U	430	NB-09-00-SL	430	U	430	2100	U	2100	430	U	430
430	U	430	NB-10-00-SL	430	U	430	2200	U	2200	430	U	430
440	U	440	NB-11-00-SL	440	U	440	2200	U	2200	440	U	440
440	U	440	NB-12-00-SL	440	U	440	2200	U	2200	440	U	440
440	U	440	NB-13-00-SL	440	U	440	2200	U	2200	440	U	440
550	U	550	NB-14-00-SL	550	U	550	2700	U	2700	550	U	550
430	U	430	NB-15-00-SL	430	U	430	2200	U	2200	430	U	430
400	U	400	NB-16-00-SL	400	U	400	2000	U	2000	400	U	400
410	U	410	NB-17-00-SL	410	U	410	2100	U	2100	410	U	410
400	U	400	NB-18-00-SL	400	U	400	2000	U	2000	400	U	400
430	U	430	NB-19-00-SL	430	U	430	2200	U	2200	430	U	430
410	U	410	NB-20-00-SL	410	U	410	2100	U	2100	410	U	410
410	U	410	NB-21-00-SL	410	U	410	2000	U	2000	410	U	410
470	U	470	NB-22-00-SL	470	U	470	2300	U	2300	470	U	470
440	U	440	NB-23-00-SL	440	U	440	2200	U	2200	440	U	440
450	U	450	NB-24-00-SL	450	U	450	2200	U	2200	450	U	450
460	U	460	NB-25-00-SL	460	U	460	2300	U	2300	460	U	460
410	U	410	NB-26-00-SL	410	U	410	2100	U	2100	410	U	410
390	U	390	NB-27-00-SL	390	U	390	2000	U	2000	390	U	390
390	U	390	NB-27-00-SL-FD	390	U	390	2000	U	2000	390	U	390
780	U	780	OA-01-00-SL	780	U	780	3800	U	3800	780	U	780
380	U	380	OA-01-00-SL-FD	380	U	380	1900	U	1900	380	U	380
410	U	410	OA-02-00-SL	410	U	410	2000	U	2000	410	U	410

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

N-Nitroso-di- n-propylamine			Sample ID	N-Nitroso diphenylamine			Pentachlorophenol			Phenol		
Result	Q	EQL		Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
400	U	400	OA-03-00-SL	400	U	400	2000	U	2000	400	U	400
420	U	420	OA-04-00-SL	420	U	420	2100	U	2100	420	U	420
420	U	420	OA-05-00-SL	420	U	420	2100	U	2100	420	U	420
390	U	390	OA-06-00-SL	390	U	390	1900	U	1900	390	U	390
400	U	400	OA-07-00-SL	400	U	400	2000	U	2000	400	U	400
1600	U	1600	OA-08-00-SL	1600	U	1600	8100	U	8100	1600	U	1600
380	U	380	OA-09-00-SL	380	U	380	1900	U	1900	380	U	380
400	U	400	OA-10-00-SL	400	U	400	2000	U	2000	400	U	400
380	U	380	OA-11-00-SL	380	U	380	1900	U	1900	380	U	380
430	U	430	OA-12-00-SL	430	U	430	2100	U	2100	430	U	430
440	U	440	OA-13-00-SL	440	U	440	2200	U	2200	440	U	440
430	U	430	OA-14-00-SL	430	U	430	2200	U	2200	430	U	430
410	U	410	OA-15-00-SL	410	U	410	2000	U	2000	410	U	410
420	U	420	OA-16-00-SL	420	U	420	2100	U	2100	420	U	420
440	U	440	OA-20-00-SL	440	U	440	2200	U	2200	440	U	440
380	U	380	OA-21-00-SL	380	U	380	1900	U	1900	380	U	380
360	U	360	OA-22-00-SL	360	U	360	1800	U	1800	360	U	360
370	U	370	OA-23-00-SL	370	U	370	1900	U	1900	370	U	370
450	U	450	OA-24-00-SL	450	U	450	2200	U	2200	450	U	450
440	U	440	OA-25-00-SL	440	U	440	2200	U	2200	440	U	440
380	U	380	OA-26-00-SL	380	U	380	1900	U	1900	380	U	380
400	U	400	OA-27-00-SL	400	U	400	2000	U	2000	400	U	400
430	U	430	OA-28-00-SL	430	U	430	2100	U	2100	430	U	430
400	U	400	OA-29-00-SL	400	U	400	2000	U	2000	400	U	400
400	U	400	OA-30-00-SL	400	U	400	2000	U	2000	400	U	400
410	U	410	OA-31-00-SL	410	U	410	2100	U	2100	410	U	410
410	U	410	OA-32-00-SL	410	U	410	2100	U	2100	410	U	410
400	U	400	OA-33-00-SL	400	U	400	2000	U	2000	400	U	400
410	U	410	OA-34-00-SL	410	U	410	2100	U	2100	410	U	410
450	U	450	OA-35-00-SL	450	U	450	2300	U	2300	450	U	450
460	U	460	OA-36-00-SL	460	U	460	2300	U	2300	460	U	460
420	U	420	OA-37-00-SL	420	U	420	2100	U	2100	420	U	420
420	U	420	OA-38-00-SL	420	U	420	2100	U	2100	420	U	420
440	U	440	OA-39-00-SL	440	U	440	2200	U	2200	440	U	440
430	U	430	OA-40-00-SL	430	U	430	2100	U	2100	430	U	430
430	U	430	PL-01-00-SL	430	U	430	2100	U	2100	430	U	430
390	U	390	PL-02-00-SL	390	U	390	1900	U	1900	390	U	390
440	U	440	PL-03-00-SL	440	U	440	2200	U	2200	440	U	440

Table H.14a Organics (Base Neutral Acids) in Surface Soils (µg/kg)

N-Nitroso-di- n-propylamine			Sample ID	N-Nitroso diphenylamine			Pentachlorophenol			Phenol		
Result	Q	EQL		Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
410	U	410	RR-01-00-SL	410	U	410	2100	U	2100	410	U	410
430	U	430	RR-02-00-SL	430	U	430	2100	U	2100	430	U	430
420	U	420	RR-03-00-SL	420	U	420	2100	U	2100	420	U	420
430	U	430	SW-01-00-SL	430	U	430	2100	U	2100	430	U	430
450	U	450	SW-02-00-SL	450	U	450	2300	U	2300	450	U	450
400	U	400	SW-03-00-SL	400	U	400	2000	U	2000	400	U	400
430	U	430	SW-04-00-SL	430	U	430	2200	U	2200	430	U	430
380	U	380	LS-01-00-SL	380	U	380	1900	U	1900	380	U	380
380	U	380	LS-02-00-SL	380	U	380	1900	U	1900	380	U	380
390	U	390	LS-03-00-SL	390	U	390	2000	U	2000	390	U	390

Table H.14b Organics (Dioxins) in Surface Soils (pg/g)

Sample ID	1,2,3,4,6,7,8-HPCDD			1,2,3,4,6,7,8-HpCDF			1,2,3,4,7,8,9-HpCDF			1,2,3,4,7,8-HXCDD			1,2,3,4,7,8-HXCDF			1,2,3,6,7,8-HxCDD		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
CB-01-00-SL	110	J	0.19	5.5	U	0.2	0.46	U	0.29	1.2	U	0.24	1	U	0.13	2.6	U	0.23
CB-01-00-SL-FD	94	=	0.4	4.4	U	0.25	0.65	U	0.37	1.2	U	0.28	0.6	U	0.16	2	U	0.3
Sample ID	**1,2,3,6,7,8-HxCDF**			**1,2,3,7,8,9 -HxCDD**			**1,2,3,7,8,9-HxCDF**			**1,2,3,7,8-PeCDD**			**1,2,3,7,8-PeCDF**			**2,3,4,6,7,8-HxCDF**		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
CB-01-00-SL	0.45	U	0.14	8.7	U	0.23		U	0.17	0.73	U	0.21		U	0.16	0.39	U	0.13
CB-01-00-SL-FD	0.39	U	0.17	7.1	U	0.28		U	0.23	0.57	U	0.27		U	0.2	0.42	U	0.17
Sample ID	**2,3,4,7,8-PeCDF**			**2,3,7,8-TCDD**			**2,3,7,8-TCDF**			**OCDD**			**OCDF**					
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL			
CB-01-00-SL	0.62	U	0.13		U	0.28	0.7	J	0.3	5600	J	0.43	12	J	0.26			
CB-01-00-SL-FD	0.44	U	0.17		U	0.35	0.81	J	0.39	4600	=	0.76	11	J	0.38			

Table H.14c Organics (Polycyclic Aromatic Hydrocarbons) in Surface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	15	J	390	63	J	390	530		390	630		390	870		390
BD-10-00-SL	150	J	1200	670	J	1200	6400		1200	6600		1200	7800		1200
BD-11-00-SL	390	U	390	390	U	390	92	J	390	110	J	390	200	J	390
BD-12-00-SL	16	J	400	49	J	400	330	J	400	400		400	570		400
BP-01-00-SL	390	U	390	390	U	390	35	J	390	45	J	390	78	J	390
BP-02-00-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
BP-03-00-SL	420	U	420	420	U	420	21	J	420	19	J	420	32	J	420
BP-04-00-SL	410	U	410	410	U	410	19	J	410	21	J	410	32	J	410
BP-05-00-SL	430	U	430	430	U	430	62	J	430	76	J	430	120	J	430
BP-06-00-SL	410	U	410	410	U	410	21	J	410	41	J	410	89	J	410
BP-07-00-SL	420	U	420	420	U	420	22	J	420	21	J	420	37	J	420
BP-08-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
BP-09-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-10-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-11-00-SL	400	U	400	400	U	400	36	J	400	39	J	400	59	J	400
BP-12-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
CB-01-00-SL	420	U	420	420	U	420	49	J	420	63	J	420	110	J	420
CB-01-00-SL-FD	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
DM-01-00-SL	400	U	400	400	U	400	28	J	400	31	J	400	43	J	400
DM-02-00-SL	410	U	410	410	U	410	150	J	410	240	J	410	370	J	410
EP-01-00-SL	23	J	410	87	J	410	710		410	870		410	1300		410
EP-02-00-SL	460	U	460	460	U	460	320	J	460	210	J	460	740		460
EP-03-00-SL	430	U	430	430	U	430	18	J	430	16	J	430	26	J	430
EP-04-00-SL	17	J	450	37	J	450	220	J	450	200	J	450	520		450
EP-04-00-SL-FD	19	J	420	40	J	420	160	J	420	160	J	420	390	J	420
EP-05-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-06-00-SL	16	J	400	67	J	400	390	J	400	350	J	400	580		400
EP-07-00-SL	410	U	410	410	U	410	46	J	410	52	J	410	78	J	410
EP-08-00-SL	390	U	390	390	U	390	19	J	390	20	J	390	34	J	390
EP-09-00-SL	430	U	430	430	U	430	29	J	430	31	J	430	46	J	430
EP-10-00-SL	390	U	390	390	U	390	20	J	390	18	J	390	29	J	390
EP-11-00-SL	15	J	460	460	U	460	44	J	460	43	J	460	77	J	460
EP-12-00-SL	430	U	430	430	U	430	21	J	430	21	J	430	36	J	430
GS-01-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
GS-01-00-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
GS-02-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-03-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	22	J	390

Table H.14c Organics (Polycyclic Aromatic Hydrocarbons) in Surface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-04-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-05-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	21	J	440
LF-01-00-SL	25	J	400	110	J	400	640		400	900		400	1100		400
LF-02-00-SL	370	U	370	370	U	370	26	J	370	38	J	370	65	J	370
LF-03-00-SL	380	U	380	380	U	380	52	J	380	70	J	380	110	J	380
LF-04-00-SL	410	U	410	410	U	410	75	J	410	99	J	410	170	J	410
LF-05-00-SL	390	U	390	390	U	390	48	J	390	58	J	390	75	J	390
NB-01-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	29	J	440
NB-02-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-03-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	30	J	420
NB-04-00-SL	400	U	400	30	J	400	310	J	400	360	J	400	770		400
NB-05-00-SL	410	U	410	410	U	410	200	J	410	250	J	410	560		410
NB-06-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-07-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-07-00-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-08-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-09-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-10-00-SL	430	U	430	430	U	430	31	J	430	30	J	430	48	J	430
NB-11-00-SL	440	U	440	440	U	440	150	J	440	180	J	440	290	J	440
NB-12-00-SL	440	U	440	440	U	440	27	J	440	22	J	440	36	J	440
NB-13-00-SL	440	U	440	440	U	440	19	J	440	440	U	440	20	J	440
NB-14-00-SL	24	J	550	820		550	4500		550	3800		550	7000		1600
NB-15-00-SL	430	U	430	430	U	430	110	J	430	100	J	430	210	J	430
NB-16-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-17-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-18-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-19-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-20-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-21-00-SL	410	U	410	410	U	410	100	J	410	120	J	410	230	J	410
NB-22-00-SL	12	J	470	64	J	470	370	J	470	460	J	470	1100		470
NB-23-00-SL	440	U	440	440	U	440	28	J	440	28	J	440	36	J	440
NB-24-00-SL	450	U	450	450	U	450	64	J	450	67	J	450	110	J	450
NB-25-00-SL	460	U	460	460	U	460	35	J	460	41	J	460	74	J	460
NB-26-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	20	J	410
NB-27-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-27-00-SL-FD	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
OA-01-00-SL	780	U	780	780	U	780	67	J	780	61	J	780	84	J	780

Table H.14c Organics (Polycyclic Aromatic Hydrocarbons) in Surface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-01-00-SL-FD	380	U	380	380	U	380	33	J	380	41	J	380	54	J	380
OA-02-00-SL	410	U	410	410	U	410	37	J	410	61	J	410	86	J	410
OA-03-00-SL	400	U	400	400	U	400	20	J	400	24	J	400	33	J	400
OA-04-00-SL	420	U	420	420	U	420	76	J	420	98	J	420	200	J	420
OA-05-00-SL	420	U	420	420	U	420	200	J	420	270	J	420	530		420
OA-06-00-SL	390	U	390	390	U	390	40	J	390	54	J	390	88	J	390
OA-07-00-SL	57	J	400	280	J	400	2500		400	3200		400	3800		400
OA-08-00-SL	71	J	1600	210	J	1600	1400	J	1600	1700		1600	2800		1600
OA-09-00-SL	380	U	380	380	U	380	160	J	380	220	J	380	390		380
OA-10-00-SL	130	J	400	310	J	400	730		400	590		400	920		400
OA-11-00-SL	21	J	380	110	J	380	860		380	920		380	1300		380
OA-12-00-SL	430	U	430	430	U	430	100	J	430	130	J	430	200	J	430
OA-13-00-SL	440	U	440	29	J	440	230	J	440	300	J	440	520		440
OA-14-00-SL	430	U	430	430	U	430	29	J	430	29	J	430	46	J	430
OA-15-00-SL	160	J	410	490		410	3700		410	4600		410	7000		4100
OA-16-00-SL	380	J	420	1100		420	4700		420	5300		4200	6800		4200
OA-20-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
OA-21-00-SL	380	U	380	380	U	380	19	J	380	18	J	380	32	J	380
OA-22-00-SL	360	U	360	360	U	360	33	J	360	37	J	360	56	J	360
OA-23-00-SL	22	J	370	120	J	370	630		370	610		370	1000		370
OA-24-00-SL	450	U	450	450	U	450	44	J	450	37	J	450	53	J	450
OA-25-00-SL	440	U	440	440	U	440	18	J	440	20	J	440	32	J	440
OA-26-00-SL	20	J	380	39	J	380	470		380	590		380	1100		380
OA-27-00-SL	400	U	400	400	U	400	41	J	400	47	J	400	76	J	400
OA-28-00-SL	430	U	430	430	U	430	57	J	430	76	J	430	140	J	430
OA-29-00-SL	400	U	400	400	U	400	21	J	400	23	J	400	40	J	400
OA-30-00-SL	400	U	400	400	U	400	400	U	400	18	J	400	30	J	400
OA-31-00-SL	410	U	410	410	U	410	150	J	410	220	J	410	370	J	410
OA-32-00-SL	410	U	410	410	U	410	100	J	410	130	J	410	240	J	410
OA-33-00-SL	400	U	400	400	U	400	120	J	400	160	J	400	290	J	400
OA-34-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
OA-35-00-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
OA-36-00-SL	460	U	460	460	U	460	22	J	460	21	J	460	35	J	460
OA-37-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
OA-38-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
OA-39-00-SL	440	U	440	440	U	440	18	J	440	440	U	440	440	U	440
OA-40-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430

Table H.14c Organics (Polycyclic Aromatic Hydrocarbons) in Surface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
PL-01-00-SL	430	U	430	430	U	430	25	J	430	18	J	430	24	J	430
PL-02-00-SL	390	U	390	390	U	390	42	J	390	49	J	390	85	J	390
PL-03-00-SL	440	U	440	440	U	440	42	J	440	46	J	440	140	J	440
RR-01-00-SL	410	U	410	410	U	410	48	J	410	56	J	410	82	J	410
RR-02-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
RR-03-00-SL	420	U	420	420	U	420	65	J	420	74	J	420	120	J	420
SW-01-00-SL	430	U	430	430	U	430	20	J	430	21	J	430	31	J	430
SW-02-00-SL	450	U	450	450	U	450	29	J	450	30	J	450	42	J	450
SW-03-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
SW-04-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
LS-01-00-SL	380	U	380	380	U	380	16	J	380	380	U	380	20	J	380
LS-02-00-SL	380	U	380	380	U	380	47	J	380	54	J	380	82	J	380
LS-03-00-SL	390	U	390	27	J	390	240	J	390	320	J	390	440		390

Table H.14c Organics (Polycyclic Aromatic Hydrocarbons) in Surface Soils (µg/kg)

Sample ID	Benzo(k) fluoranthene			Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	400		390	660		390	390	U	390	440		390	2900		390
BD-10-00-SL	3200		1200	8100		1200	1200	U	1200	5000		1200	17000		2300
BD-11-00-SL	57	J	390	120	J	390	390	U	390	69	J	390	200	J	390
BD-12-00-SL	230	J	400	410		400	400	U	400	350	J	400	2000		400
BP-01-00-SL	38	J	390	43	J	390	390	U	390	390	U	390	150	J	390
BP-02-00-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
BP-03-00-SL	420	U	420	19	J	420	420	U	420	420	U	420	420	U	420
BP-04-00-SL	410	U	410	18	J	410	410	U	410	410	U	410	40	J	410
BP-05-00-SL	49	J	430	81	J	430	430	U	430	44	J	430	120	J	430
BP-06-00-SL	29	J	410	45	J	410	410	U	410	410	U	410	52	J	410
BP-07-00-SL	420	U	420	23	J	420	420	U	420	420	U	420	62	J	420
BP-08-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
BP-09-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-10-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-11-00-SL	400	U	400	42	J	400	400	U	400	400	U	400	57	J	400
BP-12-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
CB-01-00-SL	420	UJ	420	70	J	420	420	UJ	420	55	J	420	190	J	420
CB-01-00-SL-FD	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
DM-01-00-SL	400	U	400	32	J	400	400	U	400	400	U	400	55	J	400
DM-02-00-SL	160	J	410	240	J	410	410	U	410	290	J	410	940		410
EP-01-00-SL	530		410	870		410	410	U	410	580		410	2200		410
EP-02-00-SL	260	J	460	410	J	460	460	U	460	180	J	460	640		460
EP-03-00-SL	430	U	430	18	J	430	430	U	430	430	U	430	430	U	430
EP-04-00-SL	170	J	450	320	J	450	51	J	450	390	J	450	810		450
EP-04-00-SL-FD	140	J	420	260	J	420	420	U	420	310	J	420	700		420
EP-05-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-06-00-SL	210	J	400	430		400	400	U	400	240	J	400	1300		400
EP-07-00-SL	410	U	410	55	J	410	410	U	410	410	U	410	97	J	410
EP-08-00-SL	390	U	390	21	J	390	390	U	390	390	U	390	39	J	390
EP-09-00-SL	430	U	430	34	J	430	430	U	430	430	U	430	53	J	430
EP-10-00-SL	390	U	390	19	J	390	390	U	390	390	U	390	39	J	390
EP-11-00-SL	34	J	460	47	J	460	460	U	460	460	U	460	85	J	460
EP-12-00-SL	430	U	430	21	J	430	430	U	430	430	U	430	430	U	430
GS-01-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
GS-01-00-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
GS-02-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-03-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390

Table H.14c Organics (Polycyclic Aromatic Hydrocarbons) in Surface Soils (µg/kg)

Sample ID	Benzo(k) fluoranthene			Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-04-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-05-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
LF-01-00-SL	430		400	720		400	400	U	400	910		400	3600		400
LF-02-00-SL	39	J	370	52	J	370	370	U	370	29	J	370	130	J	370
LF-03-00-SL	40	J	380	71	J	380	380	U	380	39	J	380	120	J	380
LF-04-00-SL	56	J	410	100	J	410	410	U	410	61	J	410	190	J	410
LF-05-00-SL	32	J	390	60	J	390	390	U	390	35	J	390	92	J	390
NB-01-00-SL	440	U	440	26	J	440	440	U	440	440	U	440	440	U	440
NB-02-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-03-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-04-00-SL	220	J	400	400	J	400	400	U	400	270	J	400	660		400
NB-05-00-SL	180	J	410	270	J	410	410	U	410	180	J	410	270	J	410
NB-06-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-07-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-07-00-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-08-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-09-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-10-00-SL	430	U	430	28	J	430	430	U	430	430	U	430	46	J	430
NB-11-00-SL	100	J	440	180	J	440	440	U	440	130	J	440	360	J	440
NB-12-00-SL	440	U	440	20	J	440	440	U	440	440	U	440	440	U	440
NB-13-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-14-00-SL	2500		550	4400		550	550	U	550	2400		550	5800		1600
NB-15-00-SL	69	J	430	120	J	430	430	U	430	45	J	430	150	J	430
NB-16-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-17-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-18-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-19-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-20-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-21-00-SL	71	J	410	130	J	410	410	U	410	96	J	410	240	J	410
NB-22-00-SL	330	J	470	480		470	470	U	470	280	J	470	610		470
NB-23-00-SL	440	U	440	26	J	440	440	U	440	440	U	440	440	U	440
NB-24-00-SL	39	J	450	67	J	450	450	U	450	40	J	450	110	J	450
NB-25-00-SL	460	U	460	42	J	460	460	U	460	35	J	460	70	J	460
NB-26-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-27-00-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-27-00-SL-FD	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
OA-01-00-SL	780	UJ	780	77	J	780	780	UJ	780	780	UJ	780	280	J	780

Table H.14c Organics (Polycyclic Aromatic Hydrocarbons) in Surface Soils (µg/kg)

Sample ID	Benzo(k) fluoranthene			Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-01-00-SL-FD	380	UJ	380	57	J	380	380	UJ	380	52	J	380	170	J	380
OA-02-00-SL	33	J	410	73	J	410	410	UJ	410	74	J	410	210	J	410
OA-03-00-SL	400	UJ	400	20	J	400	400	UJ	400	400	UJ	400	64	J	400
OA-04-00-SL	75	J	420	96	J	420	420	U	420	420	U	420	280	J	420
OA-05-00-SL	180	J	420	280	J	420	420	U	420	140	J	420	590		420
OA-06-00-SL	40	J	390	63	J	390	390	U	390	34	J	390	86	J	390
OA-07-00-SL	1900		400	3000		400	400	U	400	3900		400	6300		1600
OA-08-00-SL	860	J	1600	1900		1600	1600	U	1600	1700		1600	7700		1600
OA-09-00-SL	140	J	380	230	J	380	380	U	380	120	J	380	330	J	380
OA-10-00-SL	370	J	400	810		400	200	U	400	200	J	400	1600		400
OA-11-00-SL	570		380	1100		380	380	U	380	500		380	2200		380
OA-12-00-SL	72	J	430	140	J	430	430	U	430	59	J	430	230	J	430
OA-13-00-SL	190	J	440	340	J	440	440	U	440	140	J	440	640		440
OA-14-00-SL	430	U	430	26	J	430	430	U	430	430	U	430	42	J	430
OA-15-00-SL	2300		410	5600		4100	440		410	2800	J	4100	13000		4100
OA-16-00-SL	2400		420	6700		4200	420	U	420	3200	J	4200	18000		4200
OA-20-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
OA-21-00-SL	380	U	380	20	J	380	380	U	380	380	U	380	380	U	380
OA-22-00-SL	25	J	360	38	J	360	360	U	360	360	U	360	63	J	360
OA-23-00-SL	350	J	370	720		370	35	J	370	330	J	370	1900		370
OA-24-00-SL	450	U	450	40	J	450	450	U	450	450	U	450	67	J	450
OA-25-00-SL	440	U	440	19	J	440	440	U	440	440	U	440	440	U	440
OA-26-00-SL	390		380	710		380	380	U	380	330	J	380	1300		380
OA-27-00-SL	29	J	400	45	J	400	400	U	400	400	U	400	70	J	400
OA-28-00-SL	93	J	430	79	J	430	430	U	430	430	U	430	320	J	430
OA-29-00-SL	400	U	400	22	J	400	400	U	400	400	U	400	400	U	400
OA-30-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
OA-31-00-SL	120	J	410	190	J	410	410	U	410	76	J	410	250	J	410
OA-32-00-SL	77	J	410	140	J	410	410	U	410	410	U	410	200	J	410
OA-33-00-SL	110	J	400	170	J	400	400	U	400	66	J	400	550		400
OA-34-00-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
OA-35-00-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
OA-36-00-SL	460	U	460	21	J	460	460	U	460	460	U	460	460	U	460
OA-37-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
OA-38-00-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
OA-39-00-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
OA-40-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430

Table H.14c Organics (Polycyclic Aromatic Hydrocarbons) in Surface Soils (µg/kg)

Sample ID	Benzo(k) fluoranthene			Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
PL-01-00-SL	430	U	430	39	J	430	430	U	430	430	U	430	100	J	430
PL-02-00-SL	33	J	390	58	J	390	390	U	390	36	J	390	81	J	390
PL-03-00-SL	47	J	440	110	J	440	440	U	440	32	J	440	150	J	440
RR-01-00-SL	32	J	410	48	J	410	410	UJ	410	63	J	410	150	J	410
RR-02-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
RR-03-00-SL	41	J	420	79	J	420	420	U	420	65	J	420	150	J	420
SW-01-00-SL	430	UJ	430	18	J	430	430	UJ	430	430	UJ	430	430	U	430
SW-02-00-SL	450	UJ	450	30	J	450	450	UJ	450	32	J	450	89	J	450
SW-03-00-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
SW-04-00-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
LS-01-00-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
LS-02-00-SL	31	J	380	55	J	380	380	U	380	380	U	380	110	J	380
LS-03-00-SL	170	J	390	300	J	390	390	U	390	310	J	390	1200		390

Table H.14d Organics (Pesticides) in Surface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
BD-10-00-SL	2.2		2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
BD-11-00-SL	2	U	2	1.8	J	2	2	U	2	2	U	2	2	U	2	20	U	20
BD-12-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
BP-01-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
BP-02-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
BP-03-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-04-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-05-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
BP-06-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-07-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-08-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
BP-09-00-SL	2.1	U	2.1	2.1	U	2.1	1.6	J	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-10-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-11-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
BP-12-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
CB-01-00-SL	2.1	UJ	2.1	2.1	U	2.1	1.8	J	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
CB-01-00-SL-FD	2.2	UJ	2.2	2.2	U	2.2	3	J	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
DM-01-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
DM-02-00-SL	2	U	2	2	U	2	7.3		2	2	U	2	2	U	2	20	U	20
EP-01-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
EP-02-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
EP-03-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-04-00-SL	2.3	U	2.3	2.3	U	2.3	20		2.3	2.3	U	2.3	31		2.3	23	U	23
EP-04-00-SL-FD	2.1	U	2.1	2.1	U	2.1	25		2.1	2.1	U	2.1	46		4.2	21	U	21
EP-05-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-06-00-SL	2	U	2	4.2		2	18		2	2	U	2	2	U	2	20	U	20
EP-07-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
EP-08-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
EP-09-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
EP-10-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
EP-11-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
EP-12-00-SL	2.1	U	2.1	2.1	U	2.1	1.4	J	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
GS-01-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
GS-01-00-SL-FD	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
GS-02-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
GS-03-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20

Table H.14d Organics (Pesticides) in Surface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-04-00-SL	2.2	U	2.2	2.2	U	2.2	2.5		2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
GS-05-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
LF-01-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
LF-02-00-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18
LF-03-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
LF-04-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
LF-05-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-01-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-02-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-03-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-04-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-05-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-06-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-07-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-07-00-SL-FD	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-08-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-09-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-10-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-11-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-12-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-13-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-14-00-SL	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	27	U	27
NB-15-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-16-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-17-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-18-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-19-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-20-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-21-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-22-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
NB-23-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-24-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-25-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
NB-26-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-27-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-27-00-SL-FD	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
OA-01-00-SL	1.9	UJ	1.9	4.7	J	1.9	11	=	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19

Table H.14d Organics (Pesticides) in Surface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-01-00-SL-FD	1.9	UJ	1.9	3.7	J	1.9	9.8	=	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
OA-02-00-SL	2	UJ	2	2	U	2	2	UJ	2	2	U	2	2	U	2	20	U	20
OA-03-00-SL	2	UJ	2	2	U	2	2	UJ	2	2	U	2	2	U	2	20	U	20
OA-04-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
OA-05-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
OA-06-00-SL	0.46	J	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
OA-07-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
OA-08-00-SL	2	U	2	0.32	J	2	25		2	2	U	2	2	U	2	20	U	20
OA-09-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
OA-10-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
OA-11-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
OA-12-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
OA-13-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
OA-14-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
OA-15-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
OA-16-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
OA-20-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
OA-21-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
OA-22-00-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18
OA-23-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
OA-24-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
OA-25-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
OA-26-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
OA-27-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
OA-28-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
OA-29-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
OA-30-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
OA-31-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
OA-32-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
OA-33-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
OA-34-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
OA-35-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
OA-36-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
OA-37-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
OA-38-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
OA-39-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
OA-40-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22

Table H.14d Organics (Pesticides) in Surface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
PL-01-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
PL-02-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
PL-03-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
RR-01-00-SL	2.1	UJ	2.1	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
RR-02-00-SL	2.1	UJ	2.1	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
RR-03-00-SL	2.1	UJ	2.1	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
SW-01-00-SL	2.1	UJ	2.1	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
SW-02-00-SL	2.3	UJ	2.3	2.3	U	2.3	4.8	J	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
SW-03-00-SL	2	UJ	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
SW-04-00-SL	2.1	UJ	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
LS-01-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
LS-02-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
LS-03-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20

Table H.14d Organics (Pesticides) in Surface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
BD-10-00-SL	7		2	2	U	2	1.2	J	2	2	U	2	2	U	2	2	U	2
BD-11-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
BD-12-00-SL	2.6		2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
BP-01-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
BP-02-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
BP-03-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-04-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-05-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
BP-06-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-07-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-08-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
BP-09-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-10-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-11-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
BP-12-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
CB-01-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
CB-01-00-SL-FD	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
DM-01-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
DM-02-00-SL	2	U	2	2	U	2	2	U	2	0.79	J	2	2	U	2	2	U	2
EP-01-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
EP-02-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
EP-03-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-04-00-SL	2.3	U	2.3	0.79	J	2.3	2.3	U	2.3	6.2		2.3	2.3	U	2.3	11		2.3
EP-04-00-SL-FD	2.1	U	2.1	1.1	J	2.1	2.1	U	2.1	7.4		2.1	2.1	U	2.1	13		2.1
EP-05-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-06-00-SL	1.4	J	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
EP-07-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
EP-08-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
EP-09-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
EP-10-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
EP-11-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
EP-12-00-SL	2.1	U	2.1	2.1	U	2.1	1.1	J	2.1	2	J	2.1	2.1	U	2.1	2.1	U	2.1
GS-01-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
GS-01-00-SL-FD	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
GS-02-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
GS-03-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2

Table H.14d Organics (Pesticides) in Surface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-04-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
GS-05-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
LF-01-00-SL	2	U	2	2	U	2	0.16	J	2	2	U	2	2	U	2	2	U	2
LF-02-00-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8
LF-03-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
LF-04-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
LF-05-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-01-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-02-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-03-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-04-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-05-00-SL	2.1	U	2.1	2.1	U	2.1	0.17	J	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-06-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-07-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-07-00-SL-FD	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-08-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-09-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-10-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-11-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-12-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-13-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-14-00-SL	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7
NB-15-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-16-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-17-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-18-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-19-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-20-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-21-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-22-00-SL	2.3	U	2.3	2.3	U	2.3	4.2		2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
NB-23-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-24-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-25-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
NB-26-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-27-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-27-00-SL-FD	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
OA-01-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9

Table H.14d Organics (Pesticides) in Surface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-01-00-SL-FD	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
OA-02-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
OA-03-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
OA-04-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
OA-05-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
OA-06-00-SL	1.9	U	1.9	1.9	U	1.9	0.34	J	1.9	1.7	J	1.9	1.9	U	1.9	1.9	U	1.9
OA-07-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
OA-08-00-SL	2	U	2	2	U	2	2	U	2	3		2	2	U	2	2	U	2
OA-09-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
OA-10-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
OA-11-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
OA-12-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
OA-13-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
OA-14-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
OA-15-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
OA-16-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
OA-20-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
OA-21-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
OA-22-00-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8
OA-23-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
OA-24-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
OA-25-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
OA-26-00-SL	1.9	U	1.9	1.9	U	1.9	0.45	J	1.9	2.8		1.9	1.9	U	1.9	1.9	U	1.9
OA-27-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
OA-28-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
OA-29-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
OA-30-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
OA-31-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
OA-32-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	6.3		2.1	2.1	U	2.1	2.1	U	2.1
OA-33-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
OA-34-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
OA-35-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
OA-36-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
OA-37-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
OA-38-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
OA-39-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
OA-40-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2

Table H.14d Organics (Pesticides) in Surface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
PL-01-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
PL-02-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
PL-03-00-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
RR-01-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	J	2.1	2.1	U	2.1	2.1	U	2.1
RR-02-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
RR-03-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	0.3	J	2.1	2.1	U	2.1	2.1	U	2.1
SW-01-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
SW-02-00-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.5	J	2.3	2.3	U	2.3	2.3	U	2.3
SW-03-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
SW-04-00-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
LS-01-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
LS-02-00-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
LS-03-00-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2

Table H.14d Organics (Pesticides) in Surface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	1.9	U	1.9	9.7	U	9.7	97	U	97
BD-10-00-SL	2	U	2	9.8	U	9.8	98	U	98
BD-11-00-SL	2	U	2	9.8	U	9.8	98	U	98
BD-12-00-SL	2	U	2	9.9	U	9.9	99	U	99
BP-01-00-SL	1.9	U	1.9	9.6	U	9.6	96	U	96
BP-02-00-SL	2.3	U	2.3	11	U	11	110	U	110
BP-03-00-SL	2.1	U	2.1	11	U	11	110	U	110
BP-04-00-SL	2.1	U	2.1	10	U	10	100	U	100
BP-05-00-SL	2.2	U	2.2	11	U	11	110	U	110
BP-06-00-SL	2.1	U	2.1	10	U	10	100	U	100
BP-07-00-SL	2.1	U	2.1	11	U	11	110	U	110
BP-08-00-SL	2	U	2	9.9	U	9.9	99	U	99
BP-09-00-SL	2.1	U	2.1	10	U	10	100	U	100
BP-10-00-SL	2.1	U	2.1	10	U	10	100	U	100
BP-11-00-SL	2	U	2	10	U	10	100	U	100
BP-12-00-SL	2	U	2	10	U	10	100	U	100
CB-01-00-SL	2.1	U	2.1	11	UJ	11	110	U	110
CB-01-00-SL-FD	2.2	U	2.2	11	UJ	11	110	U	110
DM-01-00-SL	2	U	2	10	U	10	100	U	100
DM-02-00-SL	2	U	2	10	U	10	100	U	100
EP-01-00-SL	2	U	2	10	U	10	100	U	100
EP-02-00-SL	2.3	U	2.3	11	U	11	110	U	110
EP-03-00-SL	2.1	U	2.1	11	U	11	110	U	110
EP-04-00-SL	2.3	U	2.3	11	U	11	110	U	110
EP-04-00-SL-FD	2.1	U	2.1	11	U	11	110	U	110
EP-05-00-SL	2.1	U	2.1	10	U	10	100	U	100
EP-06-00-SL	2	U	2	10	U	10	100	U	100
EP-07-00-SL	2	U	2	10	U	10	100	U	100
EP-08-00-SL	2	U	2	9.8	U	9.8	98	U	98
EP-09-00-SL	2.2	U	2.2	11	U	11	110	U	110
EP-10-00-SL	1.9	U	1.9	9.7	U	9.7	97	U	97
EP-11-00-SL	2.3	U	2.3	12	U	12	120	U	120
EP-12-00-SL	2.1	U	2.1	11	U	11	110	U	110
GS-01-00-SL	2.1	U	2.1	10	U	10	100	U	100
GS-01-00-SL-FD	2	U	2	10	U	10	100	U	100
GS-02-00-SL	2.1	U	2.1	11	U	11	110	U	110
GS-03-00-SL	2	U	2	9.8	U	9.8	98	U	98

Table H.14d Organics (Pesticides) in Surface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-04-00-SL	2.2	U	2.2	11	U	11	110	U	110
GS-05-00-SL	2.2	U	2.2	11	U	11	110	U	110
LF-01-00-SL	2	U	2	10	U	10	100	U	100
LF-02-00-SL	1.8	U	1.8	9.2	U	9.2	92	U	92
LF-03-00-SL	1.9	U	1.9	9.6	U	9.6	96	U	96
LF-04-00-SL	2.1	U	2.1	10	U	10	100	U	100
LF-05-00-SL	2	U	2	9.8	U	9.8	98	U	98
NB-01-00-SL	2.2	U	2.2	11	U	11	110	U	110
NB-02-00-SL	2	U	2	10	U	10	100	U	100
NB-03-00-SL	2.1	U	2.1	11	U	11	110	U	110
NB-04-00-SL	2	U	2	10	U	10	100	U	100
NB-05-00-SL	2.1	U	2.1	10	U	10	100	U	100
NB-06-00-SL	2.1	U	2.1	10	U	10	100	U	100
NB-07-00-SL	2	U	2	10	U	10	100	U	100
NB-07-00-SL-FD	2	U	2	10	U	10	100	U	100
NB-08-00-SL	2.1	U	2.1	10	U	10	100	U	100
NB-09-00-SL	2.1	U	2.1	11	U	11	110	U	110
NB-10-00-SL	2.2	U	2.2	11	U	11	110	U	110
NB-11-00-SL	2.2	U	2.2	11	U	11	110	U	110
NB-12-00-SL	2.2	U	2.2	11	U	11	110	U	110
NB-13-00-SL	2.2	U	2.2	11	U	11	110	U	110
NB-14-00-SL	2.7	U	2.7	14	U	14	140	U	140
NB-15-00-SL	2.2	U	2.2	11	U	11	110	U	110
NB-16-00-SL	2	U	2	10	U	10	100	U	100
NB-17-00-SL	2.1	U	2.1	10	U	10	100	U	100
NB-18-00-SL	2	U	2	10	U	10	100	U	100
NB-19-00-SL	2.2	U	2.2	11	U	11	110	U	110
NB-20-00-SL	2.1	U	2.1	10	U	10	100	U	100
NB-21-00-SL	2	U	2	10	U	10	100	U	100
NB-22-00-SL	2.3	U	2.3	12	U	12	120	U	120
NB-23-00-SL	2.2	U	2.2	11	U	11	110	U	110
NB-24-00-SL	2.2	U	2.2	11	U	11	110	U	110
NB-25-00-SL	2.3	U	2.3	11	U	11	110	U	110
NB-26-00-SL	2.1	U	2.1	10	U	10	100	U	100
NB-27-00-SL	2	U	2	9.9	U	9.9	99	U	99
NB-27-00-SL-FD	2	U	2	10	U	10	100	U	100
OA-01-00-SL	1.9	U	1.9	9.7	UJ	9.7	97	U	97

Table H.14d Organics (Pesticides) in Surface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-01-00-SL-FD	1.9	U	1.9	9.6	UJ	9.6	96	U	96
OA-02-00-SL	2	U	2	10	UJ	10	100	U	100
OA-03-00-SL	2	U	2	10	UJ	10	100	U	100
OA-04-00-SL	2.1	U	2.1	11	U	11	110	U	110
OA-05-00-SL	2.1	U	2.1	11	U	11	110	U	110
OA-06-00-SL	1.9	U	1.9	9.7	U	9.7	97	U	97
OA-07-00-SL	2	U	2	10	U	10	100	U	100
OA-08-00-SL	2	U	2	10	U	10	100	U	100
OA-09-00-SL	1.9	U	1.9	9.6	U	9.6	96	U	96
OA-10-00-SL	2	U	2	10	U	10	100	U	100
OA-11-00-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
OA-12-00-SL	2.1	U	2.1	11	U	11	110	U	110
OA-13-00-SL	2.2	U	2.2	11	U	11	110	U	110
OA-14-00-SL	2.2	U	2.2	11	U	11	110	U	110
OA-15-00-SL	2.1	U	2.1	10	U	10	100	U	100
OA-16-00-SL	2.1	U	2.1	11	U	11	110	U	110
OA-20-00-SL	2.2	U	2.2	11	U	11	110	U	110
OA-21-00-SL	1.9	U	1.9	9.6	U	9.6	96	U	96
OA-22-00-SL	1.8	U	1.8	9	U	9	90	U	90
OA-23-00-SL	1.9	U	1.9	9.4	U	9.4	94	U	94
OA-24-00-SL	2.3	U	2.3	11	U	11	110	U	110
OA-25-00-SL	2.2	U	2.2	11	U	11	110	U	110
OA-26-00-SL	1.9	U	1.9	9.4	U	9.4	94	U	94
OA-27-00-SL	2	U	2	10	U	10	100	U	100
OA-28-00-SL	2.2	U	2.2	11	U	11	110	U	110
OA-29-00-SL	2	U	2	10	U	10	100	U	100
OA-30-00-SL	2	U	2	10	U	10	100	U	100
OA-31-00-SL	2.1	U	2.1	10	U	10	100	U	100
OA-32-00-SL	2.1	U	2.1	10	U	10	100	U	100
OA-33-00-SL	2	U	2	10	U	10	100	U	100
OA-34-00-SL	2.1	U	2.1	10	U	10	100	U	100
OA-35-00-SL	2.3	U	2.3	11	U	11	110	U	110
OA-36-00-SL	2.3	U	2.3	11	U	11	110	U	110
OA-37-00-SL	2.1	U	2.1	11	U	11	110	U	110
OA-38-00-SL	2.1	U	2.1	11	U	11	110	U	110
OA-39-00-SL	2.2	U	2.2	11	U	11	110	U	110
OA-40-00-SL	2.2	U	2.2	11	U	11	110	U	110

Table H.14d Organics (Pesticides) in Surface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
PL-01-00-SL	2.1	U	2.1	11	U	11	110	U	110
PL-02-00-SL	2	U	2	9.8	U	9.8	98	U	98
PL-03-00-SL	2.2	U	2.2	11	U	11	110	U	110
RR-01-00-SL	2.1	U	2.1	10	UJ	10	100	U	100
RR-02-00-SL	2.1	U	2.1	11	UJ	11	110	U	110
RR-03-00-SL	2.1	U	2.1	10	UJ	10	100	U	100
SW-01-00-SL	2.1	U	2.1	11	UJ	11	110	U	110
SW-02-00-SL	2.3	U	2.3	11	UJ	11	110	U	110
SW-03-00-SL	2	U	2	10	U	10	100	U	100
SW-04-00-SL	2.1	U	2.1	11	U	11	110	U	110
LS-01-00-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
LS-02-00-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
LS-03-00-SL	2	U	2	9.9	U	9.9	99	U	99

Table H.14e Organics (Polychlorinated Biphenyls) in Surface Soils (µg/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	39	U	39	77	U	77	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
BD-10-00-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	180		39	39	U	39
BD-11-00-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	11	J	39
BD-12-00-SL	40	U	40	79	U	79	40	U	40	40	U	40	40	U	40	95		40	86		40
BP-01-00-SL	39	U	39	77	U	77	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
BP-02-00-SL	46	U	46	91	U	91	46	U	46	46	U	46	46	U	46	46	U	46	46	U	46
BP-03-00-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	13	J	42
BP-04-00-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
BP-05-00-SL	43	U	43	87	U	87	43	U	43	43	U	43	43	U	43	50		43	43	U	43
BP-06-00-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
BP-07-00-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	200		42	230		42
BP-08-00-SL	40	U	40	79	U	79	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
BP-09-00-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
BP-10-00-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
BP-11-00-SL	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
BP-12-00-SL	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
CB-01-00-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	18	J	42
CB-01-00-SL-FD	44	UJ	44	88	UJ	88	44	UJ	44	44	UJ	44	44	UJ	44	44	UJ	44	12	J	44
DM-01-00-SL	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	26	J	40
DM-02-00-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	69		40
EP-01-00-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	86		41
EP-02-00-SL	46	U	46	91	U	91	46	U	46	46	U	46	46	U	46	46	U	46	61		46
EP-03-00-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
EP-04-00-SL	140	U	140	270	U	270	140	U	140	140	U	140	140	U	140	140	U	140	300		140
EP-04-00-SL-FD	130	U	130	250	U	250	130	U	130	130	U	130	130	U	130	130	U	130	320		130
EP-05-00-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
EP-06-00-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	68		40	86		40
EP-07-00-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
EP-08-00-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	62		39
EP-09-00-SL	43	U	43	87	U	87	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
EP-10-00-SL	39	U	39	77	U	77	39	U	39	39	U	39	39	U	39	35	J	39	39	U	39
EP-11-00-SL	46	U	46	92	U	92	46	U	46	46	U	46	46	U	46	46	U	46	8.1	J	46
EP-12-00-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	20	J	43
GS-01-00-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
GS-01-00-SL-FD	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
GS-02-00-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
GS-03-00-SL	39	U	39	79	U	79	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
GS-04-00-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43

Table H.14e Organics (Polychlorinated Biphenyls) in Surface Soils (µg/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-05-00-SL	44	U	44	89	U	89	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
LF-01-00-SL	200	U	200	400	U	400	200	U	200	200	U	200	200	U	200	200	U	200	560		200
LF-02-00-SL	37	U	37	74	U	74	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37
LF-03-00-SL	38	U	38	77	U	77	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
LF-04-00-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
LF-05-00-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-01-00-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-02-00-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-03-00-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-04-00-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-05-00-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-06-00-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-07-00-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-07-00-SL-FD	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-08-00-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-09-00-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-10-00-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-11-00-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-12-00-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-13-00-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-14-00-SL	55	U	55	110	U	110	55	U	55	55	U	55	55	U	55	55	U	55	55	U	55
NB-15-00-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-16-00-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-17-00-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-18-00-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-19-00-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-20-00-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-21-00-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	46		41	41	U	41
NB-22-00-SL	47	U	47	93	U	93	47	U	47	47	U	47	47	U	47	47	U	47	47	U	47
NB-23-00-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-24-00-SL	45	U	45	89	U	89	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
NB-25-00-SL	46	U	46	91	U	91	46	U	46	46	U	46	46	U	46	46	U	46	46	U	46
NB-26-00-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-27-00-SL	39	U	39	79	U	79	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-27-00-SL-FD	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
OA-01-00-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	99	J	39	39	U	39
OA-01-00-SL-FD	38	U	38	77	U	77	38	U	38	38	U	38	38	U	38	43	J	38	38	U	38
OA-02-00-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	57	=	41	41	U	41

Table H.14e Organics (Polychlorinated Biphenyls) in Surface Soils (µg/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-03-00-SL	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
OA-04-00-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
OA-05-00-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
OA-06-00-SL	39	U	39	77	U	77	39	U	39	39	U	39	39	U	39	140		39	39	U	39
OA-07-00-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	42		40
OA-08-00-SL	160	U	160	320	U	320	160	U	160	160	U	160	160	U	160	160	U	160	400		160
OA-09-00-SL	38	U	38	77	U	77	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
OA-10-00-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
OA-11-00-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	45		38
OA-12-00-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
OA-13-00-SL	43	U	43	87	U	87	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
OA-14-00-SL	43	U	43	87	U	87	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
OA-15-00-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
OA-16-00-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	39	J	42
OA-20-00-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
OA-21-00-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
OA-22-00-SL	36	U	36	72	U	72	36	U	36	36	U	36	36	U	36	36	U	36	36	U	36
OA-23-00-SL	38	U	38	75	U	75	38	U	38	38	U	38	38	U	38	38	U	38	3.6	J	38
OA-24-00-SL	45	U	45	90	U	90	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
OA-25-00-SL	44	U	44	89	U	89	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
OA-26-00-SL	38	U	38	75	U	75	38	U	38	38	U	38	38	U	38	210		38	38	U	38
OA-27-00-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
OA-28-00-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
OA-29-00-SL	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
OA-30-00-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
OA-31-00-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
OA-32-00-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	38	J	41
OA-33-00-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	31	J	40
OA-34-00-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
OA-35-00-SL	46	U	46	92	U	92	46	U	46	46	U	46	46	U	46	46	U	46	46	U	46
OA-36-00-SL	46	U	46	92	U	92	46	U	46	46	U	46	46	U	46	46	U	46	46	U	46
OA-37-00-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
OA-38-00-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
OA-39-00-SL	44	U	44	87	U	87	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
OA-40-00-SL	43	U	43	87	U	87	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
PL-01-00-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
PL-02-00-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	21	J	39	39	U	39
PL-03-00-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44

Table H.14e Organics (Polychlorinated Biphenyls) in Surface Soils (µg/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
RR-01-00-SL	120	U	120	250	U	250	120	U	120	120	U	120	120	U	120	540	J	120	310	=	120
RR-02-00-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
RR-03-00-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	57	J	42	42	U	42
SW-01-00-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	7.7	J	43
SW-02-00-SL	45	U	45	90	U	90	45	U	45	45	U	45	45	U	45	45	U	45	37	J	45
SW-03-00-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
SW-04-00-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
LS-01-00-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
LS-02-00-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
LS-03-00-SL	39	U	39	79	U	79	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39

Table H.14f Organics (Petroleums) in Surface Soils (mg/kg)

Sample ID	Diesel fuel			Gasoline		
	Result	Q	EQL	Result	Q	EQL
GS-01-00-SL	6.2	U	6.2	0.62	U	0.62
GS-01-00-SL-FD	6.1	U	6.1	0.61	U	0.61
GS-02-00-SL	6.4	U	6.4	0.64	U	0.64
GS-03-00-SL	15	H,Z	5.9	0.59	U	0.59
GS-04-00-SL	35	H,Z	13	0.29	J	0.65
GS-05-00-SL	26	Z,H	6.7	0.66	U	0.66

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetra chloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene			1,2-Dibromo-3-Chloro-Propane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
BD-10-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BD-11-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BD-12-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BP-01-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
BP-02-00-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
BP-03-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-04-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-05-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BP-06-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-07-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-08-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BP-09-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-10-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-11-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BP-12-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
CB-01-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
CB-01-00-SL-FD	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
DM-01-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
DM-02-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-01-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-02-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
EP-03-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-04-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
EP-04-00-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-05-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-06-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
EP-07-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-08-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
EP-09-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
EP-10-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
EP-11-00-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
EP-12-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-01-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
GS-01-00-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
GS-02-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-03-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetra chloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene			1,2-Dibromo-3-Chloro-Propane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-04-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
GS-05-00-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
LF-01-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
LF-02-00-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
LF-03-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
LF-04-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-05-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-01-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-02-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-03-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-04-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-05-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-06-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-07-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-07-00-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-08-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-09-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-10-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-11-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-12-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-13-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-14-00-SL	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2
NB-15-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-16-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-17-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-18-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-19-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-20-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-21-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-22-00-SL	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7
NB-23-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-24-00-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
NB-25-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
NB-26-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-27-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-27-00-SL-FD	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
OA-01-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetra chloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene			1,2-Dibromo-3-Chloro-Propane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-01-00-SL-FD	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
OA-02-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-03-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
OA-04-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-05-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-06-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
OA-07-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-08-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-09-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
OA-10-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-11-00-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
OA-12-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
OA-13-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-14-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-15-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-16-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-20-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-21-00-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
OA-22-00-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
OA-23-00-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
OA-24-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
OA-25-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-26-00-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
OA-27-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-28-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-29-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
OA-30-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-31-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-32-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-33-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
OA-34-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-35-00-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
OA-36-00-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
OA-37-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
OA-38-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-39-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-40-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetra chloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene			1,2-Dibromo-3-Chloro-Propane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
PL-01-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
PL-02-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
PL-03-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
RR-01-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
RR-02-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
RR-03-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-01-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
SW-02-00-SL	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8
SW-03-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
SW-04-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
LS-01-00-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
LS-02-00-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
LS-03-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	1,2-Dibromoethane			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone			4-Methyl-2-pentanone			Acetone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12	12	U	12	12	U	12
BD-10-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12	12	U	12	12	U	12
BD-11-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12	12	U	12	12	U	12
BD-12-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12	12	U	12	12	U	12
BP-01-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12	12	U	12	12	U	12
BP-02-00-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14	14	U	14	14	U	14
BP-03-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	13	U	13
BP-04-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
BP-05-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13
BP-06-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
BP-07-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	13	U	13
BP-08-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
BP-09-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
BP-10-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
BP-11-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
BP-12-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
CB-01-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13	13	U	13	13	U	13
CB-01-00-SL-FD	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13	13	U	13	13	U	13
DM-01-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
DM-02-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
EP-01-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	7	J	12
EP-02-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14	14	U	14	14	U	14
EP-03-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13	13	U	13	13	U	13
EP-04-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14	14	U	14	14	U	14
EP-04-00-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	7.7	J	13
EP-05-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	13	U	13
EP-06-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
EP-07-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
EP-08-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12	12	U	12	12	U	12
EP-09-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	8.1	J	13
EP-10-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12	12	U	12	12	U	12
EP-11-00-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14	14	U	14	14	U	14
EP-12-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13	13	U	13	13	U	13
GS-01-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
GS-01-00-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
GS-02-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13	13	U	13	13	U	13
GS-03-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12	12	U	12	12	U	12

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	1,2-Dibromoethane			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone			4-Methyl-2-pentanone			Acetone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-04-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13
GS-05-00-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13	13	U	13	8.5	J	13
LF-01-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
LF-02-00-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	11	U	11	11	U	11	11	U	11
LF-03-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12	12	U	12	12	U	12
LF-04-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
LF-05-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12	12	U	12	12	U	12
NB-01-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13	13	U	13	13	U	13
NB-02-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
NB-03-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	13	U	13
NB-04-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
NB-05-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
NB-06-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
NB-07-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
NB-07-00-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
NB-08-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
NB-09-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13	13	U	13	13	U	13
NB-10-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13
NB-11-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13	13	U	13	13	U	13
NB-12-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13	13	U	13	13	U	13
NB-13-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13	13	U	13	13	U	13
NB-14-00-SL	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2	16	U	16	16	U	16	16	U	16	16	U	16
NB-15-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13
NB-16-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
NB-17-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
NB-18-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
NB-19-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13
NB-20-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
NB-21-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
NB-22-00-SL	7	U	7	7	U	7	7	U	7	14	U	14	14	U	14	14	U	14	14	U	14
NB-23-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13	13	U	13	13	U	13
NB-24-00-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13	13	U	13	13	U	13
NB-25-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14	14	U	14	14	U	14
NB-26-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
NB-27-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12	12	U	12	12	U	12
NB-27-00-SL-FD	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
OA-01-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12	12	U	12	12	U	12

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	1,2-Dibromoethane			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone			4-Methyl-2-pentanone			Acetone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-01-00-SL-FD	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12	12	U	12	12	U	12
OA-02-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
OA-03-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
OA-04-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	13	U	13
OA-05-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	13	U	13
OA-06-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12	12	U	12	12	U	12
OA-07-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
OA-08-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
OA-09-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12	12	U	12	12	U	12
OA-10-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
OA-11-00-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11	11	U	11	11	U	11
OA-12-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13	13	U	13	13	U	13
OA-13-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13
OA-14-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13
OA-15-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
OA-16-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	13	U	13
OA-20-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13	13	U	13	13	U	13
OA-21-00-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11	11	U	11	11	U	11
OA-22-00-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11	11	U	11	11	U	11	11	U	11
OA-23-00-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	11	U	11	11	U	11	11	U	11
OA-24-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14	14	U	14	14	U	14
OA-25-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13	13	U	13	13	U	13
OA-26-00-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	11	U	11	11	U	11	11	U	11
OA-27-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
OA-28-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13
OA-29-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
OA-30-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
OA-31-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
OA-32-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
OA-33-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
OA-34-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
OA-35-00-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14	14	U	14	14	U	14
OA-36-00-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14	14	U	14	14	U	14
OA-37-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13	13	U	13	13	U	13
OA-38-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	13	U	13
OA-39-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13	13	U	13	13	U	13
OA-40-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	1,2-Dibromoethane			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone			4-Methyl-2-pentanone			Acetone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
PL-01-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13	13	U	13	13	U	13
PL-02-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12	12	U	12	12	U	12
PL-03-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13	13	U	13	13	U	13
RR-01-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
RR-02-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13
RR-03-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	13	U	13
SW-01-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13	13	U	13	13	U	13
SW-02-00-SL	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8	14	UJ	14	14	UJ	14	14	UJ	14	14	UJ	14
SW-03-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
SW-04-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13
LS-01-00-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11	11	U	11	11	U	11
LS-02-00-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11	11	U	11	11	U	11
LS-03-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12	12	U	12	12	U	12

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	Benzene			Bromodichloro methane			Bromoform			Bromomethane			Carbon disulfide			Carbon tetrachloride			Chlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
BD-10-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BD-11-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BD-12-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BP-01-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
BP-02-00-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
BP-03-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-04-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-05-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BP-06-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-07-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-08-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
BP-09-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-10-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-11-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
BP-12-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
CB-01-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
CB-01-00-SL-FD	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
DM-01-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
DM-02-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-01-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-02-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
EP-03-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-04-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
EP-04-00-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-05-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-06-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
EP-07-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-08-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
EP-09-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
EP-10-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
EP-11-00-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
EP-12-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-01-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
GS-01-00-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
GS-02-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-03-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	Benzene			Bromodichloro methane			Bromoform			Bromomethane			Carbon disulfide			Carbon tetrachloride			Chlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-04-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
GS-05-00-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
LF-01-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
LF-02-00-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
LF-03-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
LF-04-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-05-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-01-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-02-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-03-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-04-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-05-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-06-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-07-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-07-00-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-08-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-09-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-10-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-11-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-12-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-13-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-14-00-SL	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2	16	U	16	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2
NB-15-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-16-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
NB-17-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-18-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-19-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-20-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-21-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-22-00-SL	7	U	7	7	U	7	7	U	7	14	U	14	7	U	7	7	U	7	7	U	7
NB-23-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-24-00-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
NB-25-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
NB-26-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-27-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-27-00-SL-FD	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
OA-01-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	Benzene			Bromodichloro methane			Bromoform			Bromomethane			Carbon disulfide			Carbon tetrachloride			Chlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-01-00-SL-FD	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
OA-02-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-03-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
OA-04-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-05-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-06-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
OA-07-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-08-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-09-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
OA-10-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-11-00-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
OA-12-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
OA-13-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-14-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-15-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-16-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-20-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-21-00-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
OA-22-00-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
OA-23-00-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
OA-24-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
OA-25-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-26-00-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
OA-27-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-28-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-29-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
OA-30-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-31-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-32-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-33-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
OA-34-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-35-00-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
OA-36-00-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
OA-37-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
OA-38-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-39-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-40-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	Benzene			Bromodichloro methane			Bromoform			Bromomethane			Carbon disulfide			Carbon tetrachloride			Chlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
PL-01-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
PL-02-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
PL-03-00-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
RR-01-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
RR-02-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
RR-03-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-01-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
SW-02-00-SL	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8	14	UJ	14	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8
SW-03-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
SW-04-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
LS-01-00-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
LS-02-00-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
LS-03-00-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	Chloroethane			Chloroform			Chloromethane			cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloromethane			Ethylbenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	12	U	12	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
BD-10-00-SL	12	U	12	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BD-11-00-SL	12	U	12	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BD-12-00-SL	12	U	12	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BP-01-00-SL	12	U	12	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
BP-02-00-SL	14	U	14	6.9	U	6.9	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
BP-03-00-SL	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-04-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-05-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BP-06-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-07-00-SL	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-08-00-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
BP-09-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-10-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-11-00-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
BP-12-00-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
CB-01-00-SL	13	U	13	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
CB-01-00-SL-FD	13	U	13	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
DM-01-00-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
DM-02-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-01-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-02-00-SL	14	U	14	6.8	U	6.8	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
EP-03-00-SL	13	U	13	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-04-00-SL	14	U	14	6.8	U	6.8	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
EP-04-00-SL-FD	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-05-00-SL	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-06-00-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
EP-07-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-08-00-SL	12	U	12	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
EP-09-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
EP-10-00-SL	12	U	12	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
EP-11-00-SL	14	U	14	6.9	U	6.9	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
EP-12-00-SL	13	U	13	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-01-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
GS-01-00-SL-FD	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
GS-02-00-SL	13	U	13	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-03-00-SL	12	U	12	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	Chloroethane			Chloroform			Chloromethane			cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloromethane			Ethylbenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-04-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
GS-05-00-SL	13	U	13	6.7	U	6.7	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
LF-01-00-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
LF-02-00-SL	11	U	11	5.5	U	5.5	11	U	11	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
LF-03-00-SL	12	U	12	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
LF-04-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-05-00-SL	12	U	12	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-01-00-SL	13	U	13	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-02-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-03-00-SL	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-04-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-05-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-06-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-07-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-07-00-SL-FD	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-08-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-09-00-SL	13	U	13	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-10-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-11-00-SL	13	U	13	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-12-00-SL	13	U	13	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-13-00-SL	13	U	13	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-14-00-SL	16	U	16	8.2	U	8.2	16	U	16	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2
NB-15-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-16-00-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
NB-17-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-18-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-19-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-20-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-21-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-22-00-SL	14	U	14	7	U	7	14	U	14	7	U	7	7	U	7	7	U	7	7	U	7
NB-23-00-SL	13	U	13	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-24-00-SL	13	U	13	6.7	U	6.7	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
NB-25-00-SL	14	U	14	6.8	U	6.8	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
NB-26-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-27-00-SL	12	U	12	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-27-00-SL-FD	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
OA-01-00-SL	12	U	12	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	Chloroethane			Chloroform			Chloromethane			cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloromethane			Ethylbenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-01-00-SL-FD	12	U	12	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
OA-02-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-03-00-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
OA-04-00-SL	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-05-00-SL	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-06-00-SL	12	U	12	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
OA-07-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-08-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-09-00-SL	12	U	12	5.8	U	5.8	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
OA-10-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-11-00-SL	11	U	11	5.7	U	5.7	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
OA-12-00-SL	13	U	13	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
OA-13-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-14-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-15-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-16-00-SL	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-20-00-SL	13	U	13	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-21-00-SL	11	U	11	5.7	U	5.7	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
OA-22-00-SL	11	U	11	5.4	U	5.4	11	U	11	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
OA-23-00-SL	11	U	11	5.6	U	5.6	11	U	11	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
OA-24-00-SL	14	U	14	6.8	U	6.8	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
OA-25-00-SL	13	U	13	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-26-00-SL	11	U	11	5.6	U	5.6	11	U	11	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
OA-27-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-28-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-29-00-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
OA-30-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-31-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-32-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-33-00-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
OA-34-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-35-00-SL	14	U	14	6.9	U	6.9	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
OA-36-00-SL	14	U	14	6.9	U	6.9	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
OA-37-00-SL	13	U	13	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
OA-38-00-SL	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-39-00-SL	13	U	13	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-40-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	Chloroethane			Chloroform			Chloromethane			cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloromethane			Ethylbenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
PL-01-00-SL	13	U	13	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
PL-02-00-SL	12	U	12	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
PL-03-00-SL	13	U	13	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
RR-01-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
RR-02-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
RR-03-00-SL	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-01-00-SL	13	U	13	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
SW-02-00-SL	14	UJ	14	6.8	UJ	6.8	14	UJ	14	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8
SW-03-00-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
SW-04-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
LS-01-00-SL	11	U	11	5.7	U	5.7	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
LS-02-00-SL	11	U	11	5.7	U	5.7	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
LS-03-00-SL	12	U	12	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	Methylene chloride			m-Xylene & p-Xylene			O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	1.6	JB	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
BD-10-00-SL	8.1	B	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	34		5.9	5.9	U	5.9	5.9	U	5.9
BD-11-00-SL	4.9	JB	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BD-12-00-SL	1.7	JB	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5	J	5.9	5.9	U	5.9	5.9	U	5.9
BP-01-00-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
BP-02-00-SL	2.3	JB	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
BP-03-00-SL	2.1	JB	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-04-00-SL	2	JB	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-05-00-SL	2	JB	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BP-06-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-07-00-SL	1.3	JB	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-08-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BP-09-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-10-00-SL	1.2	JB	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-11-00-SL	1.1	JB	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BP-12-00-SL	1.3	JB	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
CB-01-00-SL	1.2	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
CB-01-00-SL-FD	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
DM-01-00-SL	1.5	JB	6	6	U	6	6	U	6	6	U	6	6	U	6	2.1	J	6	6	U	6
DM-02-00-SL	1.4	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-01-00-SL	1.8	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-02-00-SL	4.5	JB	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
EP-03-00-SL	6	JB	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	1.6	J	6.4	6.4	U	6.4	6.4	U	6.4
EP-04-00-SL	1.7	JB	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.1	J	6.8	1.6	J	6.8	6.8	U	6.8
EP-04-00-SL-FD	2.3	JB	6.3	2.5	J	6.3	6.3	U	6.3	6.3	U	6.3	4.1	J	6.3	9.3		6.3	6.3	U	6.3
EP-05-00-SL	7.9	B	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	5.7	J	6.3	6.3	U	6.3	6.3	U	6.3
EP-06-00-SL	1.5	JB	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
EP-07-00-SL	1.4	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-08-00-SL	1.5	JB	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
EP-09-00-SL	1.7	JB	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
EP-10-00-SL	1.6	JB	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
EP-11-00-SL	2.1	JB	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
EP-12-00-SL	1.4	JB	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-01-00-SL	3.3	JB	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
GS-01-00-SL-FD	2.4	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
GS-02-00-SL	4.2	JB	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-03-00-SL	2.8	JB	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	Methylene chloride			m-Xylene & p-Xylene			O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-04-00-SL	3.6	JB	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
GS-05-00-SL	3.8	JB	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
LF-01-00-SL	1.7	JB	6	6	U	6	6	U	6	6	U	6	4.8	J	6	6	U	6	6	U	6
LF-02-00-SL	1.5	JB	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.4	J	5.5	5.5	U	5.5	5.5	U	5.5
LF-03-00-SL	1.7	JB	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
LF-04-00-SL	1.5	JB	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-05-00-SL	1.8	JB	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-01-00-SL	2.2	JB	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-02-00-SL	2.7	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-03-00-SL	2.6	JB	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-04-00-SL	6	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-05-00-SL	6.1	JB	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-06-00-SL	5.9	JB	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-07-00-SL	3.4	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-07-00-SL-FD	4.4	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-08-00-SL	3.7	JB	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-09-00-SL	2.6	JB	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-10-00-SL	3.4	JB	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-11-00-SL	2.3	JB	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-12-00-SL	2.5	JB	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-13-00-SL	2.7	JB	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-14-00-SL	3.4	JB	8.2	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2	8.2	U	8.2
NB-15-00-SL	2.4	JB	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-16-00-SL	4	JB	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-17-00-SL	4.2	JB	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-18-00-SL	3.8	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-19-00-SL	1.9	JB	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-20-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-21-00-SL	2.7	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-22-00-SL	2.2	JB	7	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7
NB-23-00-SL	2	JB	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	2.5	J	6.6	6.6	U	6.6	6.6	U	6.6
NB-24-00-SL	2.1	JB	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
NB-25-00-SL	2.4	JB	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
NB-26-00-SL	2.7	JB	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-27-00-SL	4.3	JB	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-27-00-SL-FD	1.9	JB	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
OA-01-00-SL	1.2	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	Methylene chloride			m-Xylene & p-Xylene			O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-01-00-SL-FD	4.1	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
OA-02-00-SL	1.3	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-03-00-SL	4.1	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
OA-04-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-05-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-06-00-SL	1.3	JB	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
OA-07-00-SL	1.3	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	9.1		6.1	6.1	U	6.1	6.1	U	6.1
OA-08-00-SL	2.3	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-09-00-SL	5.2	JB	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
OA-10-00-SL	5.8	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-11-00-SL	5.3	JB	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
OA-12-00-SL	7.6	B	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
OA-13-00-SL	5.2	JB	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-14-00-SL	5	JB	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-15-00-SL	3.7	JB	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-16-00-SL	1.6	JB	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-20-00-SL	3.8	JB	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-21-00-SL	3.5	JB	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
OA-22-00-SL	4.4	JB	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
OA-23-00-SL	4	JB	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
OA-24-00-SL	4.3	JB	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
OA-25-00-SL	1.6	JB	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-26-00-SL	6.1	B	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
OA-27-00-SL	2	JB	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-28-00-SL	3.9	J	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-29-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
OA-30-00-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-31-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-32-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-33-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
OA-34-00-SL	1.2	JB	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-35-00-SL	5.9	JB	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
OA-36-00-SL	1.4	JB	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
OA-37-00-SL	1.3	JB	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
OA-38-00-SL	5.2	JB	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
OA-39-00-SL	5.4	JB	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-40-00-SL	4.9	JB	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	Methylene chloride			m-Xylene & p-Xylene			O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
PL-01-00-SL	8	B	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
PL-02-00-SL	3.3	JB	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
PL-03-00-SL	3.1	JB	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
RR-01-00-SL	1.4	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
RR-02-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
RR-03-00-SL	3.6	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-01-00-SL	5	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
SW-02-00-SL	4.3	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8	6.8	UJ	6.8
SW-03-00-SL	4	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
SW-04-00-SL	4.3	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
LS-01-00-SL	3.1	J,B	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	2.7	J	5.7	5.7	U	5.7
LS-02-00-SL	2.4	J,B	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
LS-03-00-SL	1.5	J,B	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	trans-1,3-Dichloropropene			Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-09-00-SL	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
BD-10-00-SL	5.9	U	5.9	1.3	J	5.9	12	U	12	12	U	12
BD-11-00-SL	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
BD-12-00-SL	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
BP-01-00-SL	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
BP-02-00-SL	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14
BP-03-00-SL	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BP-04-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BP-05-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
BP-06-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BP-07-00-SL	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BP-08-00-SL	6	U	6	6	U	6	12	U	12	12	U	12
BP-09-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BP-10-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BP-11-00-SL	6	U	6	6	U	6	12	U	12	12	U	12
BP-12-00-SL	6	U	6	6	U	6	12	U	12	12	U	12
CB-01-00-SL	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
CB-01-00-SL-FD	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
DM-01-00-SL	6	U	6	6	U	6	12	U	12	12	U	12
DM-02-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
EP-01-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
EP-02-00-SL	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
EP-03-00-SL	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
EP-04-00-SL	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
EP-04-00-SL-FD	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
EP-05-00-SL	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
EP-06-00-SL	6	U	6	6	U	6	12	U	12	12	U	12
EP-07-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
EP-08-00-SL	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
EP-09-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
EP-10-00-SL	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
EP-11-00-SL	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14
EP-12-00-SL	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
GS-01-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
GS-01-00-SL-FD	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
GS-02-00-SL	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
GS-03-00-SL	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	trans-1,3-Dichloropropene			Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-04-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
GS-05-00-SL	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13
LF-01-00-SL	6	U	6	6	U	6	12	U	12	12	U	12
LF-02-00-SL	5.5	U	5.5	5.5	U	5.5	11	U	11	11	U	11
LF-03-00-SL	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
LF-04-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
LF-05-00-SL	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-01-00-SL	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-02-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-03-00-SL	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-04-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-05-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-06-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-07-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-07-00-SL-FD	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-08-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-09-00-SL	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-10-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
NB-11-00-SL	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-12-00-SL	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-13-00-SL	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-14-00-SL	8.2	U	8.2	8.2	U	8.2	16	U	16	16	U	16
NB-15-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
NB-16-00-SL	6	U	6	6	U	6	12	U	12	12	U	12
NB-17-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-18-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-19-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
NB-20-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-21-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-22-00-SL	7	U	7	7	U	7	14	U	14	14	U	14
NB-23-00-SL	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-24-00-SL	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13
NB-25-00-SL	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
NB-26-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-27-00-SL	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-27-00-SL-FD	6	U	6	6	U	6	12	U	12	12	U	12
OA-01-00-SL	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	trans-1,3-Dichloropropene			Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
OA-01-00-SL-FD	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
OA-02-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
OA-03-00-SL	6	U	6	6	U	6	12	U	12	12	U	12
OA-04-00-SL	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
OA-05-00-SL	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
OA-06-00-SL	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
OA-07-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
OA-08-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
OA-09-00-SL	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
OA-10-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
OA-11-00-SL	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
OA-12-00-SL	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
OA-13-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
OA-14-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
OA-15-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
OA-16-00-SL	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
OA-20-00-SL	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
OA-21-00-SL	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
OA-22-00-SL	5.4	U	5.4	5.4	U	5.4	11	U	11	11	U	11
OA-23-00-SL	5.6	U	5.6	5.6	U	5.6	11	U	11	11	U	11
OA-24-00-SL	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
OA-25-00-SL	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
OA-26-00-SL	5.6	U	5.6	5.6	U	5.6	11	U	11	11	U	11
OA-27-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
OA-28-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
OA-29-00-SL	6	U	6	6	U	6	12	U	12	12	U	12
OA-30-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
OA-31-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
OA-32-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
OA-33-00-SL	6	U	6	6	U	6	12	U	12	12	U	12
OA-34-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
OA-35-00-SL	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14
OA-36-00-SL	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14
OA-37-00-SL	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
OA-38-00-SL	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
OA-39-00-SL	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
OA-40-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13

Table H.14g Organics (Volatile Organic Compounds) in Surface Soil (µg/kg)

Sample ID	trans-1,3-Dichloropropene			Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
PL-01-00-SL	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
PL-02-00-SL	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
PL-03-00-SL	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
RR-01-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
RR-02-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
RR-03-00-SL	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
SW-01-00-SL	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
SW-02-00-SL	6.8	UJ	6.8	6.8	UJ	6.8	14	UJ	14	14	UJ	14
SW-03-00-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
SW-04-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
LS-01-00-SL	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
LS-02-00-SL	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
LS-03-00-SL	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12

Table H.14h Organics (Volatile Organic Compounds) in Off-site/Background Soils (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetra chloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Tri chlorobenzene			1,2-Dibromo-3-Chloro-Propane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BG-01-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BG-01-03-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BG-02-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-02-03-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
BG-03-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BG-03-03-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BG-04-00-SL	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3
BG-04-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-05-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-05-03-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BG-06-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-06-03-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BG-07-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-07-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
BG-08-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BG-08-03SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-09-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-09-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-10-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BG-10-03-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BG-11-00-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
BG-11-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-12-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
BG-12-03-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-13-00-SL	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4
BG-13-03-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BG-14-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BG-14-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-15-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BG-15-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
BG-16-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-16-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2

Table H.14h Organics (Volatile Organic Compounds) in Off-site/Background Soils (µg/kg)

Sample ID	1,2-Dibromoethane			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone			4-Methyl-2-pentanone			Acetone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BG-01-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
BG-01-03-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
BG-02-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
BG-02-03-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11	11	U	11	11	U	11
BG-03-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13
BG-03-03-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12	12	U	12	12	U	12
BG-04-00-SL	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	15	U	15	15	U	15	15	U	15	15	U	15
BG-04-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
BG-05-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
BG-05-03-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13	13	U	13	13	U	13
BG-06-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	13	U	13
BG-06-03-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13
BG-07-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
BG-07-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
BG-08-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13	13	U	13	13	U	13
BG-08-03SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
BG-09-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	13	U	13
BG-09-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
BG-10-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13	13	U	13	13	U	13
BG-10-03-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
BG-11-00-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13	13	U	13	13	U	13
BG-11-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
BG-12-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14	14	U	14	14	U	14
BG-12-03-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	13	U	13
BG-13-00-SL	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	15	U	15	15	U	15	15	U	15	15	U	15
BG-13-03-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13	13	U	13	13	U	13
BG-14-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13	13	U	13	13	U	13
BG-14-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12
BG-15-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12	12	U	12	12	U	12
BG-15-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12	12	U	12	12	U	12
BG-16-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13	13	U	13	13	U	13
BG-16-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12	12	U	12	12	U	12

Table H.14h Organics (Volatile Organic Compounds) in Off-site/Background Soils (µg/kg)

Sample ID	Benzene			Bromodichloro methane			Bromoform			Bromomethane			Carbon disulfide			Carbon tetrachloride			Chlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BG-01-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
BG-01-03-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
BG-02-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-02-03-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
BG-03-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BG-03-03-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BG-04-00-SL	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	15	U	15	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3
BG-04-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-05-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-05-03-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BG-06-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-06-03-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BG-07-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-07-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
BG-08-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BG-08-03SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-09-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-09-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-10-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BG-10-03-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
BG-11-00-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
BG-11-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-12-00-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
BG-12-03-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-13-00-SL	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	15	U	15	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4
BG-13-03-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BG-14-00-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BG-14-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-15-00-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6
BG-15-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
BG-16-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-16-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2

Table H.14h Organics (Volatile Organic Compounds) in Off-site/Background Soils (µg/kg)

Sample ID	Chloroethane			Chloroform			Chloromethane			cis-1,2-Di chloroethene			cis-1,3-Di chloropropene			Dibromochloro methane			Ethylbenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BG-01-00-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
BG-01-03-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
BG-02-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-02-03-SL	11	U	11	5.7	U	5.7	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
BG-03-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BG-03-03-SL	12	U	12	5.9	U	5.9	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BG-04-00-SL	15	U	15	7.3	U	7.3	15	U	15	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3
BG-04-03-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-05-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-05-03-SL	13	U	13	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BG-06-00-SL	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-06-03-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BG-07-00-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-07-03-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
BG-08-00-SL	13	U	13	6.5	U	6.5	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BG-08-03SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-09-00-SL	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-09-03-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-10-00-SL	13	U	13	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BG-10-03-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
BG-11-00-SL	13	U	13	6.7	U	6.7	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
BG-11-03-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-12-00-SL	14	U	14	6.8	U	6.8	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
BG-12-03-SL	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-13-00-SL	15	U	15	7.4	U	7.4	15	U	15	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4
BG-13-03-SL	13	U	13	6.6	U	6.6	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BG-14-00-SL	13	U	13	6.4	U	6.4	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BG-14-03-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-15-00-SL	12	U	12	6	U	6	12	U	12	6	U	6	6	U	6	6	U	6	6	U	6
BG-15-03-SL	12	U	12	6.1	U	6.1	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
BG-16-00-SL	13	U	13	6.3	U	6.3	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-16-03-SL	12	U	12	6.2	U	6.2	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2

Table H.14h Organics (Volatile Organic Compounds) in Off-site/Background Soils (µg/kg)

Sample ID	Methylene chloride			m-Xylene & p-Xylene			O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BG-01-00-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	1.7	J	6	6	U	6
BG-01-03-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BG-02-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-02-03-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	2.2	J	5.7	5.7	U	5.7
BG-03-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	2.3	J	6.5	6.5	U	6.5
BG-03-03-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BG-04-00-SL	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3
BG-04-03-SL	1.8	J	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-05-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-05-03-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	5.7	J	6.4	6.4	U	6.4
BG-06-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-06-03-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BG-07-00-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-07-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	2.3	J	6.1	6.1	U	6.1
BG-08-00-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BG-08-03SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-09-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.3	J	6.3	6.3	U	6.3
BG-09-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	1.3	J	6.2	6.2	U	6.2
BG-10-00-SL	21		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BG-10-03-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BG-11-00-SL	23		6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
BG-11-03-SL	23		6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-12-00-SL	17		6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
BG-12-03-SL	25		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-13-00-SL	15		7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4
BG-13-03-SL	15		6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BG-14-00-SL	15		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BG-14-03-SL	13		6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BG-15-00-SL	15		6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BG-15-03-SL	18		6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
BG-16-00-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BG-16-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2

Table H.14h Organics (Volatile Organic Compounds) in Off-site/Background Soils (µg/kg)

Sample ID	trans-1,3-Di chloropropene			Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BG-01-00-SL	6	U	6	6	U	6	12	U	12	12	U	12
BG-01-03-SL	6	U	6	6	U	6	12	U	12	12	U	12
BG-02-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BG-02-03-SL	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
BG-03-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
BG-03-03-SL	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
BG-04-00-SL	7.3	U	7.3	7.3	U	7.3	15	U	15	15	U	15
BG-04-03-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BG-05-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BG-05-03-SL	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
BG-06-00-SL	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BG-06-03-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
BG-07-00-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BG-07-03-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
BG-08-00-SL	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
BG-08-03SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BG-09-00-SL	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BG-09-03-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BG-10-00-SL	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
BG-10-03-SL	6	U	6	6	U	6	12	U	12	12	U	12
BG-11-00-SL	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13
BG-11-03-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BG-12-00-SL	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
BG-12-03-SL	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BG-13-00-SL	7.4	U	7.4	7.4	U	7.4	15	U	15	15	U	15
BG-13-03-SL	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
BG-14-00-SL	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
BG-14-03-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BG-15-00-SL	6	U	6	6	U	6	12	U	12	12	U	12
BG-15-03-SL	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
BG-16-00-SL	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BG-16-03-SL	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BD-13-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BD-13-23-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BD-13-30-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
BD-14-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BD-14-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BD-14-25-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
BD-14-31-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
BD-15-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BD-15-17-SL	490	U	490	490	U	490	2400	U	2400	490	U	490	490	U	490	490	U	490
BD-15-25-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
BD-15-31-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BD-16-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BD-16-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BD-16-19-SL	450	U	450	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450
BD-16-25-SL	470	U	470	470	U	470	2400	U	2400	470	U	470	470	U	470	470	U	470
BD-16-34-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
BLD240-01-01	400	U	0	400	U	0	2000	U	0	400	U	0	400	U	0	400	U	0
BLD240-01-31	410	U	0	410	U	0	2100	U	0	410	U	0	410	U	0	410	U	0
BLD240-01-31FD	410	U	0	410	U	0	2100	U	0	410	U	0	410	U	0	410	U	0
BLD240-03-04	410	U	0	410	U	0	2100	U	0	410	U	0	410	U	0	410	U	0
BLD240-03-14	420	U	0	420	U	0	2100	U	0	420	U	0	420	U	0	420	U	0
BLD240-04-02	400	U	0	400	U	0	2000	U	0	400	U	0	400	U	0	400	U	0
BLD240-04-33	390	U	0	390	U	0	1900	U	0	390	U	0	390	U	0	390	U	0
BLD240-05-01	420	U	0	420	U	0	2100	U	0	420	U	0	420	U	0	420	U	0
BLD240-05-23	450	U	0	450	U	0	2200	U	0	450	U	0	450	U	0	450	U	0
BLD253-02-01	370	U	0	370	U	0	1800	U	0	370	U	0	370	U	0	370	U	0
BLD253-02-21	430	U	0	430	U	0	2200	U	0	430	U	0	430	U	0	430	U	0
BLD253-02-21FD	430	U	0	430	U	0	2200	U	0	430	U	0	430	U	0	430	U	0
BLD255-07-02	400	U	0	400	U	0	2000	U	0	400	U	0	400	U	0	400	U	0
BLD255-07-33	440	U	0	440	U	0	2200	U	0	440	U	0	440	U	0	440	U	0
BLD255-08-01	390	U	0	390	U	0	2000	U	0	390	U	0	390	U	0	390	U	0
BLD255-08-24	460	U	0	460	U	0	2300	U	0	460	U	0	460	U	0	460	U	0
BLD260-06-01	440	U	0	440	U	0	2200	U	0	440	U	0	440	U	0	440	U	0
BLD260-06-31	400	U	0	400	U	0	2000	U	0	400	U	0	400	U	0	400	U	0
BP-13-05-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
BP-13-11-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BP-13-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	480	U	480	480	U	480	2400	U	2400	480	U	480	480	U	480	480	U	480
BP-13-35-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BP-17-05-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
BP-17-15-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
BP-17-23-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
BP-17-31-SL	450	U	450	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450
BP-18-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
BP-18-15-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
BP-18-25-SL	450	U	450	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450
BP-18-31-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
BP-19-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
BP-19-13-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
BP-19-25-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
BP-19-29-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
BP-20-03-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
BP-20-19-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
BP-20-27-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
BP-21-07-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BP-21-07-SL-FD	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
BP-21-13-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
BP-21-24-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
BP-21-34-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
BP-22-05-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
BP-22-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
BP-22-23-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
BP-22-33-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
CB-02-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
CB-02-05-SL-FD	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
CB-02-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
CB-02-25-SL	450	U	450	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450
DM-02-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
DM-02-17-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
DM-02-25-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
DM-02-33-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
DM-03-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
DM-03-05-SL-FD	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
DM-03-13-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
DM-03-25-SL	480	U	480	480	U	480	2400	U	2400	480	U	480	480	U	480	480	U	480

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
EP-13-06-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
EP-13-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
EP-13-25-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
EP-13-30-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
EP-14-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
EP-14-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
EP-14-25-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
EP-14-31-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
EP-15-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
EP-15-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
EP-15-25-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
EP-15-29-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
EP-16-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
EP-16-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
EP-16-27-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
EP-17-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
EP-17-15-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
EP-17-25-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
EP-17-30-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
EP-18-09-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
EP-18-09-SL-FD	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
EP-18-15-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
EP-18-29-SL	450	U	450	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450
EP-19-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
EP-19-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
EP-19-25-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
EP-19-31-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
EP-20-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
EP-20-15-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
EP-20-25-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
GS-06-05-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
GS-06-19-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
GS-06-25-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
GS-07-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
GS-07-15-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
GS-07-25-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
GS-09-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
GS-09-23-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
LF-06-05-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
LF-06-13-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
LF-06-27-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
LF-06-32-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
LF-07-03-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
LF-07-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
LF-07-25-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
LF-07-34-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
LF-08-03-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
LF-08-03-SL-FD	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
LF-08-15-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
LF-08-21-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
LF-08-37-SL	370	U	370	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370
LF-09-03-SL	370	U	370	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370
LF-09-17-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
LF-09-25-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
LF-09-31-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-28-04-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-28-14-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-28-24-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-28-35-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-29-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-29-14-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
NB-29-22-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-30-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-30-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-30-25-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-30-33-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-31-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-31-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-31-27-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
NB-31-32-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
NB-32-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-32-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-32-27-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-32-33-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-33-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-33-27-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-34-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-34-15-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-34-25-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-35-01-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-35-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-35-25-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-36-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-36-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-36-27-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-37-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-37-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-37-25-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-38-09-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-38-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-38-25-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
NB-39-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-39-15-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-39-25-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-39-30-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-40-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-40-05-SL-FD	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-40-17-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-40-25-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
NB-40-31-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-41-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-41-13-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-41-19-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-42-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-42-13-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-42-23-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
NB-43-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-43-13-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
NB-44-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-44-05-SL-FD	370	U	370	370	U	370	1800	U	1800	370	U	370	370	U	370	370	U	370
NB-44-11-SL	360	U	360	360	U	360	1800	U	1800	360	U	360	360	U	360	360	U	360

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
NB-45-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-45-05-SL-FD	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-45-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-45-25-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-45-33-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-46-09-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-46-17-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-46-25-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-46-29-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-47-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-47-15-SL	450	U	450	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450
NB-47-25-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-47-31-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
NB-48-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-48-11-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-48-15-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-48-25-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-48-35-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-49-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-49-05-SL-FD	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-49-15-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
NB-49-25-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
NB-49-37-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
NB-50-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-50-15-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-50-25-SL	470	U	470	470	U	470	2300	U	2300	470	U	470	470	U	470	470	U	470
NB-50-37-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-51-05-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-51-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-51-25-SL	450	U	450	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450
NB-51-37-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-52-05-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-52-13-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-52-25-SL	450	U	450	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450
NB-52-35-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-53-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-53-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-53-33-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-54-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-54-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-54-25-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
NB-54-31-SL	370	U	370	370	U	370	1800	U	1800	370	U	370	370	U	370	370	U	370
NB-55-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-55-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-55-25-SL	490	U	490	490	U	490	2500	U	2500	490	U	490	490	U	490	490	U	490
NB-55-33-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
NB-56-05-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-56-13-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-56-25-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-56-33-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
NB-57-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-57-05-SL-FD	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-57-15-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-57-29-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-57-34-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-58-05-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-58-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-58-29-SL	450	U	450	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450
NB-58-36-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
NB-59-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-59-13-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-59-25-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-59-31-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-60-05-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-60-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-60-23-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
NB-60-31-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-61-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-61-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-61-23-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-61-28-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-62-05-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
NB-62-12-SL	370	U	370	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370
NB-62-22-SL	370	U	370	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-63-13-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
NB-63-19-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-64-05-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-64-13-SL	360	U	360	360	U	360	1800	U	1800	360	U	360	360	U	360	360	U	360
NB-64-17-SL	370	U	370	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370
NB-65-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-65-13-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-65-17-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
NB-66-05-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-66-05-SL-FD	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-66-15-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-66-19-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-67-05-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-67-11-SL	360	U	360	360	U	360	1800	U	1800	360	U	360	360	U	360	360	U	360
NB-67-21-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-68-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-68-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-68-17-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-68-25-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
NB-68-33-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-69-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-69-15-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-69-22-SL	480	U	480	480	U	480	2400	U	2400	480	U	480	480	U	480	480	U	480
NB-69-34-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-70-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-70-15-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-70-23-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
NB-70-33-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-71-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-71-05-SL-FD	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-71-13-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-71-27-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-72-05-SL	370	U	370	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370
NB-72-11-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
NB-72-19-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-72-22-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-73-05-SL	370	U	370	370	U	370	1800	U	1800	370	U	370	370	U	370	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	370	U	370	370	U	370	1800	U	1800	370	U	370	370	U	370	370	U	370
NB-73-23-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-74-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-74-17-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-74-25-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-74-33-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-75-08-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-75-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-75-19-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-76-06-SL	360	U	360	360	U	360	1800	U	1800	360	U	360	360	U	360	360	U	360
NB-76-10-SL	370	U	370	370	U	370	1800	U	1800	370	U	370	370	U	370	370	U	370
NB-76-24-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
NB-77-05-SL	360	U	360	360	U	360	1800	U	1800	360	U	360	360	U	360	360	U	360
NB-77-13-SL	350	U	350	350	U	350	1800	U	1800	350	U	350	350	U	350	350	U	350
NB-77-24-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-78-07-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-78-11-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-78-18-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
NB-79-05-SL	390	U	390	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390
NB-79-05-SL-FD	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-79-11-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-79-24-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-80-05-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
NB-80-11-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-80-27-SL	370	U	370	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370
NB-81-05-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-81-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-81-31-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-82-05-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
NB-82-11-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
NB-82-20-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-83-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-83-11-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-83-23-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-84-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-84-15-SL	370	U	370	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370
NB-84-23-SL	390	U	390	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390
NB-84-33-SL	370	U	370	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
NB-85-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-85-25-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
NB-85-35-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
NB-86-05-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380
NB-86-15-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
NB-86-19-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
OA-18-03-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
OA-18-17-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
OA-18-25-SL	450	U	450	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450
OA-18-33-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
OA-19-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
OA-19-15-SL	450	U	450	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450
OA-19-25-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
OA-19-33-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
PL-04-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
PL-04-13-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
PL-04-23-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
PL-04-31-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
PL-05-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
PL-05-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
PL-05-28-SL	450	U	450	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450
PL-06-07-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
PL-06-13-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
PL-06-17-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
PL-06-29-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
PL-06-33-SL	360	U	360	360	U	360	1800	U	1800	360	U	360	360	U	360	360	U	360
RR-04-05-SL	440	U	440	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440
RR-04-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
RR-04-25-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
RR-05-05-SL	430	U	430	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430
RR-05-05-SL-FD	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
RR-05-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
RR-05-25-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
SW-02-01-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
SW-02-09-SL	430	U	430	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430
SW-02-15-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
SW-02-23-SL	470	U	470	470	U	470	2400	U	2400	470	U	470	470	U	470	470	U	470

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
SW-05-12-SL	400	U	400	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400
SW-06-05-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
SW-06-05-SL-FD	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
SW-06-13-SL	410	U	410	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410
SW-06-23-SL	450	U	450	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450
SW-07-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
SW-07-15-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
SW-07-23-SL	450	U	450	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450
SW-08-03-SL	410	U	410	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410
SW-08-05-SL	420	U	420	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420
SW-08-15-SL	460	U	460	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460
SW-08-25-SL	380	U	380	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BD-13-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BD-13-23-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BD-13-30-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
BD-14-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BD-14-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BD-14-25-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
BD-14-31-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
BD-15-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BD-15-17-SL	2400	U	2400	490	U	490	490	U	490	490	U	490	490	U	490	2400	U	2400
BD-15-25-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
BD-15-31-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BD-16-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BD-16-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BD-16-19-SL	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450	2300	U	2300
BD-16-25-SL	2400	U	2400	470	U	470	470	U	470	470	U	470	470	U	470	2400	U	2400
BD-16-34-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
BLD240-01-01	2000	U	0	400	U	0	400	U	0	400	U	0	400	U	0	2000	U	0
BLD240-01-31	2100	U	0	410	U	0	410	U	0	410	U	0	410	U	0	2100	U	0
BLD240-01-31FD	2100	U	0	410	U	0	410	U	0	410	U	0	410	U	0	2100	U	0
BLD240-03-04	2100	U	0	410	U	0	410	U	0	410	U	0	410	U	0	2100	U	0
BLD240-03-14	2100	U	0	420	U	0	420	U	0	420	U	0	420	U	0	2100	U	0
BLD240-04-02	2000	U	0	400	U	0	400	U	0	400	U	0	400	U	0	2000	U	0
BLD240-04-33	1900	U	0	390	U	0	390	U	0	390	U	0	390	U	0	1900	U	0
BLD240-05-01	2100	U	0	420	U	0	420	U	0	420	U	0	420	U	0	2100	U	0
BLD240-05-23	2200	U	0	450	U	0	450	U	0	450	U	0	450	U	0	2200	U	0
BLD253-02-01	1800	U	0	370	U	0	370	U	0	370	U	0	370	U	0	1800	U	0
BLD253-02-21	2200	U	0	430	U	0	430	U	0	430	U	0	430	U	0	2200	U	0
BLD253-02-21FD	2200	U	0	430	U	0	430	U	0	430	U	0	430	U	0	2200	U	0
BLD255-07-02	2000	U	0	400	U	0	400	U	0	400	U	0	400	U	0	2000	U	0
BLD255-07-33	2200	U	0	440	U	0	440	U	0	440	U	0	440	U	0	2200	U	0
BLD255-08-01	2000	U	0	390	U	0	390	U	0	390	U	0	390	U	0	2000	U	0
BLD255-08-24	2300	U	0	460	U	0	460	U	0	460	U	0	460	U	0	2300	U	0
BLD260-06-01	2200	U	0	440	U	0	440	U	0	440	U	0	440	U	0	2200	U	0
BLD260-06-31	2000	U	0	400	U	0	400	U	0	400	U	0	400	U	0	2000	U	0
BP-13-05-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
BP-13-11-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BP-13-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	2400	U	2400	480	U	480	480	U	480	480	U	480	480	U	480	2400	U	2400
BP-13-35-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BP-17-05-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
BP-17-15-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
BP-17-23-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
BP-17-31-SL	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450	2200	U	2200
BP-18-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
BP-18-15-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
BP-18-25-SL	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450	2200	U	2200
BP-18-31-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
BP-19-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
BP-19-13-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
BP-19-25-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
BP-19-29-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
BP-20-03-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
BP-20-19-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
BP-20-27-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
BP-21-07-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BP-21-07-SL-FD	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
BP-21-13-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
BP-21-24-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
BP-21-34-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
BP-22-05-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
BP-22-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
BP-22-23-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
BP-22-33-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
CB-02-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
CB-02-05-SL-FD	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
CB-02-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
CB-02-25-SL	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450	2300	U	2300
DM-02-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
DM-02-17-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
DM-02-25-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
DM-02-33-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
DM-03-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
DM-03-05-SL-FD	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
DM-03-13-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
DM-03-25-SL	2400	U	2400	480	U	480	480	U	480	480	U	480	480	U	480	2400	U	2400

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
EP-13-06-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
EP-13-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
EP-13-25-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
EP-13-30-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
EP-14-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
EP-14-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
EP-14-25-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
EP-14-31-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
EP-15-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
EP-15-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
EP-15-25-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
EP-15-29-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
EP-16-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
EP-16-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
EP-16-27-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
EP-17-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
EP-17-15-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
EP-17-25-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
EP-17-30-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
EP-18-09-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
EP-18-09-SL-FD	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
EP-18-15-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
EP-18-29-SL	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450	2200	U	2200
EP-19-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
EP-19-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
EP-19-25-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
EP-19-31-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
EP-20-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
EP-20-15-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
EP-20-25-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
GS-06-05-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
GS-06-19-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
GS-06-25-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
GS-07-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
GS-07-15-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
GS-07-25-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
GS-09-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
GS-09-23-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
LF-06-05-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
LF-06-13-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
LF-06-27-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
LF-06-32-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
LF-07-03-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
LF-07-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
LF-07-25-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
LF-07-34-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
LF-08-03-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
LF-08-03-SL-FD	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
LF-08-15-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
LF-08-21-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
LF-08-37-SL	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370	1900	U	1900
LF-09-03-SL	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370	1900	U	1900
LF-09-17-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
LF-09-25-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
LF-09-31-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-28-04-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-28-14-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-28-24-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-28-35-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-29-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-29-14-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
NB-29-22-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-30-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-30-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-30-25-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-30-33-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-31-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-31-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-31-27-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
NB-31-32-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
NB-32-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-32-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-32-27-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-32-33-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	34	J	380	1900	U	1900

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-33-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-33-27-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-34-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-34-15-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-34-25-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-35-01-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-35-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-35-25-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-36-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-36-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-36-27-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-37-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-37-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-37-25-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-38-09-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-38-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-38-25-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
NB-39-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-39-15-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-39-25-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-39-30-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-40-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-40-05-SL-FD	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-40-17-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-40-25-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
NB-40-31-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-41-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-41-13-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-41-19-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-42-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-42-13-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-42-23-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
NB-43-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-43-13-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
NB-44-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-44-05-SL-FD	1800	U	1800	370	U	370	370	U	370	370	U	370	370	U	370	1800	U	1800
NB-44-11-SL	1800	U	1800	360	U	360	360	U	360	360	U	360	360	U	360	1800	U	1800

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
NB-45-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-45-05-SL-FD	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-45-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-45-25-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-45-33-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-46-09-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-46-17-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-46-25-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-46-29-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-47-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-47-15-SL	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450	2200	U	2200
NB-47-25-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-47-31-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
NB-48-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-48-11-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-48-15-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-48-25-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-48-35-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-49-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-49-05-SL-FD	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-49-15-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
NB-49-25-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
NB-49-37-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
NB-50-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-50-15-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-50-25-SL	2300	U	2300	470	U	470	470	U	470	470	U	470	470	U	470	2300	U	2300
NB-50-37-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-51-05-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-51-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-51-25-SL	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450	2200	U	2200
NB-51-37-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-52-05-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-52-13-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-52-25-SL	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450	2300	U	2300
NB-52-35-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-53-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-53-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-53-33-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-54-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-54-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-54-25-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
NB-54-31-SL	1800	U	1800	370	U	370	370	U	370	370	U	370	370	U	370	1800	U	1800
NB-55-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-55-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-55-25-SL	2500	U	2500	490	U	490	490	U	490	490	U	490	490	U	490	2500	U	2500
NB-55-33-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
NB-56-05-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-56-13-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-56-25-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-56-33-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
NB-57-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-57-05-SL-FD	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-57-15-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-57-29-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-57-34-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-58-05-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-58-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-58-29-SL	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450	2300	U	2300
NB-58-36-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
NB-59-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-59-13-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-59-25-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-59-31-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-60-05-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-60-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-60-23-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
NB-60-31-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-61-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-61-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-61-23-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-61-28-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-62-05-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
NB-62-12-SL	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370	1900	U	1900
NB-62-22-SL	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370	1900	U	1900

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-63-13-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
NB-63-19-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-64-05-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-64-13-SL	1800	U	1800	360	U	360	360	U	360	360	U	360	360	U	360	1800	U	1800
NB-64-17-SL	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370	1900	U	1900
NB-65-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-65-13-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-65-17-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
NB-66-05-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-66-05-SL-FD	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-66-15-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-66-19-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-67-05-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-67-11-SL	1800	U	1800	360	U	360	360	U	360	360	U	360	360	U	360	1800	U	1800
NB-67-21-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-68-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-68-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-68-17-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-68-25-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
NB-68-33-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-69-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-69-15-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-69-22-SL	2400	U	2400	480	U	480	480	U	480	480	U	480	480	U	480	2400	U	2400
NB-69-34-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-70-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-70-15-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-70-23-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
NB-70-33-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-71-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-71-05-SL-FD	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-71-13-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-71-27-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-72-05-SL	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370	1900	U	1900
NB-72-11-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
NB-72-19-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-72-22-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-73-05-SL	1800	U	1800	370	U	370	370	U	370	370	U	370	370	U	370	1800	U	1800

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	1800	U	1800	370	U	370	370	U	370	370	U	370	370	U	370	1800	U	1800
NB-73-23-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-74-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-74-17-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-74-25-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-74-33-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-75-08-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-75-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-75-19-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-76-06-SL	1800	U	1800	360	U	360	360	U	360	360	U	360	360	U	360	1800	U	1800
NB-76-10-SL	1800	U	1800	370	U	370	370	U	370	370	U	370	370	U	370	1800	U	1800
NB-76-24-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
NB-77-05-SL	1800	U	1800	360	U	360	360	U	360	360	U	360	360	U	360	1800	U	1800
NB-77-13-SL	1800	U	1800	350	U	350	350	U	350	350	U	350	350	U	350	1800	U	1800
NB-77-24-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-78-07-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-78-11-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-78-18-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
NB-79-05-SL	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390	1900	U	1900
NB-79-05-SL-FD	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-79-11-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-79-24-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-80-05-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
NB-80-11-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-80-27-SL	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370	1900	U	1900
NB-81-05-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-81-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-81-31-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-82-05-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
NB-82-11-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
NB-82-20-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-83-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-83-11-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-83-23-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-84-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-84-15-SL	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370	1900	U	1900
NB-84-23-SL	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390	2000	U	2000
NB-84-33-SL	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370	1900	U	1900

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
NB-85-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-85-25-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
NB-85-35-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
NB-86-05-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900
NB-86-15-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
NB-86-19-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
OA-18-03-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
OA-18-17-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
OA-18-25-SL	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450	2200	U	2200
OA-18-33-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
OA-19-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
OA-19-15-SL	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450	2300	U	2300
OA-19-25-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
OA-19-33-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
PL-04-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
PL-04-13-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
PL-04-23-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
PL-04-31-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
PL-05-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
PL-05-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
PL-05-28-SL	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450	2300	U	2300
PL-06-07-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
PL-06-13-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
PL-06-17-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
PL-06-29-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
PL-06-33-SL	1800	U	1800	360	U	360	360	U	360	360	U	360	360	U	360	1800	U	1800
RR-04-05-SL	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440	2200	U	2200
RR-04-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
RR-04-25-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
RR-05-05-SL	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430	2100	U	2100
RR-05-05-SL-FD	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
RR-05-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
RR-05-25-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
SW-02-01-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
SW-02-09-SL	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430	2200	U	2200
SW-02-15-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
SW-02-23-SL	2400	U	2400	470	U	470	470	U	470	470	U	470	470	U	470	2400	U	2400

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
SW-05-12-SL	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400	2000	U	2000
SW-06-05-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
SW-06-05-SL-FD	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
SW-06-13-SL	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410	2100	U	2100
SW-06-23-SL	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450	2200	U	2200
SW-07-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
SW-07-15-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
SW-07-23-SL	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450	2200	U	2200
SW-08-03-SL	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410	2000	U	2000
SW-08-05-SL	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420	2100	U	2100
SW-08-15-SL	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460	2300	U	2300
SW-08-25-SL	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380	1900	U	1900

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-23-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-30-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
BD-14-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BD-14-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BD-14-25-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
BD-14-31-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
BD-15-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BD-15-17-SL	490	U	490	2400	U	2400	490	U	490	490	U	490	490	U	490	490	U	490
BD-15-25-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
BD-15-31-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-19-SL	450	U	450	2300	U	2300	450	U	450	170	J	450	450	U	450	450	U	450
BD-16-25-SL	470	U	470	2400	U	2400	470	U	470	470	U	470	470	U	470	470	U	470
BD-16-34-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
BLD240-01-01	400	U	0	2000	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BLD240-01-31	410	U	0	2100	U	0	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-01-31FD	410	U	0	2100	U	0	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-03-04	410	U	0	2100	U	0	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-03-14	420	U	0	2100	U	0	420	U	0	420	U	0	420	U	0	420	U	0
BLD240-04-02	400	U	0	2000	U	0	400	U	0	110	J	0	400	U	0	400	U	0
BLD240-04-33	390	U	0	1900	U	0	390	U	0	390	U	0	390	U	0	390	U	0
BLD240-05-01	420	U	0	2100	U	0	420	U	0	420	U	0	420	U	0	420	U	0
BLD240-05-23	450	U	0	2200	U	0	450	U	0	450	U	0	450	U	0	450	U	0
BLD253-02-01	370	U	0	1800	U	0	370	U	0	370	U	0	370	U	0	370	U	0
BLD253-02-21	430	U	0	2200	U	0	430	U	0	260	J	0	430	U	0	430	U	0
BLD253-02-21FD	430	U	0	2200	U	0	430	U	0	150	J	0	430	U	0	430	U	0
BLD255-07-02	400	U	0	2000	U	0	400	U	0	400	U	0	110	J	0	400	U	0
BLD255-07-33	440	U	0	2200	U	0	440	U	0	440	U	0	440	U	0	440	U	0
BLD255-08-01	390	U	0	2000	U	0	390	U	0	390	U	0	660		0	390	U	0
BLD255-08-24	460	U	0	2300	U	0	460	U	0	460	U	0	460	U	0	460	U	0
BLD260-06-01	440	U	0	2200	U	0	440	U	0	440	U	0	1500		0	440	U	0
BLD260-06-31	400	U	0	2000	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BP-13-05-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
BP-13-11-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BP-13-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	480	U	480	2400	U	2400	480	U	480	480	U	480	480	U	480	480	U	480
BP-13-35-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BP-17-05-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
BP-17-15-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
BP-17-23-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
BP-17-31-SL	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450
BP-18-05-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
BP-18-15-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
BP-18-25-SL	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450
BP-18-31-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
BP-19-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
BP-19-13-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
BP-19-25-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
BP-19-29-SL	440	U	440	2200	U	2200	440	U	440	1100		440	440	U	440	440	U	440
BP-20-03-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
BP-20-19-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
BP-20-27-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
BP-21-07-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BP-21-07-SL-FD	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
BP-21-13-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
BP-21-24-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
BP-21-34-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
BP-22-05-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
BP-22-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
BP-22-23-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
BP-22-33-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-05-SL-FD	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-25-SL	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450
DM-02-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
DM-02-17-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
DM-02-25-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
DM-02-33-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
DM-03-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
DM-03-05-SL-FD	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
DM-03-13-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
DM-03-25-SL	480	U	480	2400	U	2400	480	U	480	480	U	480	480	U	480	480	U	480

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
EP-13-06-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-25-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-30-SL	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390
EP-14-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
EP-14-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
EP-14-25-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
EP-14-31-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
EP-15-25-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-29-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
EP-16-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
EP-16-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
EP-16-27-SL	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390
EP-17-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
EP-17-15-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
EP-17-25-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
EP-17-30-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
EP-18-09-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
EP-18-09-SL-FD	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
EP-18-15-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
EP-18-29-SL	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450
EP-19-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-25-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-31-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
EP-20-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
EP-20-15-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
EP-20-25-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
GS-06-05-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
GS-06-19-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
GS-06-25-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
GS-07-05-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
GS-07-15-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
GS-07-25-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
GS-09-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
GS-09-23-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
LF-06-05-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
LF-06-13-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
LF-06-27-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
LF-06-32-SL	380	U	380	1900	U	1900	380	U	380	260	J	380	380	U	380	380	U	380
LF-07-03-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
LF-07-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
LF-07-25-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
LF-07-34-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
LF-08-03-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
LF-08-03-SL-FD	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
LF-08-15-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
LF-08-21-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
LF-08-37-SL	370	U	370	1900	U	1900	370	U	370	81	J	370	370	U	370	370	U	370
LF-09-03-SL	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370
LF-09-17-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
LF-09-25-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
LF-09-31-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-04-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-14-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-24-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
NB-28-35-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-29-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-29-14-SL	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390
NB-29-22-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-30-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-30-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-30-25-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-30-33-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-31-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-31-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-31-27-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
NB-31-32-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
NB-32-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-32-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-32-27-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-32-33-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-33-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-33-27-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-15-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-25-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-35-01-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-35-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-35-25-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-36-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-36-15-SL	420	U	420	2100	U	2100	420	U	420	670		420	420	U	420	420	U	420
NB-36-27-SL	420	U	420	2100	U	2100	420	U	420	110	J	420	420	U	420	420	U	420
NB-37-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-37-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-37-25-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-38-09-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-38-15-SL	420	U	420	2100	U	2100	420	U	420	140	J	420	420	U	420	420	U	420
NB-38-25-SL	430	U	430	2200	U	2200	430	U	430	120	J	430	430	U	430	430	U	430
NB-39-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-39-15-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
NB-39-25-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-39-30-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-40-05-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-40-05-SL-FD	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-40-17-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-40-25-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
NB-40-31-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-41-05-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-41-13-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-41-19-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-42-05-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-42-13-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-42-23-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
NB-43-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-43-13-SL	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390
NB-44-05-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-44-05-SL-FD	370	U	370	1800	U	1800	370	U	370	370	U	370	370	U	370	370	U	370
NB-44-11-SL	360	U	360	1800	U	1800	360	U	360	360	U	360	360	U	360	360	U	360

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
NB-45-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-45-05-SL-FD	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-45-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-45-25-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
NB-45-33-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-46-09-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
NB-46-17-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-46-25-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
NB-46-29-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-47-05-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-47-15-SL	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450
NB-47-25-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-47-31-SL	460	U	460	2300	U	2300	460	U	460	320	J	460	460	U	460	460	U	460
NB-48-05-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-48-11-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-15-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-25-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-35-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-49-05-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-49-05-SL-FD	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-49-15-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
NB-49-25-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
NB-49-37-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
NB-50-05-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-50-15-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
NB-50-25-SL	470	U	470	2300	U	2300	470	U	470	470	U	470	470	U	470	470	U	470
NB-50-37-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-51-05-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-51-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-51-25-SL	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450
NB-51-37-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-52-05-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-52-13-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
NB-52-25-SL	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450
NB-52-35-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-53-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	48	J	410
NB-53-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-53-33-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	250	J	430
NB-54-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-54-13-SL	420	U	420	2100	U	2100	420	U	420	91	J	420	420	U	420	420	U	420
NB-54-25-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
NB-54-31-SL	370	U	370	1800	U	1800	370	U	370	370	U	370	370	U	370	370	U	370
NB-55-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-55-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-55-25-SL	490	U	490	2500	U	2500	490	U	490	490	U	490	490	U	490	490	U	490
NB-55-33-SL	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390
NB-56-05-SL	410	U	410	2000	U	2000	410	U	410	2400		410	410	U	410	160	J	410
NB-56-13-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	65	J	430
NB-56-25-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-56-33-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
NB-57-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-57-05-SL-FD	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-57-15-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
NB-57-29-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-57-34-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-58-05-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-58-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-58-29-SL	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450
NB-58-36-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
NB-59-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-59-13-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
NB-59-25-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-59-31-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-60-05-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-60-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-60-23-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
NB-60-31-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-61-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-61-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-61-23-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
NB-61-28-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-62-05-SL	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390
NB-62-12-SL	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370
NB-62-22-SL	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	410	U	410	2100	U	2100	410	U	410	100	J	410	410	U	410	410	U	410
NB-63-13-SL	390	U	390	1900	U	1900	390	U	390	190	J	390	390	U	390	390	U	390
NB-63-19-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-64-05-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-64-13-SL	360	U	360	1800	U	1800	360	U	360	350	J	360	360	U	360	360	U	360
NB-64-17-SL	370	U	370	1900	U	1900	370	U	370	83	J	370	370	U	370	370	U	370
NB-65-05-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-65-13-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-65-17-SL	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390
NB-66-05-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-66-05-SL-FD	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-66-15-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-66-19-SL	380	U	380	1900	U	1900	380	U	380	160	J	380	380	U	380	380	U	380
NB-67-05-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-67-11-SL	360	U	360	1800	U	1800	360	U	360	180	J	360	360	U	360	360	U	360
NB-67-21-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-68-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-68-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-68-17-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-68-25-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
NB-68-33-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-05-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-15-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-22-SL	480	U	480	2400	U	2400	480	U	480	480	U	480	480	U	480	480	U	480
NB-69-34-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-70-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-70-15-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
NB-70-23-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
NB-70-33-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-05-SL-FD	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-13-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-27-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-72-05-SL	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370
NB-72-11-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
NB-72-19-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-72-22-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-73-05-SL	370	U	370	1800	U	1800	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	370	U	370	1800	U	1800	370	U	370	370	U	370	370	U	370	370	U	370
NB-73-23-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-74-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-74-17-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-74-25-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-74-33-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-75-08-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-75-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-75-19-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-76-06-SL	360	U	360	1800	U	1800	360	U	360	360	U	360	360	U	360	360	U	360
NB-76-10-SL	370	U	370	1800	U	1800	370	U	370	370	U	370	370	U	370	370	U	370
NB-76-24-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
NB-77-05-SL	360	U	360	1800	U	1800	360	U	360	360	U	360	360	U	360	360	U	360
NB-77-13-SL	350	U	350	1800	U	1800	350	U	350	350	U	350	350	U	350	350	U	350
NB-77-24-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-78-07-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-78-11-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-78-18-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
NB-79-05-SL	390	U	390	1900	U	1900	390	U	390	390	U	390	390	U	390	390	U	390
NB-79-05-SL-FD	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-79-11-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-79-24-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-80-05-SL	390	U	390	2000	U	2000	390	U	390	390	U	390	390	U	390	390	U	390
NB-80-11-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-80-27-SL	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370
NB-81-05-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-81-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-81-31-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-82-05-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
NB-82-11-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
NB-82-20-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-83-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-83-11-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-83-23-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-84-05-SL	400	U	400	2000	U	2000	400	U	400	86	J	400	400	U	400	400	U	400
NB-84-15-SL	370	U	370	1900	U	1900	370	U	370	120	J	370	370	U	370	370	U	370
NB-84-23-SL	390	U	390	2000	U	2000	390	U	390	140	J	390	390	U	390	390	U	390
NB-84-33-SL	370	U	370	1900	U	1900	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
NB-85-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-85-25-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
NB-85-35-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
NB-86-05-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380
NB-86-15-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
NB-86-19-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
OA-18-03-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
OA-18-17-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
OA-18-25-SL	450	U	450	2200	U	2200	450	U	450	130	J	450	450	U	450	450	U	450
OA-18-33-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
OA-19-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	78	J	410
OA-19-15-SL	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450
OA-19-25-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
OA-19-33-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
PL-04-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
PL-04-13-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
PL-04-23-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
PL-04-31-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
PL-05-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
PL-05-15-SL	420	U	420	2100	U	2100	420	U	420	89	J	420	420	U	420	420	U	420
PL-05-28-SL	450	U	450	2300	U	2300	450	U	450	450	U	450	450	U	450	450	U	450
PL-06-07-SL	410	U	410	2100	U	2100	410	U	410	110	J	410	410	U	410	410	U	410
PL-06-13-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
PL-06-17-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
PL-06-29-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
PL-06-33-SL	360	U	360	1800	U	1800	360	U	360	360	U	360	360	U	360	360	U	360
RR-04-05-SL	440	U	440	2200	U	2200	440	U	440	440	U	440	440	U	440	440	U	440
RR-04-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
RR-04-25-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
RR-05-05-SL	430	U	430	2100	U	2100	430	U	430	430	U	430	430	U	430	430	U	430
RR-05-05-SL-FD	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
RR-05-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
RR-05-25-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
SW-02-01-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
SW-02-09-SL	430	U	430	2200	U	2200	430	U	430	430	U	430	430	U	430	430	U	430
SW-02-15-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
SW-02-23-SL	470	U	470	2400	U	2400	470	U	470	470	U	470	470	U	470	470	U	470

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	400	U	400	2000	U	2000	400	U	400	220	J	400	400	U	400	400	U	400
SW-05-12-SL	400	U	400	2000	U	2000	400	U	400	400	U	400	400	U	400	400	U	400
SW-06-05-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-05-SL-FD	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-13-SL	410	U	410	2100	U	2100	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-23-SL	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450
SW-07-05-SL	420	U	420	2100	U	2100	420	U	420	91	J	420	420	U	420	420	U	420
SW-07-15-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
SW-07-23-SL	450	U	450	2200	U	2200	450	U	450	450	U	450	450	U	450	450	U	450
SW-08-03-SL	410	U	410	2000	U	2000	410	U	410	410	U	410	410	U	410	410	U	410
SW-08-05-SL	420	U	420	2100	U	2100	420	U	420	420	U	420	420	U	420	420	U	420
SW-08-15-SL	460	U	460	2300	U	2300	460	U	460	460	U	460	460	U	460	460	U	460
SW-08-25-SL	380	U	380	1900	U	1900	380	U	380	380	U	380	380	U	380	380	U	380

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachloro benzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-15-SL	420	U	420	420	U	420	420	U	420	20	J	420	420	U	420	420	U	420
BD-13-23-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-30-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BD-14-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-14-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-14-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BD-14-31-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BD-15-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-15-17-SL	490	U	490	490	U	490	490	U	490	490	U	490	490	U	490	490	U	490
BD-15-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BD-15-31-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-19-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
BD-16-25-SL	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470
BD-16-34-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BLD240-01-01	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BLD240-01-31	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-01-31FD	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-03-04	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-03-14	420	U	0	420	U	0	420	U	0	420	U	0	420	U	0	420	U	0
BLD240-04-02	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BLD240-04-33	390	U	0	390	U	0	390	U	0	390	U	0	390	U	0	390	U	0
BLD240-05-01	420	U	0	420	U	0	420	U	0	420	U	0	420	U	0	420	U	0
BLD240-05-23	450	U	0	450	U	0	450	U	0	450	U	0	450	U	0	450	U	0
BLD253-02-01	370	U	0	370	U	0	370	U	0	370	U	0	370	U	0	370	U	0
BLD253-02-21	430	U	0	430	U	0	430	U	0	430	U	0	430	U	0	430	U	0
BLD253-02-21FD	430	U	0	430	U	0	430	U	0	430	U	0	430	U	0	430	U	0
BLD255-07-02	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BLD255-07-33	440	U	0	440	U	0	440	U	0	440	U	0	440	U	0	440	U	0
BLD255-08-01	390	U	0	390	U	0	390	U	0	390	U	0	390	U	0	390	U	0
BLD255-08-24	460	U	0	460	U	0	460	U	0	460	U	0	460	U	0	460	U	0
BLD260-06-01	440	U	0	280	J	0	440	U	0	440	U	0	440	U	0	440	U	0
BLD260-06-31	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BP-13-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-13-11-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BP-13-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachloro benzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480
BP-13-35-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BP-17-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-17-15-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
BP-17-23-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BP-17-31-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
BP-18-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
BP-18-15-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BP-18-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
BP-18-31-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
BP-19-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-19-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-19-25-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
BP-19-29-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BP-20-03-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-20-19-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-20-27-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-21-07-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BP-21-07-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-21-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-21-24-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-21-34-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
BP-22-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-22-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BP-22-23-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-22-33-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-05-SL-FD	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
DM-02-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
DM-02-17-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
DM-02-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
DM-02-33-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
DM-03-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
DM-03-05-SL-FD	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
DM-03-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
DM-03-25-SL	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachloro benzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
EP-13-06-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-30-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
EP-14-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-14-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-14-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-14-31-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-15-25-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-29-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-16-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-16-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-16-27-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
EP-17-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-17-15-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-17-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-17-30-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-18-09-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
EP-18-09-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
EP-18-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-18-29-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
EP-19-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-31-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
EP-20-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-20-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-20-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-06-05-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
GS-06-19-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
GS-06-25-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
GS-07-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
GS-07-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-07-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-09-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachloro benzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-09-23-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
LF-06-05-SL	410	U	410	410	U	410	410	U	410	31	J	410	410	U	410	410	U	410
LF-06-13-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
LF-06-27-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
LF-06-32-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
LF-07-03-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
LF-07-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
LF-07-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
LF-07-34-SL	400	U	400	400	U	400	400	U	400	21	J	400	400	U	400	400	U	400
LF-08-03-SL	410	U	410	410	U	410	410	U	410	250	J	410	410	U	410	410	U	410
LF-08-03-SL-FD	410	U	410	410	U	410	410	U	410	110	J	410	410	U	410	410	U	410
LF-08-15-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
LF-08-21-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
LF-08-37-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
LF-09-03-SL	370	U	370	370	U	370	370	U	370	250	J	370	370	U	370	370	U	370
LF-09-17-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
LF-09-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
LF-09-31-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-04-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-14-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-24-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-28-35-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-29-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-29-14-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-29-22-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-30-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-30-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-30-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-30-33-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-31-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-31-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-31-27-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-31-32-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-32-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-32-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-32-27-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-32-33-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachloro benzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-33-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-33-27-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-15-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-25-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-35-01-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-35-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-35-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-36-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-36-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-36-27-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-37-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-37-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-37-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-38-09-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-38-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-38-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-39-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-39-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-39-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-39-30-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-40-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-40-05-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-40-17-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-40-25-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-40-31-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-41-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-41-13-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-41-19-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-42-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-42-13-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-42-23-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-43-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-43-13-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-44-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-44-05-SL-FD	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-44-11-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachloro benzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-45-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-45-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-45-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-45-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-45-33-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-46-09-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-46-17-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-46-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-46-29-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-47-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-47-15-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
NB-47-25-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-47-31-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-48-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-48-11-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-15-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-35-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-49-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-49-05-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-49-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-49-25-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-49-37-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-50-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-50-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-50-25-SL	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470
NB-50-37-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-51-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-51-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-51-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
NB-51-37-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-52-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-52-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-52-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
NB-52-35-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-53-05-SL	410	U	410	410	U	410	410	U	410	590		410	410	U	410	410	U	410
NB-53-13-SL	420	U	420	420	U	420	420	U	420	65	J	420	420	U	420	420	U	420

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachloro benzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-53-33-SL	430	U	430	430	U	430	430	U	430	2800		430	80	J	430	430	U	430
NB-54-05-SL	420	U	420	420	U	420	420	U	420	24	J	420	420	U	420	420	U	420
NB-54-13-SL	420	U	420	420	U	420	420	U	420	210	J	420	420	U	420	420	U	420
NB-54-25-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-54-31-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-55-05-SL	420	U	420	420	U	420	420	U	420	17	J	420	420	U	420	420	U	420
NB-55-13-SL	420	U	420	420	U	420	420	U	420	3500		420	500		420	420	U	420
NB-55-25-SL	490	U	490	490	U	490	490	U	490	94	J	490	490	U	490	490	U	490
NB-55-33-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-56-05-SL	410	U	410	410	U	410	410	U	410	1900		410	82	J	410	410	U	410
NB-56-13-SL	430	U	430	430	U	430	430	U	430	600		430	25	J	430	430	U	430
NB-56-25-SL	420	U	420	420	U	420	420	U	420	56	J	420	420	U	420	420	U	420
NB-56-33-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-57-05-SL	420	U	420	420	U	420	420	U	420	200	J	420	420	U	420	420	U	420
NB-57-05-SL-FD	410	U	410	410	U	410	410	U	410	42	J	410	410	U	410	410	U	410
NB-57-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-57-29-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-57-34-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-58-05-SL	410	U	410	410	U	410	410	U	410	110	J	410	410	U	410	410	U	410
NB-58-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-58-29-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
NB-58-36-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-59-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-59-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-59-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-59-31-SL	420	U	420	420	U	420	420	U	420	29	J	420	420	U	420	420	U	420
NB-60-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-60-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-60-23-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-60-31-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-61-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-61-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-61-23-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-61-28-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-62-05-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-62-12-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-62-22-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachloro benzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	410	U	410	410	U	410	410	U	410	29	J	410	410	U	410	410	U	410
NB-63-13-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-63-19-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-64-05-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-64-13-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
NB-64-17-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-65-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-65-13-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-65-17-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-66-05-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-66-05-SL-FD	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-66-15-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-66-19-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-67-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-67-11-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
NB-67-21-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-68-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-68-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-68-17-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-68-25-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-68-33-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-15-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-22-SL	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480
NB-69-34-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-70-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-70-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-70-23-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-70-33-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-13-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-27-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-72-05-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-72-11-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-72-19-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-72-22-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-73-05-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachloro benzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-73-23-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-74-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-74-17-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-74-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-74-33-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-75-08-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-75-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-75-19-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-76-06-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
NB-76-10-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-76-24-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-77-05-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
NB-77-13-SL	350	U	350	350	U	350	350	U	350	350	U	350	350	U	350	350	U	350
NB-77-24-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-78-07-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-78-11-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-78-18-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-79-05-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-79-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-79-11-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-79-24-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-80-05-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-80-11-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-80-27-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-81-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-81-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-81-31-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-82-05-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-82-11-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-82-20-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-83-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-83-11-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-83-23-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-84-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-84-15-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-84-23-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-84-33-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachloro benzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-85-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-85-25-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-85-35-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-86-05-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-86-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-86-19-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
OA-18-03-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
OA-18-17-SL	440	U	440	440	U	440	440	U	440	19	J	440	440	U	440	440	U	440
OA-18-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
OA-18-33-SL	440	U	440	440	U	440	440	U	440	76	J	440	440	U	440	440	U	440
OA-19-05-SL	410	U	410	410	U	410	410	U	410	730		410	29	J	410	410	U	410
OA-19-15-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
OA-19-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
OA-19-33-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-04-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-04-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
PL-04-23-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
PL-04-31-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
PL-05-05-SL	410	U	410	410	U	410	93	J	410	410	U	410	410	U	410	410	U	410
PL-05-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-05-28-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
PL-06-07-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
PL-06-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-06-17-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-06-29-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
PL-06-33-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
RR-04-05-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
RR-04-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
RR-04-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
RR-05-05-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
RR-05-05-SL-FD	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
RR-05-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
RR-05-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-02-01-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-02-09-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
SW-02-15-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
SW-02-23-SL	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachloro benzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
SW-05-12-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
SW-06-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-13-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-23-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
SW-07-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-07-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-07-23-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
SW-08-03-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-08-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-08-15-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
SW-08-25-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-15-SL	420	U	420	25	J	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-23-SL	420	U	420	36	J	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-30-SL	430	U	430	25	J	430	430	U	430	430	U	430	430	U	430	430	U	430
BD-14-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-14-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-14-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BD-14-31-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BD-15-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-15-17-SL	490	U	490	490	U	490	490	U	490	490	U	490	490	U	490	490	U	490
BD-15-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BD-15-31-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-19-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
BD-16-25-SL	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470
BD-16-34-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BLD240-01-01	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BLD240-01-31	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-01-31FD	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-03-04	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-03-14	420	U	0	420	U	0	420	U	0	420	U	0	420	U	0	420	U	0
BLD240-04-02	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BLD240-04-33	390	U	0	390	U	0	390	U	0	390	U	0	390	U	0	390	U	0
BLD240-05-01	420	U	0	420	U	0	420	U	0	420	U	0	420	U	0	420	U	0
BLD240-05-23	450	U	0	450	U	0	450	U	0	450	U	0	450	U	0	450	U	0
BLD253-02-01	370	U	0	370	U	0	370	U	0	370	U	0	370	U	0	370	U	0
BLD253-02-21	430	U	0	430	J	0	430	U	0	430	U	0	430	U	0	430	U	0
BLD253-02-21FD	430	U	0	180	J	0	430	U	0	430	U	0	430	U	0	430	U	0
BLD255-07-02	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BLD255-07-33	440	U	0	440	U	0	440	U	0	440	U	0	440	U	0	440	U	0
BLD255-08-01	390	U	0	390	U	0	390	U	0	390	U	0	390	U	0	390	U	0
BLD255-08-24	460	U	0	460	U	0	460	U	0	460	U	0	460	U	0	460	U	0
BLD260-06-01	440	U	0	440	U	0	440	U	0	440	U	0	440	U	0	440	U	0
BLD260-06-31	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BP-13-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-13-11-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BP-13-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480
BP-13-35-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BP-17-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-17-15-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
BP-17-23-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BP-17-31-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
BP-18-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
BP-18-15-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BP-18-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
BP-18-31-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
BP-19-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-19-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-19-25-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
BP-19-29-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BP-20-03-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-20-19-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-20-27-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-21-07-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BP-21-07-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-21-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-21-24-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-21-34-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
BP-22-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-22-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BP-22-23-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-22-33-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-05-SL-FD	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
DM-02-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
DM-02-17-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
DM-02-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
DM-02-33-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
DM-03-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
DM-03-05-SL-FD	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
DM-03-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
DM-03-25-SL	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
EP-13-06-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-30-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
EP-14-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-14-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-14-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-14-31-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-15-25-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-29-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-16-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-16-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-16-27-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
EP-17-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-17-15-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-17-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-17-30-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-18-09-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
EP-18-09-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
EP-18-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-18-29-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
EP-19-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-31-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
EP-20-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-20-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-20-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-06-05-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
GS-06-19-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
GS-06-25-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
GS-07-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
GS-07-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-07-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-09-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-09-23-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
LF-06-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
LF-06-13-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
LF-06-27-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
LF-06-32-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
LF-07-03-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
LF-07-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
LF-07-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
LF-07-34-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
LF-08-03-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
LF-08-03-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
LF-08-15-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
LF-08-21-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
LF-08-37-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
LF-09-03-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
LF-09-17-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
LF-09-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
LF-09-31-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-04-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-14-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-24-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-28-35-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-29-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-29-14-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-29-22-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-30-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-30-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-30-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-30-33-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-31-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-31-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-31-27-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-31-32-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-32-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-32-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-32-27-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-32-33-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-33-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-33-27-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-15-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-25-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-35-01-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-35-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-35-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-36-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-36-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-36-27-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-37-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-37-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-37-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-38-09-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-38-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-38-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-39-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-39-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-39-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-39-30-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-40-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-40-05-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-40-17-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-40-25-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-40-31-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-41-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-41-13-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-41-19-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-42-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-42-13-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-42-23-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-43-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-43-13-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-44-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-44-05-SL-FD	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-44-11-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-45-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-45-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-45-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-45-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-45-33-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-46-09-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-46-17-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-46-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-46-29-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-47-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-47-15-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
NB-47-25-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-47-31-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-48-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-48-11-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-15-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-35-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-49-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-49-05-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-49-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-49-25-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-49-37-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-50-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-50-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-50-25-SL	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470
NB-50-37-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-51-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-51-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-51-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
NB-51-37-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-52-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-52-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-52-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
NB-52-35-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-53-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-53-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-53-33-SL	430	U	430	430	U	430	430	U	430	19	J	430	430	U	430	430	U	430
NB-54-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-54-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-54-25-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-54-31-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-55-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-55-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-55-25-SL	490	U	490	490	U	490	490	U	490	490	U	490	490	U	490	490	U	490
NB-55-33-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-56-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-56-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-56-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-56-33-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-57-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-57-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-57-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-57-29-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-57-34-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-58-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-58-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-58-29-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
NB-58-36-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-59-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-59-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-59-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-59-31-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-60-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-60-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-60-23-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-60-31-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-61-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-61-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-61-23-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-61-28-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-62-05-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-62-12-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-62-22-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-63-13-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-63-19-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-64-05-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-64-13-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
NB-64-17-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-65-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-65-13-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-65-17-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-66-05-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-66-05-SL-FD	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-66-15-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-66-19-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-67-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-67-11-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
NB-67-21-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-68-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-68-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-68-17-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-68-25-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-68-33-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-15-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-22-SL	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480
NB-69-34-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-70-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-70-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-70-23-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-70-33-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-13-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-27-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-72-05-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-72-11-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-72-19-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-72-22-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-73-05-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-73-23-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-74-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-74-17-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-74-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-74-33-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-75-08-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-75-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-75-19-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-76-06-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
NB-76-10-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-76-24-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-77-05-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
NB-77-13-SL	350	U	350	350	U	350	350	U	350	350	U	350	350	U	350	350	U	350
NB-77-24-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-78-07-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-78-11-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-78-18-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-79-05-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-79-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-79-11-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-79-24-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-80-05-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-80-11-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-80-27-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-81-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-81-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-81-31-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-82-05-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-82-11-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-82-20-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-83-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-83-11-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-83-23-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-84-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-84-15-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-84-23-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-84-33-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-85-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-85-25-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-85-35-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-86-05-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-86-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-86-19-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
OA-18-03-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
OA-18-17-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
OA-18-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
OA-18-33-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
OA-19-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
OA-19-15-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
OA-19-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
OA-19-33-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-04-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-04-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
PL-04-23-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
PL-04-31-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
PL-05-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
PL-05-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-05-28-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
PL-06-07-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
PL-06-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-06-17-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-06-29-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
PL-06-33-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
RR-04-05-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
RR-04-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
RR-04-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
RR-05-05-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
RR-05-05-SL-FD	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
RR-05-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
RR-05-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-02-01-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-02-09-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
SW-02-15-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
SW-02-23-SL	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
SW-05-12-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
SW-06-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-13-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-23-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
SW-07-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-07-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-07-23-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
SW-08-03-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-08-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-08-15-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
SW-08-25-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	N-Nitro sodiphenylamine			Pentachlorophenol			Phenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	420	U	420	2100	U	2100	420	U	420
BD-13-15-SL	420	U	420	2100	U	2100	420	U	420
BD-13-23-SL	420	U	420	2100	U	2100	420	U	420
BD-13-30-SL	430	U	430	2100	U	2100	430	U	430
BD-14-05-SL	420	U	420	2100	U	2100	420	U	420
BD-14-13-SL	420	U	420	2100	U	2100	420	U	420
BD-14-25-SL	440	U	440	2200	U	2200	440	U	440
BD-14-31-SL	410	U	410	2100	U	2100	410	U	410
BD-15-05-SL	420	U	420	2100	U	2100	420	U	420
BD-15-17-SL	490	U	490	2400	U	2400	490	U	490
BD-15-25-SL	440	U	440	2200	U	2200	440	U	440
BD-15-31-SL	420	U	420	2100	U	2100	420	U	420
BD-16-05-SL	420	U	420	2100	U	2100	420	U	420
BD-16-15-SL	420	U	420	2100	U	2100	420	U	420
BD-16-19-SL	450	U	450	2300	U	2300	450	U	450
BD-16-25-SL	470	U	470	2400	U	2400	470	U	470
BD-16-34-SL	440	U	440	2200	U	2200	440	U	440
BLD240-01-01	400	U	0	2000	U	0	400	U	0
BLD240-01-31	410	U	0	2100	U	0	410	U	0
BLD240-01-31FD	410	U	0	2100	U	0	410	U	0
BLD240-03-04	410	U	0	2100	U	0	410	U	0
BLD240-03-14	420	U	0	2100	U	0	420	U	0
BLD240-04-02	400	U	0	2000	U	0	400	U	0
BLD240-04-33	390	U	0	1900	U	0	390	U	0
BLD240-05-01	420	U	0	2100	U	0	420	U	0
BLD240-05-23	450	U	0	2200	U	0	450	U	0
BLD253-02-01	370	U	0	1800	U	0	370	U	0
BLD253-02-21	430	U	0	2200	U	0	430	U	0
BLD253-02-21FD	430	U	0	2200	U	0	430	U	0
BLD255-07-02	400	U	0	2000	U	0	400	U	0
BLD255-07-33	440	U	0	2200	U	0	440	U	0
BLD255-08-01	390	U	0	2000	U	0	390	U	0
BLD255-08-24	460	U	0	2300	U	0	460	U	0
BLD260-06-01	440	U	0	2200	U	0	440	U	0
BLD260-06-31	400	U	0	2000	U	0	400	U	0
BP-13-05-SL	410	U	410	2000	U	2000	410	U	410
BP-13-11-SL	420	U	420	2100	U	2100	420	U	420
BP-13-15-SL	420	U	420	2100	U	2100	420	U	420

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	N-Nitro sodiphenylamine			Pentachlorophenol			Phenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	480	U	480	2400	U	2400	480	U	480
BP-13-35-SL	420	U	420	2100	U	2100	420	U	420
BP-17-05-SL	410	U	410	2000	U	2000	410	U	410
BP-17-15-SL	460	U	460	2300	U	2300	460	U	460
BP-17-23-SL	440	U	440	2200	U	2200	440	U	440
BP-17-31-SL	450	U	450	2200	U	2200	450	U	450
BP-18-05-SL	400	U	400	2000	U	2000	400	U	400
BP-18-15-SL	440	U	440	2200	U	2200	440	U	440
BP-18-25-SL	450	U	450	2200	U	2200	450	U	450
BP-18-31-SL	380	U	380	1900	U	1900	380	U	380
BP-19-05-SL	410	U	410	2100	U	2100	410	U	410
BP-19-13-SL	430	U	430	2100	U	2100	430	U	430
BP-19-25-SL	460	U	460	2300	U	2300	460	U	460
BP-19-29-SL	440	U	440	2200	U	2200	440	U	440
BP-20-03-SL	410	U	410	2100	U	2100	410	U	410
BP-20-19-SL	430	U	430	2100	U	2100	430	U	430
BP-20-27-SL	410	U	410	2000	U	2000	410	U	410
BP-21-07-SL	420	U	420	2100	U	2100	420	U	420
BP-21-07-SL-FD	410	U	410	2100	U	2100	410	U	410
BP-21-13-SL	430	U	430	2200	U	2200	430	U	430
BP-21-24-SL	430	U	430	2100	U	2100	430	U	430
BP-21-34-SL	390	U	390	2000	U	2000	390	U	390
BP-22-05-SL	410	U	410	2000	U	2000	410	U	410
BP-22-13-SL	420	U	420	2100	U	2100	420	U	420
BP-22-23-SL	430	U	430	2200	U	2200	430	U	430
BP-22-33-SL	420	U	420	2100	U	2100	420	U	420
CB-02-05-SL	420	U	420	2100	U	2100	420	U	420
CB-02-05-SL-FD	420	U	420	2100	U	2100	420	U	420
CB-02-15-SL	420	U	420	2100	U	2100	420	U	420
CB-02-25-SL	450	U	450	2300	U	2300	450	U	450
DM-02-05-SL	420	U	420	2100	U	2100	420	U	420
DM-02-17-SL	440	U	440	2200	U	2200	440	U	440
DM-02-25-SL	440	U	440	2200	U	2200	440	U	440
DM-02-33-SL	430	U	430	2100	U	2100	430	U	430
DM-03-05-SL	420	U	420	2100	U	2100	420	U	420
DM-03-05-SL-FD	420	U	420	2100	U	2100	420	U	420
DM-03-13-SL	430	U	430	2100	U	2100	430	U	430
DM-03-25-SL	480	U	480	2400	U	2400	480	U	480

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	N-Nitro sodiphenylamine			Pentachlorophenol			Phenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	400	U	400	2000	U	2000	400	U	400
EP-13-06-SL	420	U	420	2100	U	2100	420	U	420
EP-13-13-SL	420	U	420	2100	U	2100	420	U	420
EP-13-25-SL	420	U	420	2100	U	2100	420	U	420
EP-13-30-SL	390	U	390	1900	U	1900	390	U	390
EP-14-05-SL	410	U	410	2100	U	2100	410	U	410
EP-14-13-SL	420	U	420	2100	U	2100	420	U	420
EP-14-25-SL	430	U	430	2200	U	2200	430	U	430
EP-14-31-SL	410	U	410	2100	U	2100	410	U	410
EP-15-05-SL	410	U	410	2100	U	2100	410	U	410
EP-15-13-SL	420	U	420	2100	U	2100	420	U	420
EP-15-25-SL	410	U	410	2100	U	2100	410	U	410
EP-15-29-SL	420	U	420	2100	U	2100	420	U	420
EP-16-05-SL	410	U	410	2100	U	2100	410	U	410
EP-16-15-SL	420	U	420	2100	U	2100	420	U	420
EP-16-27-SL	390	U	390	1900	U	1900	390	U	390
EP-17-05-SL	410	U	410	2100	U	2100	410	U	410
EP-17-15-SL	410	U	410	2000	U	2000	410	U	410
EP-17-25-SL	430	U	430	2100	U	2100	430	U	430
EP-17-30-SL	430	U	430	2200	U	2200	430	U	430
EP-18-09-SL	400	U	400	2000	U	2000	400	U	400
EP-18-09-SL-FD	400	U	400	2000	U	2000	400	U	400
EP-18-15-SL	430	U	430	2100	U	2100	430	U	430
EP-18-29-SL	450	U	450	2200	U	2200	450	U	450
EP-19-05-SL	420	U	420	2100	U	2100	420	U	420
EP-19-13-SL	420	U	420	2100	U	2100	420	U	420
EP-19-25-SL	420	U	420	2100	U	2100	420	U	420
EP-19-31-SL	460	U	460	2300	U	2300	460	U	460
EP-20-05-SL	420	U	420	2100	U	2100	420	U	420
EP-20-15-SL	430	U	430	2100	U	2100	430	U	430
EP-20-25-SL	430	U	430	2100	U	2100	430	U	430
GS-06-05-SL	380	U	380	1900	U	1900	380	U	380
GS-06-19-SL	420	U	420	2100	U	2100	420	U	420
GS-06-25-SL	410	U	410	2000	U	2000	410	U	410
GS-07-05-SL	400	U	400	2000	U	2000	400	U	400
GS-07-15-SL	430	U	430	2100	U	2100	430	U	430
GS-07-25-SL	430	U	430	2100	U	2100	430	U	430
GS-09-05-SL	410	U	410	2100	U	2100	410	U	410

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	N-Nitro sodiphenylamine			Pentachlorophenol			Phenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	430	U	430	2100	U	2100	430	U	430
GS-09-23-SL	410	U	410	2100	U	2100	410	U	410
LF-06-05-SL	410	U	410	2000	U	2000	410	U	410
LF-06-13-SL	410	U	410	2100	U	2100	410	U	410
LF-06-27-SL	430	U	430	2100	U	2100	430	U	430
LF-06-32-SL	380	U	380	1900	U	1900	380	U	380
LF-07-03-SL	400	U	400	2000	U	2000	400	U	400
LF-07-15-SL	420	U	420	2100	U	2100	420	U	420
LF-07-25-SL	420	U	420	2100	U	2100	420	U	420
LF-07-34-SL	400	U	400	2000	U	2000	400	U	400
LF-08-03-SL	410	U	410	2000	U	2000	410	U	410
LF-08-03-SL-FD	410	U	410	2100	U	2100	410	U	410
LF-08-15-SL	410	U	410	2000	U	2000	410	U	410
LF-08-21-SL	420	U	420	2100	U	2100	420	U	420
LF-08-37-SL	370	U	370	1900	U	1900	370	U	370
LF-09-03-SL	370	U	370	1900	U	1900	370	U	370
LF-09-17-SL	430	U	430	2100	U	2100	430	U	430
LF-09-25-SL	420	U	420	2100	U	2100	420	U	420
LF-09-31-SL	410	U	410	2000	U	2000	410	U	410
NB-28-04-SL	410	U	410	2000	U	2000	410	U	410
NB-28-14-SL	410	U	410	2000	U	2000	410	U	410
NB-28-24-SL	430	U	430	2100	U	2100	430	U	430
NB-28-35-SL	410	U	410	2000	U	2000	410	U	410
NB-29-05-SL	410	U	410	2100	U	2100	410	U	410
NB-29-14-SL	390	U	390	1900	U	1900	390	U	390
NB-29-22-SL	380	U	380	1900	U	1900	380	U	380
NB-30-05-SL	420	U	420	2100	U	2100	420	U	420
NB-30-15-SL	420	U	420	2100	U	2100	420	U	420
NB-30-25-SL	440	U	440	2200	U	2200	440	U	440
NB-30-33-SL	420	U	420	2100	U	2100	420	U	420
NB-31-05-SL	410	U	410	2100	U	2100	410	U	410
NB-31-15-SL	420	U	420	2100	U	2100	420	U	420
NB-31-27-SL	430	U	430	2200	U	2200	430	U	430
NB-31-32-SL	390	U	390	2000	U	2000	390	U	390
NB-32-05-SL	410	U	410	2100	U	2100	410	U	410
NB-32-15-SL	420	U	420	2100	U	2100	420	U	420
NB-32-27-SL	410	U	410	2100	U	2100	410	U	410
NB-32-33-SL	380	U	380	1900	U	1900	380	U	380

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	N-Nitro sodiphenylamine			Pentachlorophenol			Phenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	410	U	410	2000	U	2000	410	U	410
NB-33-15-SL	420	U	420	2100	U	2100	420	U	420
NB-33-27-SL	410	U	410	2000	U	2000	410	U	410
NB-34-05-SL	410	U	410	2100	U	2100	410	U	410
NB-34-15-SL	410	U	410	2100	U	2100	410	U	410
NB-34-25-SL	400	U	400	2000	U	2000	400	U	400
NB-35-01-SL	410	U	410	2100	U	2100	410	U	410
NB-35-15-SL	420	U	420	2100	U	2100	420	U	420
NB-35-25-SL	440	U	440	2200	U	2200	440	U	440
NB-36-05-SL	420	U	420	2100	U	2100	420	U	420
NB-36-15-SL	420	U	420	2100	U	2100	420	U	420
NB-36-27-SL	420	U	420	2100	U	2100	420	U	420
NB-37-05-SL	410	U	410	2100	U	2100	410	U	410
NB-37-15-SL	420	U	420	2100	U	2100	420	U	420
NB-37-25-SL	440	U	440	2200	U	2200	440	U	440
NB-38-09-SL	410	U	410	2000	U	2000	410	U	410
NB-38-15-SL	420	U	420	2100	U	2100	420	U	420
NB-38-25-SL	430	U	430	2200	U	2200	430	U	430
NB-39-05-SL	420	U	420	2100	U	2100	420	U	420
NB-39-15-SL	430	U	430	2100	U	2100	430	U	430
NB-39-25-SL	440	U	440	2200	U	2200	440	U	440
NB-39-30-SL	420	U	420	2100	U	2100	420	U	420
NB-40-05-SL	400	U	400	2000	U	2000	400	U	400
NB-40-05-SL-FD	400	U	400	2000	U	2000	400	U	400
NB-40-17-SL	420	U	420	2100	U	2100	420	U	420
NB-40-25-SL	390	U	390	2000	U	2000	390	U	390
NB-40-31-SL	380	U	380	1900	U	1900	380	U	380
NB-41-05-SL	400	U	400	2000	U	2000	400	U	400
NB-41-13-SL	410	U	410	2100	U	2100	410	U	410
NB-41-19-SL	420	U	420	2100	U	2100	420	U	420
NB-42-05-SL	400	U	400	2000	U	2000	400	U	400
NB-42-13-SL	380	U	380	1900	U	1900	380	U	380
NB-42-23-SL	390	U	390	2000	U	2000	390	U	390
NB-43-05-SL	420	U	420	2100	U	2100	420	U	420
NB-43-13-SL	390	U	390	1900	U	1900	390	U	390
NB-44-05-SL	400	U	400	2000	U	2000	400	U	400
NB-44-05-SL-FD	370	U	370	1800	U	1800	370	U	370
NB-44-11-SL	360	U	360	1800	U	1800	360	U	360

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	N-Nitro sodiphenylamine			Pentachlorophenol			Phenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	390	U	390	2000	U	2000	390	U	390
NB-45-05-SL	410	U	410	2100	U	2100	410	U	410
NB-45-05-SL-FD	410	U	410	2100	U	2100	410	U	410
NB-45-13-SL	420	U	420	2100	U	2100	420	U	420
NB-45-25-SL	430	U	430	2100	U	2100	430	U	430
NB-45-33-SL	420	U	420	2100	U	2100	420	U	420
NB-46-09-SL	430	U	430	2100	U	2100	430	U	430
NB-46-17-SL	400	U	400	2000	U	2000	400	U	400
NB-46-25-SL	430	U	430	2100	U	2100	430	U	430
NB-46-29-SL	420	U	420	2100	U	2100	420	U	420
NB-47-05-SL	400	U	400	2000	U	2000	400	U	400
NB-47-15-SL	450	U	450	2200	U	2200	450	U	450
NB-47-25-SL	410	U	410	2100	U	2100	410	U	410
NB-47-31-SL	460	U	460	2300	U	2300	460	U	460
NB-48-05-SL	400	U	400	2000	U	2000	400	U	400
NB-48-11-SL	440	U	440	2200	U	2200	440	U	440
NB-48-15-SL	440	U	440	2200	U	2200	440	U	440
NB-48-25-SL	440	U	440	2200	U	2200	440	U	440
NB-48-35-SL	420	U	420	2100	U	2100	420	U	420
NB-49-05-SL	400	U	400	2000	U	2000	400	U	400
NB-49-05-SL-FD	400	U	400	2000	U	2000	400	U	400
NB-49-15-SL	430	U	430	2200	U	2200	430	U	430
NB-49-25-SL	460	U	460	2300	U	2300	460	U	460
NB-49-37-SL	430	U	430	2200	U	2200	430	U	430
NB-50-05-SL	400	U	400	2000	U	2000	400	U	400
NB-50-15-SL	430	U	430	2100	U	2100	430	U	430
NB-50-25-SL	470	U	470	2300	U	2300	470	U	470
NB-50-37-SL	440	U	440	2200	U	2200	440	U	440
NB-51-05-SL	410	U	410	2000	U	2000	410	U	410
NB-51-13-SL	420	U	420	2100	U	2100	420	U	420
NB-51-25-SL	450	U	450	2200	U	2200	450	U	450
NB-51-37-SL	420	U	420	2100	U	2100	420	U	420
NB-52-05-SL	410	U	410	2000	U	2000	410	U	410
NB-52-13-SL	430	U	430	2100	U	2100	430	U	430
NB-52-25-SL	450	U	450	2300	U	2300	450	U	450
NB-52-35-SL	400	U	400	2000	U	2000	400	U	400
NB-53-05-SL	410	U	410	2100	U	2100	410	U	410
NB-53-13-SL	420	U	420	2100	U	2100	420	U	420

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	N-Nitro sodiphenylamine			Pentachlorophenol			Phenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	440	U	440	2200	U	2200	440	U	440
NB-53-33-SL	430	U	430	2100	U	2100	430	U	430
NB-54-05-SL	420	U	420	2100	U	2100	420	U	420
NB-54-13-SL	420	U	420	2100	U	2100	420	U	420
NB-54-25-SL	460	U	460	2300	U	2300	460	U	460
NB-54-31-SL	370	U	370	1800	U	1800	370	U	370
NB-55-05-SL	420	U	420	2100	U	2100	420	U	420
NB-55-13-SL	420	U	420	2100	U	2100	420	U	420
NB-55-25-SL	490	U	490	2500	U	2500	490	U	490
NB-55-33-SL	390	U	390	1900	U	1900	390	U	390
NB-56-05-SL	410	U	410	2000	U	2000	410	U	410
NB-56-13-SL	430	U	430	2100	U	2100	430	U	430
NB-56-25-SL	420	U	420	2100	U	2100	420	U	420
NB-56-33-SL	430	U	430	2200	U	2200	430	U	430
NB-57-05-SL	420	U	420	2100	U	2100	420	U	420
NB-57-05-SL-FD	410	U	410	2100	U	2100	410	U	410
NB-57-15-SL	430	U	430	2100	U	2100	430	U	430
NB-57-29-SL	440	U	440	2200	U	2200	440	U	440
NB-57-34-SL	440	U	440	2200	U	2200	440	U	440
NB-58-05-SL	410	U	410	2000	U	2000	410	U	410
NB-58-15-SL	420	U	420	2100	U	2100	420	U	420
NB-58-29-SL	450	U	450	2300	U	2300	450	U	450
NB-58-36-SL	390	U	390	2000	U	2000	390	U	390
NB-59-05-SL	410	U	410	2100	U	2100	410	U	410
NB-59-13-SL	430	U	430	2100	U	2100	430	U	430
NB-59-25-SL	440	U	440	2200	U	2200	440	U	440
NB-59-31-SL	420	U	420	2100	U	2100	420	U	420
NB-60-05-SL	410	U	410	2000	U	2000	410	U	410
NB-60-13-SL	420	U	420	2100	U	2100	420	U	420
NB-60-23-SL	460	U	460	2300	U	2300	460	U	460
NB-60-31-SL	410	U	410	2100	U	2100	410	U	410
NB-61-05-SL	410	U	410	2100	U	2100	410	U	410
NB-61-13-SL	420	U	420	2100	U	2100	420	U	420
NB-61-23-SL	430	U	430	2100	U	2100	430	U	430
NB-61-28-SL	410	U	410	2100	U	2100	410	U	410
NB-62-05-SL	390	U	390	1900	U	1900	390	U	390
NB-62-12-SL	370	U	370	1900	U	1900	370	U	370
NB-62-22-SL	370	U	370	1900	U	1900	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	N-Nitro sodiphenylamine			Pentachlorophenol			Phenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	410	U	410	2100	U	2100	410	U	410
NB-63-13-SL	390	U	390	1900	U	1900	390	U	390
NB-63-19-SL	400	U	400	2000	U	2000	400	U	400
NB-64-05-SL	380	U	380	1900	U	1900	380	U	380
NB-64-13-SL	360	U	360	1800	U	1800	360	U	360
NB-64-17-SL	370	U	370	1900	U	1900	370	U	370
NB-65-05-SL	400	U	400	2000	U	2000	400	U	400
NB-65-13-SL	400	U	400	2000	U	2000	400	U	400
NB-65-17-SL	390	U	390	1900	U	1900	390	U	390
NB-66-05-SL	380	U	380	1900	U	1900	380	U	380
NB-66-05-SL-FD	380	U	380	1900	U	1900	380	U	380
NB-66-15-SL	410	U	410	2000	U	2000	410	U	410
NB-66-19-SL	380	U	380	1900	U	1900	380	U	380
NB-67-05-SL	410	U	410	2000	U	2000	410	U	410
NB-67-11-SL	360	U	360	1800	U	1800	360	U	360
NB-67-21-SL	380	U	380	1900	U	1900	380	U	380
NB-68-05-SL	410	U	410	2100	U	2100	410	U	410
NB-68-13-SL	420	U	420	2100	U	2100	420	U	420
NB-68-17-SL	410	U	410	2000	U	2000	410	U	410
NB-68-25-SL	460	U	460	2300	U	2300	460	U	460
NB-68-33-SL	400	U	400	2000	U	2000	400	U	400
NB-69-05-SL	400	U	400	2000	U	2000	400	U	400
NB-69-15-SL	400	U	400	2000	U	2000	400	U	400
NB-69-22-SL	480	U	480	2400	U	2400	480	U	480
NB-69-34-SL	420	U	420	2100	U	2100	420	U	420
NB-70-05-SL	410	U	410	2100	U	2100	410	U	410
NB-70-15-SL	430	U	430	2100	U	2100	430	U	430
NB-70-23-SL	460	U	460	2300	U	2300	460	U	460
NB-70-33-SL	410	U	410	2000	U	2000	410	U	410
NB-71-05-SL	410	U	410	2100	U	2100	410	U	410
NB-71-05-SL-FD	410	U	410	2000	U	2000	410	U	410
NB-71-13-SL	410	U	410	2100	U	2100	410	U	410
NB-71-27-SL	400	U	400	2000	U	2000	400	U	400
NB-72-05-SL	370	U	370	1900	U	1900	370	U	370
NB-72-11-SL	390	U	390	2000	U	2000	390	U	390
NB-72-19-SL	380	U	380	1900	U	1900	380	U	380
NB-72-22-SL	380	U	380	1900	U	1900	380	U	380
NB-73-05-SL	370	U	370	1800	U	1800	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	N-Nitro sodiphenylamine			Pentachlorophenol			Phenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	370	U	370	1800	U	1800	370	U	370
NB-73-23-SL	380	U	380	1900	U	1900	380	U	380
NB-74-05-SL	410	U	410	2100	U	2100	410	U	410
NB-74-17-SL	420	U	420	2100	U	2100	420	U	420
NB-74-25-SL	420	U	420	2100	U	2100	420	U	420
NB-74-33-SL	400	U	400	2000	U	2000	400	U	400
NB-75-08-SL	410	U	410	2100	U	2100	410	U	410
NB-75-15-SL	420	U	420	2100	U	2100	420	U	420
NB-75-19-SL	400	U	400	2000	U	2000	400	U	400
NB-76-06-SL	360	U	360	1800	U	1800	360	U	360
NB-76-10-SL	370	U	370	1800	U	1800	370	U	370
NB-76-24-SL	390	U	390	2000	U	2000	390	U	390
NB-77-05-SL	360	U	360	1800	U	1800	360	U	360
NB-77-13-SL	350	U	350	1800	U	1800	350	U	350
NB-77-24-SL	380	U	380	1900	U	1900	380	U	380
NB-78-07-SL	410	U	410	2100	U	2100	410	U	410
NB-78-11-SL	420	U	420	2100	U	2100	420	U	420
NB-78-18-SL	440	U	440	2200	U	2200	440	U	440
NB-79-05-SL	390	U	390	1900	U	1900	390	U	390
NB-79-05-SL-FD	410	U	410	2100	U	2100	410	U	410
NB-79-11-SL	400	U	400	2000	U	2000	400	U	400
NB-79-24-SL	410	U	410	2000	U	2000	410	U	410
NB-80-05-SL	390	U	390	2000	U	2000	390	U	390
NB-80-11-SL	410	U	410	2100	U	2100	410	U	410
NB-80-27-SL	370	U	370	1900	U	1900	370	U	370
NB-81-05-SL	410	U	410	2000	U	2000	410	U	410
NB-81-13-SL	420	U	420	2100	U	2100	420	U	420
NB-81-31-SL	380	U	380	1900	U	1900	380	U	380
NB-82-05-SL	430	U	430	2100	U	2100	430	U	430
NB-82-11-SL	410	U	410	2000	U	2000	410	U	410
NB-82-20-SL	380	U	380	1900	U	1900	380	U	380
NB-83-05-SL	410	U	410	2100	U	2100	410	U	410
NB-83-11-SL	410	U	410	2100	U	2100	410	U	410
NB-83-23-SL	380	U	380	1900	U	1900	380	U	380
NB-84-05-SL	400	U	400	2000	U	2000	400	U	400
NB-84-15-SL	370	U	370	1900	U	1900	370	U	370
NB-84-23-SL	390	U	390	2000	U	2000	390	U	390
NB-84-33-SL	370	U	370	1900	U	1900	370	U	370

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	N-Nitro sodiphenylamine			Pentachlorophenol			Phenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	400	U	400	2000	U	2000	400	U	400
NB-85-15-SL	420	U	420	2100	U	2100	420	U	420
NB-85-25-SL	410	U	410	2100	U	2100	410	U	410
NB-85-35-SL	420	U	420	2100	U	2100	420	U	420
NB-86-05-SL	380	U	380	1900	U	1900	380	U	380
NB-86-15-SL	430	U	430	2200	U	2200	430	U	430
NB-86-19-SL	420	U	420	2100	U	2100	420	U	420
OA-18-03-SL	400	U	400	2000	U	2000	400	U	400
OA-18-17-SL	440	U	440	2200	U	2200	440	U	440
OA-18-25-SL	450	U	450	2200	U	2200	450	U	450
OA-18-33-SL	440	U	440	2200	U	2200	440	U	440
OA-19-05-SL	410	U	410	2100	U	2100	410	U	410
OA-19-15-SL	450	U	450	2300	U	2300	450	U	450
OA-19-25-SL	430	U	430	2200	U	2200	430	U	430
OA-19-33-SL	420	U	420	2100	U	2100	420	U	420
PL-04-05-SL	420	U	420	2100	U	2100	420	U	420
PL-04-13-SL	430	U	430	2100	U	2100	430	U	430
PL-04-23-SL	430	U	430	2200	U	2200	430	U	430
PL-04-31-SL	430	U	430	2100	U	2100	430	U	430
PL-05-05-SL	410	U	410	2100	U	2100	410	U	410
PL-05-15-SL	420	U	420	2100	U	2100	420	U	420
PL-05-28-SL	450	U	450	2300	U	2300	450	U	450
PL-06-07-SL	410	U	410	2100	U	2100	410	U	410
PL-06-13-SL	420	U	420	2100	U	2100	420	U	420
PL-06-17-SL	420	U	420	2100	U	2100	420	U	420
PL-06-29-SL	430	U	430	2100	U	2100	430	U	430
PL-06-33-SL	360	U	360	1800	U	1800	360	U	360
RR-04-05-SL	440	U	440	2200	U	2200	440	U	440
RR-04-15-SL	420	U	420	2100	U	2100	420	U	420
RR-04-25-SL	430	U	430	2200	U	2200	430	U	430
RR-05-05-SL	430	U	430	2100	U	2100	430	U	430
RR-05-05-SL-FD	420	U	420	2100	U	2100	420	U	420
RR-05-15-SL	420	U	420	2100	U	2100	420	U	420
RR-05-25-SL	420	U	420	2100	U	2100	420	U	420
SW-02-01-SL	420	U	420	2100	U	2100	420	U	420
SW-02-09-SL	430	U	430	2200	U	2200	430	U	430
SW-02-15-SL	460	U	460	2300	U	2300	460	U	460
SW-02-23-SL	470	U	470	2400	U	2400	470	U	470

Table H.15a Organics (Base Neutral Acids) in Subsurface Soils (µg/kg)

Sample ID	N-Nitro sodiphenylamine			Pentachlorophenol			Phenol		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	400	U	400	2000	U	2000	400	U	400
SW-05-12-SL	400	U	400	2000	U	2000	400	U	400
SW-06-05-SL	410	U	410	2100	U	2100	410	U	410
SW-06-05-SL-FD	410	U	410	2100	U	2100	410	U	410
SW-06-13-SL	410	U	410	2100	U	2100	410	U	410
SW-06-23-SL	450	U	450	2200	U	2200	450	U	450
SW-07-05-SL	420	U	420	2100	U	2100	420	U	420
SW-07-15-SL	420	U	420	2100	U	2100	420	U	420
SW-07-23-SL	450	U	450	2200	U	2200	450	U	450
SW-08-03-SL	410	U	410	2000	U	2000	410	U	410
SW-08-05-SL	420	U	420	2100	U	2100	420	U	420
SW-08-15-SL	460	U	460	2300	U	2300	460	U	460
SW-08-25-SL	380	U	380	1900	U	1900	380	U	380

Table H.15b Organics (Dioxins) in Subsurface Soils (pg/g)

Sample ID	1,2,3,4,6,7,8-HPCDD			1,2,3,4,6,7,8-HpCDF			1,2,3,4,7,8,9-HpCDF			1,2,3,4,7,8-HXCDD			1,2,3,4,7,8-HXCDF		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
CB-02-05-SL	61	B	0.29		U	0.11		U	0.13	0.96	J	0.23	0.2	QJB	0.091
CB-02-05-SL-FD	98	B	0.32	0.22	QJB	0.096		U	0.11	1.4	J	0.2	0.1	QJB	0.078
CB-02-15-SL	15	B	0.23		U	0.096		U	0.1		U	0.18	0.13	QJB	0.08
CB-02-25-SL	4.2	QJB	0.26		U	0.095		U	0.1		U	0.2		U	0.092

Sample ID	1,2,3,6,7,8-HxCDD			1,2,3,6,7,8-HxCDF			1,2,3,7,8,9 -HxCDD			1,2,3,7,8,9-HxCDF			1,2,3,7,8-PeCDD		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
CB-02-05-SL	1.2	J	0.24		U	0.097	2.3	JB	0.22		U	0.14		U	0.23
CB-02-05-SL-FD	1.8	J	0.22		U	0.078	3.6	JB	0.19		U	0.11		U	0.21
CB-02-15-SL	0.37	QJ	0.19		U	0.082	1.2	QJB	0.17		U	0.1		U	0.18
CB-02-25-SL		U	0.22		U	0.089		U	0.2		U	0.12		U	0.2

Sample ID	1,2,3,7,8-PeCDF			2,3,4,6,7,8-HxCDF			2,3,4,7,8-PeCDF			2,3,7,8-TCDD			2,3,7,8-TCDF		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
CB-02-05-SL		U	0.17	0.19	JB	0.11		U	0.13		U	0.39		U	0.36
CB-02-05-SL-FD		U	0.13		U	0.086		U	0.096		U	0.38		U	0.22
CB-02-15-SL		U	0.13		U	0.091		U	0.099		U	0.3		U	0.28
CB-02-25-SL		U	0.12		U	0.097		U	0.098		U	0.3		U	0.31

Sample ID	OCDD			OCDF		
	Result	Q	EQL	Result	Q	EQL
CB-02-05-SL	2200	B	0.22	0.8	JB	0.23
CB-02-05-SL-FD	4000	B	0.28	0.58	QJB	0.17
CB-02-15-SL	710	B	0.31	0.49	QJB	0.18
CB-02-25-SL	200	B	0.2		U	0.19

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene			Benzo(k) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-23-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-30-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BD-14-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-14-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-14-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BD-14-31-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BD-15-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-15-17-SL	490	U	490	490	U	490	490	U	490	490	U	490	490	U	490	490	U	490
BD-15-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BD-15-31-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-19-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
BD-16-25-SL	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470
BD-16-34-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BLD240-01-01	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BLD240-01-31	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-01-31FD	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-03-04	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-03-14	420	U	0	420	U	0	420	U	0	420	U	0	420	U	0	420	U	0
BLD240-04-02	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BLD240-04-33	390	U	0	390	U	0	390	U	0	390	U	0	390	U	0	390	U	0
BLD240-05-01	420	U	0	420	U	0	420	U	0	420	U	0	420	U	0	420	U	0
BLD240-05-23	450	U	0	450	U	0	450	U	0	450	U	0	450	U	0	450	U	0
BLD253-02-01	370	U	0	370	U	0	370	U	0	370	U	0	370	U	0	370	U	0
BLD253-02-21	430	U	0	430	U	0	430	U	0	430	U	0	430	U	0	430	U	0
BLD253-02-21FD	430	U	0	430	U	0	430	U	0	430	U	0	430	U	0	430	U	0
BLD255-07-02	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BLD255-07-33	440	U	0	440	U	0	440	U	0	440	U	0	440	U	0	440	U	0
BLD255-08-01	390	U	0	390	U	0	390	U	0	390	U	0	390	U	0	390	U	0
BLD255-08-24	460	U	0	460	U	0	460	U	0	460	U	0	460	U	0	460	U	0
BLD260-06-01	440	U	0	440	U	0	440	U	0	440	U	0	440	U	0	440	U	0
BLD260-06-31	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0	400	U	0
BP-13-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-13-11-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BP-13-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene			Benzo(k) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480
BP-13-35-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BP-17-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-17-15-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
BP-17-23-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BP-17-31-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
BP-18-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
BP-18-15-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BP-18-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
BP-18-31-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
BP-19-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-19-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-19-25-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
BP-19-29-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
BP-20-03-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-20-19-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-20-27-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-21-07-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BP-21-07-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-21-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-21-24-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-21-34-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
BP-22-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
BP-22-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
BP-22-23-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
BP-22-33-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-05-SL-FD	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
DM-02-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
DM-02-17-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
DM-02-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
DM-02-33-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
DM-03-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
DM-03-05-SL-FD	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
DM-03-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
DM-03-25-SL	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene			Benzo(k) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
EP-13-06-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-30-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
EP-14-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-14-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-14-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-14-31-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-15-25-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-29-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-16-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-16-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-16-27-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
EP-17-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-17-15-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
EP-17-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-17-30-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-18-09-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
EP-18-09-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
EP-18-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-18-29-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
EP-19-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-31-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
EP-20-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
EP-20-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
EP-20-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-06-05-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
GS-06-19-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
GS-06-25-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
GS-07-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
GS-07-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-07-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-09-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene			Benzo(k) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
GS-09-23-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
LF-06-05-SL	410	U	410	410	U	410	26	J	410	28	J	410	45	J	410	410	U	410
LF-06-13-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
LF-06-27-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
LF-06-32-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
LF-07-03-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
LF-07-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
LF-07-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
LF-07-34-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
LF-08-03-SL	410	U	410	410	U	410	99	J	410	120	J	410	190	J	410	69	J	410
LF-08-03-SL-FD	410	U	410	410	U	410	53	J	410	64	J	410	81	J	410	43	J	410
LF-08-15-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
LF-08-21-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
LF-08-37-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
LF-09-03-SL	9.2	J	370	21	J	370	130	J	370	140	J	370	230	J	370	100	J	370
LF-09-17-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
LF-09-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
LF-09-31-SL	410	U	410	410	U	410	410	U	410	47	J	410	410	U	410	410	U	410
NB-28-04-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-14-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-24-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-28-35-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-29-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-29-14-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-29-22-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-30-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-30-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-30-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-30-33-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-31-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-31-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-31-27-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-31-32-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-32-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-32-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-32-27-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-32-33-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene			Benzo(k) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-33-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-33-27-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-15-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-25-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-35-01-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-35-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-35-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-36-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-36-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-36-27-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-37-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-37-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-37-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-38-09-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-38-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-38-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-39-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-39-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-39-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-39-30-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-40-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-40-05-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-40-17-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-40-25-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-40-31-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-41-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-41-13-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-41-19-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-42-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-42-13-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-42-23-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-43-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-43-13-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-44-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-44-05-SL-FD	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-44-11-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene			Benzo(k) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-45-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-45-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-45-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-45-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-45-33-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-46-09-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-46-17-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-46-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-46-29-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-47-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-47-15-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
NB-47-25-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-47-31-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-48-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-48-11-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-15-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-35-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-49-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-49-05-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-49-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-49-25-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-49-37-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-50-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-50-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-50-25-SL	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470
NB-50-37-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-51-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-51-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-51-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
NB-51-37-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-52-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-52-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-52-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
NB-52-35-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-53-05-SL	11	J	410	29	J	410	180	J	410	160	J	410	390	J	410	100	J	410
NB-53-13-SL	420	U	420	420	U	420	25	J	420	420	U	420	46	J	420	420	U	420

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene			Benzo(k) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-53-33-SL	72	J	430	63	J	430	630		430	780		430	1800		430	620		430
NB-54-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-54-13-SL	420	U	420	420	U	420	62	J	420	420	U	420	150	J	420	420	U	420
NB-54-25-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-54-31-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-55-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-55-13-SL	740		420	420		420	630		420	260	J	420	480		420	150	J	420
NB-55-25-SL	12	J	490	490	U	490	39	J	490	490	U	490	35	J	490	490	U	490
NB-55-33-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-56-05-SL	65	J	410	200	J	410	600		410	380	J	410	770		410	200	J	410
NB-56-13-SL	26	J	430	62	J	430	240	J	430	430	U	430	310	J	430	160	J	430
NB-56-25-SL	420	U	420	420	U	420	24	J	420	420	U	420	32	J	420	420	U	420
NB-56-33-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-57-05-SL	420	U	420	420	U	420	70	J	420	46	J	420	110	J	420	41	J	420
NB-57-05-SL-FD	410	U	410	410	U	410	17	J	410	410	U	410	20	J	410	410	U	410
NB-57-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-57-29-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-57-34-SL	440	U	440	440	U	440	440	U	440	200	J	440	440	U	440	440	U	440
NB-58-05-SL	410	U	410	410	U	410	43	J	410	41	J	410	92	J	410	37	J	410
NB-58-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-58-29-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
NB-58-36-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-59-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-59-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-59-25-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
NB-59-31-SL	420	U	420	420	U	420	420	U	420	420	U	420	25	J	420	420	U	420
NB-60-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-60-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-60-23-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-60-31-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-61-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-61-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-61-23-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-61-28-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-62-05-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-62-12-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-62-22-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene			Benzo(k) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	410	U	410	410	U	410	18	J	410	410	U	410	19	J	410	410	U	410
NB-63-13-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-63-19-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-64-05-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-64-13-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
NB-64-17-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-65-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-65-13-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-65-17-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-66-05-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-66-05-SL-FD	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-66-15-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-66-19-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-67-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-67-11-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
NB-67-21-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-68-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-68-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-68-17-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-68-25-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-68-33-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-15-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-22-SL	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480	480	U	480
NB-69-34-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-70-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-70-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-70-23-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
NB-70-33-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-13-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-27-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-72-05-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-72-11-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-72-19-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-72-22-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-73-05-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene			Benzo(k) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-73-23-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-74-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-74-17-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-74-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-74-33-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-75-08-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-75-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-75-19-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-76-06-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
NB-76-10-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-76-24-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-77-05-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
NB-77-13-SL	350	U	350	350	U	350	350	U	350	350	U	350	350	U	350	350	U	350
NB-77-24-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-78-07-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-78-11-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-78-18-SL	440	U	440	440	U	440	440	U	440	300	J	440	440	U	440	440	U	440
NB-79-05-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-79-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-79-11-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-79-24-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-80-05-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-80-11-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-80-27-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-81-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-81-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-81-31-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-82-05-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-82-11-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-82-20-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-83-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-83-11-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-83-23-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-84-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-84-15-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370
NB-84-23-SL	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390	390	U	390
NB-84-33-SL	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene			Benzo(k) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
NB-85-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-85-25-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
NB-85-35-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
NB-86-05-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380
NB-86-15-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
NB-86-19-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
OA-18-03-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
OA-18-17-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
OA-18-25-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
OA-18-33-SL	440	U	440	440	U	440	32	J	440	23	J	440	33	J	440	440	U	440
OA-19-05-SL	28	J	410	70	J	410	250	J	410	220	J	410	310	J	410	120	J	410
OA-19-15-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
OA-19-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
OA-19-33-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-04-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-04-13-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
PL-04-23-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
PL-04-31-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
PL-05-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
PL-05-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-05-28-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
PL-06-07-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
PL-06-13-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-06-17-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
PL-06-29-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
PL-06-33-SL	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360	360	U	360
RR-04-05-SL	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440	440	U	440
RR-04-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
RR-04-25-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
RR-05-05-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
RR-05-05-SL-FD	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
RR-05-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
RR-05-25-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-02-01-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-02-09-SL	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430	430	U	430
SW-02-15-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
SW-02-23-SL	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470	470	U	470

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a)pyrene			Benzo(b) fluoranthene			Benzo(k) fluoranthene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
SW-05-12-SL	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400	400	U	400
SW-06-05-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-13-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-23-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
SW-07-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-07-15-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-07-23-SL	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450	450	U	450
SW-08-03-SL	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410	410	U	410
SW-08-05-SL	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420	420	U	420
SW-08-15-SL	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460	460	U	460
SW-08-25-SL	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380	380	U	380

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-23-SL	420	U	420	420	U	420	420	U	420	420	U	420
BD-13-30-SL	430	U	430	430	U	430	430	U	430	430	U	430
BD-14-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
BD-14-13-SL	420	U	420	420	U	420	420	U	420	420	U	420
BD-14-25-SL	440	U	440	440	U	440	440	U	440	440	U	440
BD-14-31-SL	410	U	410	410	U	410	410	U	410	410	U	410
BD-15-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
BD-15-17-SL	490	U	490	490	U	490	490	U	490	490	U	490
BD-15-25-SL	440	U	440	440	U	440	440	U	440	440	U	440
BD-15-31-SL	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
BD-16-19-SL	450	U	450	450	U	450	450	U	450	450	U	450
BD-16-25-SL	470	U	470	470	U	470	470	U	470	470	U	470
BD-16-34-SL	440	U	440	440	U	440	440	U	440	440	U	440
BLD240-01-01	400	U	0	400	U	0	400	U	0	400	U	0
BLD240-01-31	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-01-31FD	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-03-04	410	U	0	410	U	0	410	U	0	410	U	0
BLD240-03-14	420	U	0	420	U	0	420	U	0	420	U	0
BLD240-04-02	400	U	0	400	U	0	400	U	0	400	U	0
BLD240-04-33	390	U	0	390	U	0	390	U	0	390	U	0
BLD240-05-01	420	U	0	420	U	0	420	U	0	420	U	0
BLD240-05-23	450	U	0	450	U	0	450	U	0	450	U	0
BLD253-02-01	370	U	0	370	U	0	370	U	0	370	U	0
BLD253-02-21	430	U	0	430	U	0	430	U	0	430	U	0
BLD253-02-21FD	430	U	0	430	U	0	430	U	0	430	U	0
BLD255-07-02	400	U	0	400	U	0	400	U	0	400	U	0
BLD255-07-33	440	U	0	440	U	0	440	U	0	440	U	0
BLD255-08-01	390	U	0	390	U	0	390	U	0	390	U	0
BLD255-08-24	460	U	0	460	U	0	460	U	0	460	U	0
BLD260-06-01	440	U	0	440	U	0	440	U	0	440	U	0
BLD260-06-31	400	U	0	400	U	0	400	U	0	400	U	0
BP-13-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
BP-13-11-SL	420	U	420	420	U	420	420	U	420	420	U	420
BP-13-15-SL	420	U	420	420	U	420	420	U	420	420	U	420

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	480	U	480	480	U	480	480	U	480	480	U	480
BP-13-35-SL	420	U	420	420	U	420	420	U	420	420	U	420
BP-17-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
BP-17-15-SL	460	U	460	460	U	460	460	U	460	460	U	460
BP-17-23-SL	440	U	440	440	U	440	440	U	440	440	U	440
BP-17-31-SL	450	U	450	450	U	450	450	U	450	450	U	450
BP-18-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
BP-18-15-SL	440	U	440	440	U	440	440	U	440	440	U	440
BP-18-25-SL	450	U	450	450	U	450	450	U	450	450	U	450
BP-18-31-SL	380	U	380	380	U	380	380	U	380	380	U	380
BP-19-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
BP-19-13-SL	430	U	430	430	U	430	430	U	430	430	U	430
BP-19-25-SL	460	U	460	460	U	460	460	U	460	460	U	460
BP-19-29-SL	440	U	440	440	U	440	440	U	440	440	U	440
BP-20-03-SL	410	U	410	410	U	410	410	U	410	410	U	410
BP-20-19-SL	430	U	430	430	U	430	430	U	430	430	U	430
BP-20-27-SL	410	U	410	410	U	410	410	U	410	410	U	410
BP-21-07-SL	420	U	420	420	U	420	420	U	420	420	U	420
BP-21-07-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410
BP-21-13-SL	430	U	430	430	U	430	430	U	430	430	U	430
BP-21-24-SL	430	U	430	430	U	430	430	U	430	430	U	430
BP-21-34-SL	390	U	390	390	U	390	390	U	390	390	U	390
BP-22-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
BP-22-13-SL	420	U	420	420	U	420	420	U	420	420	U	420
BP-22-23-SL	430	U	430	430	U	430	430	U	430	430	U	430
BP-22-33-SL	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-05-SL-FD	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
CB-02-25-SL	450	U	450	450	U	450	450	U	450	450	U	450
DM-02-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
DM-02-17-SL	440	U	440	440	U	440	440	U	440	440	U	440
DM-02-25-SL	440	U	440	440	U	440	440	U	440	440	U	440
DM-02-33-SL	430	U	430	430	U	430	430	U	430	430	U	430
DM-03-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
DM-03-05-SL-FD	420	U	420	420	U	420	420	U	420	420	U	420
DM-03-13-SL	430	U	430	430	U	430	430	U	430	430	U	430
DM-03-25-SL	480	U	480	480	U	480	480	U	480	480	U	480

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	400	U	400	400	U	400	400	U	400	400	U	400
EP-13-06-SL	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-13-SL	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-25-SL	420	U	420	420	U	420	420	U	420	420	U	420
EP-13-30-SL	390	U	390	390	U	390	390	U	390	390	U	390
EP-14-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
EP-14-13-SL	420	U	420	420	U	420	420	U	420	420	U	420
EP-14-25-SL	430	U	430	430	U	430	430	U	430	430	U	430
EP-14-31-SL	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-13-SL	420	U	420	420	U	420	420	U	420	420	U	420
EP-15-25-SL	410	U	410	410	U	410	410	U	410	410	U	410
EP-15-29-SL	420	U	420	420	U	420	420	U	420	420	U	420
EP-16-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
EP-16-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
EP-16-27-SL	390	U	390	390	U	390	390	U	390	390	U	390
EP-17-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
EP-17-15-SL	410	U	410	410	U	410	410	U	410	410	U	410
EP-17-25-SL	430	U	430	430	U	430	430	U	430	430	U	430
EP-17-30-SL	430	U	430	430	U	430	430	U	430	430	U	430
EP-18-09-SL	400	U	400	400	U	400	400	U	400	400	U	400
EP-18-09-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400
EP-18-15-SL	430	U	430	430	U	430	430	U	430	430	U	430
EP-18-29-SL	450	U	450	450	U	450	450	U	450	450	U	450
EP-19-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-13-SL	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-25-SL	420	U	420	420	U	420	420	U	420	420	U	420
EP-19-31-SL	460	U	460	460	U	460	460	U	460	460	U	460
EP-20-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
EP-20-15-SL	430	U	430	430	U	430	430	U	430	430	U	430
EP-20-25-SL	430	U	430	430	U	430	430	U	430	430	U	430
GS-06-05-SL	380	U	380	380	U	380	380	U	380	380	U	380
GS-06-19-SL	420	U	420	420	U	420	420	U	420	420	U	420
GS-06-25-SL	410	U	410	410	U	410	410	U	410	410	U	410
GS-07-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
GS-07-15-SL	430	U	430	430	U	430	430	U	430	430	U	430
GS-07-25-SL	430	U	430	430	U	430	430	U	430	430	U	430
GS-09-05-SL	410	U	410	410	U	410	410	U	410	410	U	410

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	430	U	430	430	U	430	430	U	430	430	U	430
GS-09-23-SL	410	U	410	410	U	410	410	U	410	410	U	410
LF-06-05-SL	27	J	410	410	U	410	410	U	410	410	U	410
LF-06-13-SL	410	U	410	410	U	410	410	U	410	410	U	410
LF-06-27-SL	430	U	430	430	U	430	430	U	430	430	U	430
LF-06-32-SL	380	U	380	380	U	380	380	U	380	380	U	380
LF-07-03-SL	400	U	400	400	U	400	400	U	400	400	U	400
LF-07-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
LF-07-25-SL	420	U	420	420	U	420	420	U	420	420	U	420
LF-07-34-SL	400	U	400	400	U	400	400	U	400	400	U	400
LF-08-03-SL	130	J	410	410	U	410	63	J	410	200	J	410
LF-08-03-SL-FD	60	J	410	410	U	410	410	U	410	90	J	410
LF-08-15-SL	410	U	410	410	U	410	410	U	410	410	U	410
LF-08-21-SL	420	U	420	420	U	420	420	U	420	420	U	420
LF-08-37-SL	370	U	370	370	U	370	370	U	370	370	U	370
LF-09-03-SL	150	J	370	370	U	370	80	J	370	280	J	370
LF-09-17-SL	430	U	430	430	U	430	430	U	430	430	U	430
LF-09-25-SL	420	U	420	420	U	420	420	U	420	420	U	420
LF-09-31-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-04-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-14-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-28-24-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-28-35-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-29-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-29-14-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-29-22-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-30-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-30-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-30-25-SL	440	U	440	440	U	440	440	U	440	440	U	440
NB-30-33-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-31-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-31-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-31-27-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-31-32-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-32-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-32-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-32-27-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-32-33-SL	380	U	380	380	U	380	380	U	380	380	U	380

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-33-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-33-27-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-15-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-34-25-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-35-01-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-35-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-35-25-SL	440	U	440	440	U	440	440	U	440	440	U	440
NB-36-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-36-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-36-27-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-37-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-37-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-37-25-SL	440	U	440	440	U	440	440	U	440	440	U	440
NB-38-09-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-38-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-38-25-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-39-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-39-15-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-39-25-SL	440	U	440	440	U	440	440	U	440	440	U	440
NB-39-30-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-40-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-40-05-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400
NB-40-17-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-40-25-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-40-31-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-41-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-41-13-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-41-19-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-42-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-42-13-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-42-23-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-43-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-43-13-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-44-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-44-05-SL-FD	370	U	370	370	U	370	370	U	370	370	U	370
NB-44-11-SL	360	U	360	360	U	360	360	U	360	360	U	360

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-45-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-45-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410
NB-45-13-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-45-25-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-45-33-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-46-09-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-46-17-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-46-25-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-46-29-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-47-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-47-15-SL	450	U	450	450	U	450	450	U	450	450	U	450
NB-47-25-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-47-31-SL	460	U	460	460	U	460	460	U	460	460	U	460
NB-48-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-48-11-SL	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-15-SL	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-25-SL	440	U	440	440	U	440	440	U	440	440	U	440
NB-48-35-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-49-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-49-05-SL-FD	400	U	400	400	U	400	400	U	400	400	U	400
NB-49-15-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-49-25-SL	460	U	460	460	U	460	460	U	460	460	U	460
NB-49-37-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-50-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-50-15-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-50-25-SL	470	U	470	470	U	470	470	U	470	470	U	470
NB-50-37-SL	440	U	440	440	U	440	440	U	440	440	U	440
NB-51-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-51-13-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-51-25-SL	450	U	450	450	U	450	450	U	450	450	U	450
NB-51-37-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-52-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-52-13-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-52-25-SL	450	U	450	450	U	450	450	U	450	450	U	450
NB-52-35-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-53-05-SL	190	J	410	410	U	410	410	U	410	530		410
NB-53-13-SL	20	J	420	420	U	420	420	U	420	48	J	420

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	440	U	440	440	U	440	440	U	440	440	U	440
NB-53-33-SL	1000		430	430	U	430	360	J	430	2000		430
NB-54-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-54-13-SL	84	J	420	420	U	420	420	U	420	300	J	420
NB-54-25-SL	460	U	460	460	U	460	460	U	460	460	U	460
NB-54-31-SL	370	U	370	370	U	370	370	U	370	370	U	370
NB-55-05-SL	420	U	420	420	U	420	420	U	420	58	J	420
NB-55-13-SL	570		420	420	U	420	63	J	420	2100		420
NB-55-25-SL	26	J	490	490	U	490	490	U	490	61	J	490
NB-55-33-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-56-05-SL	640		410	410	U	410	410	U	410	5100		820
NB-56-13-SL	270	J	430	430	U	430	430	U	430	2400		430
NB-56-25-SL	18	J	420	420	U	420	420	U	420	43	J	420
NB-56-33-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-57-05-SL	62	J	420	420	U	420	420	U	420	160	J	420
NB-57-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410
NB-57-15-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-57-29-SL	440	U	440	440	U	440	440	U	440	440	U	440
NB-57-34-SL	440	U	440	440	U	440	440	U	440	440	U	440
NB-58-05-SL	44	J	410	410	U	410	410	U	410	83	J	410
NB-58-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-58-29-SL	450	U	450	450	U	450	450	U	450	450	U	450
NB-58-36-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-59-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-59-13-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-59-25-SL	440	U	440	440	U	440	440	U	440	440	U	440
NB-59-31-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-60-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-60-13-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-60-23-SL	460	U	460	460	U	460	460	U	460	460	U	460
NB-60-31-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-61-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-61-13-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-61-23-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-61-28-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-62-05-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-62-12-SL	370	U	370	370	U	370	370	U	370	370	U	370
NB-62-22-SL	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-63-13-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-63-19-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-64-05-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-64-13-SL	360	U	360	360	U	360	360	U	360	360	U	360
NB-64-17-SL	370	U	370	370	U	370	370	U	370	370	U	370
NB-65-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-65-13-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-65-17-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-66-05-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-66-05-SL-FD	380	U	380	380	U	380	380	U	380	380	U	380
NB-66-15-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-66-19-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-67-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-67-11-SL	360	U	360	360	U	360	360	U	360	360	U	360
NB-67-21-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-68-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-68-13-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-68-17-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-68-25-SL	460	U	460	460	U	460	460	U	460	460	U	460
NB-68-33-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-15-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-69-22-SL	480	U	480	480	U	480	480	U	480	480	U	480
NB-69-34-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-70-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-70-15-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-70-23-SL	460	U	460	460	U	460	460	U	460	460	U	460
NB-70-33-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-13-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-71-27-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-72-05-SL	370	U	370	370	U	370	370	U	370	370	U	370
NB-72-11-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-72-19-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-72-22-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-73-05-SL	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	370	U	370	370	U	370	370	U	370	370	U	370
NB-73-23-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-74-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-74-17-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-74-25-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-74-33-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-75-08-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-75-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-75-19-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-76-06-SL	360	U	360	360	U	360	360	U	360	360	U	360
NB-76-10-SL	370	U	370	370	U	370	370	U	370	370	U	370
NB-76-24-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-77-05-SL	360	U	360	360	U	360	360	U	360	360	U	360
NB-77-13-SL	350	U	350	350	U	350	350	U	350	350	U	350
NB-77-24-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-78-07-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-78-11-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-78-18-SL	440	U	440	440	U	440	440	U	440	440	U	440
NB-79-05-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-79-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410
NB-79-11-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-79-24-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-80-05-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-80-11-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-80-27-SL	370	U	370	370	U	370	370	U	370	370	U	370
NB-81-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-81-13-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-81-31-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-82-05-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-82-11-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-82-20-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-83-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-83-11-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-83-23-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-84-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-84-15-SL	370	U	370	370	U	370	370	U	370	370	U	370
NB-84-23-SL	390	U	390	390	U	390	390	U	390	390	U	390
NB-84-33-SL	370	U	370	370	U	370	370	U	370	370	U	370

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	400	U	400	400	U	400	400	U	400	400	U	400
NB-85-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-85-25-SL	410	U	410	410	U	410	410	U	410	410	U	410
NB-85-35-SL	420	U	420	420	U	420	420	U	420	420	U	420
NB-86-05-SL	380	U	380	380	U	380	380	U	380	380	U	380
NB-86-15-SL	430	U	430	430	U	430	430	U	430	430	U	430
NB-86-19-SL	420	U	420	420	U	420	420	U	420	420	U	420
OA-18-03-SL	400	U	400	400	U	400	400	U	400	400	U	400
OA-18-17-SL	440	U	440	440	U	440	440	U	440	440	U	440
OA-18-25-SL	450	U	450	450	U	450	450	U	450	450	U	450
OA-18-33-SL	31	J	440	440	U	440	440	U	440	71	J	440
OA-19-05-SL	280	J	410	410	U	410	130	J	410	1100		410
OA-19-15-SL	450	U	450	450	U	450	450	U	450	450	U	450
OA-19-25-SL	430	U	430	430	U	430	430	U	430	430	U	430
OA-19-33-SL	420	U	420	420	U	420	420	U	420	420	U	420
PL-04-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
PL-04-13-SL	430	U	430	430	U	430	430	U	430	430	U	430
PL-04-23-SL	430	U	430	430	U	430	430	U	430	430	U	430
PL-04-31-SL	430	U	430	430	U	430	430	U	430	430	U	430
PL-05-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
PL-05-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
PL-05-28-SL	450	U	450	450	U	450	450	U	450	450	U	450
PL-06-07-SL	410	U	410	410	U	410	410	U	410	410	U	410
PL-06-13-SL	420	U	420	420	U	420	420	U	420	420	U	420
PL-06-17-SL	420	U	420	420	U	420	420	U	420	420	U	420
PL-06-29-SL	430	U	430	430	U	430	430	U	430	430	U	430
PL-06-33-SL	360	U	360	360	U	360	360	U	360	360	U	360
RR-04-05-SL	440	U	440	440	U	440	440	U	440	440	U	440
RR-04-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
RR-04-25-SL	430	U	430	430	U	430	430	U	430	430	U	430
RR-05-05-SL	430	U	430	430	U	430	430	U	430	430	U	430
RR-05-05-SL-FD	420	U	420	420	U	420	420	U	420	420	U	420
RR-05-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
RR-05-25-SL	420	U	420	420	U	420	420	U	420	420	U	420
SW-02-01-SL	420	U	420	420	U	420	420	U	420	420	U	420
SW-02-09-SL	430	U	430	430	U	430	430	U	430	430	U	430
SW-02-15-SL	460	U	460	460	U	460	460	U	460	460	U	460
SW-02-23-SL	470	U	470	470	U	470	470	U	470	470	U	470

Table H.15c Organics (Polycyclic Aromatic Hydrocarbons) in Subsurface Soils (µg/kg)

Sample ID	Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	400	U	400	400	U	400	400	U	400	400	U	400
SW-05-12-SL	400	U	400	400	U	400	400	U	400	400	U	400
SW-06-05-SL	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-05-SL-FD	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-13-SL	410	U	410	410	U	410	410	U	410	410	U	410
SW-06-23-SL	450	U	450	450	U	450	450	U	450	450	U	450
SW-07-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
SW-07-15-SL	420	U	420	420	U	420	420	U	420	420	U	420
SW-07-23-SL	450	U	450	450	U	450	450	U	450	450	U	450
SW-08-03-SL	410	U	410	410	U	410	410	U	410	410	U	410
SW-08-05-SL	420	U	420	420	U	420	420	U	420	420	U	420
SW-08-15-SL	460	U	460	460	U	460	460	U	460	460	U	460
SW-08-25-SL	380	U	380	380	U	380	380	U	380	380	U	380

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BD-13-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BD-13-23-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BD-13-30-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BD-14-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BD-14-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BD-14-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
BD-14-31-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BD-15-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BD-15-17-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	24	U	24
BD-15-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
BD-15-31-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BD-16-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BD-16-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BD-16-19-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
BD-16-25-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	24	U	24
BD-16-34-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
BLD240-01-01	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0	20	U	0
BLD240-01-31	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	21	U	0
BLD240-01-31FD	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	21	U	0
BLD240-03-04	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	21	U	0
BLD240-03-14	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	21	U	0
BLD240-04-02	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0	20	U	0
BLD240-04-33	1.9	U	0	1.9	U	0	1.9	U	0	1.9	U	0	1.9	U	0	19	U	0
BLD240-05-01	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	21	U	0
BLD240-05-23	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	22	U	0
BLD253-02-01	1.8	U	0	1.8	U	0	0.73	J	0	1.8	U	0	1.8	U	0	18	U	0
BLD253-02-21	2.2	U	0	2.2	U	0	1.1	J	0	2.2	U	0	2.2	U	0	22	U	0
BLD253-02-21FD	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	22	U	0
BLD255-07-02	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0	20	U	0
BLD255-07-33	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	22	U	0
BLD255-08-01	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0	20	U	0
BLD255-08-24	2.3	U	0	2.3	U	0	2.3	U	0	2.3	U	0	2.3	U	0	23	U	0
BLD260-06-01	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	22	U	0
BLD260-06-31	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0	20	U	0
BP-13-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
BP-13-11-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-13-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	24	U	24
BP-13-35-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-17-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
BP-17-15-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
BP-17-23-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
BP-17-31-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
BP-18-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
BP-18-15-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
BP-18-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
BP-18-31-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
BP-19-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-19-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-19-25-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
BP-19-29-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
BP-20-03-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-20-19-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-20-27-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
BP-21-07-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-21-07-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-21-13-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
BP-21-24-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-21-34-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
BP-22-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
BP-22-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-22-23-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
BP-22-33-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
CB-02-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
CB-02-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
CB-02-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
CB-02-25-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
DM-02-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
DM-02-17-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
DM-02-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
DM-02-33-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
DM-03-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
DM-03-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
DM-03-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
DM-03-25-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	24	U	24

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
EP-13-06-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-13-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-13-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-13-30-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
EP-14-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-14-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-14-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
EP-14-31-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-15-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-15-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-15-25-SL	2	U	2	2	U	2	2	U	2	2	U	2	0.37	J	2	20	U	20
EP-15-29-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-16-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
EP-16-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-16-27-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
EP-17-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
EP-17-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-17-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-17-30-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	1.3	J	2.1	21	U	21
EP-18-09-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
EP-18-09-SL-FD	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
EP-18-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-18-29-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
EP-19-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-19-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-19-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-19-31-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
EP-20-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-20-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
EP-20-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
GS-06-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
GS-06-19-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
GS-06-25-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
GS-07-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
GS-07-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
GS-07-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
GS-09-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
GS-09-23-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
LF-06-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
LF-06-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
LF-06-27-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
LF-06-32-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
LF-07-03-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
LF-07-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
LF-07-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
LF-07-34-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
LF-08-03-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	0.28	J	2.1	21	U	21
LF-08-03-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	0.26	J	2.1	21	U	21
LF-08-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
LF-08-21-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
LF-08-37-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
LF-09-03-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	0.12	J	1.9	19	U	19
LF-09-17-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
LF-09-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
LF-09-31-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-28-04-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-28-14-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-28-24-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-28-35-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-29-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-29-14-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-29-22-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-30-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-30-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-30-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-30-33-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-31-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-31-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-31-27-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-31-32-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-32-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-32-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-32-27-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-32-33-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-33-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-33-27-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-34-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-34-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-34-25-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-35-01-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-35-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-35-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-36-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-36-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-36-27-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-37-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-37-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-37-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-38-09-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-38-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-38-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-39-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-39-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-39-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-39-30-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-40-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-40-05-SL-FD	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-40-17-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-40-25-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-40-31-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-41-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-41-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-41-19-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-42-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-42-13-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-42-23-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-43-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-43-13-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-44-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-44-05-SL-FD	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18
NB-44-11-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-45-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-45-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-45-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-45-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-45-33-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-46-09-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-46-17-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-46-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-46-29-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-47-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-47-15-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
NB-47-25-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-47-31-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-48-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-48-11-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-48-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-48-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-48-35-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-49-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-49-05-SL-FD	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-49-15-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-49-25-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
NB-49-37-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-50-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-50-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-50-25-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	24	U	24
NB-50-37-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-51-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-51-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-51-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-51-37-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-52-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-52-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-52-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-52-35-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-53-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-53-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-53-33-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-54-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-54-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-54-25-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
NB-54-31-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18
NB-55-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-55-13-SL	2.1	U	2.1	3		2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-55-25-SL	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	25	U	25
NB-55-33-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-56-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-56-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-56-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-56-33-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-57-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-57-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-57-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-57-29-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-57-34-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-58-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-58-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-58-29-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
NB-58-36-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-59-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-59-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-59-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-59-31-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-60-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-60-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-60-23-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
NB-60-31-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-61-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-61-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-61-23-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-61-28-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-62-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-62-12-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18
NB-62-22-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-63-13-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-63-19-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-64-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-64-13-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18
NB-64-17-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-65-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-65-13-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-65-17-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-66-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-66-05-SL-FD	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-66-15-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-66-19-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-67-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-67-11-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18
NB-67-21-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-68-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-68-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-68-17-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-68-25-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
NB-68-33-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-69-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-69-15-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-69-22-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	24	U	24
NB-69-34-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-70-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-70-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-70-23-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
NB-70-33-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-71-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-71-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-71-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-71-27-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-72-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-72-11-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-72-19-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-72-22-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-73-05-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18
NB-73-23-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-74-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-74-17-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-74-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-74-33-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-75-08-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-75-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-75-19-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-76-06-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18
NB-76-10-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18
NB-76-24-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-77-05-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18
NB-77-13-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18
NB-77-24-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-78-07-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-78-11-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-78-18-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-79-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-79-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-79-11-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-79-24-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-80-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-80-11-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-80-27-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-81-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-81-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-81-31-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-82-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-82-11-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-82-20-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-83-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-83-11-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-83-23-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-84-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-84-15-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-84-23-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-84-33-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
NB-85-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-85-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-85-35-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
NB-86-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19
NB-86-15-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
NB-86-19-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
OA-18-03-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
OA-18-17-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
OA-18-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
OA-18-33-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
OA-19-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
OA-19-15-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
OA-19-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
OA-19-33-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
PL-04-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
PL-04-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
PL-04-23-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
PL-04-31-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
PL-05-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
PL-05-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
PL-05-28-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
PL-06-07-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
PL-06-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
PL-06-17-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
PL-06-29-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
PL-06-33-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	18	U	18
RR-04-05-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
RR-04-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
RR-04-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
RR-05-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
RR-05-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
RR-05-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
RR-05-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
SW-02-01-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
SW-02-09-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
SW-02-15-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
SW-02-23-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	24	U	24

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
SW-05-12-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
SW-06-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
SW-06-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
SW-06-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
SW-06-23-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	22	U	22
SW-07-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
SW-07-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
SW-07-23-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
SW-08-03-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	20	U	20
SW-08-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	21	U	21
SW-08-15-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	23	U	23
SW-08-25-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BD-13-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BD-13-23-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BD-13-30-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BD-14-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BD-14-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BD-14-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
BD-14-31-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BD-15-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BD-15-17-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4
BD-15-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
BD-15-31-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BD-16-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BD-16-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BD-16-19-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
BD-16-25-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4
BD-16-34-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
BLD240-01-01	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0
BLD240-01-31	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0
BLD240-01-31FD	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0
BLD240-03-04	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0
BLD240-03-14	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0
BLD240-04-02	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0
BLD240-04-33	1.9	U	0	1.9	U	0	1.9	U	0	1.9	U	0	1.9	U	0	1.9	U	0
BLD240-05-01	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0	2.1	U	0
BLD240-05-23	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0
BLD253-02-01	1.8	U	0	1.8	U	0	1.8	U	0	1.8	U	0	1.8	U	0	1.8	U	0
BLD253-02-21	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0
BLD253-02-21FD	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0
BLD255-07-02	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0
BLD255-07-33	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0
BLD255-08-01	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0
BLD255-08-24	2.3	U	0	2.3	U	0	2.3	U	0	2.3	U	0	2.3	U	0	2.3	U	0
BLD260-06-01	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0	2.2	U	0
BLD260-06-31	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0	2	U	0
BP-13-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
BP-13-11-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-13-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4
BP-13-35-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-17-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
BP-17-15-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
BP-17-23-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
BP-17-31-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
BP-18-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
BP-18-15-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
BP-18-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
BP-18-31-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
BP-19-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-19-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-19-25-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
BP-19-29-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
BP-20-03-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-20-19-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-20-27-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
BP-21-07-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-21-07-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-21-13-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
BP-21-24-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-21-34-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
BP-22-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
BP-22-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-22-23-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
BP-22-33-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
CB-02-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
CB-02-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
CB-02-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
CB-02-25-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
DM-02-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
DM-02-17-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
DM-02-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
DM-02-33-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
DM-03-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
DM-03-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
DM-03-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
DM-03-25-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
EP-13-06-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-13-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-13-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-13-30-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
EP-14-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-14-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-14-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
EP-14-31-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-15-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-15-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-15-25-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
EP-15-29-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-16-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
EP-16-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-16-27-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
EP-17-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
EP-17-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-17-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-17-30-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-18-09-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
EP-18-09-SL-FD	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
EP-18-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-18-29-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
EP-19-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-19-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-19-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-19-31-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
EP-20-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-20-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
EP-20-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
GS-06-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
GS-06-19-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
GS-06-25-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
GS-07-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
GS-07-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
GS-07-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
GS-09-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
GS-09-23-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
LF-06-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
LF-06-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
LF-06-27-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
LF-06-32-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
LF-07-03-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
LF-07-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
LF-07-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
LF-07-34-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
LF-08-03-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	0.65	J	2.1	0.2	J	2.1	2.1	U	2.1
LF-08-03-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
LF-08-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
LF-08-21-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
LF-08-37-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
LF-09-03-SL	1.9	U	1.9	1.9	U	1.9	0.8	J	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
LF-09-17-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
LF-09-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
LF-09-31-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-28-04-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-28-14-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-28-24-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-28-35-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-29-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-29-14-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-29-22-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-30-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-30-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-30-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-30-33-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-31-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-31-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-31-27-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-31-32-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-32-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-32-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-32-27-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-32-33-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-33-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-33-27-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-34-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-34-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-34-25-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-35-01-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-35-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-35-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-36-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-36-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-36-27-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-37-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-37-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-37-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-38-09-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-38-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-38-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-39-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-39-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-39-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-39-30-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-40-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-40-05-SL-FD	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-40-17-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-40-25-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-40-31-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-41-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-41-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-41-19-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-42-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-42-13-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-42-23-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-43-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-43-13-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-44-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-44-05-SL-FD	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8
NB-44-11-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-45-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-45-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-45-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-45-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-45-33-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-46-09-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-46-17-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-46-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-46-29-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-47-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-47-15-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
NB-47-25-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-47-31-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-48-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-48-11-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-48-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-48-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-48-35-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-49-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-49-05-SL-FD	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-49-15-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-49-25-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
NB-49-37-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-50-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-50-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-50-25-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4
NB-50-37-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-51-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-51-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-51-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-51-37-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-52-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-52-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-52-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-52-35-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-53-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-53-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-53-33-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-54-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-54-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-54-25-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
NB-54-31-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8
NB-55-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-55-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	0.23	J	2.1	2.1	U	2.1
NB-55-25-SL	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5
NB-55-33-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-56-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-56-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-56-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-56-33-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-57-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-57-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-57-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-57-29-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-57-34-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-58-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-58-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-58-29-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
NB-58-36-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-59-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-59-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-59-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-59-31-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-60-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-60-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-60-23-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
NB-60-31-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-61-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-61-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-61-23-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-61-28-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-62-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-62-12-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8
NB-62-22-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-63-13-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-63-19-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-64-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-64-13-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8
NB-64-17-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-65-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-65-13-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-65-17-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-66-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-66-05-SL-FD	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-66-15-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-66-19-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-67-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-67-11-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8
NB-67-21-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-68-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-68-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-68-17-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-68-25-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
NB-68-33-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-69-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-69-15-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-69-22-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4
NB-69-34-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-70-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-70-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-70-23-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
NB-70-33-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-71-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-71-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-71-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-71-27-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-72-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-72-11-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-72-19-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-72-22-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-73-05-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8
NB-73-23-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-74-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-74-17-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-74-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-74-33-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-75-08-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-75-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-75-19-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-76-06-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8
NB-76-10-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8
NB-76-24-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-77-05-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8
NB-77-13-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8
NB-77-24-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-78-07-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-78-11-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-78-18-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-79-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-79-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-79-11-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-79-24-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-80-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-80-11-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-80-27-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-81-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-81-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-81-31-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-82-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-82-11-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-82-20-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-83-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-83-11-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-83-23-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-84-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-84-15-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-84-23-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-84-33-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
NB-85-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-85-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-85-35-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
NB-86-05-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
NB-86-15-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
NB-86-19-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
OA-18-03-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
OA-18-17-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
OA-18-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
OA-18-33-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
OA-19-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
OA-19-15-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
OA-19-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
OA-19-33-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
PL-04-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
PL-04-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
PL-04-23-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
PL-04-31-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
PL-05-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
PL-05-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
PL-05-28-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
PL-06-07-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
PL-06-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
PL-06-17-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
PL-06-29-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
PL-06-33-SL	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8
RR-04-05-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
RR-04-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
RR-04-25-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
RR-05-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
RR-05-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
RR-05-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
RR-05-25-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
SW-02-01-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
SW-02-09-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
SW-02-15-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
SW-02-23-SL	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC (Lindane)			Heptachlor (and its epoxide)		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
SW-05-12-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
SW-06-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
SW-06-05-SL-FD	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
SW-06-13-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
SW-06-23-SL	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2
SW-07-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
SW-07-15-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
SW-07-23-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
SW-08-03-SL	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2	2	U	2
SW-08-05-SL	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1	2.1	U	2.1
SW-08-15-SL	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3
SW-08-25-SL	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	2.1	U	2.1	11	U	11	110	U	110
BD-13-15-SL	2.1	U	2.1	10	U	10	100	U	100
BD-13-23-SL	2.1	U	2.1	11	U	11	110	U	110
BD-13-30-SL	2.1	U	2.1	11	U	11	110	U	110
BD-14-05-SL	2.1	U	2.1	10	U	10	100	U	100
BD-14-13-SL	2.1	U	2.1	11	U	11	110	U	110
BD-14-25-SL	2.2	U	2.2	11	U	11	110	U	110
BD-14-31-SL	2.1	U	2.1	10	U	10	100	U	100
BD-15-05-SL	2.1	U	2.1	10	U	10	100	U	100
BD-15-17-SL	2.4	U	2.4	12	U	12	120	U	120
BD-15-25-SL	2.2	U	2.2	11	U	11	110	U	110
BD-15-31-SL	2.1	U	2.1	11	U	11	110	U	110
BD-16-05-SL	2.1	U	2.1	10	U	10	100	U	100
BD-16-15-SL	2.1	U	2.1	10	U	10	100	U	100
BD-16-19-SL	2.3	U	2.3	11	U	11	110	U	110
BD-16-25-SL	2.4	U	2.4	12	U	12	120	U	120
BD-16-34-SL	2.2	U	2.2	11	U	11	110	U	110
BLD240-01-01	2	U	0	10	U	0	100	U	0
BLD240-01-31	2.1	U	0	10	U	0	100	U	0
BLD240-01-31FD	2.1	U	0	10	U	0	100	U	0
BLD240-03-04	2.1	U	0	10	U	0	100	U	0
BLD240-03-14	2.1	U	0	11	U	0	110	U	0
BLD240-04-02	2	U	0	10	U	0	100	U	0
BLD240-04-33	1.9	U	0	9.7	U	0	97	U	0
BLD240-05-01	2.1	U	0	10	U	0	100	U	0
BLD240-05-23	2.2	U	0	11	U	0	110	U	0
BLD253-02-01	1.8	U	0	9.2	U	0	92	U	0
BLD253-02-21	2.2	U	0	11	U	0	110	U	0
BLD253-02-21FD	2.2	U	0	11	U	0	110	U	0
BLD255-07-02	2	U	0	10	U	0	100	U	0
BLD255-07-33	2.2	U	0	11	U	0	110	U	0
BLD255-08-01	2	U	0	9.8	U	0	98	U	0
BLD255-08-24	2.3	U	0	11	U	0	110	U	0
BLD260-06-01	2.2	U	0	11	U	0	110	U	0
BLD260-06-31	2	U	0	10	U	0	100	U	0
BP-13-05-SL	2	U	2	10	U	10	100	U	100
BP-13-11-SL	2.1	U	2.1	10	U	10	100	U	100
BP-13-15-SL	2.1	U	2.1	11	U	11	110	U	110

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	2.4	U	2.4	12	U	12	120	U	120
BP-13-35-SL	2.1	U	2.1	10	U	10	100	U	100
BP-17-05-SL	2	U	2	10	U	10	100	U	100
BP-17-15-SL	2.3	U	2.3	11	U	11	110	U	110
BP-17-23-SL	2.2	U	2.2	11	U	11	110	U	110
BP-17-31-SL	2.2	U	2.2	11	U	11	110	U	110
BP-18-05-SL	2	U	2	9.9	U	9.9	99	U	99
BP-18-15-SL	2.2	U	2.2	11	U	11	110	U	110
BP-18-25-SL	2.2	U	2.2	11	U	11	110	U	110
BP-18-31-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
BP-19-05-SL	2.1	U	2.1	10	U	10	100	U	100
BP-19-13-SL	2.1	U	2.1	11	U	11	110	U	110
BP-19-25-SL	2.3	U	2.3	11	U	11	110	U	110
BP-19-29-SL	2.2	U	2.2	11	U	11	110	U	110
BP-20-03-SL	2.1	U	2.1	10	U	10	100	U	100
BP-20-19-SL	2.1	U	2.1	11	U	11	110	U	110
BP-20-27-SL	2	U	2	10	U	10	100	U	100
BP-21-07-SL	2.1	U	2.1	11	U	11	110	U	110
BP-21-07-SL-FD	2.1	U	2.1	10	U	10	100	U	100
BP-21-13-SL	2.2	U	2.2	11	U	11	110	U	110
BP-21-24-SL	2.1	U	2.1	11	U	11	110	U	110
BP-21-34-SL	2	U	2	9.8	U	9.8	98	U	98
BP-22-05-SL	2	U	2	10	U	10	100	U	100
BP-22-13-SL	2.1	U	2.1	11	U	11	110	U	110
BP-22-23-SL	2.1	U	2.1	11	U	11	110	U	110
BP-22-33-SL	2.1	U	2.1	11	U	11	110	U	110
CB-02-05-SL	2.1	U	2.1	10	U	10	100	U	100
CB-02-05-SL-FD	2.1	U	2.1	11	U	11	110	U	110
CB-02-15-SL	2.1	U	2.1	10	U	10	100	U	100
CB-02-25-SL	2.3	U	2.3	11	U	11	110	U	110
DM-02-05-SL	2.1	U	2.1	10	U	10	100	U	100
DM-02-17-SL	2.2	U	2.2	11	U	11	110	U	110
DM-02-25-SL	2.2	U	2.2	11	U	11	110	U	110
DM-02-33-SL	2.1	U	2.1	11	U	11	110	U	110
DM-03-05-SL	2.1	U	2.1	10	U	10	100	U	100
DM-03-05-SL-FD	2.1	U	2.1	10	U	10	100	U	100
DM-03-13-SL	2.1	U	2.1	11	U	11	110	U	110
DM-03-25-SL	2.4	U	2.4	12	U	12	120	U	120

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	2	U	2	10	U	10	100	U	100
EP-13-06-SL	2.1	U	2.1	10	U	10	100	U	100
EP-13-13-SL	2.1	U	2.1	10	U	10	100	U	100
EP-13-25-SL	2.1	U	2.1	10	U	10	100	U	100
EP-13-30-SL	1.9	U	1.9	9.6	U	9.6	96	U	96
EP-14-05-SL	2.1	U	2.1	10	U	10	100	U	100
EP-14-13-SL	2.1	U	2.1	11	U	11	110	U	110
EP-14-25-SL	2.2	U	2.2	11	U	11	110	U	110
EP-14-31-SL	2.1	U	2.1	10	U	10	100	U	100
EP-15-05-SL	2.1	U	2.1	10	U	10	100	U	100
EP-15-13-SL	2.1	U	2.1	11	U	11	110	U	110
EP-15-25-SL	2	U	2	10	U	10	100	U	100
EP-15-29-SL	2.1	U	2.1	11	U	11	110	U	110
EP-16-05-SL	2	U	2	10	U	10	100	U	100
EP-16-15-SL	2.1	U	2.1	11	U	11	110	U	110
EP-16-27-SL	1.9	U	1.9	9.6	U	9.6	96	U	96
EP-17-05-SL	2	U	2	10	U	10	100	U	100
EP-17-15-SL	2.1	U	2.1	10	U	10	100	U	100
EP-17-25-SL	2.1	U	2.1	11	U	11	110	U	110
EP-17-30-SL	2.1	U	2.1	11	U	11	110	U	110
EP-18-09-SL	2	U	2	10	U	10	100	U	100
EP-18-09-SL-FD	2	U	2	10	U	10	100	U	100
EP-18-15-SL	2.1	U	2.1	11	U	11	110	U	110
EP-18-29-SL	2.3	U	2.3	11	U	11	110	U	110
EP-19-05-SL	2.1	U	2.1	10	U	10	100	U	100
EP-19-13-SL	2.1	U	2.1	11	U	11	110	U	110
EP-19-25-SL	2.1	U	2.1	11	U	11	110	U	110
EP-19-31-SL	2.3	U	2.3	11	U	11	110	U	110
EP-20-05-SL	2.1	U	2.1	10	U	10	100	U	100
EP-20-15-SL	2.1	U	2.1	11	U	11	110	U	110
EP-20-25-SL	2.2	U	2.2	11	U	11	110	U	110
GS-06-05-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
GS-06-19-SL	2.1	U	2.1	10	U	10	100	U	100
GS-06-25-SL	2	U	2	10	U	10	100	U	100
GS-07-05-SL	2	U	2	10	U	10	100	U	100
GS-07-15-SL	2.1	U	2.1	11	U	11	110	U	110
GS-07-25-SL	2.1	U	2.1	11	U	11	110	U	110
GS-09-05-SL	2.1	U	2.1	10	U	10	100	U	100

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	2.1	U	2.1	11	U	11	110	U	110
GS-09-23-SL	2.1	U	2.1	10	U	10	100	U	100
LF-06-05-SL	2	U	2	10	U	10	100	U	100
LF-06-13-SL	2.1	U	2.1	10	U	10	100	U	100
LF-06-27-SL	2.1	U	2.1	11	U	11	110	U	110
LF-06-32-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
LF-07-03-SL	2	U	2	10	U	10	100	U	100
LF-07-15-SL	2.1	U	2.1	10	U	10	100	U	100
LF-07-25-SL	2.1	U	2.1	11	U	11	110	U	110
LF-07-34-SL	2	U	2	10	U	10	100	U	100
LF-08-03-SL	2.1	U	2.1	10	U	10	100	U	100
LF-08-03-SL-FD	2.1	U	2.1	10	U	10	100	U	100
LF-08-15-SL	2.1	U	2.1	10	U	10	100	U	100
LF-08-21-SL	2.1	U	2.1	10	U	10	100	U	100
LF-08-37-SL	1.9	U	1.9	9.3	U	9.3	93	U	93
LF-09-03-SL	1.9	U	1.9	9.3	U	9.3	93	U	93
LF-09-17-SL	2.1	U	2.1	11	U	11	110	U	110
LF-09-25-SL	2.1	U	2.1	11	U	11	110	U	110
LF-09-31-SL	2	U	2	10	U	10	100	U	100
NB-28-04-SL	2	U	2	10	U	10	100	U	100
NB-28-14-SL	2	U	2	10	U	10	100	U	100
NB-28-24-SL	2.1	U	2.1	11	U	11	110	U	110
NB-28-35-SL	2	U	2	10	U	10	100	U	100
NB-29-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-29-14-SL	1.9	U	1.9	9.7	U	9.7	97	U	97
NB-29-22-SL	1.9	U	1.9	9.4	U	9.4	94	U	94
NB-30-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-30-15-SL	2.1	U	2.1	11	U	11	110	U	110
NB-30-25-SL	2.2	U	2.2	11	U	11	110	U	110
NB-30-33-SL	2.1	U	2.1	10	U	10	100	U	100
NB-31-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-31-15-SL	2.1	U	2.1	11	U	11	110	U	110
NB-31-27-SL	2.2	U	2.2	11	U	11	110	U	110
NB-31-32-SL	1.9	U	1.9	9.7	U	9.7	97	U	97
NB-32-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-32-15-SL	2.1	U	2.1	10	U	10	100	U	100
NB-32-27-SL	2.1	U	2.1	10	U	10	100	U	100
NB-32-33-SL	1.9	U	1.9	9.6	U	9.6	96	U	96

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	2	U	2	10	U	10	100	U	100
NB-33-15-SL	2.1	U	2.1	10	U	10	100	U	100
NB-33-27-SL	2	U	2	10	U	10	100	U	100
NB-34-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-34-15-SL	2.1	U	2.1	10	U	10	100	U	100
NB-34-25-SL	2	U	2	9.9	U	9.9	99	U	99
NB-35-01-SL	2.1	U	2.1	10	U	10	100	U	100
NB-35-15-SL	2.1	U	2.1	11	U	11	110	U	110
NB-35-25-SL	2.2	U	2.2	11	U	11	110	U	110
NB-36-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-36-15-SL	2.1	U	2.1	10	U	10	100	U	100
NB-36-27-SL	2.1	U	2.1	11	U	11	110	U	110
NB-37-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-37-15-SL	2.1	U	2.1	10	U	10	100	U	100
NB-37-25-SL	2.2	U	2.2	11	U	11	110	U	110
NB-38-09-SL	2.1	U	2.1	10	U	10	100	U	100
NB-38-15-SL	2.1	U	2.1	11	U	11	110	U	110
NB-38-25-SL	2.2	U	2.2	11	U	11	110	U	110
NB-39-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-39-15-SL	2.1	U	2.1	11	U	11	110	U	110
NB-39-25-SL	2.2	U	2.2	11	U	11	110	U	110
NB-39-30-SL	2.1	U	2.1	11	U	11	110	U	110
NB-40-05-SL	2	U	2	10	U	10	100	U	100
NB-40-05-SL-FD	1.9	U	1.9	9.6	U	9.6	96	U	96
NB-40-17-SL	2.1	U	2.1	11	U	11	110	U	110
NB-40-25-SL	2	U	2	9.8	U	9.8	98	U	98
NB-40-31-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
NB-41-05-SL	2	U	2	10	U	10	100	U	100
NB-41-13-SL	2.1	U	2.1	10	U	10	100	U	100
NB-41-19-SL	2.1	U	2.1	11	U	11	110	U	110
NB-42-05-SL	2	U	2	10	U	10	100	U	100
NB-42-13-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
NB-42-23-SL	2	U	2	9.9	U	9.9	99	U	99
NB-43-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-43-13-SL	2	U	2	9.8	U	9.8	98	U	98
NB-44-05-SL	2	U	2	9.9	U	9.9	99	U	99
NB-44-05-SL-FD	1.8	U	1.8	9.2	U	9.2	92	U	92
NB-44-11-SL	1.8	U	1.8	9.1	U	9.1	91	U	91

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	2	U	2	9.9	U	9.9	99	U	99
NB-45-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-45-05-SL-FD	2.1	U	2.1	10	U	10	100	U	100
NB-45-13-SL	2.1	U	2.1	11	U	11	110	U	110
NB-45-25-SL	2.1	U	2.1	11	U	11	110	U	110
NB-45-33-SL	2.1	U	2.1	11	U	11	110	U	110
NB-46-09-SL	2.1	U	2.1	11	U	11	110	U	110
NB-46-17-SL	2	U	2	10	U	10	100	U	100
NB-46-25-SL	2.1	U	2.1	11	U	11	110	U	110
NB-46-29-SL	2.1	U	2.1	10	U	10	100	U	100
NB-47-05-SL	2	U	2	10	U	10	100	U	100
NB-47-15-SL	2.3	U	2.3	11	U	11	110	U	110
NB-47-25-SL	2	U	2	10	U	10	100	U	100
NB-47-31-SL	2.2	U	2.2	11	U	11	110	U	110
NB-48-05-SL	2	U	2	10	U	10	100	U	100
NB-48-11-SL	2.2	U	2.2	11	U	11	110	U	110
NB-48-15-SL	2.1	U	2.1	11	U	11	110	U	110
NB-48-25-SL	2.2	U	2.2	11	U	11	110	U	110
NB-48-35-SL	2.1	U	2.1	10	U	10	100	U	100
NB-49-05-SL	2	U	2	10	U	10	100	U	100
NB-49-05-SL-FD	2	U	2	10	U	10	100	U	100
NB-49-15-SL	2.2	U	2.2	11	U	11	110	U	110
NB-49-25-SL	2.3	U	2.3	12	U	12	120	U	120
NB-49-37-SL	2.2	U	2.2	11	U	11	110	U	110
NB-50-05-SL	2	U	2	10	U	10	100	U	100
NB-50-15-SL	2.1	U	2.1	11	U	11	110	U	110
NB-50-25-SL	2.4	U	2.4	12	U	12	120	U	120
NB-50-37-SL	2.2	U	2.2	11	U	11	110	U	110
NB-51-05-SL	2	U	2	10	U	10	100	U	100
NB-51-13-SL	2.1	U	2.1	11	U	11	110	U	110
NB-51-25-SL	2.2	U	2.2	11	U	11	110	U	110
NB-51-37-SL	2.1	U	2.1	11	U	11	110	U	110
NB-52-05-SL	2	U	2	10	U	10	100	U	100
NB-52-13-SL	2.1	U	2.1	11	U	11	110	U	110
NB-52-25-SL	2.2	U	2.2	11	U	11	110	U	110
NB-52-35-SL	2	U	2	9.9	U	9.9	99	U	99
NB-53-05-SL	2	U	2	10	U	10	100	U	100
NB-53-13-SL	2.1	U	2.1	10	U	10	100	U	100

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	2.2	U	2.2	11	U	11	110	U	110
NB-53-33-SL	2.1	U	2.1	11	U	11	110	U	110
NB-54-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-54-13-SL	2.1	U	2.1	11	U	11	110	U	110
NB-54-25-SL	2.3	U	2.3	12	U	12	120	U	120
NB-54-31-SL	1.8	U	1.8	9.2	U	9.2	92	U	92
NB-55-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-55-13-SL	2.1	U	2.1	10	U	10	100	U	100
NB-55-25-SL	2.5	U	2.5	12	U	12	120	U	120
NB-55-33-SL	2	U	2	9.8	U	9.8	98	U	98
NB-56-05-SL	2	U	2	10	U	10	100	U	100
NB-56-13-SL	2.1	U	2.1	11	U	11	110	U	110
NB-56-25-SL	2.1	U	2.1	11	U	11	110	U	110
NB-56-33-SL	2.2	U	2.2	11	U	11	110	U	110
NB-57-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-57-05-SL-FD	2.1	U	2.1	10	U	10	100	U	100
NB-57-15-SL	2.1	U	2.1	11	U	11	110	U	110
NB-57-29-SL	2.2	U	2.2	11	U	11	110	U	110
NB-57-34-SL	2.2	U	2.2	11	U	11	110	U	110
NB-58-05-SL	2	U	2	10	U	10	100	U	100
NB-58-15-SL	2.1	U	2.1	11	U	11	110	U	110
NB-58-29-SL	2.3	U	2.3	11	U	11	110	U	110
NB-58-36-SL	2	U	2	9.8	U	9.8	98	U	98
NB-59-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-59-13-SL	2.1	U	2.1	11	U	11	110	U	110
NB-59-25-SL	2.2	U	2.2	11	U	11	110	U	110
NB-59-31-SL	2.1	U	2.1	10	U	10	100	U	100
NB-60-05-SL	2	U	2	10	U	10	100	U	100
NB-60-13-SL	2.1	U	2.1	11	U	11	110	U	110
NB-60-23-SL	2.3	U	2.3	12	U	12	120	U	120
NB-60-31-SL	2.1	U	2.1	10	U	10	100	U	100
NB-61-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-61-13-SL	2.1	U	2.1	11	U	11	110	U	110
NB-61-23-SL	2.1	U	2.1	11	U	11	110	U	110
NB-61-28-SL	2.1	U	2.1	10	U	10	100	U	100
NB-62-05-SL	1.9	U	1.9	9.7	U	9.7	97	U	97
NB-62-12-SL	1.8	U	1.8	9.2	U	9.2	92	U	92
NB-62-22-SL	1.8	U	1.8	9.2	U	9.2	92	U	92

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-63-13-SL	1.9	U	1.9	9.7	U	9.7	97	U	97
NB-63-19-SL	2	U	2	10	U	10	100	U	100
NB-64-05-SL	1.9	U	1.9	9.6	U	9.6	96	U	96
NB-64-13-SL	1.8	U	1.8	9	U	9	90	U	90
NB-64-17-SL	1.9	U	1.9	9.3	U	9.3	93	U	93
NB-65-05-SL	2	U	2	9.9	U	9.9	99	U	99
NB-65-13-SL	2	U	2	10	U	10	100	U	100
NB-65-17-SL	1.9	U	1.9	9.6	U	9.6	96	U	96
NB-66-05-SL	1.9	U	1.9	9.6	U	9.6	96	U	96
NB-66-05-SL-FD	1.9	U	1.9	9.6	U	9.6	96	U	96
NB-66-15-SL	2	U	2	10	U	10	100	U	100
NB-66-19-SL	1.9	U	1.9	9.6	U	9.6	96	U	96
NB-67-05-SL	2	U	2	10	U	10	100	U	100
NB-67-11-SL	1.8	U	1.8	9	U	9	90	U	90
NB-67-21-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
NB-68-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-68-13-SL	2.1	U	2.1	10	U	10	100	U	100
NB-68-17-SL	2	U	2	10	U	10	100	U	100
NB-68-25-SL	2.3	U	2.3	12	U	12	120	U	120
NB-68-33-SL	2	U	2	10	U	10	100	U	100
NB-69-05-SL	2	U	2	10	U	10	100	U	100
NB-69-15-SL	2	U	2	10	U	10	100	U	100
NB-69-22-SL	2.4	U	2.4	12	U	12	120	U	120
NB-69-34-SL	2.1	U	2.1	10	U	10	100	U	100
NB-70-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-70-15-SL	2.1	U	2.1	11	U	11	110	U	110
NB-70-23-SL	2.3	U	2.3	12	U	12	120	U	120
NB-70-33-SL	2	U	2	10	U	10	100	U	100
NB-71-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-71-05-SL-FD	2.1	U	2.1	10	U	10	100	U	100
NB-71-13-SL	2.1	U	2.1	10	U	10	100	U	100
NB-71-27-SL	2	U	2	10	U	10	100	U	100
NB-72-05-SL	1.9	U	1.9	9.3	U	9.3	93	U	93
NB-72-11-SL	2	U	2	9.8	U	9.8	98	U	98
NB-72-19-SL	1.9	U	1.9	9.6	U	9.6	96	U	96
NB-72-22-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
NB-73-05-SL	1.8	U	1.8	9.2	U	9.2	92	U	92

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	1.8	U	1.8	9.2	U	9.2	92	U	92
NB-73-23-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
NB-74-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-74-17-SL	2.1	U	2.1	10	U	10	100	U	100
NB-74-25-SL	2.1	U	2.1	11	U	11	110	U	110
NB-74-33-SL	2	U	2	9.9	U	9.9	99	U	99
NB-75-08-SL	2.1	U	2.1	10	U	10	100	U	100
NB-75-15-SL	2.1	U	2.1	10	U	10	100	U	100
NB-75-19-SL	2	U	2	9.9	U	9.9	99	U	99
NB-76-06-SL	1.8	U	1.8	9	U	9	90	U	90
NB-76-10-SL	1.8	U	1.8	9.2	U	9.2	92	U	92
NB-76-24-SL	2	U	2	9.8	U	9.8	98	U	98
NB-77-05-SL	1.8	U	1.8	9	U	9	90	U	90
NB-77-13-SL	1.8	U	1.8	8.8	U	8.8	88	U	88
NB-77-24-SL	1.9	U	1.9	9.4	U	9.4	94	U	94
NB-78-07-SL	2.1	U	2.1	10	U	10	100	U	100
NB-78-11-SL	2.1	U	2.1	10	U	10	100	U	100
NB-78-18-SL	2.2	U	2.2	11	U	11	110	U	110
NB-79-05-SL	1.9	U	1.9	9.7	U	9.7	97	U	97
NB-79-05-SL-FD	2.1	U	2.1	10	U	10	100	U	100
NB-79-11-SL	2	U	2	10	U	10	100	U	100
NB-79-24-SL	2	U	2	10	U	10	100	U	100
NB-80-05-SL	2	U	2	9.8	U	9.8	98	U	98
NB-80-11-SL	2.1	U	2.1	10	U	10	100	U	100
NB-80-27-SL	1.9	U	1.9	9.3	U	9.3	93	U	93
NB-81-05-SL	2	U	2	10	U	10	100	U	100
NB-81-13-SL	2.1	U	2.1	11	U	11	110	U	110
NB-81-31-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
NB-82-05-SL	2.1	U	2.1	11	U	11	110	U	110
NB-82-11-SL	2	U	2	10	U	10	100	U	100
NB-82-20-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
NB-83-05-SL	2.1	U	2.1	10	U	10	100	U	100
NB-83-11-SL	2.1	U	2.1	10	U	10	100	U	100
NB-83-23-SL	1.9	U	1.9	9.5	U	9.5	95	U	95
NB-84-05-SL	2	U	2	9.9	U	9.9	99	U	99
NB-84-15-SL	1.9	U	1.9	9.3	U	9.3	93	U	93
NB-84-23-SL	2	U	2	9.8	U	9.8	98	U	98
NB-84-33-SL	1.9	U	1.9	9.3	U	9.3	93	U	93

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	2	U	2	10	U	10	100	U	100
NB-85-15-SL	2.1	U	2.1	10	U	10	100	U	100
NB-85-25-SL	2.1	U	2.1	10	U	10	100	U	100
NB-85-35-SL	2.1	U	2.1	10	U	10	100	U	100
NB-86-05-SL	1.9	U	1.9	9.6	U	9.6	96	U	96
NB-86-15-SL	2.2	U	2.2	11	U	11	110	U	110
NB-86-19-SL	2.1	U	2.1	11	U	11	110	U	110
OA-18-03-SL	2	U	2	10	U	10	100	U	100
OA-18-17-SL	2.2	U	2.2	11	U	11	110	U	110
OA-18-25-SL	2.2	U	2.2	11	U	11	110	U	110
OA-18-33-SL	2.2	U	2.2	11	U	11	110	U	110
OA-19-05-SL	2.1	U	2.1	10	U	10	100	U	100
OA-19-15-SL	2.3	U	2.3	11	U	11	110	U	110
OA-19-25-SL	2.2	U	2.2	11	U	11	110	U	110
OA-19-33-SL	2.1	U	2.1	10	U	10	100	U	100
PL-04-05-SL	2.1	U	2.1	10	U	10	100	U	100
PL-04-13-SL	2.1	U	2.1	11	U	11	110	U	110
PL-04-23-SL	2.2	U	2.2	11	U	11	110	U	110
PL-04-31-SL	2.1	U	2.1	11	U	11	110	U	110
PL-05-05-SL	2.1	U	2.1	10	U	10	100	U	100
PL-05-15-SL	2.1	U	2.1	10	U	10	100	U	100
PL-05-28-SL	2.3	U	2.3	11	U	11	110	U	110
PL-06-07-SL	2.1	U	2.1	10	U	10	100	U	100
PL-06-13-SL	2.1	U	2.1	11	U	11	110	U	110
PL-06-17-SL	2.1	U	2.1	11	U	11	110	U	110
PL-06-29-SL	2.1	U	2.1	11	U	11	110	U	110
PL-06-33-SL	1.8	U	1.8	9.1	U	9.1	91	U	91
RR-04-05-SL	2.2	U	2.2	11	U	11	110	U	110
RR-04-15-SL	2.1	U	2.1	10	U	10	100	U	100
RR-04-25-SL	2.2	U	2.2	11	U	11	110	U	110
RR-05-05-SL	2.1	U	2.1	11	U	11	110	U	110
RR-05-05-SL-FD	2.1	U	2.1	11	U	11	110	U	110
RR-05-15-SL	2.1	U	2.1	11	U	11	110	U	110
RR-05-25-SL	2.1	U	2.1	10	U	10	100	U	100
SW-02-01-SL	2.1	U	2.1	11	U	11	110	U	110
SW-02-09-SL	2.2	U	2.2	11	U	11	110	U	110
SW-02-15-SL	2.3	U	2.3	12	U	12	120	U	120
SW-02-23-SL	2.4	U	2.4	12	U	12	120	U	120

Table H.15d Organics (Pesticides) in Subsurface Soils (µg/kg)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	2	U	2	9.9	U	9.9	99	U	99
SW-05-12-SL	2	U	2	10	U	10	100	U	100
SW-06-05-SL	2.1	U	2.1	10	U	10	100	U	100
SW-06-05-SL-FD	2.1	U	2.1	10	U	10	100	U	100
SW-06-13-SL	2.1	U	2.1	10	U	10	100	U	100
SW-06-23-SL	2.2	U	2.2	11	U	11	110	U	110
SW-07-05-SL	2.1	U	2.1	10	U	10	100	U	100
SW-07-15-SL	2.1	U	2.1	10	U	10	100	U	100
SW-07-23-SL	2.3	U	2.3	11	U	11	110	U	110
SW-08-03-SL	2	U	2	10	U	10	100	U	100
SW-08-05-SL	2.1	U	2.1	11	U	11	110	U	110
SW-08-15-SL	2.3	U	2.3	11	U	11	110	U	110
SW-08-25-SL	1.9	U	1.9	9.5	U	9.5	95	U	95

Table H.15e Organics (Polychlorinated Biphenyls) in Subsurface Soils (ug/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
BD-13-15-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
BD-13-23-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
BD-13-30-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
BD-14-05-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
BD-14-13-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
BD-14-25-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
BD-14-31-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
BD-15-05-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
BD-15-17-SL	49	U	49	98	U	98	49	U	49	49	U	49	49	U	49	49	U	49	49	U	49
BD-15-25-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
BD-15-31-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
BD-16-05-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
BD-16-15-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
BD-16-19-SL	45	U	45	91	U	91	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
BD-16-25-SL	48	U	48	95	U	95	48	U	48	48	U	48	48	U	48	48	U	48	48	U	48
BD-16-34-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
BLD240-01-01	40	U	0	81	U	0	40	U	0	40	U	0	40	U	0	40	U	0	40	U	0
BLD240-01-31	41	U	0	83	U	0	41	U	0	41	U	0	41	U	0	41	U	0	41	U	0
BLD240-01-31FD	41	U	0	83	U	0	41	U	0	41	U	0	41	U	0	41	U	0	41	U	0
BLD240-03-04	41	U	0	83	U	0	41	U	0	41	U	0	41	U	0	41	U	0	41	U	0
BLD240-03-14	42	U	0	84	U	0	42	U	0	42	U	0	42	U	0	42	U	0	42	U	0
BLD240-04-02	40	U	0	80	U	0	40	U	0	40	U	0	40	U	0	40	U	0	40	U	0
BLD240-04-33	39	U	0	78	U	0	39	U	0	39	U	0	39	U	0	39	U	0	39	U	0
BLD240-05-01	42	U	0	84	U	0	42	U	0	42	U	0	42	U	0	42	U	0	42	U	0
BLD240-05-23	45	U	0	90	U	0	45	U	0	45	U	0	45	U	0	45	U	0	45	U	0
BLD253-02-01	37	U	0	74	U	0	37	U	0	37	U	0	37	U	0	37	U	0	3.2	J	0
BLD253-02-21	43	U	0	87	U	0	43	U	0	43	U	0	43	U	0	43	U	0	43	U	0
BLD253-02-21FD	43	U	0	87	U	0	43	U	0	43	U	0	43	U	0	43	U	0	43	U	0
BLD255-07-02	40	U	0	80	U	0	40	U	0	40	U	0	40	U	0	40	U	0	40	U	0
BLD255-07-33	44	U	0	87	U	0	44	U	0	44	U	0	44	U	0	44	U	0	44	U	0
BLD255-08-01	39	U	0	79	U	0	39	U	0	39	U	0	39	U	0	39	U	0	39	U	0
BLD255-08-24	46	U	0	91	U	0	46	U	0	46	U	0	46	U	0	46	U	0	46	U	0
BLD260-06-01	44	U	0	88	U	0	44	U	0	44	U	0	44	U	0	44	U	0	44	U	0
BLD260-06-31	40	U	0	80	U	0	40	U	0	40	U	0	40	U	0	40	U	0	40	U	0
BP-13-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
BP-13-11-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
BP-13-15-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42

Table H.15e Organics (Polychlorinated Biphenyls) in Subsurface Soils (ug/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	48	U	48	96	U	96	48	U	48	48	U	48	48	U	48	48	U	48	48	U	48
BP-13-35-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
BP-17-05-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
BP-17-15-SL	45	U	45	91	U	91	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
BP-17-23-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
BP-17-31-SL	45	U	45	89	U	89	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
BP-18-05-SL	40	U	40	79	U	79	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
BP-18-15-SL	43	U	43	87	U	87	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
BP-18-25-SL	45	U	45	89	U	89	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
BP-18-31-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
BP-19-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
BP-19-13-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
BP-19-25-SL	46	U	46	91	U	91	46	U	46	46	U	46	46	U	46	46	U	46	46	U	46
BP-19-29-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
BP-20-03-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
BP-20-19-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
BP-20-27-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
BP-21-07-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
BP-21-07-SL-FD	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
BP-21-13-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
BP-21-24-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
BP-21-34-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
BP-22-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
BP-22-13-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
BP-22-23-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
BP-22-33-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
CB-02-05-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
CB-02-05-SL-FD	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
CB-02-15-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
CB-02-25-SL	45	U	45	91	U	91	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
DM-02-05-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
DM-02-17-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
DM-02-25-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
DM-02-33-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
DM-03-05-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
DM-03-05-SL-FD	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
DM-03-13-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
DM-03-25-SL	48	U	48	96	U	96	48	U	48	48	U	48	48	U	48	48	U	48	48	U	48

Table H.15e Organics (Polychlorinated Biphenyls) in Subsurface Soils (ug/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
EP-13-06-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
EP-13-13-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
EP-13-25-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
EP-13-30-SL	39	U	39	77	U	77	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
EP-14-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
EP-14-13-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
EP-14-25-SL	43	U	43	87	U	87	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
EP-14-31-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
EP-15-05-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
EP-15-13-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
EP-15-25-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
EP-15-29-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
EP-16-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
EP-16-15-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
EP-16-27-SL	39	U	39	77	U	77	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
EP-17-05-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
EP-17-15-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
EP-17-25-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
EP-17-30-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
EP-18-09-SL	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	4.1	J	40
EP-18-09-SL-FD	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	5.8	J	40
EP-18-15-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
EP-18-29-SL	45	U	45	90	U	90	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
EP-19-05-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
EP-19-13-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
EP-19-25-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
EP-19-31-SL	46	U	46	92	U	92	46	U	46	46	U	46	46	U	46	46	U	46	46	U	46
EP-20-05-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
EP-20-15-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
EP-20-25-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
GS-06-05-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
GS-06-19-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
GS-06-25-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
GS-07-05-SL	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
GS-07-15-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
GS-07-25-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
GS-09-05-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41

Table H.15e Organics (Polychlorinated Biphenyls) in Subsurface Soils (ug/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
GS-09-23-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
LF-06-05-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	22	J	41	41	U	41
LF-06-13-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
LF-06-27-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
LF-06-32-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
LF-07-03-SL	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
LF-07-15-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
LF-07-25-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
LF-07-34-SL	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
LF-08-03-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
LF-08-03-SL-FD	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
LF-08-15-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
LF-08-21-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
LF-08-37-SL	37	U	37	75	U	75	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37
LF-09-03-SL	37	U	37	74	U	74	37	U	37	37	U	37	37	U	37	67		37	37	U	37
LF-09-17-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
LF-09-25-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
LF-09-31-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-28-04-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-28-14-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-28-24-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-28-35-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-29-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-29-14-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-29-22-SL	38	U	38	75	U	75	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-30-05-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-30-15-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-30-25-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-30-33-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-31-05-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-31-15-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-31-27-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-31-32-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-32-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-32-15-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-32-27-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-32-33-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38

Table H.15e Organics (Polychlorinated Biphenyls) in Subsurface Soils (ug/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-33-15-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-33-27-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-34-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-34-15-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-34-25-SL	40	U	40	79	U	79	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-35-01-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-35-15-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-35-25-SL	43	U	43	87	U	87	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-36-05-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-36-15-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-36-27-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-37-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-37-15-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-37-25-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-38-09-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-38-15-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-38-25-SL	43	U	43	87	U	87	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-39-05-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-39-15-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-39-25-SL	44	U	44	87	U	87	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-39-30-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-40-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-40-05-SL-FD	39	U	39	77	U	77	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-40-17-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-40-25-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-40-31-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-41-05-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-41-13-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-41-19-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-42-05-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-42-13-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-42-23-SL	40	U	40	79	U	79	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-43-05-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-43-13-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-44-05-SL	40	U	40	79	U	79	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-44-05-SL-FD	37	U	37	74	U	74	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37
NB-44-11-SL	37	U	37	73	U	73	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37

Table H.15e Organics (Polychlorinated Biphenyls) in Subsurface Soils (ug/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	39	U	39	79	U	79	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-45-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-45-05-SL-FD	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-45-13-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-45-25-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-45-33-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-46-09-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-46-17-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-46-25-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-46-29-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-47-05-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-47-15-SL	45	U	45	91	U	91	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
NB-47-25-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-47-31-SL	45	U	45	90	U	90	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
NB-48-05-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-48-11-SL	44	U	44	87	U	87	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-48-15-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-48-25-SL	44	U	44	89	U	89	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-48-35-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-49-05-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-49-05-SL-FD	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-49-15-SL	44	U	44	87	U	87	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-49-25-SL	46	U	46	93	U	93	46	U	46	46	U	46	46	U	46	46	U	46	46	U	46
NB-49-37-SL	44	U	44	87	U	87	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-50-05-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-50-15-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-50-25-SL	47	U	47	94	U	94	47	U	47	47	U	47	47	U	47	47	U	47	47	U	47
NB-50-37-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-51-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-51-13-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-51-25-SL	45	U	45	89	U	89	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
NB-51-37-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-52-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-52-13-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-52-25-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-52-35-SL	39	U	39	79	U	79	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-53-05-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-53-13-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41

Table H.15e Organics (Polychlorinated Biphenyls) in Subsurface Soils (ug/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	44	U	44	87	U	87	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-53-33-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-54-05-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-54-13-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-54-25-SL	46	U	46	92	U	92	46	U	46	46	U	46	46	U	46	46	U	46	46	U	46
NB-54-31-SL	37	U	37	74	U	74	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37
NB-55-05-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-55-13-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-55-25-SL	49	U	49	98	U	98	49	U	49	49	U	49	49	U	49	49	U	49	49	U	49
NB-55-33-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-56-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-56-13-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-56-25-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-56-33-SL	43	U	43	87	U	87	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-57-05-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-57-05-SL-FD	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-57-15-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-57-29-SL	44	U	44	89	U	89	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-57-34-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-58-05-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-58-15-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-58-29-SL	45	U	45	91	U	91	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
NB-58-36-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-59-05-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-59-13-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-59-25-SL	43	U	43	87	U	87	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-59-31-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-60-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-60-13-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-60-23-SL	46	U	46	93	U	93	46	U	46	46	U	46	46	U	46	46	U	46	46	U	46
NB-60-31-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-61-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-61-13-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-61-23-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-61-28-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-62-05-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-62-12-SL	37	U	37	74	U	74	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37
NB-62-22-SL	37	U	37	74	U	74	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37

Table H.15e Organics (Polychlorinated Biphenyls) in Subsurface Soils (ug/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-63-13-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-63-19-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-64-05-SL	38	U	38	77	U	77	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-64-13-SL	36	U	36	72	U	72	36	U	36	36	U	36	36	U	36	36	U	36	36	U	36
NB-64-17-SL	37	U	37	74	U	74	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37
NB-65-05-SL	40	U	40	79	U	79	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-65-13-SL	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-65-17-SL	39	U	39	77	U	77	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-66-05-SL	38	U	38	77	U	77	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-66-05-SL-FD	38	U	38	77	U	77	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-66-15-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-66-19-SL	38	U	38	77	U	77	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-67-05-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-67-11-SL	36	U	36	72	U	72	36	U	36	36	U	36	36	U	36	36	U	36	36	U	36
NB-67-21-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-68-05-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-68-13-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-68-17-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-68-25-SL	46	U	46	93	U	93	46	U	46	46	U	46	46	U	46	46	U	46	46	U	46
NB-68-33-SL	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-69-05-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-69-15-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-69-22-SL	48	U	48	97	U	97	48	U	48	48	U	48	48	U	48	48	U	48	48	U	48
NB-69-34-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-70-05-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-70-15-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-70-23-SL	46	U	46	92	U	92	46	U	46	46	U	46	46	U	46	46	U	46	46	U	46
NB-70-33-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-71-05-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-71-05-SL-FD	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-71-13-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-71-27-SL	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-72-05-SL	37	U	37	74	U	74	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37
NB-72-11-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-72-19-SL	38	U	38	77	U	77	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-72-22-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-73-05-SL	37	U	37	73	U	73	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37

Table H.15e Organics (Polychlorinated Biphenyls) in Subsurface Soils (ug/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	37	U	37	74	U	74	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37
NB-73-23-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-74-05-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-74-17-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-74-25-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-74-33-SL	40	U	40	80	U	80	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-75-08-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-75-15-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-75-19-SL	40	U	40	79	U	79	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-76-06-SL	36	U	36	72	U	72	36	U	36	36	U	36	36	U	36	36	U	36	36	U	36
NB-76-10-SL	37	U	37	74	U	74	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37
NB-76-24-SL	39	U	39	79	U	79	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-77-05-SL	36	U	36	72	U	72	36	U	36	36	U	36	36	U	36	36	U	36	36	U	36
NB-77-13-SL	35	U	35	71	U	71	35	U	35	35	U	35	35	U	35	35	U	35	35	U	35
NB-77-24-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-78-07-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-78-11-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-78-18-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
NB-79-05-SL	39	U	39	77	U	77	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-79-05-SL-FD	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-79-11-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-79-24-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-80-05-SL	39	U	39	79	U	79	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-80-11-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-80-27-SL	37	U	37	74	U	74	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37
NB-81-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-81-13-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-81-31-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-82-05-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-82-11-SL	41	U	41	81	U	81	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-82-20-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-83-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-83-11-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-83-23-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-84-05-SL	40	U	40	79	U	79	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-84-15-SL	37	U	37	74	U	74	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37
NB-84-23-SL	39	U	39	78	U	78	39	U	39	39	U	39	39	U	39	39	U	39	39	U	39
NB-84-33-SL	37	U	37	74	U	74	37	U	37	37	U	37	37	U	37	37	U	37	37	U	37

Table H.15e Organics (Polychlorinated Biphenyls) in Subsurface Soils (ug/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
NB-85-15-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-85-25-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
NB-85-35-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
NB-86-05-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38
NB-86-15-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
NB-86-19-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
OA-18-03-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
OA-18-17-SL	44	U	44	88	U	88	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
OA-18-25-SL	45	U	45	90	U	90	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
OA-18-33-SL	45	U	45	89	U	89	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
OA-19-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
OA-19-15-SL	45	U	45	90	U	90	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
OA-19-25-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
OA-19-33-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
PL-04-05-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
PL-04-13-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
PL-04-23-SL	43	U	43	87	U	87	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
PL-04-31-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
PL-05-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
PL-05-15-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
PL-05-28-SL	45	U	45	90	U	90	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
PL-06-07-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
PL-06-13-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
PL-06-17-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
PL-06-29-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
PL-06-33-SL	36	U	36	73	U	73	36	U	36	36	U	36	36	U	36	36	U	36	36	U	36
RR-04-05-SL	44	U	44	87	U	87	44	U	44	44	U	44	44	U	44	44	U	44	44	U	44
RR-04-15-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
RR-04-25-SL	43	U	43	87	U	87	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
RR-05-05-SL	43	U	43	85	U	85	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
RR-05-05-SL-FD	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
RR-05-15-SL	42	U	42	84	U	84	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
RR-05-25-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
SW-02-01-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
SW-02-09-SL	43	U	43	86	U	86	43	U	43	43	U	43	43	U	43	43	U	43	43	U	43
SW-02-15-SL	46	U	46	92	U	92	46	U	46	46	U	46	46	U	46	46	U	46	46	U	46
SW-02-23-SL	47	U	47	95	U	95	47	U	47	47	U	47	47	U	47	47	U	47	47	U	47

Table H.15e Organics (Polychlorinated Biphenyls) in Subsurface Soils (ug/kg)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	40	U	40	79	U	79	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
SW-05-12-SL	40	U	40	81	U	81	40	U	40	40	U	40	40	U	40	40	U	40	40	U	40
SW-06-05-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
SW-06-05-SL-FD	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
SW-06-13-SL	41	U	41	83	U	83	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
SW-06-23-SL	45	U	45	90	U	90	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
SW-07-05-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
SW-07-15-SL	42	U	42	83	U	83	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
SW-07-23-SL	45	U	45	90	U	90	45	U	45	45	U	45	45	U	45	45	U	45	45	U	45
SW-08-03-SL	41	U	41	82	U	82	41	U	41	41	U	41	41	U	41	41	U	41	41	U	41
SW-08-05-SL	42	U	42	85	U	85	42	U	42	42	U	42	42	U	42	42	U	42	42	U	42
SW-08-15-SL	46	U	46	92	U	92	46	U	46	46	U	46	46	U	46	46	U	46	46	U	46
SW-08-25-SL	38	U	38	76	U	76	38	U	38	38	U	38	38	U	38	38	U	38	38	U	38

Table H.15f Organics (Petroleum) in Subsurface Soil (mg/kg)

Sample ID	Diesel fuel			Gasoline		
	Result	Q	EQL	Result	Q	EQL
GS-06-05-SL	5.7	U	5.7	0.54	U	0.54
GS-06-19-SL	6.2	U	6.2	0.6	U	0.6
GS-06-25-SL	6.1	U	6.1	0.61	U	0.61
GS-07-05-SL	6	U	6	0.6	U	0.6
GS-07-15-SL	6.4	U	6.4	0.64	U	0.64
GS-07-25-SL	6.4	U	6.4	0.64	U	0.64
GS-09-05-SL	6.2	U	6.2	0.62	U	0.62
GS-09-15-SL	6.4	U	6.4	0.64	U	0.64
GS-09-23-SL	6.2	U	6.2	0.59	U	0.59

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BD-13-15-SL	4.3	J	6.3	6.3	U	6.3	6.3	U	6.3	1.7	J	6.3	14		6.3	6.3	U	6.3
BD-13-23-SL	13		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	22		6.3	6.3	U	6.3
BD-13-30-SL	1.8	J	6.5	6.5	U	6.5	6.5	U	6.5	2.8	J	6.5	19		6.5	6.5	U	6.5
BD-14-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BD-14-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BD-14-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BD-14-31-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.5	J	6.2	6.2	U	6.2
BD-15-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BD-15-17-SL	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	3.4	J	7.3	3.2	J	7.3	7.3	U	7.3
BD-15-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	3.4	J	6.6	2	J	6.6	6.6	U	6.6
BD-15-31-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BD-16-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BD-16-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	7.7		6.3	7.4		6.3	6.3	U	6.3
BD-16-19-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	8		6.8	7.2		6.8	6.8	U	6.8
BD-16-25-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	6	J	7.1	5.8	J	7.1	7.1	U	7.1
BD-16-34-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	5.5	J	6.6	25		6.6	6.6	U	6.6
BLD240-01-01	2.3	J	0	6	U	0	6	U	0	6	U	0	6	U	0	6	U	0
BLD240-01-31	8.5		0	6.2	U	0	6.2	U	0	1.9	J	0	49		0	6.2	U	0
BLD240-01-31FD	620	U	0	620	U	0	620	U	0	620	J	0	620	U	0	620	U	0
BLD240-03-04	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0
BLD240-03-14	3.1	J	0	6.3	U	0	6.3	U	0	6.3	U	0	6.3	U	0	6.3	U	0
BLD240-04-02	2	J	0	6	U	0	6	U	0	6	U	0	6	U	0	6	U	0
BLD240-04-33	2.8	J	0	5.8	U	0	5.8	U	0	5.8	U	0	2.2	J	0	5.8	U	0
BLD240-05-01	1.8	J	0	6.3	U	0	6.3	U	0	6.3	U	0	6.3	U	0	6.3	U	0
BLD240-05-23	2.8	J	0	6.7	U	0	6.7	U	0	8.8		0	2.2	J	0	6.7	U	0
BLD253-02-01	2.6	J	0	5.5	U	0	5.5	U	0	5.5	U	0	5.5	U	0	5.5	U	0
BLD253-02-21	16000	U	0	6.5	U	0	6.5	U	0	15		0	3600	J	0	2.5	J	0
BLD253-02-21FD	65000	U	0	65000	U	0	65000	U	0	65000	U	0	65000	U	0	65000	U	0
BLD255-07-02	2	J	0	6	U	0	6	U	0	6	U	0	6	U	0	6	U	0
BLD255-07-33	2.5	J	0	6.5	U	0	6.5	U	0	6.5	U	0	6.5	U	0	6.5	U	0
BLD255-08-01	5.9	U	0	5.9	U	0	5.9	U	0	5.9	U	0	5.9	U	0	5.9	U	0
BLD255-08-24	2.3	J	0	6.8	U	0	6.8	U	0	21		0	7		0	6.8	U	0
BLD260-06-01	6.6	U	0	6.6	U	0	6.6	U	0	6.6	U	0	8.6		0	6.6	U	0
BLD260-06-31	3.3	J	0	6	U	0	6	U	0	8.4		0	7.9		0	6	U	0
BP-13-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-13-11-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-13-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2
BP-13-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-17-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
BP-17-15-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	3	J	6.9	6.9	U	6.9	6.9	U	6.9
BP-17-23-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	12		6.6	6.6	U	6.6	6.6	U	6.6
BP-17-31-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	23		6.7	1.8	J	6.7	6.7	U	6.7
BP-18-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BP-18-15-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BP-18-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
BP-18-31-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
BP-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-19-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	4.5	J	6.4	6.4	U	6.4	6.4	U	6.4
BP-19-25-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	210		34	90		6.9	6.9	U	6.9
BP-19-29-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	130		33	33		6.6	6.6	U	6.6
BP-20-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-20-19-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	5.6	J	6.4	6.4	U	6.4	6.4	U	6.4
BP-20-27-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
BP-21-07-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-21-07-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-21-13-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	1.8	J	6.5	6.5	U	6.5	6.5	U	6.5
BP-21-24-SL	3.2	J	6.4	6.4	U	6.4	6.4	U	6.4	29		6.4	2.9	J	6.4	6.4	U	6.4
BP-21-34-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BP-22-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-22-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	2.4	J	6.3	6.3	U	6.3	6.3	U	6.3
BP-22-23-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	5.6	J	6.5	6.5	U	6.5	6.5	U	6.5
BP-22-33-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	50		6.3	4	J	6.3	6.3	U	6.3
CB-02-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
CB-02-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
CB-02-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
CB-02-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
DM-02-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
DM-02-17-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
DM-02-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
DM-02-33-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	8.2		6.4	11		6.4	6.4	U	6.4
DM-03-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
DM-03-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
DM-03-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
DM-03-25-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-13-06-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-13-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-13-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-13-30-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
EP-14-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-14-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-14-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
EP-14-31-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	14	=	6.2	6.2	U	6.2
EP-15-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-15-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-15-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-15-29-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	4.8	J	6.4	4.1	J	6.4	6.4	U	6.4
EP-16-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-16-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-16-27-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
EP-17-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-17-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-17-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-17-30-SL	340		65	6.5	U	6.5	6.5	U	6.5	84		6.5	330		65	6.5	U	6.5
EP-18-09-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
EP-18-09-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-18-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	2.3	J	6.4	6.4	U	6.4
EP-18-29-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	16	=	6.8	38	=	6.8	6.8	U	6.8
EP-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-19-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	5.9	J	6.4	6.4	U	6.4
EP-19-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	8	=	6.3	6.3	U	6.3
EP-19-31-SL	3	J	6.9	6.9	U	6.9	6.9	U	6.9	1.7	J	6.9	14	=	6.9	6.9	U	6.9
EP-20-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-20-15-SL	1.3	J	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-20-25-SL	3.4	J	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	3.1	J	6.5	6.5	U	6.5
GS-06-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
GS-06-19-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
GS-06-25-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
GS-07-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
GS-07-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-07-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-09-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-09-23-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-06-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
LF-06-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-06-27-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
LF-06-32-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
LF-07-03-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
LF-07-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
LF-07-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
LF-07-34-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
LF-08-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-08-03-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-08-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-08-21-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
LF-08-37-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
LF-09-03-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
LF-09-17-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
LF-09-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
LF-09-31-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-28-04-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-28-14-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-28-24-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-28-35-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-29-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-29-14-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-29-22-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-30-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-30-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-30-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-30-33-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.6	J	6.3	6.3	U	6.3	6.3	U	6.3
NB-31-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-31-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-31-27-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-31-32-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	6.1		5.9	3.3	J	5.9	5.9	U	5.9
NB-32-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-32-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-32-27-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-32-33-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-33-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-33-27-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-34-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-34-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-34-25-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-35-01-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-35-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-35-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-36-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-36-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-36-27-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-37-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-37-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-37-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-38-09-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-38-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-38-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-39-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-39-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-39-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-39-30-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.7		6.4	3.9	J	6.4	6.4	U	6.4
NB-40-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-40-05-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-40-17-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-40-25-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-40-31-SL	22		5.7	5.7	U	5.7	5.7	U	5.7	15		5.7	40		5.7	5.7	U	5.7
NB-41-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-41-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-41-19-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-42-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-42-13-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-42-23-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-43-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-43-13-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-44-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-44-05-SL-FD	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
NB-44-11-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-45-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-45-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-45-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-45-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-45-33-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	4.2	J	6.4	6.4	U	6.4	6.4	U	6.4
NB-46-09-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-46-17-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-46-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-46-29-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-47-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-47-15-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
NB-47-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-47-31-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
NB-48-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-48-11-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-48-15-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-48-25-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
NB-48-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-49-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-49-05-SL-FD	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-49-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-49-25-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
NB-49-37-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-50-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-50-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-50-25-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1
NB-50-37-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-51-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-51-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-51-25-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
NB-51-37-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-52-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-52-13-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-52-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
NB-52-35-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-53-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-53-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-53-33-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-54-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-54-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-54-25-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
NB-54-31-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
NB-55-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-55-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-55-25-SL	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4
NB-55-33-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-56-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-56-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-56-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-56-33-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-57-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-57-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-57-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-57-29-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-57-34-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-58-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-58-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-58-29-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
NB-58-36-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-59-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-59-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	4.6	J	6.4	6.4	U	6.4
NB-59-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	11		6.5	6.5	U	6.5
NB-59-31-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-60-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-60-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-60-23-SL	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7
NB-60-31-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-61-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-61-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-61-23-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	5.8	J	6.4	6.4	U	6.4	6.4	U	6.4
NB-61-28-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-62-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-62-12-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
NB-62-22-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-63-13-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-63-19-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-64-05-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-64-13-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
NB-64-17-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.7		5.6	1.6	J	5.6	5.6	U	5.6
NB-65-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-65-13-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-65-17-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-66-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-66-05-SL-FD	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-66-15-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-66-19-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-67-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-67-11-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
NB-67-21-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-68-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-68-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-68-17-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-68-25-SL	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7
NB-68-33-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-69-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-69-15-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-69-22-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2
NB-69-34-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-70-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-70-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-70-23-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
NB-70-33-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-71-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-71-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-71-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-71-27-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-72-05-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
NB-72-11-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-72-19-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	14		5.8	3.8	J	5.8	5.8	U	5.8
NB-72-22-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	7.7		5.7	5.7	U	5.7	5.7	U	5.7
NB-73-05-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
NB-73-23-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-74-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-74-17-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-74-25-SL	11		6.4	6.4	U	6.4	6.4	U	6.4	4.5	J	6.4	7.2		6.4	6.4	U	6.4
NB-74-33-SL	1.7	J	6	6	U	6	6	U	6	9.8		6	18		6	6	U	6
NB-75-08-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-75-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-75-19-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-76-06-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
NB-76-10-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
NB-76-24-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-77-05-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
NB-77-13-SL	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3
NB-77-24-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-78-07-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-78-11-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-78-18-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	38		6.6	19		6.6	6.6	U	6.6
NB-79-05-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-79-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-79-11-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-79-24-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-80-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-80-11-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-80-27-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
NB-81-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-81-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-81-31-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-82-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-82-11-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-82-20-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-83-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-83-11-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-83-23-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-84-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-84-15-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
NB-84-23-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-84-33-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-85-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-85-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-85-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-86-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-86-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-86-19-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
OA-18-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-18-17-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-18-25-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	15		6.7	3.8	J	6.7	6.7	U	6.7
OA-18-33-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	37		6.7	15		6.7	6.7	U	6.7
OA-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-19-15-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	9		6.8	6.8	U	6.8
OA-19-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-19-33-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	22		6.3	17		6.3	6.3	U	6.3
PL-04-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
PL-04-13-SL	1.9	J	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
PL-04-23-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
PL-04-31-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
PL-05-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
PL-05-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
PL-05-28-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
PL-06-07-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
PL-06-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
PL-06-17-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
PL-06-29-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
PL-06-33-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
RR-04-05-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
RR-04-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
RR-04-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
RR-05-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
RR-05-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
RR-05-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
RR-05-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-02-01-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-02-09-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
SW-02-15-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
SW-02-23-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene			1,2,4-Trichlorobenzene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
SW-05-12-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
SW-06-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
SW-06-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
SW-06-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
SW-06-23-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
SW-07-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-07-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-07-23-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
SW-08-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
SW-08-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
SW-08-15-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
SW-08-25-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BD-13-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BD-13-23-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BD-13-30-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
BD-14-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BD-14-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
BD-14-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
BD-14-31-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BD-15-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BD-15-17-SL	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	15	U	15	15	U	15
BD-15-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
BD-15-31-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	8.6	J	13	13	U	13
BD-16-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BD-16-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BD-16-19-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
BD-16-25-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	14	U	14	14	U	14
BD-16-34-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
BLD240-01-01	6	U	0	6	U	0	6	U	0	6	U	0	12	U	0	12	U	0
BLD240-01-31	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0	12	U	0	12	U	0
BLD240-01-31FD	620	U	0	620	U	0	620	U	0	620	U	0	1200	U	0	1200	U	0
BLD240-03-04	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0	12	U	0	12	U	0
BLD240-03-14	6.3	U	0	6.3	U	0	6.3	U	0	6.3	U	0	13	U	0	13	U	0
BLD240-04-02	6	U	0	6	U	0	6	U	0	6	U	0	12	U	0	12	U	0
BLD240-04-33	5.8	U	0	5.8	U	0	5.8	U	0	5.8	U	0	12	U	0	12	U	0
BLD240-05-01	6.3	U	0	6.3	U	0	6.3	U	0	6.3	U	0	13	U	0	13	U	0
BLD240-05-23	6.7	U	0	6.7	U	0	6.7	U	0	6.7	U	0	13	U	0	13	U	0
BLD253-02-01	5.5	U	0	5.5	U	0	5.5	U	0	5.5	U	0	11	U	0	11	U	0
BLD253-02-21	6.5	U	0	6.5	U	0	9.7		0	6.5	U	0	13	U	0	33000	U	0
BLD253-02-21FD	65000	U	0	65000	U	0	65000	U	0	65000	U	0	130000	U	0	130000	U	0
BLD255-07-02	6	U	0	6	U	0	6	U	0	6	U	0	12	U	0	12	U	0
BLD255-07-33	6.5	U	0	6.5	U	0	6.5	U	0	6.5	U	0	13	U	0	13	U	0
BLD255-08-01	5.9	U	0	5.9	U	0	5.9	U	0	5.9	U	0	12	U	0	12	U	0
BLD255-08-24	6.8	U	0	6.8	U	0	6.8	U	0	6.8	U	0	14	U	0	14	U	0
BLD260-06-01	6.6	U	0	6.6	U	0	6.6	U	0	6.6	U	0	13	U	0	13	U	0
BLD260-06-31	6	U	0	6	U	0	6	U	0	6	U	0	12	U	0	12	U	0
BP-13-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BP-13-11-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BP-13-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	14	U	14	14	U	14
BP-13-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BP-17-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
BP-17-15-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14
BP-17-23-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
BP-17-31-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13
BP-18-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
BP-18-15-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
BP-18-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
BP-18-31-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
BP-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BP-19-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
BP-19-25-SL	6.9	U	6.9	6.9	U	6.9	2.5	J	6.9	6.9	U	6.9	14	U	14	14	U	14
BP-19-29-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
BP-20-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BP-20-19-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
BP-20-27-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
BP-21-07-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BP-21-07-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BP-21-13-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
BP-21-24-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
BP-21-34-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
BP-22-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
BP-22-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
BP-22-23-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
BP-22-33-SL	6.3	U	6.3	6.3	U	6.3	1.9	J	6.3	6.3	U	6.3	13	U	13	13	U	13
CB-02-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
CB-02-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
CB-02-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
CB-02-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
DM-02-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
DM-02-17-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
DM-02-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
DM-02-33-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
DM-03-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
DM-03-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
DM-03-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
DM-03-25-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	14	U	14	14	U	14

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
EP-13-06-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
EP-13-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
EP-13-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
EP-13-30-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
EP-14-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
EP-14-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
EP-14-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
EP-14-31-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
EP-15-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
EP-15-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
EP-15-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
EP-15-29-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
EP-16-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
EP-16-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
EP-16-27-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
EP-17-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
EP-17-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
EP-17-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
EP-17-30-SL	6.5	U	6.5	6.5	U	6.5	3.6	J	6.5	6.5	U	6.5	13	U	13	13	U	13
EP-18-09-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
EP-18-09-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
EP-18-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
EP-18-29-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
EP-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
EP-19-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
EP-19-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
EP-19-31-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14
EP-20-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
EP-20-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
EP-20-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
GS-06-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
GS-06-19-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
GS-06-25-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
GS-07-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
GS-07-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
GS-07-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
GS-09-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
GS-09-23-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
LF-06-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	46		12	12	U	12
LF-06-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
LF-06-27-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
LF-06-32-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
LF-07-03-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
LF-07-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
LF-07-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
LF-07-34-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
LF-08-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	J	12	12	U	12
LF-08-03-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	7.4	J	12	12	U	12
LF-08-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
LF-08-21-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
LF-08-37-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	11	U	11
LF-09-03-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	11	U	11
LF-09-17-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	8.1	J	13	13	U	13
LF-09-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
LF-09-31-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-28-04-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-28-14-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-28-24-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-28-35-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-29-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-29-14-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
NB-29-22-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
NB-30-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-30-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-30-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-30-33-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	25		13	13	U	13
NB-31-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-31-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-31-27-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
NB-31-32-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-32-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-32-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-32-27-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-32-33-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-33-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-33-27-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-34-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-34-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-34-25-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
NB-35-01-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-35-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-35-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
NB-36-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-36-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-36-27-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-37-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-37-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-37-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	16		13	13	U	13
NB-38-09-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-38-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-38-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
NB-39-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-39-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
NB-39-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-39-30-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-40-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-40-05-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-40-17-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-40-25-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-40-31-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	7.5	J	11	11	U	11
NB-41-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-41-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-41-19-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-42-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-42-13-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
NB-42-23-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-43-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-43-13-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-44-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-44-05-SL-FD	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	11	U	11
NB-44-11-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-45-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-45-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-45-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-45-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-45-33-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-46-09-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-46-17-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-46-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-46-29-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-47-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-47-15-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
NB-47-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-47-31-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14
NB-48-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-48-11-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-48-15-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-48-25-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13
NB-48-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-49-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-49-05-SL-FD	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
NB-49-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
NB-49-25-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14
NB-49-37-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
NB-50-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-50-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-50-25-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	14	U	14	14	U	14
NB-50-37-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-51-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-51-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-51-25-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13
NB-51-37-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-52-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-52-13-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
NB-52-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
NB-52-35-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-53-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-53-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-53-33-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-54-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-54-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-54-25-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14
NB-54-31-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	11	U	11
NB-55-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-55-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-55-25-SL	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	15	U	15	15	U	15
NB-55-33-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-56-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-56-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-56-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-56-33-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	7.7	J	13	13	U	13
NB-57-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-57-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-57-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-57-29-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-57-34-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-58-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-58-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-58-29-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
NB-58-36-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-59-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-59-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-59-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
NB-59-31-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	9.4	J	13	13	U	13
NB-60-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-60-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-60-23-SL	7	U	7	7	U	7	7	U	7	7	U	7	14	U	14	14	U	14
NB-60-31-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-61-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-61-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-61-23-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-61-28-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	8.6	J	12	12	U	12
NB-62-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-62-12-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	11	U	11
NB-62-22-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-63-13-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
NB-63-19-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-64-05-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
NB-64-13-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11	11	U	11
NB-64-17-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	11	U	11
NB-65-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-65-13-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
NB-65-17-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
NB-66-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
NB-66-05-SL-FD	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
NB-66-15-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-66-19-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
NB-67-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-67-11-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11	11	U	11
NB-67-21-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
NB-68-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-68-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-68-17-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-68-25-SL	7	U	7	7	U	7	7	U	7	7	U	7	14	U	14	14	U	14
NB-68-33-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
NB-69-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-69-15-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-69-22-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	14	U	14	14	U	14
NB-69-34-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-70-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-70-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-70-23-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14
NB-70-33-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-71-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-71-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-71-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-71-27-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
NB-72-05-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	11	U	11
NB-72-11-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-72-19-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
NB-72-22-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
NB-73-05-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	11	U	11
NB-73-23-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
NB-74-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-74-17-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-74-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-74-33-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
NB-75-08-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-75-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-75-19-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
NB-76-06-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11	11	U	11
NB-76-10-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	11	U	11
NB-76-24-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-77-05-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11	11	U	11
NB-77-13-SL	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3	11	U	11	11	U	11
NB-77-24-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
NB-78-07-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-78-11-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-78-18-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
NB-79-05-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
NB-79-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-79-11-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-79-24-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-80-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-80-11-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-80-27-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	11	U	11
NB-81-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
NB-81-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-81-31-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	9.7	J	11	11	U	11
NB-82-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
NB-82-11-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	7	J	12	12	U	12
NB-82-20-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
NB-83-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-83-11-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-83-23-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	9.4	J	11	11	U	11
NB-84-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
NB-84-15-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	11	U	11
NB-84-23-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	12	U	12
NB-84-33-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
NB-85-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-85-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
NB-85-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
NB-86-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
NB-86-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
NB-86-19-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
OA-18-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
OA-18-17-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
OA-18-25-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13
OA-18-33-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13
OA-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
OA-19-15-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
OA-19-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
OA-19-33-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
PL-04-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
PL-04-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
PL-04-23-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
PL-04-31-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
PL-05-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
PL-05-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
PL-05-28-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
PL-06-07-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
PL-06-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
PL-06-17-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
PL-06-29-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
PL-06-33-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	11	U	11
RR-04-05-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	13	U	13
RR-04-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
RR-04-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
RR-05-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
RR-05-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
RR-05-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
RR-05-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
SW-02-01-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
SW-02-09-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	13	U	13
SW-02-15-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14
SW-02-23-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	9.1	J	14	14	U	14

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane			2-Butanone (MEK)			2-Hexanone		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	6	U	6	6	U	6	6	U	6	6	U	6	12	U	12	12	U	12
SW-05-12-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
SW-06-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
SW-06-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
SW-06-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	12	U	12
SW-06-23-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	13	U	13
SW-07-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
SW-07-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
SW-07-23-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	14	U	14
SW-08-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	12	U	12
SW-08-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
SW-08-15-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	14	U	14
SW-08-25-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	4-Methyl-2-pentanone			Acetone			Benzene			Bromodichloromethane			Bromoform			Bromomethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
BD-13-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
BD-13-23-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
BD-13-30-SL	13	U	13	14		13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
BD-14-05-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
BD-14-13-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
BD-14-25-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
BD-14-31-SL	12	U	12	14		12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
BD-15-05-SL	13	U	13	12	J	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
BD-15-17-SL	15	U	15	15	U	15	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	15	U	15
BD-15-25-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
BD-15-31-SL	13	U	13	30		13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
BD-16-05-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
BD-16-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
BD-16-19-SL	14	U	14	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14
BD-16-25-SL	14	U	14	14	U	14	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	14	U	14
BD-16-34-SL	13	U	13	14		13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
BLD240-01-01	12	U	0	19		0	6	U	0	6	U	0	6	U	0	12	U	0
BLD240-01-31	12	U	0	100		0	6.2	U	0	6.2	U	0	6.2	U	0	12	U	0
BLD240-01-31FD	1200	U	0	1200	U	0	620	U	0	620	U	0	620	U	0	1200	U	0
BLD240-03-04	12	U	0	27		0	6.2	U	0	6.2	U	0	6.2	U	0	12	U	0
BLD240-03-14	13	U	0	18		0	6.3	U	0	6.3	U	0	6.3	U	0	13	U	0
BLD240-04-02	12	U	0	28		0	6	U	0	6	U	0	6	U	0	12	U	0
BLD240-04-33	12	U	0	100		0	5.8	U	0	5.8	U	0	5.8	U	0	12	U	0
BLD240-05-01	13	U	0	56		0	6.3	U	0	6.3	U	0	6.3	U	0	13	U	0
BLD240-05-23	13	U	0	12	J	0	6.7	U	0	6.7	U	0	6.7	U	0	13	U	0
BLD253-02-01	11	U	0	26		0	5.5	U	0	5.5	U	0	5.5	U	0	11	U	0
BLD253-02-21	13	U	0	33000	U	0	6.5	U	0	6.5	U	0	6.5	U	0	13	U	0
BLD253-02-21FD	130000	U	0	130000	U	0	65000	U	0	65000	U	0	65000	U	0	130000	U	0
BLD255-07-02	12	U	0	120		0	6	U	0	6	U	0	6	U	0	12	U	0
BLD255-07-33	13	U	0	65		0	6.5	U	0	6.5	U	0	6.5	U	0	13	U	0
BLD255-08-01	12	U	0	12	U	0	5.9	U	0	5.9	U	0	5.9	U	0	12	U	0
BLD255-08-24	14	U	0	30		0	6.8	U	0	6.8	U	0	6.8	U	0	14	U	0
BLD260-06-01	13	U	0	22		0	6.6	U	0	6.6	U	0	6.6	U	0	13	U	0
BLD260-06-31	12	U	0	60		0	6	U	0	6	U	0	6	U	0	12	U	0
BP-13-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
BP-13-11-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
BP-13-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	4-Methyl-2-pentanone			Acetone			Benzene			Bromodichloromethane			Bromoform			Bromomethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	14	U	14	14	U	14	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	14	U	14
BP-13-35-SL	13	U	13	13		13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
BP-17-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
BP-17-15-SL	14	U	14	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14
BP-17-23-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
BP-17-31-SL	13	U	13	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13
BP-18-05-SL	12	U	12	12	U	12	6	U	6	6	U	6	6	U	6	12	U	12
BP-18-15-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
BP-18-25-SL	14	U	14	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14
BP-18-31-SL	11	U	11	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
BP-19-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
BP-19-13-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
BP-19-25-SL	14	U	14	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14
BP-19-29-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
BP-20-03-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
BP-20-19-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
BP-20-27-SL	12	U	12	20		12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
BP-21-07-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
BP-21-07-SL-FD	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
BP-21-13-SL	13	U	13	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
BP-21-24-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
BP-21-34-SL	12	U	12	12		12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
BP-22-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
BP-22-13-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
BP-22-23-SL	13	U	13	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
BP-22-33-SL	13	U	13	14		13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
CB-02-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
CB-02-05-SL-FD	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
CB-02-15-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
CB-02-25-SL	14	U	14	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14
DM-02-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
DM-02-17-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
DM-02-25-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
DM-02-33-SL	13	U	13	14		13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
DM-03-05-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
DM-03-05-SL-FD	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
DM-03-13-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
DM-03-25-SL	14	U	14	14	U	14	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	14	U	14

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	4-Methyl-2-pentanone			Acetone			Benzene			Bromodichloromethane			Bromoform			Bromomethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	12	U	12	19		12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
EP-13-06-SL	12	U	12	12	U	12	6.2	UJ	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
EP-13-13-SL	13	U	13	13	U	13	6.3	UJ	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
EP-13-25-SL	13	U	13	13	U	13	6.3	UJ	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
EP-13-30-SL	12	U	12	12	U	12	5.8	UJ	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12
EP-14-05-SL	12	U	12	12	U	12	6.2	UJ	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
EP-14-13-SL	13	U	13	13	U	13	6.3	UJ	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
EP-14-25-SL	13	U	13	13	U	13	6.5	UJ	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
EP-14-31-SL	12	U	12	29	=	12	6.2	UJ	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
EP-15-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
EP-15-13-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
EP-15-25-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
EP-15-29-SL	13	U	13	18		13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
EP-16-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
EP-16-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
EP-16-27-SL	12	U	12	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12
EP-17-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
EP-17-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
EP-17-25-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
EP-17-30-SL	13	U	13	11	J	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
EP-18-09-SL	12	U	12	12	U	12	6	UJ	6	6	U	6	6	U	6	12	U	12
EP-18-09-SL-FD	12	U	12	12	U	12	6.1	UJ	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
EP-18-15-SL	13	U	13	13	U	13	6.4	UJ	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
EP-18-29-SL	14	U	14	14	U	14	6.8	UJ	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14
EP-19-05-SL	12	U	12	12	U	12	6.2	UJ	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
EP-19-13-SL	13	U	13	13	U	13	6.4	UJ	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
EP-19-25-SL	13	U	13	20	=	13	6.3	UJ	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
EP-19-31-SL	14	U	14	14	U	14	6.9	UJ	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14
EP-20-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
EP-20-15-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
EP-20-25-SL	13	U	13	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
GS-06-05-SL	11	U	11	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
GS-06-19-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
GS-06-25-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
GS-07-05-SL	12	U	12	12	U	12	6	U	6	6	U	6	6	U	6	12	U	12
GS-07-15-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
GS-07-25-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
GS-09-05-SL	12	U	12	11	JB	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	4-Methyl-2-pentanone			Acetone			Benzene			Bromodichloromethane			Bromoform			Bromomethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
GS-09-23-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
LF-06-05-SL	12	U	12	220		12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
LF-06-13-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
LF-06-27-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
LF-06-32-SL	11	U	11	16		11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
LF-07-03-SL	12	U	12	12	U	12	6	U	6	6	U	6	6	U	6	12	U	12
LF-07-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
LF-07-25-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
LF-07-34-SL	12	U	12	12	U	12	6	U	6	6	U	6	6	U	6	12	U	12
LF-08-03-SL	12	U	12	48		12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
LF-08-03-SL-FD	12	U	12	23		12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
LF-08-15-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
LF-08-21-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
LF-08-37-SL	11	U	11	11	U	11	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11
LF-09-03-SL	11	U	11	18		11	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11
LF-09-17-SL	13	U	13	40		13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
LF-09-25-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
LF-09-31-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-28-04-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-28-14-SL	12	U	12	9.2	JB	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-28-24-SL	13	U	13	9.8	JB	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-28-35-SL	12	U	12	13	B	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-29-05-SL	12	U	12	8.8	JB	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-29-14-SL	12	U	12	9.1	JB	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12
NB-29-22-SL	11	U	11	12	B	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
NB-30-05-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-30-15-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-30-25-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
NB-30-33-SL	13	U	13	83		13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-31-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-31-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-31-27-SL	13	U	13	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
NB-31-32-SL	12	U	12	26		12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-32-05-SL	12	U	12	19		12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-32-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-32-27-SL	12	U	12	9	J	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-32-33-SL	11	U	11	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	4-Methyl-2-pentanone			Acetone			Benzene			Bromodichloromethane			Bromoform			Bromomethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-33-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-33-27-SL	12	U	12	12		12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-34-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-34-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-34-25-SL	12	U	12	12	U	12	6	U	6	6	U	6	6	U	6	12	U	12
NB-35-01-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-35-15-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-35-25-SL	13	U	13	9.3	J	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
NB-36-05-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-36-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-36-27-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-37-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-37-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-37-25-SL	13	U	13	24		13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
NB-38-09-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-38-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-38-25-SL	13	U	13	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
NB-39-05-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-39-15-SL	13	U	13	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
NB-39-25-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
NB-39-30-SL	13	U	13	19		13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-40-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-40-05-SL-FD	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-40-17-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-40-25-SL	12	U	12	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-40-31-SL	11	U	11	9.3	JB	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
NB-41-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-41-13-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-41-19-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-42-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-42-13-SL	11	U	11	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
NB-42-23-SL	12	U	12	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-43-05-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-43-13-SL	12	U	12	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-44-05-SL	12	U	12	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-44-05-SL-FD	11	U	11	11	U	11	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11
NB-44-11-SL	11	U	11	11	U	11	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	4-Methyl-2-pentanone			Acetone			Benzene			Bromodichloromethane			Bromoform			Bromomethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	12	U	12	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-45-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-45-05-SL-FD	12	U	12	7.1	JB	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-45-13-SL	13	U	13	12	JB	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-45-25-SL	13	U	13	13	JB	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-45-33-SL	13	U	13	26	B	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-46-09-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-46-17-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-46-25-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-46-29-SL	13	U	13	21		13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-47-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-47-15-SL	14	U	14	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14
NB-47-25-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-47-31-SL	14	U	14	12	J	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14
NB-48-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-48-11-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
NB-48-15-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
NB-48-25-SL	13	U	13	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13
NB-48-35-SL	13	U	13	11	J	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-49-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-49-05-SL-FD	12	U	12	12	U	12	6	U	6	6	U	6	6	U	6	12	U	12
NB-49-15-SL	13	U	13	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
NB-49-25-SL	14	U	14	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14
NB-49-37-SL	13	U	13	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
NB-50-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-50-15-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-50-25-SL	14	U	14	14	U	14	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	14	U	14
NB-50-37-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
NB-51-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-51-13-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-51-25-SL	13	U	13	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13
NB-51-37-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-52-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-52-13-SL	13	U	13	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
NB-52-25-SL	14	U	14	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14
NB-52-35-SL	12	U	12	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-53-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-53-13-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	4-Methyl-2-pentanone			Acetone			Benzene			Bromodichloromethane			Bromoform			Bromomethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
NB-53-33-SL	13	U	13	23		13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-54-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-54-13-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-54-25-SL	14	U	14	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14
NB-54-31-SL	11	U	11	9.8	J	11	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11
NB-55-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-55-13-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-55-25-SL	15	U	15	13	J	15	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	15	U	15
NB-55-33-SL	12	U	12	17		12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-56-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-56-13-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-56-25-SL	13	U	13	18		13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-56-33-SL	13	U	13	29		13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
NB-57-05-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-57-05-SL-FD	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-57-15-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-57-29-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
NB-57-34-SL	13	U	13	19		13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
NB-58-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-58-15-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-58-29-SL	14	U	14	13	J	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14
NB-58-36-SL	12	U	12	21		12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-59-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-59-13-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-59-25-SL	13	U	13	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
NB-59-31-SL	13	U	13	55		13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-60-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-60-13-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-60-23-SL	14	U	14	14	U	14	7	U	7	7	U	7	7	U	7	14	U	14
NB-60-31-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-61-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-61-13-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-61-23-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-61-28-SL	12	U	12	38		12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-62-05-SL	12	U	12	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-62-12-SL	11	U	11	11	U	11	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11
NB-62-22-SL	11	U	11	11	U	11	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	4-Methyl-2-pentanone			Acetone			Benzene			Bromodichloro methane			Bromoform			Bromomethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-63-13-SL	12	U	12	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12
NB-63-19-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-64-05-SL	12	U	12	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12
NB-64-13-SL	11	U	11	11	U	11	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11
NB-64-17-SL	11	U	11	11	U	11	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11
NB-65-05-SL	12	U	12	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-65-13-SL	12	U	12	12	U	12	6	U	6	6	U	6	6	U	6	12	U	12
NB-65-17-SL	12	U	12	22		12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12
NB-66-05-SL	11	U	11	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
NB-66-05-SL-FD	11	U	11	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
NB-66-15-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-66-19-SL	11	U	11	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
NB-67-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-67-11-SL	11	U	11	11	U	11	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11
NB-67-21-SL	11	U	11	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
NB-68-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-68-13-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-68-17-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-68-25-SL	14	U	14	14	U	14	7	U	7	7	U	7	7	U	7	14	U	14
NB-68-33-SL	12	U	12	12	U	12	6	U	6	6	U	6	6	U	6	12	U	12
NB-69-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-69-15-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-69-22-SL	14	U	14	14	U	14	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	14	U	14
NB-69-34-SL	13	U	13	14		13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-70-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-70-15-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-70-23-SL	14	U	14	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14
NB-70-33-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-71-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-71-05-SL-FD	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-71-13-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-71-27-SL	12	U	12	12	U	12	6	U	6	6	U	6	6	U	6	12	U	12
NB-72-05-SL	11	U	11	11	U	11	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11
NB-72-11-SL	12	U	12	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-72-19-SL	12	U	12	31		12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12
NB-72-22-SL	11	U	11	33		11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
NB-73-05-SL	11	U	11	11	U	11	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	4-Methyl-2-pentanone			Acetone			Benzene			Bromodichloromethane			Bromoform			Bromomethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	11	U	11	11	U	11	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11
NB-73-23-SL	11	U	11	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
NB-74-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-74-17-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-74-25-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-74-33-SL	12	U	12	12	J	12	6	U	6	6	U	6	6	U	6	12	U	12
NB-75-08-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-75-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-75-19-SL	12	U	12	12	U	12	6	U	6	6	U	6	6	U	6	12	U	12
NB-76-06-SL	11	U	11	11	U	11	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11
NB-76-10-SL	11	U	11	11	U	11	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11
NB-76-24-SL	12	U	12	10	J	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-77-05-SL	11	U	11	11	U	11	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11
NB-77-13-SL	11	U	11	11	U	11	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3	11	U	11
NB-77-24-SL	11	U	11	11	U	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
NB-78-07-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-78-11-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-78-18-SL	13	U	13	20		13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
NB-79-05-SL	12	U	12	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12
NB-79-05-SL-FD	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-79-11-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-79-24-SL	12	U	12	12		12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-80-05-SL	12	U	12	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-80-11-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-80-27-SL	11	U	11	22		11	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11
NB-81-05-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-81-13-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-81-31-SL	11	U	11	72		11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
NB-82-05-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
NB-82-11-SL	12	U	12	27		12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
NB-82-20-SL	12	U	12	12	U	12	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12
NB-83-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-83-11-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-83-23-SL	11	U	11	46		11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
NB-84-05-SL	12	U	12	12	U	12	6	U	6	6	U	6	6	U	6	12	U	12
NB-84-15-SL	11	U	11	11	U	11	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11
NB-84-23-SL	12	U	12	12	U	12	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12
NB-84-33-SL	11	U	11	11	U	11	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	4-Methyl-2-pentanone			Acetone			Benzene			Bromodichloromethane			Bromoform			Bromomethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	12	U	12	12	U	12	6	U	6	6	U	6	6	U	6	12	U	12
NB-85-15-SL	12	U	12	13	B	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-85-25-SL	12	U	12	13	B	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
NB-85-35-SL	13	U	13	18	B	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
NB-86-05-SL	11	U	11	9.9	JB	11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11
NB-86-15-SL	13	U	13	14	B	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
NB-86-19-SL	13	U	13	25	B	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
OA-18-03-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
OA-18-17-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
OA-18-25-SL	13	U	13	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13
OA-18-33-SL	13	U	13	13	U	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13
OA-19-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
OA-19-15-SL	14	U	14	14	U	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14
OA-19-25-SL	13	U	13	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
OA-19-33-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
PL-04-05-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
PL-04-13-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
PL-04-23-SL	13	U	13	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
PL-04-31-SL	13	U	13	13		13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
PL-05-05-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
PL-05-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
PL-05-28-SL	14	U	14	8.8	J	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14
PL-06-07-SL	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
PL-06-13-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
PL-06-17-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
PL-06-29-SL	13	U	13	15		13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
PL-06-33-SL	11	U	11	10	J	11	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11
RR-04-05-SL	13	U	13	13	U	13	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13
RR-04-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
RR-04-25-SL	13	U	13	13	U	13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
RR-05-05-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
RR-05-05-SL-FD	13	U	13	17		13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
RR-05-15-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
RR-05-25-SL	13	U	13	9.9	J	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
SW-02-01-SL	13	U	13	13	U	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
SW-02-09-SL	13	U	13	17		13	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13
SW-02-15-SL	14	U	14	24		14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14
SW-02-23-SL	14	U	14	32		14	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	14	U	14

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	4-Methyl-2-pentanone			Acetone			Benzene			Bromodichloro methane			Bromoform			Bromomethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	12	U	12	12	B	12	6	U	6	6	U	6	6	U	6	12	U	12
SW-05-12-SL	12	U	12	10	JB	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
SW-06-05-SL	12	U	12	8.6	JB	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
SW-06-05-SL-FD	12	U	12	12	U	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
SW-06-13-SL	12	U	12	7.5	JB	12	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12
SW-06-23-SL	13	U	13	23	B	13	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13
SW-07-05-SL	13	U	13	10	JB	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
SW-07-15-SL	13	U	13	9	JB	13	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13
SW-07-23-SL	14	U	14	19	B	14	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14
SW-08-03-SL	12	U	12	12	U	12	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12
SW-08-05-SL	13	U	13	13	U	13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13
SW-08-15-SL	14	U	14	14	U	14	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14
SW-08-25-SL	11	U	11	13		11	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane			Chloroform			Chloromethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
BD-13-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
BD-13-23-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
BD-13-30-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
BD-14-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
BD-14-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
BD-14-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
BD-14-31-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
BD-15-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
BD-15-17-SL	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	15	U	15	7.3	U	7.3	15	U	15
BD-15-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
BD-15-31-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
BD-16-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
BD-16-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
BD-16-19-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	14	U	14
BD-16-25-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	14	U	14	7.1	U	7.1	14	U	14
BD-16-34-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
BLD240-01-01	6	U	0	6	U	0	6	U	0	12	U	0	6	U	0	12	U	0
BLD240-01-31	6.2	U	0	6.2	U	0	6.2	U	0	12	U	0	6.2	U	0	12	U	0
BLD240-01-31FD	620	U	0	620	U	0	620	U	0	1200	U	0	620	U	0	1200	U	0
BLD240-03-04	6.2	U	0	6.2	U	0	6.2	U	0	12	U	0	6.2	U	0	12	U	0
BLD240-03-14	6.3	U	0	6.3	U	0	6.3	U	0	13	U	0	6.3	U	0	13	U	0
BLD240-04-02	6	U	0	6	U	0	6	U	0	12	U	0	6	U	0	12	U	0
BLD240-04-33	5.8	U	0	5.8	U	0	5.8	U	0	12	U	0	5.8	U	0	12	U	0
BLD240-05-01	6.3	U	0	6.3	U	0	6.3	U	0	13	U	0	6.3	U	0	13	U	0
BLD240-05-23	6.7	U	0	6.7	U	0	6.7	U	0	13	U	0	6.7	U	0	13	U	0
BLD253-02-01	5.5	U	0	5.5	U	0	5.5	U	0	11	U	0	5.5	U	0	11	U	0
BLD253-02-21	6.5	U	0	45		0	6.5	U	0	13	U	0	12		0	13	U	0
BLD253-02-21FD	65000	U	0	65000	U	0	65000	U	0	130000	U	0	65000	U	0	130000	U	0
BLD255-07-02	6	U	0	6	U	0	6	U	0	12	U	0	6	U	0	12	U	0
BLD255-07-33	6.5	U	0	6.5	U	0	6.5	U	0	13	U	0	6.5	U	0	13	U	0
BLD255-08-01	5.9	U	0	5.9	U	0	5.9	U	0	12	U	0	5.9	U	0	12	U	0
BLD255-08-24	6.8	U	0	6.8	U	0	6.8	U	0	14	U	0	6.8	U	0	14	U	0
BLD260-06-01	6.6	U	0	6.6	U	0	6.6	U	0	13	U	0	6.6	U	0	13	U	0
BLD260-06-31	6	U	0	6	U	0	6	U	0	12	U	0	6	U	0	12	U	0
BP-13-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
BP-13-11-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
BP-13-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane			Chloroform			Chloromethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	14	U	14	7.2	U	7.2	14	U	14
BP-13-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
BP-17-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
BP-17-15-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	6.9	U	6.9	14	U	14
BP-17-23-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
BP-17-31-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	6.7	U	6.7	13	U	13
BP-18-05-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
BP-18-15-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
BP-18-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	14	U	14
BP-18-31-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
BP-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
BP-19-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
BP-19-25-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	6.9	U	6.9	14	U	14
BP-19-29-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
BP-20-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
BP-20-19-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
BP-20-27-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
BP-21-07-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
BP-21-07-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
BP-21-13-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
BP-21-24-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
BP-21-34-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
BP-22-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
BP-22-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
BP-22-23-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
BP-22-33-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	29		13	6.3	U	6.3	13	U	13
CB-02-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
CB-02-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
CB-02-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
CB-02-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	14	U	14
DM-02-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
DM-02-17-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
DM-02-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
DM-02-33-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
DM-03-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
DM-03-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
DM-03-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
DM-03-25-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	14	U	14	7.2	U	7.2	14	U	14

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane			Chloroform			Chloromethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
EP-13-06-SL	6.2	U	6.2	6.2	U	6.2	6.2	UJ	6.2	12	U	12	6.2	U	6.2	12	U	12
EP-13-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	UJ	6.3	13	U	13	6.3	U	6.3	13	U	13
EP-13-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	UJ	6.3	13	U	13	6.3	U	6.3	13	U	13
EP-13-30-SL	5.8	U	5.8	5.8	U	5.8	5.8	UJ	5.8	12	U	12	5.8	U	5.8	12	U	12
EP-14-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	UJ	6.2	12	U	12	6.2	U	6.2	12	U	12
EP-14-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	UJ	6.3	13	U	13	6.3	U	6.3	13	U	13
EP-14-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	UJ	6.5	13	U	13	6.5	U	6.5	13	U	13
EP-14-31-SL	6.2	U	6.2	6.2	U	6.2	6.2	UJ	6.2	12	U	12	6.2	U	6.2	12	U	12
EP-15-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
EP-15-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
EP-15-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
EP-15-29-SL	58		6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
EP-16-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
EP-16-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
EP-16-27-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	12	U	12
EP-17-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
EP-17-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
EP-17-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
EP-17-30-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	5.5	J	6.5	13	U	13
EP-18-09-SL	6	U	6	6	U	6	6	UJ	6	12	U	12	6	U	6	12	U	12
EP-18-09-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	UJ	6.1	12	U	12	6.1	U	6.1	12	U	12
EP-18-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	UJ	6.4	13	U	13	6.4	U	6.4	13	U	13
EP-18-29-SL	6.8	U	6.8	6.8	U	6.8	6.8	UJ	6.8	14	U	14	6.8	U	6.8	14	U	14
EP-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	UJ	6.2	12	U	12	6.2	U	6.2	12	U	12
EP-19-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	UJ	6.4	13	U	13	6.4	U	6.4	13	U	13
EP-19-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	UJ	6.3	13	U	13	6.3	U	6.3	13	U	13
EP-19-31-SL	6.9	U	6.9	6.9	U	6.9	6.9	UJ	6.9	14	U	14	6.9	U	6.9	14	U	14
EP-20-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
EP-20-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
EP-20-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
GS-06-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
GS-06-19-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
GS-06-25-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
GS-07-05-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
GS-07-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
GS-07-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
GS-09-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane			Chloroform			Chloromethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
GS-09-23-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
LF-06-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
LF-06-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
LF-06-27-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
LF-06-32-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
LF-07-03-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
LF-07-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
LF-07-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
LF-07-34-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
LF-08-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
LF-08-03-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
LF-08-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
LF-08-21-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
LF-08-37-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	5.6	U	5.6	11	U	11
LF-09-03-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	5.6	U	5.6	11	U	11
LF-09-17-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
LF-09-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
LF-09-31-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-28-04-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-28-14-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-28-24-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-28-35-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-29-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-29-14-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	12	U	12
NB-29-22-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
NB-30-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-30-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-30-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
NB-30-33-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-31-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-31-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-31-27-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
NB-31-32-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	3.1	J	12	5.9	U	5.9	12	U	12
NB-32-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-32-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-32-27-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-32-33-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane			Chloroform			Chloromethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-33-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-33-27-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-34-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-34-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-34-25-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
NB-35-01-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-35-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-35-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
NB-36-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-36-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-36-27-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-37-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-37-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-37-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
NB-38-09-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-38-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-38-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
NB-39-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-39-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
NB-39-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
NB-39-30-SL	2	J	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-40-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-40-05-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-40-17-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-40-25-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-40-31-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
NB-41-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-41-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-41-19-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-42-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-42-13-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
NB-42-23-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-43-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-43-13-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-44-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-44-05-SL-FD	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	5.5	U	5.5	11	U	11
NB-44-11-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	5.5	U	5.5	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane			Chloroform			Chloromethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-45-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-45-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-45-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-45-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-45-33-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-46-09-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-46-17-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-46-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-46-29-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-47-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-47-15-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	14	U	14
NB-47-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-47-31-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	6.9	U	6.9	14	U	14
NB-48-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-48-11-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
NB-48-15-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
NB-48-25-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	6.7	U	6.7	13	U	13
NB-48-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-49-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-49-05-SL-FD	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
NB-49-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
NB-49-25-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	6.9	U	6.9	14	U	14
NB-49-37-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
NB-50-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-50-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-50-25-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	14	U	14	7.1	U	7.1	14	U	14
NB-50-37-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
NB-51-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-51-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-51-25-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	6.7	U	6.7	13	U	13
NB-51-37-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-52-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-52-13-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
NB-52-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	14	U	14
NB-52-35-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-53-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-53-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane			Chloroform			Chloromethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
NB-53-33-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-54-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-54-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-54-25-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	6.9	U	6.9	14	U	14
NB-54-31-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	5.5	U	5.5	11	U	11
NB-55-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-55-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-55-25-SL	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	15	U	15	7.4	U	7.4	15	U	15
NB-55-33-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-56-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-56-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-56-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-56-33-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
NB-57-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-57-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-57-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-57-29-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
NB-57-34-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
NB-58-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-58-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-58-29-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	14	U	14
NB-58-36-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-59-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-59-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-59-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
NB-59-31-SL	1.5	J	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-60-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-60-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-60-23-SL	7	U	7	7	U	7	7	U	7	14	U	14	7	U	7	14	U	14
NB-60-31-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-61-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-61-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-61-23-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-61-28-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-62-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-62-12-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	5.6	U	5.6	11	U	11
NB-62-22-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	5.6	U	5.6	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane			Chloroform			Chloromethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-63-13-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	12	U	12
NB-63-19-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-64-05-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	12	U	12
NB-64-13-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11	5.4	U	5.4	11	U	11
NB-64-17-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	5.6	U	5.6	11	U	11
NB-65-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-65-13-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
NB-65-17-SL	1.9	J	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	12	U	12
NB-66-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
NB-66-05-SL-FD	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
NB-66-15-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-66-19-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
NB-67-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-67-11-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11	5.4	U	5.4	11	U	11
NB-67-21-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
NB-68-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-68-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-68-17-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-68-25-SL	7	U	7	7	U	7	7	U	7	14	U	14	7	U	7	14	U	14
NB-68-33-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
NB-69-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-69-15-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-69-22-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	14	U	14	7.2	U	7.2	14	U	14
NB-69-34-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-70-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-70-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-70-23-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	6.9	U	6.9	14	U	14
NB-70-33-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-71-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-71-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-71-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-71-27-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
NB-72-05-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	5.6	U	5.6	11	U	11
NB-72-11-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-72-19-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	12	U	12
NB-72-22-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
NB-73-05-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	5.5	U	5.5	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane			Chloroform			Chloromethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	5.5	U	5.5	11	U	11
NB-73-23-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
NB-74-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-74-17-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-74-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-74-33-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
NB-75-08-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-75-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-75-19-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
NB-76-06-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11	5.4	U	5.4	11	U	11
NB-76-10-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	5.5	U	5.5	11	U	11
NB-76-24-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-77-05-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	11	U	11	5.4	U	5.4	11	U	11
NB-77-13-SL	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3	11	U	11	5.3	U	5.3	11	U	11
NB-77-24-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
NB-78-07-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-78-11-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-78-18-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
NB-79-05-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	12	U	12
NB-79-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-79-11-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-79-24-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-80-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-80-11-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-80-27-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	5.6	U	5.6	11	U	11
NB-81-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-81-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-81-31-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
NB-82-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
NB-82-11-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
NB-82-20-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	12	U	12	5.8	U	5.8	12	U	12
NB-83-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-83-11-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-83-23-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
NB-84-05-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
NB-84-15-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	5.6	U	5.6	11	U	11
NB-84-23-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	12	U	12	5.9	U	5.9	12	U	12
NB-84-33-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	11	U	11	5.6	U	5.6	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane			Chloroform			Chloromethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
NB-85-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-85-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
NB-85-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
NB-86-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11
NB-86-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
NB-86-19-SL	2.2	J	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
OA-18-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
OA-18-17-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
OA-18-25-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	6.7	U	6.7	13	U	13
OA-18-33-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	6.7	U	6.7	13	U	13
OA-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
OA-19-15-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	14	U	14
OA-19-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
OA-19-33-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
PL-04-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
PL-04-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
PL-04-23-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
PL-04-31-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
PL-05-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
PL-05-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
PL-05-28-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	14	U	14
PL-06-07-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
PL-06-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
PL-06-17-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
PL-06-29-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
PL-06-33-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	11	U	11	5.5	U	5.5	11	U	11
RR-04-05-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	13	U	13	6.6	U	6.6	13	U	13
RR-04-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
RR-04-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
RR-05-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
RR-05-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
RR-05-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
RR-05-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
SW-02-01-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
SW-02-09-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	13	U	13	6.5	U	6.5	13	U	13
SW-02-15-SL	38		6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	6.9	U	6.9	14	U	14
SW-02-23-SL	240		36	7.1	U	7.1	7.1	U	7.1	14	U	14	7.1	U	7.1	14	U	14

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane			Chloroform			Chloromethane		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	6	U	6	6	U	6	6	U	6	12	U	12	6	U	6	12	U	12
SW-05-12-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
SW-06-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
SW-06-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
SW-06-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12	U	12	6.2	U	6.2	12	U	12
SW-06-23-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	13	U	13	6.7	U	6.7	13	U	13
SW-07-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
SW-07-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	13	U	13	6.3	U	6.3	13	U	13
SW-07-23-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	14	U	14	6.8	U	6.8	14	U	14
SW-08-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	12	U	12	6.1	U	6.1	12	U	12
SW-08-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	13	U	13	6.4	U	6.4	13	U	13
SW-08-15-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	14	U	14	6.9	U	6.9	14	U	14
SW-08-25-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	11	U	11	5.7	U	5.7	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	11		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.9	J	6.3	6.3	U	6.3
BD-13-15-SL	78		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	2.8	J	6.3	6.3	U	6.3
BD-13-23-SL	69		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	4.6	J	6.3	6.3	U	6.3
BD-13-30-SL	25		6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	4.2	J	6.5	6.5	U	6.5
BD-14-05-SL	29		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BD-14-13-SL	45		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BD-14-25-SL	84		6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BD-14-31-SL	32		6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BD-15-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BD-15-17-SL	24		7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3
BD-15-25-SL	5.6	J	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BD-15-31-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BD-16-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	2.5	J	6.3	6.3	U	6.3
BD-16-15-SL	2.5	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	2.4	J	6.3	6.3	U	6.3
BD-16-19-SL	2.8	J	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	2.6	J	6.8	6.8	U	6.8
BD-16-25-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	2.9	J	7.1	7.1	U	7.1
BD-16-34-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	3.1	J	6.6	6.6	U	6.6
BLD240-01-01	6	U	0	6	U	0	6	U	0	6	U	0	6	U	0	6	U	0
BLD240-01-31	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0
BLD240-01-31FD	620	U	0	620	U	0	620	U	0	620	U	0	620	U	0	620	U	0
BLD240-03-04	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0
BLD240-03-14	6.3	U	0	6.3	U	0	6.3	U	0	6.3	U	0	6.3	U	0	6.3	U	0
BLD240-04-02	5.9	J	0	6	U	0	6	U	0	6	U	0	6	U	0	6	U	0
BLD240-04-33	5.8	U	0	5.8	U	0	5.8	U	0	5.8	U	0	5.8	U	0	5.8	U	0
BLD240-05-01	6.3	U	0	6.3	U	0	6.3	U	0	6.3	U	0	6.3	U	0	6.3	U	0
BLD240-05-23	97		0	6.7	U	0	6.7	U	0	6.7	U	0	8.9		0	6.7	U	0
BLD253-02-01	5.5	U	0	5.5	U	0	5.5	U	0	5.5	U	0	4.1	J	0	5.5	U	0
BLD253-02-21	5	J	0	6.5	U	0	16000	U	0	6.5	U	0	5.5	J	0	6.5	U	0
BLD253-02-21FD	65000	U	0	65000	U	0	65000	U	0	65000	U	0	54000	JB	0	65000	U	0
BLD255-07-02	6	U	0	6	U	0	6	U	0	6	U	0	6	U	0	6	U	0
BLD255-07-33	6.5	U	0	6.5	U	0	6.5	U	0	6.5	U	0	6.5	U	0	6.5	U	0
BLD255-08-01	5.9	U	0	5.9	U	0	5.9	U	0	5.9	U	0	0.99	J	0	5.9	U	0
BLD255-08-24	300		0	6.8	U	0	6.8	U	0	6.8	U	0	1.2	J	0	6.8	U	0
BLD260-06-01	12		0	6.6	U	0	6.6	U	0	6.6	U	0	6.6	U	0	6.6	U	0
BLD260-06-31	260		0	6	U	0	6	U	0	6	U	0	6	U	0	6	U	0
BP-13-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-13-11-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-13-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2
BP-13-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-17-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
BP-17-15-SL	14		6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
BP-17-23-SL	39		6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BP-17-31-SL	57		6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
BP-18-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BP-18-15-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BP-18-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
BP-18-31-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
BP-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-19-13-SL	19		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BP-19-25-SL	26		6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
BP-19-29-SL	8.3		6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BP-20-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	1.7	J	6.2	6.2	U	6.2
BP-20-19-SL	3.1	J	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	2.1	J	6.4	6.4	U	6.4
BP-20-27-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	2	J	6.1	6.1	U	6.1
BP-21-07-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	5.1	JB	6.3	6.3	U	6.3
BP-21-07-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	5.3	JB	6.2	6.2	U	6.2
BP-21-13-SL	5.3	J	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	5.8	JB	6.5	6.5	U	6.5
BP-21-24-SL	30		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	5.3	JB	6.4	6.4	U	6.4
BP-21-34-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	4.8	JB	5.9	5.9	U	5.9
BP-22-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	1.8	J	6.2	6.2	U	6.2
BP-22-13-SL	12		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	3.1	J	6.3	6.3	U	6.3
BP-22-23-SL	22		6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	3.4	J	6.5	6.5	U	6.5
BP-22-33-SL	85		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	3.5	J	6.3	6.3	U	6.3
CB-02-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	1.4	JB	6.2	6.2	U	6.2
CB-02-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.4	JB	6.3	6.3	U	6.3
CB-02-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	1.2	JB	6.2	6.2	U	6.2
CB-02-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	1.4	JB	6.8	6.8	U	6.8
DM-02-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
DM-02-17-SL	1.9	J	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	3	J	6.6	6.6	U	6.6
DM-02-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
DM-02-33-SL	9.9		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
DM-03-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
DM-03-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
DM-03-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
DM-03-25-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-13-06-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-13-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	16	U	6.3	6.3	U	6.3
EP-13-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	16	U	6.3	6.3	U	6.3
EP-13-30-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	16	U	5.8	5.8	U	5.8
EP-14-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-14-13-SL	22	=	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-14-25-SL	2.7	J	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
EP-14-31-SL	1.5	J	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-15-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-15-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-15-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-15-29-SL	6.1	J	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-16-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	1.1	J	6.2	6.2	U	6.2
EP-16-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.5	J	6.3	6.3	U	6.3
EP-16-27-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	1.4	J	5.8	5.8	U	5.8
EP-17-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-17-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-17-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-17-30-SL	37		6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	2.4	J	6.5	6.5	U	6.5
EP-18-09-SL	8.2	=	6	6	U	6	6	U	6	6	U	6	12	U	6	6	U	6
EP-18-09-SL-FD	8.9	=	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	14	U	6.1	6.1	U	6.1
EP-18-15-SL	16	=	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	12	U	6.4	6.4	U	6.4
EP-18-29-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	10	U	6.8	6.8	U	6.8
EP-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-19-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-19-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-19-31-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
EP-20-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-20-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-20-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
GS-06-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	2.9	J	5.7	5.7	U	5.7
GS-06-19-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.2	J	6.2	6.2	U	6.2
GS-06-25-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	2	J	6.1	6.1	U	6.1
GS-07-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	1.7	J	6	6	U	6
GS-07-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	1.4	J	6.4	6.4	U	6.4
GS-07-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	1.1	J	6.4	6.4	U	6.4
GS-09-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.1	JB	6.2	6.2	U	6.2

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	5.7	J	6.4	6.4	U	6.4
GS-09-23-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	3.8	J	6.2	6.2	U	6.2
LF-06-05-SL	2.1	J	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	2.9	JB	6.1	6.1	U	6.1
LF-06-13-SL	7.1		6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.6	JB	6.2	6.2	U	6.2
LF-06-27-SL	5.5	J	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	3.1	JB	6.4	6.4	U	6.4
LF-06-32-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	3.1	JB	5.7	5.7	U	5.7
LF-07-03-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
LF-07-15-SL	2	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
LF-07-25-SL	2.2	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
LF-07-34-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
LF-08-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-08-03-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-08-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-08-21-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
LF-08-37-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
LF-09-03-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
LF-09-17-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
LF-09-25-SL	11		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
LF-09-31-SL	2.9	J	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-28-04-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	9.7	B	6.1	6.1	U	6.1
NB-28-14-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.9	B	6.1	6.1	U	6.1
NB-28-24-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	16	B	6.4	6.4	U	6.4
NB-28-35-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.6	JB	6.2	6.2	U	6.2
NB-29-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	16	B	6.2	6.2	U	6.2
NB-29-14-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	14	B	5.8	5.8	U	5.8
NB-29-22-SL	4.6	J	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	2.6	JB	5.7	5.7	U	5.7
NB-30-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-30-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	1	JB	6.4	6.4	U	6.4
NB-30-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	1.1	JB	6.6	6.6	U	6.6
NB-30-33-SL	3.2	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.6	JB	6.3	6.3	U	6.3
NB-31-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-31-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.4	JB	6.3	6.3	U	6.3
NB-31-27-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	1.5	JB	6.5	6.5	U	6.5
NB-31-32-SL	38		5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.6	JB	5.9	5.9	U	5.9
NB-32-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	4.4	JB	6.2	6.2	U	6.2
NB-32-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	3.7	JB	6.3	6.3	U	6.3
NB-32-27-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	3.1	JB	6.2	6.2	U	6.2
NB-32-33-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	2.5	JB	5.7	5.7	U	5.7

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.6	JB	6.2	6.2	U	6.2
NB-33-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	2	JB	6.3	6.3	U	6.3
NB-33-27-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	2.4	JB	6.1	6.1	U	6.1
NB-34-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2	JB	6.2	6.2	U	6.2
NB-34-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.7	JB	6.3	6.3	U	6.3
NB-34-25-SL	6	U	6	6	U	6	6	U	6	6	U	6	1.6	JB	6	6	U	6
NB-35-01-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	1.6	J	6.2	6.2	U	6.2
NB-35-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	1.7	J	6.4	6.4	U	6.4
NB-35-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	1.5	J	6.5	6.5	U	6.5
NB-36-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.3	J	6.3	6.3	U	6.3
NB-36-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.5	J	6.3	6.3	U	6.3
NB-36-27-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.6	J	6.3	6.3	U	6.3
NB-37-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-37-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-37-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-38-09-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-38-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-38-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-39-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	0.97	J	6.3	6.3	U	6.3
NB-39-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-39-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-39-30-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	1.3	J	6.4	6.4	U	6.4
NB-40-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-40-05-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-40-17-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-40-25-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-40-31-SL	17		5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-41-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-41-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-41-19-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-42-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-42-13-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-42-23-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-43-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-43-13-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-44-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-44-05-SL-FD	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
NB-44-11-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	1.2	JB	5.5	5.5	U	5.5

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	2.7	J	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	1.3	JB	5.9	5.9	U	5.9
NB-45-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.1	JB	6.2	6.2	U	6.2
NB-45-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.3	JB	6.2	6.2	U	6.2
NB-45-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	2	JB	6.3	6.3	U	6.3
NB-45-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	1.9	JB	6.4	6.4	U	6.4
NB-45-33-SL	17		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	1.9	JB	6.4	6.4	U	6.4
NB-46-09-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-46-17-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-46-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-46-29-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-47-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-47-15-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
NB-47-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-47-31-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
NB-48-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-48-11-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-48-15-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-48-25-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
NB-48-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-49-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-49-05-SL-FD	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-49-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-49-25-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
NB-49-37-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-50-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-50-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-50-25-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1
NB-50-37-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-51-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-51-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-51-25-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
NB-51-37-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-52-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-52-13-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-52-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
NB-52-35-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-53-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-53-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-53-33-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-54-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-54-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-54-25-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
NB-54-31-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
NB-55-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-55-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-55-25-SL	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4
NB-55-33-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-56-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-56-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-56-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-56-33-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-57-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-57-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-57-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-57-29-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-57-34-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-58-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-58-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-58-29-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
NB-58-36-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-59-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	19		6.2	6.2	U	6.2
NB-59-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	18		6.4	6.4	U	6.4
NB-59-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	17		6.5	6.5	U	6.5
NB-59-31-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	19		6.3	6.3	U	6.3
NB-60-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	3.3	JB	6.1	6.1	U	6.1
NB-60-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	3.3	JB	6.4	6.4	U	6.4
NB-60-23-SL	7	U	7	7	U	7	7	U	7	7	U	7	3.6	JB	7	7	U	7
NB-60-31-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	3	JB	6.2	6.2	U	6.2
NB-61-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.3	B	6.2	6.2	U	6.2
NB-61-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6	JB	6.3	6.3	U	6.3
NB-61-23-SL	3.4	J	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.2	JB	6.4	6.4	U	6.4
NB-61-28-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	8.5	B	6.2	6.2	U	6.2
NB-62-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-62-12-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
NB-62-22-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-63-13-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-63-19-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-64-05-SL	1.6	J	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-64-13-SL	2.2	J	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
NB-64-17-SL	70		5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
NB-65-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-65-13-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-65-17-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-66-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-66-05-SL-FD	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-66-15-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-66-19-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-67-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-67-11-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
NB-67-21-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-68-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-68-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-68-17-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-68-25-SL	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7
NB-68-33-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-69-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-69-15-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-69-22-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2
NB-69-34-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-70-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-70-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-70-23-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
NB-70-33-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-71-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.7	J	6.2	6.2	U	6.2
NB-71-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.7	J	6.2	6.2	U	6.2
NB-71-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.3	J	6.2	6.2	U	6.2
NB-71-27-SL	6	U	6	6	U	6	6	U	6	6	U	6	2.9	J	6	6	U	6
NB-72-05-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	3.4	J	5.6	5.6	U	5.6
NB-72-11-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	4.7	J	5.9	5.9	U	5.9
NB-72-19-SL	70		58	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	3.8	J	5.8	5.8	U	5.8
NB-72-22-SL	57		5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	3.2	J	5.7	5.7	U	5.7
NB-73-05-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	4.3	J	5.5	5.5	U	5.5

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.9		5.5	5.5	U	5.5
NB-73-23-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	6.4		5.7	5.7	U	5.7
NB-74-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	3.2	JB	6.2	6.2	U	6.2
NB-74-17-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	2.3	JB	6.3	6.3	U	6.3
NB-74-25-SL	11		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	2.1	JB	6.4	6.4	U	6.4
NB-74-33-SL	22		6	6	U	6	6	U	6	6	U	6	2.3	JB	6	6	U	6
NB-75-08-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	3.1	JB	6.2	6.2	U	6.2
NB-75-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	3.4	JB	6.3	6.3	U	6.3
NB-75-19-SL	6	U	6	6	U	6	6	U	6	6	U	6	3.9	JB	6	6	U	6
NB-76-06-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	1.5	JB	5.4	5.4	U	5.4
NB-76-10-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	2.1	JB	5.5	5.5	U	5.5
NB-76-24-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	2.1	JB	5.9	5.9	U	5.9
NB-77-05-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	1.5	JB	5.4	5.4	U	5.4
NB-77-13-SL	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3	1.5	JB	5.3	5.3	U	5.3
NB-77-24-SL	9.5		5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	2.1	JB	5.7	5.7	U	5.7
NB-78-07-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.1	JB	6.2	6.2	U	6.2
NB-78-11-SL	22		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	2	JB	6.3	6.3	U	6.3
NB-78-18-SL	130		33	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-79-05-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	1.7	J	5.8	5.8	U	5.8
NB-79-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.3	J	6.2	6.2	U	6.2
NB-79-11-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-79-24-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	1.9	J	6.1	6.1	U	6.1
NB-80-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	1.9	J	5.9	5.9	U	5.9
NB-80-11-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-80-27-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	1.8	J	5.6	5.6	U	5.6
NB-81-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-81-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-81-31-SL	9.5		5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-82-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.5	B	6.4	6.4	U	6.4
NB-82-11-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	5.6	JB	6.1	6.1	U	6.1
NB-82-20-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.4	JB	5.8	5.8	U	5.8
NB-83-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	3.9	JB	6.2	6.2	U	6.2
NB-83-11-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-83-23-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	8.1	B	5.7	5.7	U	5.7
NB-84-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-84-15-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
NB-84-23-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-84-33-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	9.8		6	6	U	6
NB-85-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	11		6.2	6.2	U	6.2
NB-85-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	12		6.2	6.2	U	6.2
NB-85-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	9.2		6.3	6.3	U	6.3
NB-86-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	7.4		5.7	5.7	U	5.7
NB-86-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	4.4	J	6.5	6.5	U	6.5
NB-86-19-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	2.4	J	6.4	6.4	U	6.4
OA-18-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-18-17-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-18-25-SL	18	J	34	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
OA-18-33-SL	390	J	670	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
OA-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-19-15-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	3.1	J	6.8	6.8	U	6.8
OA-19-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-19-33-SL	240		31	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
PL-04-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	2.9	J	6.3	6.3	U	6.3
PL-04-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	2.4	J	6.4	6.4	U	6.4
PL-04-23-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	1.9	J	6.5	6.5	U	6.5
PL-04-31-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	2.1	J	6.4	6.4	U	6.4
PL-05-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	1.6	J	6.2	6.2	U	6.2
PL-05-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.7	J	6.3	6.3	U	6.3
PL-05-28-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	2.1	J	6.8	6.8	U	6.8
PL-06-07-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
PL-06-13-SL	1.9	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
PL-06-17-SL	1.8	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
PL-06-29-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
PL-06-33-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
RR-04-05-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	1.3	JB	6.6	6.6	U	6.6
RR-04-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.4	JB	6.3	6.3	U	6.3
RR-04-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	1.4	JB	6.5	6.5	U	6.5
RR-05-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	1.4	JB	6.4	6.4	U	6.4
RR-05-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.6	JB	6.3	6.3	U	6.3
RR-05-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.4	JB	6.3	6.3	U	6.3
RR-05-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	1.4	JB	6.3	6.3	U	6.3
SW-02-01-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	3	J	6.3	6.3	U	6.3
SW-02-09-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	4.2	J	6.5	6.5	U	6.5
SW-02-15-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	3.7	J	6.9	6.9	U	6.9
SW-02-23-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	4.5	J	7.1	7.1	U	7.1

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	cis-1,2-Dichloroethene			cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	6	U	6	6	U	6	6	U	6	6	U	6	8.1	B	6	6	U	6
SW-05-12-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	9.4	B	6.1	6.1	U	6.1
SW-06-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.7	JB	6.2	6.2	U	6.2
SW-06-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.7	JB	6.2	6.2	U	6.2
SW-06-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.5	B	6.2	6.2	U	6.2
SW-06-23-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	8.2	B	6.7	6.7	U	6.7
SW-07-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	3.6	JB	6.3	6.3	U	6.3
SW-07-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	2.6	JB	6.3	6.3	U	6.3
SW-07-23-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	3.7	JB	6.8	6.8	U	6.8
SW-08-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	1	JB	6.1	6.1	U	6.1
SW-08-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	1.6	JB	6.4	6.4	U	6.4
SW-08-15-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	1.7	JB	6.9	6.9	U	6.9
SW-08-25-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	1.2	JB	5.7	5.7	U	5.7

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene			trans-1,3-Dichloropropene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	6.3	U	6.3	6.3	U	6.3	830		63	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BD-13-15-SL	6.3	U	6.3	6.3	U	6.3	8900		6300	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BD-13-23-SL	6.3	U	6.3	6.3	U	6.3	27000		6300	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BD-13-30-SL	6.5	U	6.5	6.5	U	6.5	13000		3200	6.5	U	6.5	1.7	J	6.5	6.5	U	6.5
BD-14-05-SL	6.3	U	6.3	6.3	U	6.3	80		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BD-14-13-SL	6.4	U	6.4	6.4	U	6.4	69		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BD-14-25-SL	6.6	U	6.6	6.6	U	6.6	390		33	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BD-14-31-SL	6.2	U	6.2	6.2	U	6.2	53		6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BD-15-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BD-15-17-SL	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3	7.3	U	7.3
BD-15-25-SL	6.6	U	6.6	6.6	U	6.6	1.6	J	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BD-15-31-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BD-16-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BD-16-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BD-16-19-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
BD-16-25-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1
BD-16-34-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BLD240-01-01	6	U	0	6	U	0	17		0	1.5	J	0	6	U	0	6	U	0
BLD240-01-31	6.2	U	0	6.2	U	0	4800		0	6.9		0	6.2	U	0	6.2	U	0
BLD240-01-31FD	620	U	0	620	U	0	3600		0	620	U	0	620	U	0	620	U	0
BLD240-03-04	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0	6.2	U	0
BLD240-03-14	6.3	U	0	6.3	U	0	65		0	1.8	J	0	6.3	U	0	6.3	U	0
BLD240-04-02	6	U	0	6	U	0	22		0	1.8	J	0	6	U	0	6	U	0
BLD240-04-33	5.8	U	0	5.8	U	0	79		0	2.5	J	0	5.8	U	0	5.8	U	0
BLD240-05-01	6.3	U	0	6.3	U	0	2.4	J	0	6.3	U	0	6.3	U	0	6.3	U	0
BLD240-05-23	6.7	U	0	6.7	U	0	470		0	2.4	J	0	6.7	U	0	6.7	U	0
BLD253-02-01	5.5	U	0	5.5	U	0	170		0	4.6	J	0	5.5	U	0	5.5	U	0
BLD253-02-21	6.5	U	0	6.5	U	0	6600000		0	15		0	6.5	U	0	6.5	U	0
BLD253-02-21FD	65000	U	0	65000	U	0	800000		0	65000	U	0	65000	U	0	65000	U	0
BLD255-07-02	6	U	0	6	U	0	3.8	J	0	1.3	J	0	6	U	0	6	U	0
BLD255-07-33	6.5	U	0	6.5	U	0	6.5	U	0	6.5	U	0	6.5	U	0	6.5	U	0
BLD255-08-01	5.9	U	0	5.9	U	0	5.9	U	0	5.9	U	0	5.9	U	0	5.9	U	0
BLD255-08-24	6.8	U	0	6.8	U	0	1600		0	6.8	U	0	2	J	0	6.8	U	0
BLD260-06-01	6.6	U	0	6.6	U	0	280		0	6.6	U	0	6.6	U	0	6.6	U	0
BLD260-06-31	6	U	0	6	U	0	72		0	6	U	0	3.1	J	0	6	U	0
BP-13-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-13-11-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-13-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene			trans-1,3-Dichloropropene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2
BP-13-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-17-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
BP-17-15-SL	6.9	U	6.9	6.9	U	6.9	9.1		6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
BP-17-23-SL	6.6	U	6.6	6.6	U	6.6	6.5	J	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BP-17-31-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
BP-18-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
BP-18-15-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BP-18-25-SL	6.8	U	6.8	6.8	U	6.8	3	J	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
BP-18-31-SL	5.7	U	5.7	5.7	U	5.7	3.9	J	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
BP-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-19-13-SL	6.4	U	6.4	6.4	U	6.4	21		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BP-19-25-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
BP-19-29-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
BP-20-03-SL	6.2	U	6.2	6.2	U	6.2	5.3	J	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-20-19-SL	6.4	U	6.4	6.4	U	6.4	42		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BP-20-27-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
BP-21-07-SL	6.3	U	6.3	6.3	U	6.3	3.7	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-21-07-SL-FD	6.2	U	6.2	6.2	U	6.2	2.7	J	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-21-13-SL	6.5	U	6.5	6.5	U	6.5	29		6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BP-21-24-SL	6.4	U	6.4	6.4	U	6.4	22		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
BP-21-34-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
BP-22-05-SL	6.2	U	6.2	6.2	U	6.2	5.9	J	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
BP-22-13-SL	6.3	U	6.3	6.3	U	6.3	46		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
BP-22-23-SL	6.5	U	6.5	6.5	U	6.5	45		6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
BP-22-33-SL	6.3	U	6.3	6.3	U	6.3	11		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
CB-02-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
CB-02-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
CB-02-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
CB-02-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
DM-02-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
DM-02-17-SL	6.6	U	6.6	6.6	U	6.6	31		6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
DM-02-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
DM-02-33-SL	6.4	U	6.4	6.4	U	6.4	17		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
DM-03-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
DM-03-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
DM-03-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
DM-03-25-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene			trans-1,3-Dichloropropene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	6.1	U	6.1	6.1	U	6.1	3.4	J	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
EP-13-06-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	UJ	6.2	6.2	U	6.2	6.2	U	6.2
EP-13-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	UJ	6.3	6.3	U	6.3	6.3	U	6.3
EP-13-25-SL	6.3	U	6.3	6.3	U	6.3	4.2	J	6.3	6.3	UJ	6.3	6.3	U	6.3	6.3	U	6.3
EP-13-30-SL	5.8	U	5.8	5.8	U	5.8	42	=	5.8	5.8	UJ	5.8	5.8	U	5.8	5.8	U	5.8
EP-14-05-SL	6.2	U	6.2	6.2	U	6.2	5.1	J	6.2	6.2	UJ	6.2	6.2	U	6.2	6.2	U	6.2
EP-14-13-SL	6.3	U	6.3	6.3	U	6.3	18	=	6.3	6.3	UJ	6.3	6.3	U	6.3	6.3	U	6.3
EP-14-25-SL	6.5	U	6.5	6.5	U	6.5	14	=	6.5	6.5	UJ	6.5	6.5	U	6.5	6.5	U	6.5
EP-14-31-SL	6.2	U	6.2	6.2	U	6.2	120	=	6.2	6.2	UJ	6.2	6.2	U	6.2	6.2	U	6.2
EP-15-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-15-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-15-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-15-29-SL	6.4	U	6.4	6.4	U	6.4	4600		640	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-16-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-16-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-16-27-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
EP-17-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-17-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
EP-17-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-17-30-SL	6.5	U	6.5	6.5	U	6.5	18000		1300	6.5	U	6.5	12		6.5	6.5	U	6.5
EP-18-09-SL	6	U	6	6	U	6	65	=	6	6	UJ	6	6	U	6	6	U	6
EP-18-09-SL-FD	6.1	U	6.1	6.1	U	6.1	75	=	6.1	6.1	UJ	6.1	6.1	U	6.1	6.1	U	6.1
EP-18-15-SL	6.4	U	6.4	6.4	U	6.4	250	=	32	6.4	UJ	6.4	6.4	U	6.4	6.4	U	6.4
EP-18-29-SL	6.8	U	6.8	6.8	U	6.8	240	=	34	6.8	UJ	6.8	6.8	U	6.8	6.8	U	6.8
EP-19-05-SL	6.2	U	6.2	6.2	U	6.2	1.8	J	6.2	6.2	UJ	6.2	6.2	U	6.2	6.2	U	6.2
EP-19-13-SL	6.4	U	6.4	6.4	U	6.4	38	=	6.4	6.4	UJ	6.4	6.4	U	6.4	6.4	U	6.4
EP-19-25-SL	6.3	U	6.3	6.3	U	6.3	4.1	J	6.3	6.3	UJ	6.3	6.3	U	6.3	6.3	U	6.3
EP-19-31-SL	6.9	U	6.9	6.9	U	6.9	89	=	6.9	6.9	UJ	6.9	6.9	U	6.9	6.9	U	6.9
EP-20-05-SL	6.2	U	6.2	6.2	U	6.2	7.1		6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
EP-20-15-SL	6.4	U	6.4	6.4	U	6.4	240		13	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
EP-20-25-SL	6.5	U	6.5	6.5	U	6.5	490		32	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
GS-06-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
GS-06-19-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
GS-06-25-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
GS-07-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
GS-07-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-07-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-09-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene			trans-1,3-Dichloropropene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
GS-09-23-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-06-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
LF-06-13-SL	6.2	U	6.2	6.2	U	6.2	12		6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-06-27-SL	6.4	U	6.4	6.4	U	6.4	80		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
LF-06-32-SL	5.7	U	5.7	5.7	U	5.7	19		5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
LF-07-03-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
LF-07-15-SL	6.3	U	6.3	6.3	U	6.3	4.4	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
LF-07-25-SL	6.3	U	6.3	6.3	U	6.3	67		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
LF-07-34-SL	6	U	6	6	U	6	26		6	6	U	6	6	U	6	6	U	6
LF-08-03-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-08-03-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-08-15-SL	6.2	U	6.2	6.2	U	6.2	4.8	J	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
LF-08-21-SL	6.3	U	6.3	6.3	U	6.3	18		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
LF-08-37-SL	5.6	U	5.6	5.6	U	5.6	29		5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
LF-09-03-SL	5.6	U	5.6	5.6	U	5.6	18		5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
LF-09-17-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
LF-09-25-SL	6.4	U	6.4	6.4	U	6.4	70		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
LF-09-31-SL	6.1	U	6.1	6.1	U	6.1	94		6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-28-04-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-28-14-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-28-24-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-28-35-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-29-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-29-14-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-29-22-SL	5.7	U	5.7	5.7	U	5.7	5.8		5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-30-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-30-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-30-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-30-33-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	2.2	J	6.3	6.3	U	6.3	6.3	U	6.3
NB-31-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-31-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-31-27-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-31-32-SL	5.9	U	5.9	5.9	U	5.9	12		5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-32-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	1.3	J	6.2	6.2	U	6.2	6.2	U	6.2
NB-32-15-SL	6.3	U	6.3	6.3	U	6.3	1.2	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-32-27-SL	6.2	U	6.2	6.2	U	6.2	1.1	J	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-32-33-SL	5.7	U	5.7	5.7	U	5.7	1.2	J	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene			trans-1,3-Dichloropropene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-33-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-33-27-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-34-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-34-15-SL	6.3	U	6.3	6.3	U	6.3	5.2	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-34-25-SL	6	U	6	6	U	6	15		6	6	U	6	6	U	6	6	U	6
NB-35-01-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-35-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-35-25-SL	6.5	U	6.5	6.5	U	6.5	2	J	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-36-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-36-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-36-27-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-37-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-37-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-37-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-38-09-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-38-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-38-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-39-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-39-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-39-25-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-39-30-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-40-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-40-05-SL-FD	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-40-17-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-40-25-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-40-31-SL	5.7	U	5.7	5.7	U	5.7	4600		1100	5.7	U	5.7	2.3	J	5.7	5.7	U	5.7
NB-41-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-41-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-41-19-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-42-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-42-13-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-42-23-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-43-05-SL	6.3	U	6.3	6.3	U	6.3	10		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-43-13-SL	5.9	U	5.9	5.9	U	5.9	1.3	J	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-44-05-SL	5.9	U	5.9	5.9	U	5.9	30		5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-44-05-SL-FD	5.5	U	5.5	5.5	U	5.5	25		5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
NB-44-11-SL	5.5	U	5.5	5.5	U	5.5	4.1	J	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene			trans-1,3-Dichloropropene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	5.9	U	5.9	5.9	U	5.9	66		5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-45-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-45-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-45-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-45-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-45-33-SL	6.4	U	6.4	6.4	U	6.4	1.9	J	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-46-09-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-46-17-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-46-25-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-46-29-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-47-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-47-15-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
NB-47-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-47-31-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
NB-48-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-48-11-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-48-15-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-48-25-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
NB-48-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-49-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-49-05-SL-FD	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-49-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-49-25-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
NB-49-37-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-50-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-50-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-50-25-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1
NB-50-37-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-51-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-51-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-51-25-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
NB-51-37-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-52-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-52-13-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-52-25-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
NB-52-35-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-53-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	1.6	J	6.2	6.2	U	6.2	6.2	U	6.2
NB-53-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene			trans-1,3-Dichloropropene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-53-33-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-54-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-54-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-54-25-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
NB-54-31-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
NB-55-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-55-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-55-25-SL	7.4	U	7.4	7.4	U	7.4	45		7.4	7.4	U	7.4	7.4	U	7.4	7.4	U	7.4
NB-55-33-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-56-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-56-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-56-25-SL	6.3	U	6.3	6.3	U	6.3	6.1	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-56-33-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-57-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-57-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-57-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-57-29-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-57-34-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-58-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-58-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-58-29-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
NB-58-36-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-59-05-SL	6.2	U	6.2	6.2	U	6.2	3	J	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-59-13-SL	6.4	U	6.4	6.4	U	6.4	17		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-59-25-SL	6.5	U	6.5	6.5	U	6.5	83		6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-59-31-SL	6.3	U	6.3	6.3	U	6.3	9.9		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-60-05-SL	6.1	U	6.1	6.1	U	6.1	1.8	J	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-60-13-SL	6.4	U	6.4	6.4	U	6.4	74		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-60-23-SL	7	U	7	7	U	7	55		7	7	U	7	7	U	7	7	U	7
NB-60-31-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-61-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-61-13-SL	6.3	U	6.3	6.3	U	6.3	1.8	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-61-23-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-61-28-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-62-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-62-12-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
NB-62-22-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene			trans-1,3-Dichloropropene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	6.2	U	6.2	6.2	U	6.2	2.8	J	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-63-13-SL	5.8	U	5.8	5.8	U	5.8	1.6	J	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-63-19-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-64-05-SL	5.8	U	5.8	5.8	U	5.8	11		5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-64-13-SL	5.4	U	5.4	5.4	U	5.4	4	J	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
NB-64-17-SL	5.6	U	5.6	5.6	U	5.6	5.2	J	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
NB-65-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-65-13-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-65-17-SL	5.8	U	5.8	5.8	U	5.8	3.8	J	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-66-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-66-05-SL-FD	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-66-15-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-66-19-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-67-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-67-11-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
NB-67-21-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-68-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-68-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-68-17-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-68-25-SL	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7	7	U	7
NB-68-33-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-69-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-69-15-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-69-22-SL	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2	7.2	U	7.2
NB-69-34-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-70-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-70-15-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-70-23-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
NB-70-33-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-71-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-71-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-71-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-71-27-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-72-05-SL	5.6	U	5.6	5.6	U	5.6	2	J	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
NB-72-11-SL	5.9	U	5.9	5.9	U	5.9	16		5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-72-19-SL	5.8	U	5.8	5.8	U	5.8	12		5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-72-22-SL	5.7	U	5.7	5.7	U	5.7	18		5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-73-05-SL	5.5	U	5.5	5.5	U	5.5	2.3	J	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene			trans-1,3-Dichloropropene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	5.5	U	5.5	5.5	U	5.5	1.6	J	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
NB-73-23-SL	5.7	U	5.7	5.7	U	5.7	4.9	J	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-74-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	1.6	J	6.2	6.2	U	6.2	6.2	U	6.2
NB-74-17-SL	6.3	U	6.3	6.3	U	6.3	2.5	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-74-25-SL	6.4	U	6.4	6.4	U	6.4	40		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-74-33-SL	6	U	6	6	U	6	140		30	6	U	6	6	U	6	6	U	6
NB-75-08-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-75-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-75-19-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-76-06-SL	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
NB-76-10-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
NB-76-24-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-77-05-SL	5.4	U	5.4	5.4	U	5.4	5	J	5.4	5.4	U	5.4	5.4	U	5.4	5.4	U	5.4
NB-77-13-SL	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3	5.3	U	5.3
NB-77-24-SL	5.7	U	5.7	5.7	U	5.7	7.9		5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-78-07-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-78-11-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-78-18-SL	6.6	U	6.6	6.6	U	6.6	7.7		6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
NB-79-05-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-79-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-79-11-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-79-24-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-80-05-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-80-11-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-80-27-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
NB-81-05-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-81-13-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-81-31-SL	5.7	U	5.7	5.7	U	5.7	2.8	J	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-82-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
NB-82-11-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
NB-82-20-SL	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	5.8	U	5.8
NB-83-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-83-11-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-83-23-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7
NB-84-05-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
NB-84-15-SL	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6
NB-84-23-SL	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
NB-84-33-SL	5.6	U	5.6	5.6	U	5.6	2.1	J	5.6	5.6	U	5.6	5.6	U	5.6	5.6	U	5.6

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene			trans-1,3-Dichloropropene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	6	U	6	6	U	6	6	U	6	1.5	J	6	6	U	6	6	U	6
NB-85-15-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
NB-85-25-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	2.5	J	6.2	6.2	U	6.2	6.2	U	6.2
NB-85-35-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
NB-86-05-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	1.3	J	5.7	5.7	U	5.7	5.7	U	5.7
NB-86-15-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
NB-86-19-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
OA-18-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
OA-18-17-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
OA-18-25-SL	6.7	U	6.7	6.7	U	6.7	120		6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
OA-18-33-SL	6.7	U	6.7	6.7	U	6.7	1200		670	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
OA-19-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
OA-19-15-SL	6.8	U	6.8	6.8	U	6.8	27		6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
OA-19-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
OA-19-33-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	22		6.3	6.3	U	6.3
PL-04-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
PL-04-13-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
PL-04-23-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
PL-04-31-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
PL-05-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
PL-05-15-SL	6.3	U	6.3	6.3	U	6.3	4.1	J	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
PL-05-28-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8
PL-06-07-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
PL-06-13-SL	6.3	U	6.3	6.3	U	6.3	15		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
PL-06-17-SL	6.3	U	6.3	6.3	U	6.3	14		6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
PL-06-29-SL	6.4	U	6.4	6.4	U	6.4	74		6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
PL-06-33-SL	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5
RR-04-05-SL	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6	6.6	U	6.6
RR-04-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
RR-04-25-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
RR-05-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
RR-05-05-SL-FD	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
RR-05-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
RR-05-25-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-02-01-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-02-09-SL	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5	6.5	U	6.5
SW-02-15-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
SW-02-23-SL	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1	7.1	U	7.1

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	O-Xylene			Styrene			Tetrachloro ethylene			Toluene			trans-1,2-Dichloroethene			trans-1,3-Dichloropropene		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6	6	U	6
SW-05-12-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
SW-06-05-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
SW-06-05-SL-FD	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
SW-06-13-SL	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2	6.2	U	6.2
SW-06-23-SL	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7	6.7	U	6.7
SW-07-05-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-07-15-SL	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3	6.3	U	6.3
SW-07-23-SL	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	1.8	J	6.8	6.8	U	6.8	6.8	U	6.8
SW-08-03-SL	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1	6.1	U	6.1
SW-08-05-SL	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	6.4	U	6.4
SW-08-15-SL	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9	6.9	U	6.9
SW-08-25-SL	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BD-13-09-SL	2.3	J	6.3	13	U	13	13	U	13
BD-13-15-SL	16		6.3	13	U	13	13	U	13
BD-13-23-SL	27		6.3	13	U	13	13	U	13
BD-13-30-SL	37		6.5	13	U	13	13	U	13
BD-14-05-SL	8.5		6.3	13	U	13	11	J	13
BD-14-13-SL	15		6.4	13	U	13	13		13
BD-14-25-SL	26		6.6	13	U	13	3.6	J	13
BD-14-31-SL	62		6.2	12	U	12	4	J	12
BD-15-05-SL	6.3	U	6.3	13	U	13	13	U	13
BD-15-17-SL	6.2	J	7.3	15	U	15	15	U	15
BD-15-25-SL	15		6.6	13	U	13	13	U	13
BD-15-31-SL	6.4	U	6.4	13	U	13	13	U	13
BD-16-05-SL	6.3	U	6.3	13	U	13	13	U	13
BD-16-15-SL	6.3	U	6.3	13	U	13	13	U	13
BD-16-19-SL	6.8	U	6.8	14	U	14	14	U	14
BD-16-25-SL	7.1	U	7.1	14	U	14	14	U	14
BD-16-34-SL	6.6	U	6.6	13	U	13	13	U	13
BLD240-01-01	6	U	0	12	U	0	12	U	0
BLD240-01-31	21		0	12	U	0	12	U	0
BLD240-01-31FD	620	U	0	1200	U	0	1200	U	0
BLD240-03-04	6.2	U	0	12	U	0	12	U	0
BLD240-03-14	2.3	J	0	13	U	0	13	U	0
BLD240-04-02	20		0	12	U	0	12	U	0
BLD240-04-33	7.5		0	12	U	0	12	U	0
BLD240-05-01	1.9	J	0	13	U	0	13	U	0
BLD240-05-23	470		0	13	U	0	13	U	0
BLD253-02-01	1.8	J	0	11	U	0	11	U	0
BLD253-02-21	16000	U	0	13	U	0	13	U	0
BLD253-02-21FD	65000	U	0	130000	U	0	130000	U	0
BLD255-07-02	6	U	0	12	U	0	12	U	0
BLD255-07-33	6.5	U	0	13	U	0	13	U	0
BLD255-08-01	5.9	U	0	12	U	0	12	U	0
BLD255-08-24	1600		0	14	U	0	1.8	J	0
BLD260-06-01	34		0	13	U	0	13	U	0
BLD260-06-31	350		0	12	U	0	11	J	0
BP-13-05-SL	6.2	U	6.2	12	U	12	12	U	12
BP-13-11-SL	6.3	U	6.3	13	U	13	13	U	13
BP-13-15-SL	6.3	U	6.3	13	U	13	13	U	13

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
BP-13-25-SL	7.2	U	7.2	14	U	14	14	U	14
BP-13-35-SL	6.3	U	6.3	13	U	13	13	U	13
BP-17-05-SL	6.1	U	6.1	12	U	12	12	U	12
BP-17-15-SL	7.3		6.9	14	U	14	14	U	14
BP-17-23-SL	14		6.6	13	U	13	13	U	13
BP-17-31-SL	3.7	J	6.7	13	U	13	13	U	13
BP-18-05-SL	6	U	6	12	U	12	12	U	12
BP-18-15-SL	6.6	U	6.6	13	U	13	13	U	13
BP-18-25-SL	6.8	U	6.8	14	U	14	14	U	14
BP-18-31-SL	1.4	J	5.7	11	U	11	11	U	11
BP-19-05-SL	6.2	U	6.2	12	U	12	12	U	12
BP-19-13-SL	6.7		6.4	13	U	13	13	U	13
BP-19-25-SL	6.9	U	6.9	14	U	14	14	U	14
BP-19-29-SL	6.6	U	6.6	13	U	13	13	U	13
BP-20-03-SL	6.2	U	6.2	12	U	12	12	U	12
BP-20-19-SL	7.2		6.4	13	U	13	13	U	13
BP-20-27-SL	6.1	U	6.1	12	U	12	12	U	12
BP-21-07-SL	6.3	U	6.3	13	U	13	13	U	13
BP-21-07-SL-FD	6.2	U	6.2	12	U	12	12	U	12
BP-21-13-SL	11		6.5	13	U	13	13	U	13
BP-21-24-SL	12		6.4	13	U	13	13	U	13
BP-21-34-SL	5.9	U	5.9	12	U	12	12	U	12
BP-22-05-SL	1.4	J	6.2	12	U	12	12	U	12
BP-22-13-SL	20		6.3	13	U	13	13	U	13
BP-22-23-SL	29		6.5	13	U	13	13	U	13
BP-22-33-SL	170		32	13	U	13	15		13
CB-02-05-SL	6.2	U	6.2	12	U	12	12	U	12
CB-02-05-SL-FD	6.3	U	6.3	13	U	13	13	U	13
CB-02-15-SL	6.2	U	6.2	12	U	12	12	U	12
CB-02-25-SL	6.8	U	6.8	14	U	14	14	U	14
DM-02-05-SL	6.2	U	6.2	12	U	12	12	U	12
DM-02-17-SL	16		6.6	13	U	13	13	U	13
DM-02-25-SL	6.6	U	6.6	13	U	13	13	U	13
DM-02-33-SL	8.9		6.4	13	U	13	13	U	13
DM-03-05-SL	6.3	U	6.3	13	U	13	13	U	13
DM-03-05-SL-FD	6.3	U	6.3	13	U	13	13	U	13
DM-03-13-SL	6.4	U	6.4	13	U	13	13	U	13
DM-03-25-SL	7.2	U	7.2	14	U	14	14	U	14

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
DM-03-34-SL	17		6.1	12	U	12	12	U	12
EP-13-06-SL	6.2	UJ	6.2	12	U	12	12	U	12
EP-13-13-SL	6.3	UJ	6.3	13	U	13	13	U	13
EP-13-25-SL	6.3	UJ	6.3	13	U	13	13	U	13
EP-13-30-SL	5.8	UJ	5.8	12	U	12	12	U	12
EP-14-05-SL	6.2	UJ	6.2	12	U	12	12	U	12
EP-14-13-SL	4.2	J	6.3	13	U	13	13	U	13
EP-14-25-SL	3.4	J	6.5	13	U	13	13	U	13
EP-14-31-SL	11	J	6.2	12	U	12	12	U	12
EP-15-05-SL	6.2	U	6.2	12	U	12	12	U	12
EP-15-13-SL	6.4	U	6.4	13	U	13	13	U	13
EP-15-25-SL	6.2	U	6.2	12	U	12	12	U	12
EP-15-29-SL	110		6.4	13	U	13	13	U	13
EP-16-05-SL	6.2	U	6.2	12	U	12	12	U	12
EP-16-15-SL	6.3	U	6.3	13	U	13	13	U	13
EP-16-27-SL	5.8	U	5.8	12	U	12	12	U	12
EP-17-05-SL	6.2	U	6.2	12	U	12	12	U	12
EP-17-15-SL	6.3	U	6.3	13	U	13	13	U	13
EP-17-25-SL	6.4	U	6.4	13	U	13	13	U	13
EP-17-30-SL	400		65	13	U	13	13	U	13
EP-18-09-SL	1.6	J	6	12	U	12	12	U	12
EP-18-09-SL-FD	2	J	6.1	12	U	12	12	U	12
EP-18-15-SL	1.9	J	6.4	13	U	13	13	U	13
EP-18-29-SL	5.5	J	6.8	14	U	14	14	U	14
EP-19-05-SL	6.2	UJ	6.2	12	U	12	12	U	12
EP-19-13-SL	6.4	UJ	6.4	13	U	13	13	U	13
EP-19-25-SL	3.7	J	6.3	13	U	13	13	U	13
EP-19-31-SL	6.9	UJ	6.9	14	U	14	14	U	14
EP-20-05-SL	6.2	U	6.2	12	U	12	12	U	12
EP-20-15-SL	6.4	U	6.4	13	U	13	13	U	13
EP-20-25-SL	2.2	J	6.5	13	U	13	13	U	13
GS-06-05-SL	5.7	U	5.7	11	U	11	11	U	11
GS-06-19-SL	6.2	U	6.2	12	U	12	12	U	12
GS-06-25-SL	6.1	U	6.1	12	U	12	12	U	12
GS-07-05-SL	6	U	6	12	U	12	12	U	12
GS-07-15-SL	6.4	U	6.4	13	U	13	13	U	13
GS-07-25-SL	6.4	U	6.4	13	U	13	13	U	13
GS-09-05-SL	6.2	U	6.2	12	U	12	12	U	12

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GS-09-15-SL	6.4	U	6.4	13	U	13	13	U	13
GS-09-23-SL	6.2	U	6.2	12	U	12	12	U	12
LF-06-05-SL	6.1	U	6.1	12	U	12	12	U	12
LF-06-13-SL	19		6.2	12	U	12	12	U	12
LF-06-27-SL	7.7		6.4	13	U	13	13	U	13
LF-06-32-SL	5.7	U	5.7	11	U	11	11	U	11
LF-07-03-SL	6	U	6	12	U	12	12	U	12
LF-07-15-SL	1.6	J	6.3	13	U	13	13	U	13
LF-07-25-SL	3.3	J	6.3	13	U	13	13	U	13
LF-07-34-SL	6	U	6	12	U	12	12	U	12
LF-08-03-SL	6.2	U	6.2	12	U	12	12	U	12
LF-08-03-SL-FD	6.2	U	6.2	12	U	12	12	U	12
LF-08-15-SL	6.2	U	6.2	12	U	12	12	U	12
LF-08-21-SL	6.3	U	6.3	13	U	13	13	U	13
LF-08-37-SL	5.6	U	5.6	11	U	11	11	U	11
LF-09-03-SL	1.8	J	5.6	11	U	11	11	U	11
LF-09-17-SL	6.4	U	6.4	13	U	13	13	U	13
LF-09-25-SL	4	J	6.4	13	U	13	13	U	13
LF-09-31-SL	3.8	J	6.1	12	U	12	12	U	12
NB-28-04-SL	6.1	U	6.1	12	U	12	12	U	12
NB-28-14-SL	6.1	U	6.1	12	U	12	12	U	12
NB-28-24-SL	6.4	U	6.4	13	U	13	13	U	13
NB-28-35-SL	6.2	U	6.2	12	U	12	12	U	12
NB-29-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-29-14-SL	5.8	U	5.8	12	U	12	12	U	12
NB-29-22-SL	5.8		5.7	11	U	11	11	U	11
NB-30-05-SL	6.3	U	6.3	13	U	13	13	U	13
NB-30-15-SL	6.4	U	6.4	13	U	13	13	U	13
NB-30-25-SL	6.6	U	6.6	13	U	13	13	U	13
NB-30-33-SL	1.9	J	6.3	13	U	13	13	U	13
NB-31-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-31-15-SL	6.3	U	6.3	13	U	13	13	U	13
NB-31-27-SL	6.5	U	6.5	13	U	13	13	U	13
NB-31-32-SL	76		12	12	U	12	4.1	J	12
NB-32-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-32-15-SL	6.3	U	6.3	13	U	13	13	U	13
NB-32-27-SL	6.2	U	6.2	12	U	12	12	U	12
NB-32-33-SL	2.3	J	5.7	11	U	11	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-33-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-33-15-SL	6.3	U	6.3	13	U	13	13	U	13
NB-33-27-SL	6.1	U	6.1	12	U	12	12	U	12
NB-34-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-34-15-SL	6.3	U	6.3	13	U	13	13	U	13
NB-34-25-SL	1.2	J	6	12	U	12	12	U	12
NB-35-01-SL	6.2	U	6.2	12	U	12	12	U	12
NB-35-15-SL	6.4	U	6.4	13	U	13	13	U	13
NB-35-25-SL	6.5	U	6.5	13	U	13	13	U	13
NB-36-05-SL	6.3	U	6.3	13	U	13	13	U	13
NB-36-15-SL	6.3	U	6.3	13	U	13	13	U	13
NB-36-27-SL	6.3	U	6.3	13	U	13	13	U	13
NB-37-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-37-15-SL	6.3	U	6.3	13	U	13	13	U	13
NB-37-25-SL	6.6	U	6.6	13	U	13	13	U	13
NB-38-09-SL	6.2	U	6.2	12	U	12	12	U	12
NB-38-15-SL	6.3	U	6.3	13	U	13	13	U	13
NB-38-25-SL	6.5	U	6.5	13	U	13	13	U	13
NB-39-05-SL	6.3	U	6.3	13	U	13	13	U	13
NB-39-15-SL	6.5	U	6.5	13	U	13	13	U	13
NB-39-25-SL	6.6	U	6.6	13	U	13	13	U	13
NB-39-30-SL	6.4	U	6.4	13	U	13	13	U	13
NB-40-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-40-05-SL-FD	6.1	U	6.1	12	U	12	12	U	12
NB-40-17-SL	6.3	U	6.3	13	U	13	13	U	13
NB-40-25-SL	5.9	U	5.9	12	U	12	12	U	12
NB-40-31-SL	410		57	11	U	11	11	U	11
NB-41-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-41-13-SL	6.2	U	6.2	12	U	12	12	U	12
NB-41-19-SL	6.3	U	6.3	13	U	13	13	U	13
NB-42-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-42-13-SL	5.7	U	5.7	11	U	11	11	U	11
NB-42-23-SL	5.9	U	5.9	12	U	12	12	U	12
NB-43-05-SL	6.3	U	6.3	13	U	13	13	U	13
NB-43-13-SL	5.9	U	5.9	12	U	12	12	U	12
NB-44-05-SL	8.6		5.9	12	U	12	12	U	12
NB-44-05-SL-FD	5.2	J	5.5	11	U	11	11	U	11
NB-44-11-SL	5.5	U	5.5	11	U	11	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-44-18-SL	38		5.9	12	U	12	12	U	12
NB-45-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-45-05-SL-FD	6.2	U	6.2	12	U	12	12	U	12
NB-45-13-SL	6.3	U	6.3	13	U	13	13	U	13
NB-45-25-SL	6.4	U	6.4	13	U	13	13	U	13
NB-45-33-SL	54		6.4	13	U	13	13	U	13
NB-46-09-SL	6.4	U	6.4	13	U	13	13	U	13
NB-46-17-SL	6.1	U	6.1	12	U	12	12	U	12
NB-46-25-SL	6.4	U	6.4	13	U	13	13	U	13
NB-46-29-SL	6.3	U	6.3	13	U	13	13	U	13
NB-47-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-47-15-SL	6.8	U	6.8	14	U	14	14	U	14
NB-47-25-SL	6.2	U	6.2	12	U	12	12	U	12
NB-47-31-SL	6.9	U	6.9	14	U	14	14	U	14
NB-48-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-48-11-SL	6.6	U	6.6	13	U	13	13	U	13
NB-48-15-SL	6.6	U	6.6	13	U	13	13	U	13
NB-48-25-SL	6.7	U	6.7	13	U	13	13	U	13
NB-48-35-SL	6.3	U	6.3	13	U	13	13	U	13
NB-49-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-49-05-SL-FD	6	U	6	12	U	12	12	U	12
NB-49-15-SL	6.5	U	6.5	13	U	13	13	U	13
NB-49-25-SL	6.9	U	6.9	14	U	14	14	U	14
NB-49-37-SL	6.5	U	6.5	13	U	13	13	U	13
NB-50-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-50-15-SL	6.4	U	6.4	13	U	13	13	U	13
NB-50-25-SL	7.1	U	7.1	14	U	14	14	U	14
NB-50-37-SL	6.6	U	6.6	13	U	13	13	U	13
NB-51-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-51-13-SL	6.4	U	6.4	13	U	13	13	U	13
NB-51-25-SL	6.7	U	6.7	13	U	13	13	U	13
NB-51-37-SL	6.3	U	6.3	13	U	13	13	U	13
NB-52-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-52-13-SL	6.5	U	6.5	13	U	13	13	U	13
NB-52-25-SL	6.8	U	6.8	14	U	14	14	U	14
NB-52-35-SL	5.9	U	5.9	12	U	12	12	U	12
NB-53-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-53-13-SL	6.3	U	6.3	13	U	13	13	U	13

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-53-23-SL	6.6	U	6.6	13	U	13	13	U	13
NB-53-33-SL	6.4	U	6.4	13	U	13	13	U	13
NB-54-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-54-13-SL	6.4	U	6.4	13	U	13	13	U	13
NB-54-25-SL	2.7	J	6.9	14	U	14	14	U	14
NB-54-31-SL	5.5	U	5.5	11	U	11	11	U	11
NB-55-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-55-13-SL	6.3	U	6.3	13	U	13	13	U	13
NB-55-25-SL	5.7	J	7.4	15	U	15	15	U	15
NB-55-33-SL	5.9	U	5.9	12	U	12	12	U	12
NB-56-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-56-13-SL	6.4	U	6.4	13	U	13	13	U	13
NB-56-25-SL	6.3	U	6.3	13	U	13	13	U	13
NB-56-33-SL	6.5	U	6.5	13	U	13	13	U	13
NB-57-05-SL	6.3	U	6.3	13	U	13	13	U	13
NB-57-05-SL-FD	6.2	U	6.2	12	U	12	12	U	12
NB-57-15-SL	6.4	U	6.4	13	U	13	13	U	13
NB-57-29-SL	6.6	U	6.6	13	U	13	13	U	13
NB-57-34-SL	6.6	U	6.6	13	U	13	13	U	13
NB-58-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-58-15-SL	6.4	U	6.4	13	U	13	13	U	13
NB-58-29-SL	6.8	U	6.8	14	U	14	14	U	14
NB-58-36-SL	5.9	U	5.9	12	U	12	12	U	12
NB-59-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-59-13-SL	2.5	J	6.4	13	U	13	13	U	13
NB-59-25-SL	6.1	J	6.5	13	U	13	13	U	13
NB-59-31-SL	6.3	U	6.3	13	U	13	13	U	13
NB-60-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-60-13-SL	5.5	J	6.4	13	U	13	13	U	13
NB-60-23-SL	4.9	J	7	14	U	14	14	U	14
NB-60-31-SL	6.2	U	6.2	12	U	12	12	U	12
NB-61-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-61-13-SL	6.3	U	6.3	13	U	13	13	U	13
NB-61-23-SL	6.4	U	6.4	13	U	13	13	U	13
NB-61-28-SL	6.2	U	6.2	12	U	12	12	U	12
NB-62-05-SL	5.9	U	5.9	12	U	12	12	U	12
NB-62-12-SL	5.6	U	5.6	11	U	11	11	U	11
NB-62-22-SL	5.6	U	5.6	11	U	11	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-63-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-63-13-SL	5.8	U	5.8	12	U	12	12	U	12
NB-63-19-SL	2.3	J	6.1	12	U	12	12	U	12
NB-64-05-SL	15		5.8	12	U	12	12	U	12
NB-64-13-SL	12		5.4	11	U	11	11	U	11
NB-64-17-SL	76		5.6	11	U	11	11	U	11
NB-65-05-SL	5.9	U	5.9	12	U	12	12	U	12
NB-65-13-SL	6	U	6	12	U	12	12	U	12
NB-65-17-SL	5.8	U	5.8	12	U	12	12	U	12
NB-66-05-SL	5.7	U	5.7	11	U	11	11	U	11
NB-66-05-SL-FD	5.7	U	5.7	11	U	11	11	U	11
NB-66-15-SL	6.1	U	6.1	12	U	12	12	U	12
NB-66-19-SL	5.7	U	5.7	11	U	11	11	U	11
NB-67-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-67-11-SL	5.4	U	5.4	11	U	11	11	U	11
NB-67-21-SL	5.7	U	5.7	11	U	11	11	U	11
NB-68-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-68-13-SL	6.3	U	6.3	13	U	13	13	U	13
NB-68-17-SL	6.1	U	6.1	12	U	12	12	U	12
NB-68-25-SL	7	U	7	14	U	14	14	U	14
NB-68-33-SL	6	U	6	12	U	12	12	U	12
NB-69-05-SL	6.1	U	6.1	12	U	12	12	U	12
NB-69-15-SL	6.1	U	6.1	12	U	12	12	U	12
NB-69-22-SL	7.2	U	7.2	14	U	14	14	U	14
NB-69-34-SL	6.3	U	6.3	13	U	13	13	U	13
NB-70-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-70-15-SL	6.4	U	6.4	13	U	13	13	U	13
NB-70-23-SL	6.9	U	6.9	14	U	14	14	U	14
NB-70-33-SL	6.1	U	6.1	12	U	12	12	U	12
NB-71-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-71-05-SL-FD	6.2	U	6.2	12	U	12	12	U	12
NB-71-13-SL	6.2	U	6.2	12	U	12	12	U	12
NB-71-27-SL	6	U	6	12	U	12	12	U	12
NB-72-05-SL	5.6	U	5.6	11	U	11	11	U	11
NB-72-11-SL	5.3	J	5.9	12	U	12	12	U	12
NB-72-19-SL	280		58	12	U	12	1.6	J	12
NB-72-22-SL	310		57	11	U	11	11	U	11
NB-73-05-SL	5.5	U	5.5	11	U	11	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-73-13-SL	5.5	U	5.5	11	U	11	11	U	11
NB-73-23-SL	5.7	U	5.7	11	U	11	11	U	11
NB-74-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-74-17-SL	6.3	U	6.3	13	U	13	13	U	13
NB-74-25-SL	2.6	J	6.4	13	U	13	13	U	13
NB-74-33-SL	34		6	12	U	12	12	U	12
NB-75-08-SL	6.2	U	6.2	12	U	12	12	U	12
NB-75-15-SL	6.3	U	6.3	13	U	13	13	U	13
NB-75-19-SL	6	U	6	12	U	12	12	U	12
NB-76-06-SL	5.4	U	5.4	11	U	11	11	U	11
NB-76-10-SL	5.5	U	5.5	11	U	11	11	U	11
NB-76-24-SL	5.9	U	5.9	12	U	12	12	U	12
NB-77-05-SL	5.4	U	5.4	11	U	11	11	U	11
NB-77-13-SL	5.3	U	5.3	11	U	11	11	U	11
NB-77-24-SL	5.5	J	5.7	11	U	11	11	U	11
NB-78-07-SL	7.8		6.2	12	U	12	12	U	12
NB-78-11-SL	15		6.3	13	U	13	13	U	13
NB-78-18-SL	260		33	13	U	13	15		13
NB-79-05-SL	1.6	J	5.8	12	U	12	12	U	12
NB-79-05-SL-FD	2.4	J	6.2	12	U	12	12	U	12
NB-79-11-SL	6.1	U	6.1	12	U	12	12	U	12
NB-79-24-SL	6.1	U	6.1	12	U	12	12	U	12
NB-80-05-SL	2.4	J	5.9	12	U	12	12	U	12
NB-80-11-SL	6.2	U	6.2	12	U	12	12	U	12
NB-80-27-SL	5.6	U	5.6	11	U	11	11	U	11
NB-81-05-SL	2	J	6.1	12	U	12	12	U	12
NB-81-13-SL	6.3	U	6.3	13	U	13	13	U	13
NB-81-31-SL	33		5.7	11	U	11	11	U	11
NB-82-05-SL	6.4	U	6.4	13	U	13	13	U	13
NB-82-11-SL	6.1	U	6.1	12	U	12	12	U	12
NB-82-20-SL	5.8	U	5.8	12	U	12	12	U	12
NB-83-05-SL	6.2	U	6.2	12	U	12	12	U	12
NB-83-11-SL	6.2	U	6.2	12	U	12	12	U	12
NB-83-23-SL	1.8	J	5.7	11	U	11	11	U	11
NB-84-05-SL	6	U	6	12	U	12	12	U	12
NB-84-15-SL	5.6	U	5.6	11	U	11	11	U	11
NB-84-23-SL	5.9	U	5.9	12	U	12	12	U	12
NB-84-33-SL	1.7	J	5.6	11	U	11	11	U	11

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
NB-85-05-SL	6	U	6	12	U	12	12	U	12
NB-85-15-SL	6.2	U	6.2	12	U	12	12	U	12
NB-85-25-SL	6.2	U	6.2	12	U	12	12	U	12
NB-85-35-SL	6.3	U	6.3	13	U	13	13	U	13
NB-86-05-SL	5.7	U	5.7	11	U	11	11	U	11
NB-86-15-SL	6.5	U	6.5	13	U	13	13	U	13
NB-86-19-SL	6.4	U	6.4	13	U	13	13	U	13
OA-18-03-SL	6.1	U	6.1	12	U	12	12	U	12
OA-18-17-SL	6.6	U	6.6	13	U	13	13	U	13
OA-18-25-SL	320		34	13	U	13	13	U	13
OA-18-33-SL	4800		670	13	U	13	11	J	13
OA-19-05-SL	6.2	U	6.2	12	U	12	12	U	12
OA-19-15-SL	3.8	J	6.8	14	U	14	14	U	14
OA-19-25-SL	6.5	U	6.5	13	U	13	13	U	13
OA-19-33-SL	64		6.3	13	U	13	4.9	J	13
PL-04-05-SL	6.3	U	6.3	13	U	13	13	U	13
PL-04-13-SL	2	J	6.4	13	U	13	13	U	13
PL-04-23-SL	6.5	U	6.5	13	U	13	13	U	13
PL-04-31-SL	6.4	U	6.4	13	U	13	13	U	13
PL-05-05-SL	6.2	U	6.2	12	U	12	12	U	12
PL-05-15-SL	6.3	U	6.3	13	U	13	13	U	13
PL-05-28-SL	6.8	U	6.8	14	U	14	14	U	14
PL-06-07-SL	6.2	U	6.2	12	U	12	12	U	12
PL-06-13-SL	2.2	J	6.3	13	U	13	13	U	13
PL-06-17-SL	2.2	J	6.3	13	U	13	13	U	13
PL-06-29-SL	4.9	J	6.4	13	U	13	13	U	13
PL-06-33-SL	5.5	U	5.5	11	U	11	11	U	11
RR-04-05-SL	6.6	U	6.6	13	U	13	13	U	13
RR-04-15-SL	6.3	U	6.3	13	U	13	13	U	13
RR-04-25-SL	6.5	U	6.5	13	U	13	13	U	13
RR-05-05-SL	6.4	U	6.4	13	U	13	13	U	13
RR-05-05-SL-FD	6.3	U	6.3	13	U	13	13	U	13
RR-05-15-SL	6.3	U	6.3	13	U	13	13	U	13
RR-05-25-SL	6.3	U	6.3	13	U	13	13	U	13
SW-02-01-SL	6.3	U	6.3	13	U	13	13	U	13
SW-02-09-SL	6.5	U	6.5	13	U	13	13	U	13
SW-02-15-SL	6.9	U	6.9	14	U	14	14	U	14
SW-02-23-SL	7.1	U	7.1	14	U	14	14	U	14

Table H.15g Organics (Volatile Organic Compounds) in Subsurface Soils (µg/kg)

Sample ID	Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
SW-05-08-SL	6	U	6	12	U	12	12	U	12
SW-05-12-SL	6.1	U	6.1	12	U	12	12	U	12
SW-06-05-SL	6.2	U	6.2	12	U	12	12	U	12
SW-06-05-SL-FD	6.2	U	6.2	12	U	12	12	U	12
SW-06-13-SL	6.2	U	6.2	12	U	12	12	U	12
SW-06-23-SL	6.7	U	6.7	13	U	13	13	U	13
SW-07-05-SL	6.3	U	6.3	13	U	13	13	U	13
SW-07-15-SL	6.3	U	6.3	13	U	13	13	U	13
SW-07-23-SL	6.8	U	6.8	14	U	14	14	U	14
SW-08-03-SL	6.1	U	6.1	12	U	12	12	U	12
SW-08-05-SL	6.4	U	6.4	13	U	13	13	U	13
SW-08-15-SL	6.9	U	6.9	14	U	14	14	U	14
SW-08-25-SL	5.7	U	5.7	11	U	11	11	U	11

Table H.16a Organics (Base Neutral Acids) in Groundwater (µg/L)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BD1-121704	11	U	T	11	U	T	56	U	T	11	U	T	11	U	T	11	U	T
GW-BD13-122804	11	U	T	11	U	T	56	U	T	11	U	T	11	U	T	11	U	T
GW-BD14-122904	11	U	T	11	U	T	53	U	T	11	U	T	11	U	T	11	U	T
GW-BD16-122204	10	U	T	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T
GW-BD2-121604	10	U	T	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T
GW-BD3-121704	9.6	U	T	9.6	U	T	48	U	T	9.6	U	T	9.6	U	T	9.6	U	T
GW-BD4-121704	11	U	T	11	U	T	55	U	T	11	U	T	11	U	T	11	U	T
GW-BD5-121504	11	U	T	11	U	T	56	U	T	11	U	T	11	U	T	11	U	T
GW-BD6-121404	10	U	T	10	U	T	51	U	T	10	U	T	10	U	T	10	U	T
GW-BD7-121504	10	U	T	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T
GW-BD8-122804	10	U	T	10	U	T	51	U	T	10	U	T	10	U	T	10	U	T
GW-BP17-122204	9.4	U	T	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-BP22A-122804	9.4	U	T	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-BP22B-122804	9.7	U	T	9.7	U	T	48	U	T	9.7	U	T	9.7	U	T	9.7	U	T
GW-CB02-121404	10	U	T	10	U	T	50	U	T	10	U	T	10	U	T	10	U	T
GW-DM02-122204	10	U	T	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T
GW-EP15-121004	10	U	T	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T
GW-EP16-121304	10	U	T	10	U	T	50	U	T	10	U	T	10	U	T	10	U	T
GW-EP20-121504	11	U	T	11	U	T	53	U	T	11	U	T	11	U	T	11	U	T
GW-FD3-121304	9.8	U	T	9.8	U	T	49	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-FD7-122004	9.8	U	T	9.8	U	T	49	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-LF08-122104	10	U	T	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T
GW-LF09-122004	9.5	U	T	9.5	U	T	48	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-NB50-121604	9.9	U	T	9.9	U	T	49	U	T	9.9	U	T	9.9	U	T	9.9	U	T
GW-NB56-121604	10	U	T	10	U	T	50	U	T	10	U	T	10	U	T	10	U	T
GW-NB57A-121404	10	U	T	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T
GW-NB57B-121504	9.8	U	T	9.8	U	T	49	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-OA19-122104	11	U	T	11	U	T	53	U	T	11	U	T	11	U	T	11	U	T
GW-PL04-122204	11	U	T	11	U	T	53	U	T	11	U	T	11	U	T	11	U	T
GW-PL06-121504	10	U	T	10	U	T	50	U	T	10	U	T	10	U	T	10	U	T
GW-PZ3-121704	9.5	U	T	9.5	U	T	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-PZ4-121304	9.4	U	T	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-RR05-120904	9.5	U	T	9.5	U	T	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-SW07-121004	9.4	U	T	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS22-121304	9.4	U	T	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS23-121304	9.5	U	T	9.5	U	T	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-WS24-121504	9.4	U	T	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS25-121504	9.4	U	T	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T

Table H.16a Organics (Base Neutral Acids) in Groundwater (µg/L)

Sample ID	1,2-Dichlorobenzene			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS26-121504	9.4	U	T	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS27-121504	9.4	U	T	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS34-121404	9.4	U	T	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS7-121304	9.5	U	T	9.5	U	T	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T

Table H.16a Organics (Base Neutral Acids) in Groundwater (µg/L)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BD1-121704	56	U	T	11	U	T	11	U	T	11	U	T	11	U	T	56	U	T
GW-BD13-122804	56	U	T	11	U	T	11	U	T	11	U	T	11	U	T	56	U	T
GW-BD14-122904	53	U	T	11	U	T	11	U	T	11	U	T	11	U	T	53	U	T
GW-BD16-122204	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T	52	U	T
GW-BD2-121604	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T	52	U	T
GW-BD3-121704	48	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	48	U	T
GW-BD4-121704	55	U	T	11	U	T	11	U	T	11	U	T	11	U	T	55	U	T
GW-BD5-121504	56	U	T	11	U	T	11	U	T	11	U	T	11	U	T	56	U	T
GW-BD6-121404	51	U	T	10	U	T	10	U	T	10	U	T	10	U	T	51	U	T
GW-BD7-121504	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T	52	U	T
GW-BD8-122804	51	U	T	10	U	T	10	U	T	10	U	T	10	U	T	51	U	T
GW-BP17-122204	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	47	U	T
GW-BP22A-122804	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	47	U	T
GW-BP22B-122804	48	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	48	U	T
GW-CB02-121404	50	U	T	10	U	T	10	U	T	10	U	T	10	U	T	50	U	T
GW-DM02-122204	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T	52	U	T
GW-EP15-121004	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T	52	U	T
GW-EP16-121304	50	U	T	10	U	T	10	U	T	10	U	T	10	U	T	50	U	T
GW-EP20-121504	53	U	T	11	U	T	11	U	T	11	U	T	11	U	T	53	U	T
GW-FD3-121304	49	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	49	U	T
GW-FD7-122004	49	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	49	U	T
GW-LF08-122104	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T	52	U	T
GW-LF09-122004	48	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	48	U	T
GW-NB50-121604	49	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	49	U	T
GW-NB56-121604	50	U	T	10	U	T	10	U	T	10	U	T	10	U	T	50	U	T
GW-NB57A-121404	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T	52	U	T
GW-NB57B-121504	49	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	49	U	T
GW-OA19-122104	53	U	T	11	U	T	11	U	T	11	U	T	11	U	T	53	U	T
GW-PL04-122204	53	U	T	11	U	T	11	U	T	11	U	T	11	U	T	53	U	T
GW-PL06-121504	50	U	T	10	U	T	10	U	T	10	U	T	10	U	T	50	U	T
GW-PZ3-121704	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	47	U	T
GW-PZ4-121304	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	47	U	T
GW-RR05-120904	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	47	U	T
GW-SW07-121004	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	47	U	T
GW-WS22-121304	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	47	U	T
GW-WS23-121304	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	47	U	T
GW-WS24-121504	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	47	U	T
GW-WS25-121504	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	47	U	T

Table H.16a Organics (Base Neutral Acids) in Groundwater (µg/L)

Sample ID	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			2-Chlorophenol			2-Methylphenol			3,3'-Dichlorobenzidine		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS26-121504	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	47	U	T
GW-WS27-121504	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	47	U	T
GW-WS34-121404	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	47	U	T
GW-WS7-121304	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	47	U	T

Table H.16a Organics (Base Neutral Acids) in Groundwater (µg/L)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BD1-121704	11	U	T	56	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD13-122804	11	U	T	56	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD14-122904	11	U	T	53	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD16-122204	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD2-121604	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD3-121704	9.6	U	T	48	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T
GW-BD4-121704	11	U	T	55	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD5-121504	11	U	T	56	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD6-121404	10	U	T	51	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD7-121504	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD8-122804	10	U	T	51	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BP17-122204	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-BP22A-122804	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-BP22B-122804	9.7	U	T	48	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
GW-CB02-121404	10	U	T	50	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-DM02-122204	10	U	T	52	U	T	10	U	T	4	J	T	10	U	T	10	U	T
GW-EP15-121004	10	U	T	52	U	T	10	U	T	20		T	10	U	T	10	U	T
GW-EP16-121304	10	U	T	50	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-EP20-121504	11	U	T	53	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-FD3-121304	9.8	U	T	49	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-FD7-122004	9.8	U	T	49	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-LF08-122104	10	U	T	52	U	T	10	U	T	26		T	10	U	T	10	U	T
GW-LF09-122004	9.5	U	T	48	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-NB50-121604	9.9	U	T	49	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T
GW-NB56-121604	10	U	T	50	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-NB57A-121404	10	U	T	52	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-NB57B-121504	9.8	U	T	49	U	T	9.8	U	T	4.2	J	T	9.8	U	T	9.8	U	T
GW-OA19-122104	11	U	T	53	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-PL04-122204	11	U	T	53	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-PL06-121504	10	U	T	50	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-PZ3-121704	9.5	U	T	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-PZ4-121304	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-RR05-120904	9.5	U	T	47	U	T	9.5	U	T	6.3	J	T	9.5	U	T	9.5	U	T
GW-SW07-121004	9.4	U	T	47	U	T	9.4	U	T	9	J	T	9.4	U	T	9.4	U	T
GW-WS22-121304	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS23-121304	9.5	U	T	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-WS24-121504	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS25-121504	9.4	U	T	47	U	T	9.4	U	T	4.3	J	T	9.4	U	T	9.4	U	T

Table H.16a Organics (Base Neutral Acids) in Groundwater (µg/L)

Sample ID	4-Chloroaniline			Benzoic Acid			Bis(2-Chloroethyl) ether			Bis(2-Ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS26-121504	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS27-121504	9.4	U	T	47	U	T	9.4	U	T	4.5	J	T	9.4	U	T	9.4	U	T
GW-WS34-121404	9.4	U	T	47	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS7-121304	9.5	U	T	47	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T

Table H.16a Organics (Base Neutral Acids) in Groundwater (µg/L)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachlorobenzene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BD1-121704	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD13-122804	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD14-122904	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD16-122204	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD2-121604	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD3-121704	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T
GW-BD4-121704	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD5-121504	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD6-121404	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD7-121504	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD8-122804	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BP17-122204	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-BP22A-122804	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-BP22B-122804	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
GW-CB02-121404	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-DM02-122204	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-EP15-121004	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-EP16-121304	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-EP20-121504	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-FD3-121304	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-FD7-122004	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-LF08-122104	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-LF09-122004	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-NB50-121604	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T
GW-NB56-121604	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-NB57A-121404	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-NB57B-121504	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-OA19-122104	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-PL04-122204	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-PL06-121504	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-PZ3-121704	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-PZ4-121304	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-RR05-120904	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-SW07-121004	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS22-121304	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS23-121304	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-WS24-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS25-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T

Table H.16a Organics (Base Neutral Acids) in Groundwater (µg/L)

Sample ID	Diethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachlorobenzene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS26-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS27-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS34-121404	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS7-121304	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T

Table H.16a Organics (Base Neutral Acids) in Groundwater (µg/L)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BD1-121704	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD13-122804	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD14-122904	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD16-122204	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD2-121604	10	U	T	6.5	J	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD3-121704	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T
GW-BD4-121704	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD5-121504	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD6-121404	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD7-121504	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD8-122804	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BP17-122204	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-BP22A-122804	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-BP22B-122804	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
GW-CB02-121404	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-DM02-122204	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-EP15-121004	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-EP16-121304	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-EP20-121504	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-FD3-121304	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-FD7-122004	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-LF08-122104	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-LF09-122004	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-NB50-121604	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T
GW-NB56-121604	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-NB57A-121404	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-NB57B-121504	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-OA19-122104	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-PL04-122204	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-PL06-121504	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-PZ3-121704	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-PZ4-121304	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-RR05-120904	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-SW07-121004	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS22-121304	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS23-121304	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-WS24-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS25-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T

Table H.16a Organics (Base Neutral Acids) in Groundwater (µg/L)

Sample ID	Hexachlorocyclo pentadiene			Hexachloroethane			Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di- n-propylamine		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS26-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS27-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS34-121404	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS7-121304	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T

Table H.16a Organics (Base Neutral Acids) in Groundwater (µg/L)

Sample ID	N-Nitrosodi phenylamine			Pentachlorophenol			Phenol		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BD1-121704	11	U	T	56	U	T	11	U	T
GW-BD13-122804	11	U	T	56	U	T	11	U	T
GW-BD14-122904	11	U	T	53	U	T	11	U	T
GW-BD16-122204	10	U	T	52	U	T	10	U	T
GW-BD2-121604	10	U	T	52	U	T	10	U	T
GW-BD3-121704	9.6	U	T	48	U	T	9.6	U	T
GW-BD4-121704	11	U	T	55	U	T	11	U	T
GW-BD5-121504	11	U	T	56	U	T	11	U	T
GW-BD6-121404	10	U	T	51	U	T	10	U	T
GW-BD7-121504	10	U	T	52	U	T	9.8	J	T
GW-BD8-122804	10	U	T	51	U	T	2.1	J	T
GW-BP17-122204	9.4	U	T	47	U	T	9.4	U	T
GW-BP22A-122804	9.4	U	T	47	U	T	9.4	U	T
GW-BP22B-122804	9.7	U	T	48	U	T	9.7	U	T
GW-CB02-121404	10	U	T	50	U	T	10	U	T
GW-DM02-122204	10	U	T	52	U	T	10	U	T
GW-EP15-121004	10	U	T	52	U	T	10	U	T
GW-EP16-121304	10	U	T	50	U	T	10	U	T
GW-EP20-121504	11	U	T	53	U	T	11	U	T
GW-FD3-121304	9.8	U	T	49	U	T	9.8	U	T
GW-FD7-122004	9.8	U	T	49	U	T	9.8	U	T
GW-LF08-122104	10	U	T	52	U	T	10	U	T
GW-LF09-122004	9.5	U	T	48	U	T	9.5	U	T
GW-NB50-121604	9.9	U	T	49	U	T	9.9	U	T
GW-NB56-121604	10	U	T	50	U	T	10	U	T
GW-NB57A-121404	10	U	T	52	U	T	10	U	T
GW-NB57B-121504	9.8	U	T	49	U	T	9.8	U	T
GW-OA19-122104	11	U	T	53	U	T	11	U	T
GW-PL04-122204	11	U	T	53	U	T	11	U	T
GW-PL06-121504	10	U	T	50	U	T	10	U	T
GW-PZ3-121704	9.5	U	T	47	U	T	9.5	U	T
GW-PZ4-121304	9.4	U	T	47	U	T	9.4	U	T
GW-RR05-120904	9.5	U	T	47	U	T	9.5	U	T
GW-SW07-121004	9.4	U	T	47	U	T	9.4	U	T
GW-WS22-121304	9.4	U	T	47	U	T	9.4	U	T
GW-WS23-121304	9.5	U	T	47	U	T	9.5	U	T
GW-WS24-121504	9.4	U	T	47	U	T	9.4	U	T
GW-WS25-121504	9.4	U	T	47	U	T	9.4	U	T

Table H.16a Organics (Base Neutral Acids) in Groundwater (µg/L)

Sample ID	N-Nitrosodi phenylamine			Pentachlorophenol			Phenol		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS26-121504	9.4	U	T	47	U	T	9.4	U	T
GW-WS27-121504	9.4	U	T	47	U	T	9.4	U	T
GW-WS34-121404	9.4	U	T	47	U	T	9.4	U	T
GW-WS7-121304	9.5	U	T	47	U	T	9.5	U	T

Table H.16b Organics (Dioxins) in Groundwater (pg/L)

Sample ID	1,2,3,4,6,7,8-HPCDD			1,2,3,4,6,7,8-HpCDF			1,2,3,4,7,8,9-HpCDF			1,2,3,4,7,8-HXCDD			1,2,3,4,7,8-HXCDF			1,2,3,6,7,8-HxCDD		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GW-CB02-121404		U	0.27		U	0.27		U	0.28		U	0.38		U	0.26		U	0.36
Sample ID	**1,2,3,6,7,8-HxCDF**			**1,2,3,7,8,9-HxCDD**			**1,2,3,7,8,9-HxCDF**			**1,2,3,7,8-PeCDD**			**1,2,3,7,8-PeCDF**			**2,3,4,6,7,8-HxCDF**		
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL
GW-CB02-121404		U	0.24		U	0.36		U	0.31		U	0.25		U	0.25	0.37	QJ	0.26
Sample ID	**2,3,4,7,8-PeCDF**			**2,3,7,8-TCDD**			**2,3,7,8-TCDF**			**OCDD**			**OCDF**					
	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL	Result	Q	EQL			
GW-CB02-121404		U	0.22		U	0.48		U	0.46	4.7	BJ	0.41	1.1	QBJ	0.42			

Table H.16c Organics (Polycyclic Aromatic Hydrocarbons) in Groundwater (µg/L)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a) pyrene			Benzo(b) fluoranthene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BD1-121704	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD13-122804	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD14-122904	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD16-122204	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD2-121604	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD3-121704	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T
GW-BD4-121704	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD5-121504	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD6-121404	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD7-121504	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD8-122804	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BP17-122204	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-BP22A-122804	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-BP22B-122804	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
GW-CB02-121404	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-DM02-122204	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-EP15-121004	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-EP16-121304	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-EP20-121504	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-FD3-121304	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-FD7-122004	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-LF08-122104	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-LF09-122004	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-NB50-121604	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T
GW-NB56-121604	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-NB57A-121404	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-NB57B-121504	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-OA19-122104	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-PL04-122204	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-PL06-121504	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-PZ3-121704	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-PZ4-121304	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-RR05-120904	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-SW07-121004	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS22-121304	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS23-121304	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-WS24-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T

Table H.16c Organics (Polycyclic Aromatic Hydrocarbons) in Groundwater (µg/L)

Sample ID	Acenaphthene			Anthracene			Benzo(a) anthracene			Benzo(a) pyrene			Benzo(b) fluoranthene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS25-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS26-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS27-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS34-121404	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS7-121304	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T

Table H.16c Organics (Polycyclic Aromatic Hydrocarbons) in Groundwater (µg/L)

Sample ID	Benzo(k) fluoranthene			Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BD1-121704	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD13-122804	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD14-122904	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD16-122204	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD2-121604	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD3-121704	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T	9.6	U	T
GW-BD4-121704	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD5-121504	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-BD6-121404	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD7-121504	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BD8-122804	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-BP17-122204	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-BP22A-122804	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-BP22B-122804	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T	9.7	U	T
GW-CB02-121404	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-DM02-122204	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-EP15-121004	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-EP16-121304	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-EP20-121504	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-FD3-121304	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-FD7-122004	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-LF08-122104	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-LF09-122004	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-NB50-121604	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T	9.9	U	T
GW-NB56-121604	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-NB57A-121404	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-NB57B-121504	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T	9.8	U	T
GW-OA19-122104	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-PL04-122204	11	U	T	11	U	T	11	U	T	11	U	T	11	U	T
GW-PL06-121504	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-PZ3-121704	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-PZ4-121304	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-RR05-120904	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-SW07-121004	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS22-121304	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS23-121304	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T
GW-WS24-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T

Table H.16c Organics (Polycyclic Aromatic Hydrocarbons) in Groundwater (µg/L)

Sample ID	Benzo(k) fluoranthene			Chrysene			Dibenz(a,h) anthracene			Indeno(1,2,3-cd) pyrene			Pyrene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-WS25-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS26-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS27-121504	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS34-121404	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T	9.4	U	T
GW-WS7-121304	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T	9.5	U	T

Table H.16d Organics (Pesticides) in Groundwater (µg/L)

Sample ID	4,4'-DDD			4,4'-DDE			4,4'-DDT			Aldrin			Alpha-BHC			Chlordene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BP22A-122804	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.47	U	T
GW-BP22B-122804	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.47	U	T
GW-BR12JC-120804	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.49	U	T
GW-BR12RB-120804	0.053	U	T	0.053	U	T	0.053	U	T	0.053	U	T	0.053	U	T	0.53	U	T
GW-BR1JC-120604	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.47	U	T
GW-BR1RB-120704	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.47	U	T
GW-BR6OB-120704	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.49	U	T
GW-BR6RB-120704	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.48	U	T
GW-BR9JC-121404	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.47	U	T
GW-EP20-121504	0.052	U	T	0.052	U	T	0.052	U	T	0.052	U	T	0.052	U	T	0.52	U	T
GW-FD4-121404	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.48	U	T
GW-NB33-122104	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.47	U	T
GW-NB39-121504	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.48	U	T
GW-NB44-120604	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T	0.5	U	T
GW-NB54-122004	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.47	U	T
GW-NB61-122204	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.47	U	T
GW-NB67-120704	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.49	U	T

Sample ID	Dieldrin			Endosulfan I			Endosulfan II			Endrin			Gamma-BHC			Heptachlor		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BP22A-122804	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T
GW-BP22B-122804	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T
GW-BR12JC-120804	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T
GW-BR12RB-120804	0.053	U	T	0.053	U	T	0.053	U	T	0.053	U	T	0.053	U	T	0.053	U	T
GW-BR1JC-120604	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T
GW-BR1RB-120704	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T
GW-BR6OB-120704	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T
GW-BR6RB-120704	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T
GW-BR9JC-121404	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T
GW-EP20-121504	0.052	U	T	0.052	U	T	0.052	U	T	0.052	U	T	0.052	U	T	0.052	U	T
GW-FD4-121404	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T
GW-NB33-122104	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T
GW-NB39-121504	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T	0.048	U	T
GW-NB44-120604	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T	0.05	U	T
GW-NB54-122004	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T
GW-NB61-122204	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T	0.047	U	T
GW-NB67-120704	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T	0.049	U	T

Table H.16d Organics (Pesticides) in Groundwater (µg/L)

Sample ID	Heptachlor epoxide			Methoxychlor			Toxaphene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BP22A-122804	0.047	U	T	0.24	U	T	2.4	U	T
GW-BP22B-122804	0.047	U	T	0.24	U	T	2.4	U	T
GW-BR12JC-120804	0.049	U	T	0.25	U	T	2.5	U	T
GW-BR12RB-120804	0.053	U	T	0.26	U	T	2.6	U	T
GW-BR1JC-120604	0.047	U	T	0.24	U	T	2.4	U	T
GW-BR1RB-120704	0.047	U	T	0.24	U	T	2.4	U	T
GW-BR6OB-120704	0.049	U	T	0.25	U	T	2.5	U	T
GW-BR6RB-120704	0.048	U	T	0.24	U	T	2.4	U	T
GW-BR9JC-121404	0.047	U	T	0.24	U	T	2.4	U	T
GW-EP20-121504	0.052	U	T	0.26	U	T	2.6	U	T
GW-FD4-121404	0.048	U	T	0.24	U	T	2.4	U	T
GW-NB33-122104	0.047	U	T	0.24	U	T	2.4	U	T
GW-NB39-121504	0.048	U	T	0.24	U	T	2.4	U	T
GW-NB44-120604	0.05	U	T	0.25	U	T	2.5	U	T
GW-NB54-122004	0.047	U	T	0.24	U	T	2.4	U	T
GW-NB61-122204	0.047	U	T	0.24	U	T	2.4	U	T
GW-NB67-120704	0.049	U	T	0.24	U	T	2.4	U	T

Table H.16e Organics (Polychlorinated Biphenyls) in Groundwater (µg/L)

Sample ID	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BP22A-122804	0.94	U	T	1.9	U	T	0.94	U	T	0.94	U	T	0.94	U	T	0.94	U	T	0.94	U	T
GW-BP22B-122804	0.99	U	T	2	U	T	0.99	U	T	0.99	U	T	0.99	U	T	0.99	U	T	0.99	U	T
GW-BR12JC-120804	0.98	U	T	2	U	T	0.98	U	T	0.98	U	T	0.98	U	T	0.98	U	T	0.98	U	T
GW-BR12RB-120804	1.1	U	T	2.1	U	T	1.1	U	T	1.1	U	T	1.1	U	T	1.1	U	T	1.1	U	T
GW-BR1JC-120604	0.94	U	T	1.9	U	T	0.94	U	T	0.94	U	T	0.94	U	T	0.94	U	T	0.94	U	T
GW-BR1RB-120704	0.94	U	T	1.9	U	T	0.94	U	T	0.94	U	T	0.94	U	T	0.94	U	T	0.94	U	T
GW-BR6OB-120704	0.98	U	T	2	U	T	0.98	U	T	0.98	U	T	0.98	U	T	0.98	U	T	0.98	U	T
GW-BR6RB-120704	0.97	U	T	1.9	U	T	0.97	U	T	0.97	U	T	0.97	U	T	0.97	U	T	0.97	U	T
GW-BR9JC-121404	0.94	U	T	1.9	U	T	0.94	U	T	0.94	U	T	0.94	U	T	0.94	U	T	0.94	U	T
GW-EP20-121504	1.1	U	T	2.2	U	T	1.1	U	T	1.1	U	T	1.1	U	T	1.1	U	T	1.1	U	T
GW-FD4-121404	0.96	U	T	1.9	U	T	0.96	U	T	0.96	U	T	0.96	U	T	0.96	U	T	0.96	U	T
GW-NB33-122104	0.94	U	T	1.9	U	T	0.94	U	T	0.94	U	T	0.94	U	T	0.94	U	T	0.94	U	T
GW-NB39-121504	0.96	U	T	1.9	U	T	0.96	U	T	0.96	U	T	0.96	U	T	0.96	U	T	0.96	U	T
GW-NB44-120604	1	U	T	2	U	T	1	U	T	1	U	T	1	U	T	1	U	T	1	U	T
GW-NB54-122004	0.94	U	T	1.9	U	T	0.94	U	T	0.94	U	T	0.94	U	T	0.94	U	T	0.94	U	T
GW-NB61-122204	0.95	U	T	1.9	U	T	0.95	U	T	0.95	U	T	0.95	U	T	0.95	U	T	0.95	U	T
GW-NB67-120704	0.98	U	T	2	U	T	0.98	U	T	0.98	U	T	0.98	U	T	0.98	U	T	0.98	U	T

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Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
BR5-236-OL-GW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR10-32-39-GW-SS	5	U	T	5	U	T	5	U	T	37		T	22		T
BW-BR11-69-109-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR12-27-38-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR3-24-34-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR6-65-80-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR7-65-75-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR9-49-58-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BD1-121704	4.8	J	T	5	U	T	6.7		T	36		T	790		T
GW-BD13-122804	25	U	T	25	U	T	25	U	T	150		T	290		T
GW-BD14-122904	120	U	T	120	U	T	120	U	T	120	U	T	120	J	T
GW-BD16-122204	5	U	T	5	U	T	5	U	T	11		T	39		T
GW-BD2-121604	25000	U	T	25000	U	T	25000	U	T	25000	U	T	5100	J	T
GW-BD3-121704	5	U	T	5	U	T	1.8	J	T	9.6		T	82		T
GW-BD4-121704	5	U	T	5	U	T	5	U	T	11		T	120		T
GW-BD5-121504	25	U	T	25	U	T	25	U	T	26		T	34		T
GW-BD6-121404	24	=	T	5	U	T	2.7	J	T	610	=	T	560	=	T
GW-BD7-121504	5	U	T	5	U	T	5	U	T	6.9		T	3.9	J	T
GW-BD8-122804	5.8		T	5	U	T	1.4	J	T	2500	U	T	2500	U	T
GW-BP17-122204	25	U	T	25	U	T	25	U	T	130		T	11	J	T
GW-BP22A-122804	62	U	T	62	U	T	62	U	T	180		T	62	U	T
GW-BP22B-122804	16	U	T	16	U	T	16	U	T	11	J	T	16	U	T
GW-BR10JC-121304	5	U	T	5	U	T	5	U	T	38		T	28		T
GW-BR10OB-120804	5	U	T	5	U	T	5	U	T	7.7		T	6.4		T
GW-BR10RB-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR11JC-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR12JC-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR12RB-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR1JC-120604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR1JC-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR1RB-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR2JC-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR2RB-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR3JC-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR3OB-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR3RB-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR4JC-121404	120	U	T	120	U	T	120	U	T	58	J	T	26	J	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR4RB-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR5JC-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR5RB-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR6OB-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR6RB-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR7JC-121504	5	U	T	5	U	T	5	U	T	3.4	J	T	5	U	T
GW-BR7RB-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR8JC-120604	200	U	T	200	U	T	200	U	T	350		T	190	J	T
GW-BR8OB-120604	5	U	T	5	U	T	5	U	T	9.4		T	4.1	J	T
GW-BR8RB-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR9JC-121404	250	U	T	250	U	T	250	U	T	300	=	T	100	J	T
GW-CB02-121404	5	UJ	T	5	UJ	T	5	UJ	T	5	UJ	T	5	UJ	T
GW-DM02-122204	25	U	T	25	U	T	25	U	T	31		T	27		T
GW-EP15-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-EP16-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-EP20-121504	250	U	T	250	U	T	250	U	T	250	U	T	250	U	T
GW-FD1-120704	77	J	T	100	U	T	100	U	T	47	J	T	180		T
GW-FD2-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-FD3-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-FD4-121404	250	U	T	250	U	T	250	U	T	310	=	T	85	J	T
GW-FD5-121604	120	U	T	120	U	T	120	U	T	98	J	T	62	J	T
GW-FD6-121304	5	U	T	5	U	T	5	U	T	38		T	26		T
GW-FD7-122004	1200	U	T	1200	U	T	1200	U	T	1200	U	T	1200	U	T
GW-LF08-122104	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-LF09-122004	1000	U	T	1000	U	T	1000	U	T	1000	U	T	1000	U	T
GW-NB31-122104	50	U	T	50	U	T	50	U	T	87		T	33	J	T
GW-NB32-122004	25	U	T	25	U	T	25	U	T	12	J	T	22	J	T
GW-NB33-122104	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB34-120704	85	J	T	100	U	T	100	U	T	51	J	T	210		T
GW-NB35-122104	250	U	T	250	U	T	250	U	T	81	J	T	89	J	T
GW-NB36-122204	50	U	T	50	U	T	50	U	T	36	J	T	40	J	T
GW-NB38-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB39-121504	25	U	T	25	U	T	25	U	T	24	J	T	39		T
GW-NB44-120604	20	U	T	20	U	T	20	U	T	7.6	J	T	8.9	J	T
GW-NB46-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB50-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB54-122004	100	U	T	100	U	T	100	U	T	100	U	T	100	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB56-121604	5	U	T	5	U	T	5	U	T	5	U	T	1.1	J	T
GW-NB57A-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB57B-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB61-122204	5	U	T	5	U	T	5	U	T	12		T	5	U	T
GW-NB63-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB64-122104	2.2	J	T	5	U	T	5	U	T	78		T	49		T
GW-NB65-122004	5	U	T	5	U	T	5	U	T	1.3	J	T	1.5	J	T
GW-NB66-120604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB67-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB71-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB72-122104	1200	U	T	1200	U	T	1200	U	T	470	J	T	380	J	T
GW-NB73-122004	100	U	T	100	U	T	100	U	T	100	U	T	48	J	T
GW-NB74-121304	5	U	T	5	U	T	5	U	T	97	J	T	460		T
GW-NB77-122004	25	U	T	25	U	T	25	U	T	25	U	T	8.1	J	T
GW-NB78-122104	5	U	T	5	U	T	5	U	T	59		T	28		T
GW-NB79-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB80-121704	2.4	J	T	5	U	T	8.4		T	2.5	J	T	3.8	J	T
GW-NB81-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB82-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB83-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB84-120804	25	U	T	25	U	T	25	U	T	33		T	5	J	T
GW-NB85-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB86-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-OA19-122104	25	U	T	25	U	T	25	U	T	11	J	T	12	J	T
GW-OB1-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-OB2-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PL04-122204	62	U	T	62	U	T	62	U	T	31	J	T	28	J	T
GW-PL06-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PW16JC-121604	5	U	T	5	U	T	5	U	T	7.4		T	1.9	J	T
GW-PW16RB-121604	5	U	T	5	U	T	5	U	T	5.2		T	0.98	J	T
GW-PW19JC-121504	50	U	T	50	U	T	50	U	T	120		T	42	J	T
GW-PW19RB-121504	25	U	T	25	U	T	25	U	T	83		T	29		T
GW-PW6JC-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PW6RB-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PZ3-121704	6.9		T	5	U	T	5	U	T	210	J	T	240	J	T
GW-PZ4-121304	1.3	J	T	5	U	T	5	U	T	6.5		T	9.1		T
GW-RR05-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	1,1,1-Trichloroethane			1,1,2,2-Tetrachloroethane			1,1,2-Trichloroethane			1,1-Dichloroethane			1,1-Dichloroethene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-SW07-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS14-121604	120	U	T	120	U	T	120	U	T	120	U	T	120	U	T
GW-WS15-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS16-121604	10	U	T	10	U	T	10	U	T	5.2	J	T	10	U	T
GW-WS17B-121704	24		T	5	U	T	5	U	T	5	U	T	4.6	J	T
GW-WS22-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS23-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS24-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS25-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS26-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS27-121504	5	U	T	5	U	T	5	U	T	1.8	J	T	5	U	T
GW-WS28-121604	5	U	T	5	U	T	5	U	T	5.2		T	5	U	T
GW-WS29-121604	100	U	T	100	U	T	100	U	T	140		T	100	U	T
GW-WS30-121604	250	U	T	250	U	T	250	U	T	280		T	52	J	T
GW-WS31-121604	120	U	T	120	U	T	120	U	T	100	J	T	70	J	T
GW-WS32-121704	5	U	T	5	U	T	5	U	T	2.6	J	T	1.7	J	T
GW-WS34-121404	5	U	T	5	U	T	5	U	T	4.9	J	T	5	U	T
GW-WS7-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS8-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
NB-34-22-32-OL-GW-SS	85		T	5	U	T	5	U	T	48		T	220		T
PW-16-290-OL-GW	5	U	T	5	U	T	5	U	T	12		T	5.7		T
PW-19-207-227-GW-SS	5	U	T	5	U	T	5	U	T	38		T	12		T
PW-19-224-247-GW	5	U	T	5	U	T	5	U	T	24		T	11		T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	1,2,4-Trichlorobenzene			1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
BR5-236-OL-GW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR10-32-39-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR11-69-109-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR12-27-38-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR3-24-34-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR6-65-80-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR7-65-75-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR9-49-58-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BD1-121704	5	U	T	5	U	T	5	U	T	5.3		T	5	U	T
GW-BD13-122804	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-BD14-122904	120	U	T	120	U	T	120	U	T	120	U	T	120	U	T
GW-BD16-122204	5	U	T	5	U	T	5	U	T	1.1	J	T	5	U	T
GW-BD2-121604	25000	U	T	25000	U	T	25000	U	T	25000	U	T	25000	U	T
GW-BD3-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BD4-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BD5-121504	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-BD6-121404	5	U	T	5	U	T	5	U	T	7.7	=	T	5	U	T
GW-BD7-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BD8-122804	5	U	T	5	U	T	5	U	T	8.7		T	5	U	T
GW-BP17-122204	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-BP22A-122804	62	U	T	62	U	T	62	U	T	62	U	T	62	U	T
GW-BP22B-122804	16	U	T	16	U	T	16	U	T	16	U	T	16	U	T
GW-BR10JC-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR10OB-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR10RB-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR11JC-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR12JC-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR12RB-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR1JC-120604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR1JC-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR1RB-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR2JC-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR2RB-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR3JC-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR3OB-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR3RB-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR4JC-121404	120	U	T	120	U	T	120	U	T	120	U	T	120	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	1,2,4-Trichlorobenzene			1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR4RB-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR5JC-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR5RB-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR6OB-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR6RB-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR7JC-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR7RB-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR8JC-120604	200	U	T	200	U	T	200	U	T	200	U	T	200	U	T
GW-BR8OB-120604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR8RB-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR9JC-121404	250	U	T	250	U	T	250	U	T	250	U	T	250	U	T
GW-CB02-121404	5	UJ	T	5	UJ	T	5	UJ	T	5	UJ	T	5	UJ	T
GW-DM02-122204	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-EP15-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-EP16-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-EP20-121504	250	U	T	250	U	T	250	U	T	250	U	T	250	U	T
GW-FD1-120704	100	U	T	100	U	T	100	U	T	100	U	T	100	U	T
GW-FD2-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-FD3-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-FD4-121404	250	U	T	250	U	T	250	U	T	250	U	T	250	U	T
GW-FD5-121604	120	U	T	120	U	T	120	U	T	120	U	T	120	U	T
GW-FD6-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-FD7-122004	1200	U	T	1200	U	T	1200	U	T	1200	U	T	1200	U	T
GW-LF08-122104	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-LF09-122004	1000	U	T	1000	U	T	1000	U	T	1000	U	T	1000	U	T
GW-NB31-122104	50	U	T	50	U	T	50	U	T	50	U	T	50	U	T
GW-NB32-122004	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-NB33-122104	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB34-120704	100	U	T	100	U	T	100	U	T	100	U	T	100	U	T
GW-NB35-122104	250	U	T	250	U	T	250	U	T	250	U	T	250	U	T
GW-NB36-122204	50	U	T	50	U	T	50	U	T	50	U	T	50	U	T
GW-NB38-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB39-121504	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-NB44-120604	20	U	T	20	U	T	20	U	T	20	U	T	20	U	T
GW-NB46-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB50-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB54-122004	100	U	T	100	U	T	100	U	T	100	U	T	100	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	1,2,4-Trichlorobenzene			1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB56-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB57A-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB57B-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB61-122204	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB63-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB64-122104	5	U	T	5	U	T	5	U	T	1.1	J	T	5	U	T
GW-NB65-122004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB66-120604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB67-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB71-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB72-122104	1200	U	T	1200	U	T	1200	U	T	1200	U	T	1200	U	T
GW-NB73-122004	100	U	T	100	U	T	100	U	T	100	U	T	100	U	T
GW-NB74-121304	5	U	T	5	U	T	5	U	T	3.4	J	T	5	U	T
GW-NB77-122004	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-NB78-122104	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB79-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB80-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB81-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB82-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB83-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB84-120804	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-NB85-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB86-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-OA19-122104	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-OB1-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-OB2-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PL04-122204	62	U	T	62	U	T	62	U	T	62	U	T	62	U	T
GW-PL06-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PW16JC-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PW16RB-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PW19JC-121504	50	U	T	50	U	T	50	U	T	50	U	T	50	U	T
GW-PW19RB-121504	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-PW6JC-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PW6RB-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PZ3-121704	5	U	T	5	U	T	5	U	T	3.9	J	T	5	U	T
GW-PZ4-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-RR05-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	1,2,4-Trichlorobenzene			1,2-Dibromo-3-Chloro-Propane			1,2-Dibromoethane (EDB)			1,2-Dichloroethane			1,2-Dichloropropane		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-SW07-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS14-121604	120	U	T	120	U	T	120	U	T	120	U	T	120	U	T
GW-WS15-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS16-121604	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-WS17B-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS22-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS23-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS24-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS25-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS26-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS27-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS28-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS29-121604	100	U	T	100	U	T	100	U	T	100	U	T	100	U	T
GW-WS30-121604	250	U	T	250	U	T	250	U	T	250	U	T	250	U	T
GW-WS31-121604	120	U	T	120	U	T	120	U	T	120	U	T	120	U	T
GW-WS32-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS34-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS7-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS8-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
NB-34-22-32-OL-GW-SS	5	U	T	5	U	T	5	U	T	1.6	J	T	5	U	T
PW-16-290-OL-GW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
PW-19-207-227-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
PW-19-224-247-GW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	2-Butanone (MEK)			2-Hexanone			4-Methyl-2-pentanone			Acetone			Benzene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
BR5-236-OL-GW	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
BW-BR10-32-39-GW-SS	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
BW-BR11-69-109-GW-SS	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
BW-BR12-27-38-GW-SS	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
BW-BR3-24-34-GW-SS	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
BW-BR6-65-80-GW-SS	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
BW-BR7-65-75-GW-SS	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
BW-BR9-49-58-GW-SS	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BD1-121704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BD13-122804	50	U	T	50	U	T	50	U	T	50	U	T	25	U	T
GW-BD14-122904	250	U	T	250	U	T	250	U	T	250	U	T	120	U	T
GW-BD16-122204	10	U	T	10	U	T	10	U	T	52		T	5	U	T
GW-BD2-121604	50000	U	T	50000	U	T	50000	U	T	50000	U	T	25000	U	T
GW-BD3-121704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BD4-121704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BD5-121504	50	U	T	50	U	T	50	U	T	50	U	T	25	U	T
GW-BD6-121404	10	U	T	10	U	T	10	U	T	10	U	T	4.8	J	T
GW-BD7-121504	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BD8-122804	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BP17-122204	50	U	T	50	U	T	50	U	T	50	U	T	25	U	T
GW-BP22A-122804	120	U	T	120	U	T	120	U	T	120	U	T	62	U	T
GW-BP22B-122804	31	U	T	31	U	T	31	U	T	31	U	T	16	U	T
GW-BR10JC-121304	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR10OB-120804	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR10RB-121304	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR11JC-121304	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR12JC-120804	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR12RB-120804	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR1JC-120604	10	U	T	10	U	T	10	U	T	9.9		T	5	U	T
GW-BR1JC-121704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR1RB-120704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR2JC-120804	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR2RB-120804	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR3JC-120904	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR3OB-120804	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR3RB-120904	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR4JC-121404	250	U	T	250	U	T	250	U	T	250	U	T	120	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	2-Butanone (MEK)			2-Hexanone			4-Methyl-2-pentanone			Acetone			Benzene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR4RB-121004	10	U	T	10	U	T	10	U	T	10	UJ	T	5	U	T
GW-BR5JC-121304	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR5RB-121004	10	U	T	10	U	T	10	U	T	10	UJ	T	5	U	T
GW-BR6OB-120704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR6RB-120704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR7JC-121504	29		T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR7RB-121404	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR8JC-120604	400	U	T	400	U	T	400	U	T	400	U	T	200	U	T
GW-BR8OB-120604	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR8RB-120704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-BR9JC-121404	500	U	T	500	U	T	500	U	T	500	U	T	250	U	T
GW-CB02-121404	10	UJ	T	10	UJ	T	10	UJ	T	10	UJ	T	5	UJ	T
GW-DM02-122204	50	U	T	50	U	T	50	U	T	50	U	T	25	U	T
GW-EP15-121004	10	U	T	10	U	T	10	U	T	10	UJ	T	5	U	T
GW-EP16-121304	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-EP20-121504	500	U	T	500	U	T	500	U	T	500	U	T	250	U	T
GW-FD1-120704	200	U	T	200	U	T	200	U	T	200	U	T	100	U	T
GW-FD2-121304	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-FD3-121304	10	U	T	10	U	T	10	U	T	16		T	5	U	T
GW-FD4-121404	500	U	T	500	U	T	500	U	T	500	U	T	250	U	T
GW-FD5-121604	250	U	T	250	U	T	250	U	T	250	U	T	120	U	T
GW-FD6-121304	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-FD7-122004	2500	U	T	2500	U	T	2500	U	T	2500	U	T	1200	U	T
GW-LF08-122104	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-LF09-122004	2000	U	T	2000	U	T	2000	U	T	2000	U	T	1000	U	T
GW-NB31-122104	100	U	T	100	U	T	100	U	T	100	U	T	50	U	T
GW-NB32-122004	50	U	T	50	U	T	50	U	T	50	U	T	25	U	T
GW-NB33-122104	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB34-120704	200	U	T	200	U	T	200	U	T	76	J	T	100	U	T
GW-NB35-122104	500	U	T	500	U	T	500	U	T	500	U	T	250	U	T
GW-NB36-122204	100	U	T	100	U	T	100	U	T	100	U	T	50	U	T
GW-NB38-120904	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB39-121504	50	U	T	50	U	T	50	U	T	50	U	T	25	U	T
GW-NB44-120604	40	U	T	40	U	T	40	U	T	40	U	T	20	U	T
GW-NB46-121004	10	U	T	10	U	T	10	U	T	10	UJ	T	5	U	T
GW-NB50-121604	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB54-122004	200	U	T	200	U	T	200	U	T	200	U	T	100	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	2-Butanone (MEK)			2-Hexanone			4-Methyl-2-pentanone			Acetone			Benzene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB56-121604	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB57A-121404	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB57B-121504	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB61-122204	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB63-120704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB64-122104	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB65-122004	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB66-120604	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB67-120704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB71-121304	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB72-122104	2500	U	T	2500	U	T	2500	U	T	2500	U	T	1200	U	T
GW-NB73-122004	200	U	T	200	U	T	200	U	T	200	U	T	100	U	T
GW-NB74-121304	10	U	T	10	U	T	10	U	T	10	U	T	1.3	J	T
GW-NB77-122004	50	U	T	50	U	T	50	U	T	50	U	T	25	U	T
GW-NB78-122104	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB79-121704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB80-121704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB81-120904	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB82-121004	10	U	T	10	U	T	10	U	T	10	UJ	T	5	U	T
GW-NB83-120904	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB84-120804	50	U	T	50	U	T	50	U	T	50	U	T	25	U	T
GW-NB85-120804	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-NB86-120804	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-OA19-122104	50	U	T	50	U	T	50	U	T	50	U	T	25	U	T
GW-OB1-121404	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-OB2-121404	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-PL04-122204	120	U	T	120	U	T	120	U	T	120	U	T	62	U	T
GW-PL06-121504	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-PW16JC-121604	150		T	10	U	T	10	U	T	16		T	5	U	T
GW-PW16RB-121604	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-PW19JC-121504	100	U	T	100	U	T	100	U	T	100	U	T	50	U	T
GW-PW19RB-121504	50	U	T	50	U	T	50	U	T	50	U	T	25	U	T
GW-PW6JC-121604	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-PW6RB-121704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-PZ3-121704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-PZ4-121304	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-RR05-120904	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	2-Butanone (MEK)			2-Hexanone			4-Methyl-2-pentanone			Acetone			Benzene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-SW07-121004	10	U	T	10	U	T	10	U	T	10	UJ	T	5	U	T
GW-WS14-121604	250	U	T	250	U	T	250	U	T	250	U	T	120	U	T
GW-WS15-121604	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-WS16-121604	20	U	T	20	U	T	20	U	T	20	U	T	10	U	T
GW-WS17B-121704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-WS22-121304	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-WS23-121304	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-WS24-121504	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-WS25-121504	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-WS26-121504	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-WS27-121504	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-WS28-121604	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-WS29-121604	200	U	T	200	U	T	200	U	T	200	U	T	100	U	T
GW-WS30-121604	500	U	T	500	U	T	500	U	T	500	U	T	250	U	T
GW-WS31-121604	250	U	T	250	U	T	250	U	T	250	U	T	120	U	T
GW-WS32-121704	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-WS34-121404	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-WS7-121304	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
GW-WS8-120904	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
NB-34-22-32-OL-GW-SS	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
PW-16-290-OL-GW	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
PW-19-207-227-GW-SS	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T
PW-19-224-247-GW	10	U	T	10	U	T	10	U	T	10	U	T	5	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	Bromodichloro methane			Bromoform			Bromomethane			Carbon disulfide			Carbon tetrachloride		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
BR5-236-OL-GW	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
BW-BR10-32-39-GW-SS	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
BW-BR11-69-109-GW-SS	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
BW-BR12-27-38-GW-SS	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
BW-BR3-24-34-GW-SS	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
BW-BR6-65-80-GW-SS	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
BW-BR7-65-75-GW-SS	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
BW-BR9-49-58-GW-SS	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BD1-121704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BD13-122804	25	U	T	25	U	T	50	U	T	25	U	T	25	U	T
GW-BD14-122904	120	U	T	120	U	T	250	U	T	120	U	T	120	U	T
GW-BD16-122204	5	U	T	5	U	T	10	U	T	5.1		T	5	U	T
GW-BD2-121604	25000	U	T	25000	U	T	50000	U	T	25000	U	T	25000	U	T
GW-BD3-121704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BD4-121704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BD5-121504	25	U	T	25	U	T	50	U	T	25	U	T	25	U	T
GW-BD6-121404	5	UJ	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BD7-121504	5	U	T	5	U	T	10	U	T	1.1	J	T	5	U	T
GW-BD8-122804	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BP17-122204	25	U	T	25	U	T	50	U	T	25	U	T	25	U	T
GW-BP22A-122804	62	U	T	62	U	T	120	U	T	62	U	T	62	U	T
GW-BP22B-122804	16	U	T	16	U	T	31	U	T	16	U	T	16	U	T
GW-BR10JC-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR10OB-120804	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR10RB-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR11JC-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR12JC-120804	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR12RB-120804	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR1JC-120604	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR1JC-121704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR1RB-120704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR2JC-120804	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR2RB-120804	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR3JC-120904	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR3OB-120804	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR3RB-120904	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR4JC-121404	120	U	T	120	U	T	250	U	T	120	U	T	120	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	Bromodichloro methane			Bromoform			Bromomethane			Carbon disulfide			Carbon tetrachloride		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR4RB-121004	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR5JC-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR5RB-121004	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR6OB-120704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR6RB-120704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR7JC-121504	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR7RB-121404	5	UJ	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR8JC-120604	200	U	T	200	U	T	400	U	T	200	U	T	200	U	T
GW-BR8OB-120604	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR8RB-120704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-BR9JC-121404	250	UJ	T	250	U	T	500	U	T	250	U	T	250	U	T
GW-CB02-121404	5	UJ	T	5	UJ	T	10	UJ	T	1	J	T	5	UJ	T
GW-DM02-122204	25	U	T	25	U	T	50	U	T	8	J	T	25	U	T
GW-EP15-121004	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-EP16-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-EP20-121504	250	U	T	250	U	T	500	U	T	250	U	T	250	U	T
GW-FD1-120704	100	U	T	100	U	T	200	U	T	100	U	T	100	U	T
GW-FD2-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-FD3-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-FD4-121404	250	UJ	T	250	U	T	500	U	T	250	U	T	250	U	T
GW-FD5-121604	120	U	T	120	U	T	250	U	T	120	U	T	120	U	T
GW-FD6-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-FD7-122004	1200	U	T	1200	U	T	2500	U	T	1200	U	T	1200	U	T
GW-LF08-122104	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-LF09-122004	1000	U	T	1000	U	T	2000	U	T	1000	U	T	1000	U	T
GW-NB31-122104	50	U	T	50	U	T	100	U	T	50	U	T	50	U	T
GW-NB32-122004	25	U	T	25	U	T	50	U	T	25	U	T	25	U	T
GW-NB33-122104	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB34-120704	100	U	T	100	U	T	200	U	T	100	U	T	100	U	T
GW-NB35-122104	250	U	T	250	U	T	500	U	T	250	U	T	250	U	T
GW-NB36-122204	50	U	T	50	U	T	100	U	T	50	U	T	50	U	T
GW-NB38-120904	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB39-121504	25	U	T	25	U	T	50	U	T	25	U	T	25	U	T
GW-NB44-120604	20	U	T	20	U	T	40	U	T	20	U	T	20	U	T
GW-NB46-121004	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB50-121604	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB54-122004	100	U	T	100	U	T	200	U	T	100	U	T	100	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	Bromodichloro methane			Bromoform			Bromomethane			Carbon disulfide			Carbon tetrachloride		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB56-121604	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB57A-121404	5	UJ	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB57B-121504	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB61-122204	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB63-120704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB64-122104	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB65-122004	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB66-120604	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB67-120704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB71-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB72-122104	1200	U	T	1200	U	T	2500	U	T	1200	U	T	1200	U	T
GW-NB73-122004	100	U	T	100	U	T	200	U	T	100	U	T	100	U	T
GW-NB74-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB77-122004	25	U	T	25	U	T	50	U	T	25	U	T	25	U	T
GW-NB78-122104	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB79-121704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB80-121704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB81-120904	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB82-121004	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB83-120904	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB84-120804	25	U	T	25	U	T	50	U	T	25	U	T	25	U	T
GW-NB85-120804	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-NB86-120804	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-OA19-122104	25	U	T	25	U	T	50	U	T	25	U	T	25	U	T
GW-OB1-121404	5	UJ	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-OB2-121404	5	UJ	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-PL04-122204	62	U	T	62	U	T	120	U	T	62	U	T	62	U	T
GW-PL06-121504	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-PW16JC-121604	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-PW16RB-121604	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-PW19JC-121504	50	U	T	50	U	T	100	U	T	50	U	T	50	U	T
GW-PW19RB-121504	25	U	T	25	U	T	50	U	T	25	U	T	25	U	T
GW-PW6JC-121604	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-PW6RB-121704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-PZ3-121704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-PZ4-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-RR05-120904	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	Bromodichloro methane			Bromoform			Bromomethane			Carbon disulfide			Carbon tetrachloride		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-SW07-121004	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-WS14-121604	120	U	T	120	U	T	250	U	T	120	U	T	120	U	T
GW-WS15-121604	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-WS16-121604	10	U	T	10	U	T	20	U	T	10	U	T	10	U	T
GW-WS17B-121704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-WS22-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-WS23-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-WS24-121504	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-WS25-121504	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-WS26-121504	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-WS27-121504	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-WS28-121604	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-WS29-121604	100	U	T	100	U	T	200	U	T	100	U	T	100	U	T
GW-WS30-121604	250	U	T	250	U	T	500	U	T	250	U	T	250	U	T
GW-WS31-121604	120	U	T	120	U	T	250	U	T	120	U	T	120	U	T
GW-WS32-121704	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-WS34-121404	5	UJ	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-WS7-121304	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
GW-WS8-120904	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
NB-34-22-32-OL-GW-SS	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
PW-16-290-OL-GW	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
PW-19-207-227-GW-SS	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T
PW-19-224-247-GW	5	U	T	5	U	T	10	U	T	5	U	T	5	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	Chlorobenzene			Chloroethane			Chloroform			Chloromethane			cis-1,2-Dichloroethene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
BR5-236-OL-GW	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
BW-BR10-32-39-GW-SS	5	U	T	6.5	J	T	5	U	T	10	U	T	190		T
BW-BR11-69-109-GW-SS	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
BW-BR12-27-38-GW-SS	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
BW-BR3-24-34-GW-SS	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
BW-BR6-65-80-GW-SS	5	U	T	10	U	T	5	U	T	1.3	J	T	5	U	T
BW-BR7-65-75-GW-SS	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
BW-BR9-49-58-GW-SS	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BD1-121704	5	U	T	10	U	T	6.1		T	10	U	T	7.2		T
GW-BD13-122804	25	U	T	50	U	T	25	U	T	50	U	T	520		T
GW-BD14-122904	120	U	T	250	U	T	120	U	T	250	U	T	250		T
GW-BD16-122204	5	U	T	10	U	T	5	U	T	10	U	T	3.2	J	T
GW-BD2-121604	25000	U	T	50000	U	T	25000	U	T	50000	U	T	25000	U	T
GW-BD3-121704	5	U	T	10	U	T	1.5	J	T	10	U	T	1.7	J	T
GW-BD4-121704	5	U	T	10	U	T	5	U	T	10	U	T	56		T
GW-BD5-121504	25	U	T	50	U	T	25	U	T	50	U	T	100		T
GW-BD6-121404	5	U	T	10	U	T	6.8	=	T	10	U	T	19000	=	T
GW-BD7-121504	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BD8-122804	5	U	T	10	U	T	2	J	T	10	U	T	7200		T
GW-BP17-122204	25	U	T	50	U	T	25	U	T	50	U	T	340		T
GW-BP22A-122804	62	U	T	52	J	T	62	U	T	120	U	T	550		T
GW-BP22B-122804	16	U	T	31	U	T	16	U	T	31	U	T	55		T
GW-BR10JC-121304	5	U	T	10	U	T	5	U	T	10	U	T	180		T
GW-BR10OB-120804	5	U	T	10	U	T	5	U	T	10	U	T	50		T
GW-BR10RB-121304	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR11JC-121304	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR12JC-120804	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR12RB-120804	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR1JC-120604	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR1JC-121704	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR1RB-120704	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR2JC-120804	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR2RB-120804	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR3JC-120904	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR3OB-120804	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR3RB-120904	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR4JC-121404	120	U	T	250	U	T	120	U	T	250	U	T	52	J	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	Chlorobenzene			Chloroethane			Chloroform			Chloromethane			cis-1,2-Dichloroethene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR4RB-121004	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR5JC-121304	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR5RB-121004	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR6OB-120704	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR6RB-120704	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR7JC-121504	5	U	T	10	U	T	5	U	T	10	U	T	7.8		T
GW-BR7RB-121404	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR8JC-120604	200	U	T	400	U	T	200	U	T	400	U	T	2400		T
GW-BR8OB-120604	5	U	T	10	U	T	5	U	T	10	U	T	220		T
GW-BR8RB-120704	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-BR9JC-121404	250	U	T	500	U	T	250	U	T	500	U	T	1400	=	T
GW-CB02-121404	5	UJ	T	10	UJ	T	5	UJ	T	10	UJ	T	5	UJ	T
GW-DM02-122204	25	U	T	50	U	T	25	U	T	50	U	T	240		T
GW-EP15-121004	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-EP16-121304	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-EP20-121504	250	U	T	500	U	T	250	U	T	500	U	T	250	U	T
GW-FD1-120704	100	U	T	200	U	T	100	U	T	200	U	T	68	J	T
GW-FD2-121304	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-FD3-121304	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-FD4-121404	250	U	T	500	U	T	250	U	T	500	U	T	1400	=	T
GW-FD5-121604	120	U	T	250	U	T	120	U	T	250	U	T	730		T
GW-FD6-121304	5	U	T	10	U	T	5	U	T	10	U	T	180		T
GW-FD7-122004	1200	U	T	2500	U	T	1200	U	T	2500	U	T	280	J	T
GW-LF08-122104	5	U	T	10	U	T	5	U	T	10	U	T	2	J	T
GW-LF09-122004	1000	U	T	2000	U	T	1000	U	T	2000	U	T	260	J	T
GW-NB31-122104	50	U	T	100	U	T	50	U	T	100	U	T	280		T
GW-NB32-122004	25	U	T	50	U	T	25	U	T	50	U	T	170		T
GW-NB33-122104	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB34-120704	100	U	T	200	U	T	100	U	T	200	U	T	72	J	T
GW-NB35-122104	250	U	T	500	U	T	250	U	T	500	U	T	870		T
GW-NB36-122204	50	U	T	100	U	T	50	U	T	100	U	T	290		T
GW-NB38-120904	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB39-121504	25	U	T	50	U	T	25	U	T	50	U	T	190		T
GW-NB44-120604	20	U	T	40	U	T	20	U	T	40	U	T	38		T
GW-NB46-121004	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB50-121604	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB54-122004	100	U	T	200	U	T	100	U	T	200	U	T	100	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	Chlorobenzene			Chloroethane			Chloroform			Chloromethane			cis-1,2-Dichloroethene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB56-121604	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB57A-121404	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB57B-121504	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB61-122204	5	U	T	10	U	T	5	U	T	10	U	T	1.4	J	T
GW-NB63-120704	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB64-122104	5	U	T	10	U	T	5	U	T	10	U	T	830		T
GW-NB65-122004	5	U	T	10	U	T	5	U	T	10	U	T	3.5	J	T
GW-NB66-120604	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB67-120704	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB71-121304	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB72-122104	1200	U	T	2500	U	T	1200	U	T	2500	U	T	3700		T
GW-NB73-122004	100	U	T	200	U	T	100	U	T	200	U	T	30	J	T
GW-NB74-121304	5	U	T	10	U	T	5	U	T	10	U	T	260		T
GW-NB77-122004	25	U	T	50	U	T	25	U	T	50	U	T	13	J	T
GW-NB78-122104	5	U	T	10	U	T	5	U	T	10	U	T	870		T
GW-NB79-121704	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB80-121704	5	U	T	10	U	T	5	U	T	10	U	T	32		T
GW-NB81-120904	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB82-121004	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB83-120904	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB84-120804	25	U	T	50	U	T	25	U	T	50	U	T	93		T
GW-NB85-120804	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-NB86-120804	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-OA19-122104	25	U	T	50	U	T	25	U	T	50	U	T	250		T
GW-OB1-121404	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-OB2-121404	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-PL04-122204	62	U	T	120	U	T	62	U	T	120	U	T	340		T
GW-PL06-121504	5	U	T	10	U	T	5	U	T	10	U	T	2.1	J	T
GW-PW16JC-121604	5	U	T	10	U	T	5	U	T	10	U	T	26		T
GW-PW16RB-121604	5	U	T	10	U	T	5	U	T	10	U	T	17		T
GW-PW19JC-121504	50	U	T	100	U	T	50	U	T	100	U	T	460		T
GW-PW19RB-121504	25	U	T	50	U	T	25	U	T	50	U	T	350		T
GW-PW6JC-121604	5	U	T	10	U	T	5	U	T	10	U	T	1.9	J	T
GW-PW6RB-121704	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-PZ3-121704	5	U	T	10	U	T	5	U	T	10	U	T	1900		T
GW-PZ4-121304	5	U	T	10	U	T	5	U	T	10	U	T	170		T
GW-RR05-120904	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	Chlorobenzene			Chloroethane			Chloroform			Chloromethane			cis-1,2-Dichloroethene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-SW07-121004	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-WS14-121604	120	U	T	250	U	T	120	U	T	250	U	T	800		T
GW-WS15-121604	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-WS16-121604	10	U	T	20	U	T	10	U	T	20	U	T	5.6	J	T
GW-WS17B-121704	5	U	T	10	U	T	5	U	T	10	U	T	1	J	T
GW-WS22-121304	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-WS23-121304	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-WS24-121504	5	U	T	10	U	T	5	U	T	10	U	T	9.4		T
GW-WS25-121504	5	U	T	10	U	T	5	U	T	10	U	T	13		T
GW-WS26-121504	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-WS27-121504	5	U	T	10	U	T	5	U	T	10	U	T	9.9		T
GW-WS28-121604	5	U	T	10	U	T	5	U	T	10	U	T	4.8	J	T
GW-WS29-121604	100	U	T	200	U	T	100	U	T	200	U	T	1100		T
GW-WS30-121604	250	U	T	500	U	T	250	U	T	500	U	T	2100		T
GW-WS31-121604	120	U	T	250	U	T	120	U	T	250	U	T	770		T
GW-WS32-121704	5	U	T	10	U	T	5	U	T	10	U	T	23		T
GW-WS34-121404	5	U	T	10	U	T	5	U	T	10	U	T	13	=	T
GW-WS7-121304	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
GW-WS8-120904	5	U	T	10	U	T	5	U	T	10	U	T	5	U	T
NB-34-22-32-OL-GW-SS	5	U	T	10	U	T	1.1	J	T	10	U	T	71		T
PW-16-290-OL-GW	5	U	T	10	U	T	5	U	T	10	U	T	51		T
PW-19-207-227-GW-SS	5	U	T	4.4	J	T	5	U	T	10	U	T	210		T
PW-19-224-247-GW	5	U	T	3	J	T	5	U	T	10	U	T	110		T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
BR5-236-OL-GW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR10-32-39-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR11-69-109-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR12-27-38-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR3-24-34-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR6-65-80-GW-SS	5	U	T	5	U	T	5	U	T	3.8	J	T	5	U	T
BW-BR7-65-75-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR9-49-58-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BD1-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BD13-122804	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-BD14-122904	120	U	T	120	U	T	120	U	T	120	U	T	120	U	T
GW-BD16-122204	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BD2-121604	25000	U	T	25000	U	T	25000	U	T	25000	U	T	25000	U	T
GW-BD3-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BD4-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BD5-121504	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-BD6-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BD7-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BD8-122804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BP17-122204	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-BP22A-122804	62	U	T	62	U	T	62	U	T	62	U	T	62	U	T
GW-BP22B-122804	16	U	T	16	U	T	16	U	T	16	U	T	16	U	T
GW-BR10JC-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR10OB-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR10RB-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR11JC-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR12JC-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR12RB-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR1JC-120604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR1JC-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR1RB-120704	5	U	T	5	U	T	5	U	T	3.1	J	T	5	U	T
GW-BR2JC-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR2RB-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR3JC-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR3OB-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR3RB-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR4JC-121404	120	U	T	120	U	T	120	U	T	120	U	T	120	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR4RB-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR5JC-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR5RB-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR6OB-120704	5	U	T	5	U	T	5	U	T	2.6	J	T	5	U	T
GW-BR6RB-120704	5	U	T	5	U	T	5	U	T	3.1	J	T	5	U	T
GW-BR7JC-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR7RB-121404	5	U	T	5	U	T	5	U	T	7.6	B	T	5	U	T
GW-BR8JC-120604	200	U	T	200	U	T	200	U	T	200	U	T	200	U	T
GW-BR8OB-120604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR8RB-120704	5	U	T	5	U	T	5	U	T	4	J	T	5	U	T
GW-BR9JC-121404	250	U	T	250	U	T	250	U	T	250	U	T	250	U	T
GW-CB02-121404	5	UJ	T	5	UJ	T	5	UJ	T	5	UJ	T	5	UJ	T
GW-DM02-122204	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-EP15-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-EP16-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-EP20-121504	250	U	T	250	U	T	250	U	T	250	U	T	250	U	T
GW-FD1-120704	100	U	T	100	U	T	100	U	T	74	J	T	100	U	T
GW-FD2-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-FD3-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-FD4-121404	250	U	T	250	U	T	250	U	T	250	U	T	250	U	T
GW-FD5-121604	120	U	T	120	U	T	120	U	T	120	U	T	120	U	T
GW-FD6-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-FD7-122004	1200	U	T	1200	U	T	1200	U	T	1600		T	1200	U	T
GW-LF08-122104	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-LF09-122004	1000	U	T	1000	U	T	1000	U	T	1200		T	1000	U	T
GW-NB31-122104	50	U	T	50	U	T	50	U	T	50	U	T	50	U	T
GW-NB32-122004	25	U	T	25	U	T	25	U	T	19	J	T	25	U	T
GW-NB33-122104	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB34-120704	100	U	T	100	U	T	100	U	T	74	J	T	100	U	T
GW-NB35-122104	250	U	T	250	U	T	250	U	T	250	U	T	250	U	T
GW-NB36-122204	50	U	T	50	U	T	50	U	T	50	U	T	50	U	T
GW-NB38-120904	5	U	T	5	U	T	5	U	T	2.5		T	5	U	T
GW-NB39-121504	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-NB44-120604	20	U	T	20	U	T	20	U	T	20	U	T	20	U	T
GW-NB46-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB50-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB54-122004	100	U	T	100	U	T	100	U	T	100	U	T	100	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB56-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB57A-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB57B-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB61-122204	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB63-120704	5	U	T	5	U	T	5	U	T	3.9	J	T	5	U	T
GW-NB64-122104	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB65-122004	5	U	T	5	U	T	5	U	T	12		T	5	U	T
GW-NB66-120604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB67-120704	5	U	T	5	U	T	5	U	T	4.3	J	T	5	U	T
GW-NB71-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB72-122104	1200	U	T	1200	U	T	1200	U	T	1200	U	T	1200	U	T
GW-NB73-122004	100	U	T	100	U	T	100	U	T	180		T	100	U	T
GW-NB74-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB77-122004	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-NB78-122104	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB79-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB80-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB81-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB82-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB83-120904	5	U	T	5	U	T	5	U	T	4.5		T	5	U	T
GW-NB84-120804	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-NB85-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB86-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-OA19-122104	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-OB1-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-OB2-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PL04-122204	62	U	T	62	U	T	62	U	T	62	U	T	62	U	T
GW-PL06-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PW16JC-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PW16RB-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PW19JC-121504	50	U	T	50	U	T	50	U	T	50	U	T	50	U	T
GW-PW19RB-121504	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-PW6JC-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PW6RB-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PZ3-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PZ4-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-RR05-120904	5	U	T	5	U	T	5	U	T	2.8	JB	T	5	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	cis-1,3-Dichloropropene			Dibromochloro methane			Ethylbenzene			Methylene chloride			m-Xylene & p-Xylene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-SW07-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS14-121604	120	U	T	120	U	T	120	U	T	120	U	T	120	U	T
GW-WS15-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS16-121604	10	U	T	10	U	T	10	U	T	10	U	T	10	U	T
GW-WS17B-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS22-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS23-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS24-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS25-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS26-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS27-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS28-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS29-121604	100	U	T	100	U	T	100	U	T	100	U	T	100	U	T
GW-WS30-121604	250	U	T	250	U	T	250	U	T	250	U	T	250	U	T
GW-WS31-121604	120	U	T	120	U	T	120	U	T	120	U	T	120	U	T
GW-WS32-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS34-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS7-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS8-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
NB-34-22-32-OL-GW-SS	5	U	T	5	U	T	5	U	T	2.7		T	5	U	T
PW-16-290-OL-GW	5	U	T	5	U	T	5	U	T	2.4	J	T	5	U	T
PW-19-207-227-GW-SS	5	U	T	5	U	T	5	U	T	1.9	J	T	5	U	T
PW-19-224-247-GW	5	U	T	5	U	T	5	U	T	1.8	J	T	5	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	O-Xylene			Styrene			Tetrachloroethylene			Toluene			trans-1,2-Dichloroethene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
BR5-236-OL-GW	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR10-32-39-GW-SS	5	U	T	5	U	T	150		T	5	U	T	5	U	T
BW-BR11-69-109-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR12-27-38-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR3-24-34-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR6-65-80-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
BW-BR7-65-75-GW-SS	5	U	T	5	U	T	5	U	T	1.4	J	T	5	U	T
BW-BR9-49-58-GW-SS	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BD1-121704	5	U	T	5	U	T	4900		T	5	U	T	5	U	T
GW-BD13-122804	25	U	T	25	U	T	900		T	25	U	T	630		T
GW-BD14-122904	120	U	T	120	U	T	2100		T	120	U	T	100	J	T
GW-BD16-122204	5	U	T	5	U	T	2.9	J	T	5	U	T	5	U	T
GW-BD2-121604	25000	U	T	25000	U	T	200000		T	25000	U	T	25000	U	T
GW-BD3-121704	5	U	T	5	U	T	3000		T	5	U	T	5	U	T
GW-BD4-121704	5	U	T	5	U	T	1200		T	5	U	T	6.4		T
GW-BD5-121504	25	U	T	25	U	T	190		T	25	U	T	25	U	T
GW-BD6-121404	3.7	J	T	5	U	T	2100	=	T	2.8	U	T	170	J	T
GW-BD7-121504	5	U	T	5	U	T	8.7		T	1.7	J	T	5	U	T
GW-BD8-122804	5	U	T	5	U	T	1400	J	T	5	U	T	52		T
GW-BP17-122204	25	U	T	25	U	T	25	U	T	25	U	T	17	J	T
GW-BP22A-122804	62	U	T	62	U	T	420		T	62	U	T	30	J	T
GW-BP22B-122804	16	U	T	16	U	T	270		T	16	U	T	16	U	T
GW-BR10JC-121304	5	U	T	5	U	T	160		T	5	U	T	3.1	J	T
GW-BR10OB-120804	5	U	T	5	U	T	110		T	5	U	T	1.4	J	T
GW-BR10RB-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR11JC-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR12JC-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR12RB-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR1JC-120604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR1JC-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR1RB-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR2JC-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR2RB-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR3JC-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR3OB-120804	5	U	T	5	U	T	20		T	5	U	T	5	U	T
GW-BR3RB-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR4JC-121404	120	U	T	120	U	T	1700		T	120	U	T	120	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	O-Xylene			Styrene			Tetrachloroethylene			Toluene			trans-1,2-Dichloroethene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR4RB-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR5JC-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR5RB-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR6OB-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR6RB-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR7JC-121504	5	U	T	5	U	T	6		T	5	U	T	5	U	T
GW-BR7RB-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR8JC-120604	200	U	T	200	U	T	530		T	200	U	T	200	U	T
GW-BR8OB-120604	5	U	T	5	U	T	40		T	5	U	T	3.1	J	T
GW-BR8RB-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-BR9JC-121404	250	U	T	250	U	T	1000	=	T	250	U	T	250	U	T
GW-CB02-121404	5	UJ	T	5	UJ	T	5	UJ	T	5	UJ	T	5	UJ	T
GW-DM02-122204	25	U	T	25	U	T	470		T	25	U	T	25	U	T
GW-EP15-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-EP16-121304	5	U	T	5	U	T	7.6		T	5	U	T	5	U	T
GW-EP20-121504	250	U	T	250	U	T	2400		T	250	U	T	250	U	T
GW-FD1-120704	100	U	T	100	U	T	2000		T	100	U	T	100	U	T
GW-FD2-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-FD3-121304	5	U	T	5	U	T	6.1		T	5	U	T	5	U	T
GW-FD4-121404	250	U	T	250	U	T	1000	=	T	250	U	T	250	U	T
GW-FD5-121604	120	U	T	120	U	T	130		T	120	U	T	120	U	T
GW-FD6-121304	5	U	T	5	U	T	150		T	5	U	T	4.9	J	T
GW-FD7-122004	1200	U	T	1200	U	T	14000		T	1200	U	T	1200	U	T
GW-LF08-122104	5	U	T	5	U	T	65		T	5	U	T	5	U	T
GW-LF09-122004	1000	U	T	1000	U	T	14000		T	1000	U	T	1000	U	T
GW-NB31-122104	50	U	T	50	U	T	88		T	50	U	T	50	U	T
GW-NB32-122004	25	U	T	25	U	T	34		T	25	U	T	25	U	T
GW-NB33-122104	5	U	T	5	U	T	23		T	5	U	T	5	U	T
GW-NB34-120704	100	U	T	100	U	T	2600		T	100	U	T	100	U	T
GW-NB35-122104	250	U	T	250	U	T	74	J	T	250	U	T	250	U	T
GW-NB36-122204	50	U	T	50	U	T	38	J	T	50	U	T	50	U	T
GW-NB38-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB39-121504	25	U	T	25	U	T	25	U	T	25	U	T	25	U	T
GW-NB44-120604	20	U	T	20	U	T	680		T	20	U	T	8.3	J	T
GW-NB46-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB50-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB54-122004	100	U	T	100	U	T	1400		T	100	U	T	100	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	O-Xylene			Styrene			Tetrachloroethylene			Toluene			trans-1,2-Dichloroethene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB56-121604	5	U	T	5	U	T	6.4		T	5	U	T	5	U	T
GW-NB57A-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB57B-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB61-122204	5	U	T	5	U	T	1.4	J	T	5	U	T	5	U	T
GW-NB63-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB64-122104	5	U	T	5	U	T	230	J	T	5	U	T	5.9		T
GW-NB65-122004	5	U	T	5	U	T	60		T	5	U	T	5	U	T
GW-NB66-120604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB67-120704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB71-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB72-122104	1200	U	T	1200	U	T	1200	U	T	1200	U	T	1200	U	T
GW-NB73-122004	100	U	T	100	U	T	1200		T	100	U	T	100	U	T
GW-NB74-121304	5	U	T	5	U	T	4100		T	5	U	T	28		T
GW-NB77-122004	25	U	T	25	U	T	260		T	25	U	T	25	U	T
GW-NB78-122104	5	U	T	5	U	T	15		T	1.4	J	T	9.3		T
GW-NB79-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB80-121704	5	U	T	5	U	T	290		T	5	U	T	5	U	T
GW-NB81-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB82-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB83-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB84-120804	25	U	T	25	U	T	460		T	25	U	T	53		T
GW-NB85-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-NB86-120804	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-OA19-122104	25	U	T	25	U	T	7.3	J	T	25	U	T	12	J	T
GW-OB1-121404	5	U	T	5	U	T	10	=	T	5	U	T	5	U	T
GW-OB2-121404	5	U	T	5	U	T	3.7	J	T	5	U	T	5	U	T
GW-PL04-122204	62	U	T	62	U	T	230		T	62	U	T	62	U	T
GW-PL06-121504	5	U	T	5	U	T	60		T	5	U	T	5	U	T
GW-PW16JC-121604	5	U	T	5	U	T	7.6		T	5	U	T	5	U	T
GW-PW16RB-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PW19JC-121504	50	U	T	50	U	T	87		T	50	U	T	50	U	T
GW-PW19RB-121504	25	U	T	25	U	T	34		T	25	U	T	25	U	T
GW-PW6JC-121604	5	U	T	5	U	T	1.5	J	T	5	U	T	5	U	T
GW-PW6RB-121704	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-PZ3-121704	5	U	T	5	U	T	1900		T	3.7	J	T	27		T
GW-PZ4-121304	5	U	T	5	U	T	21		T	5	U	T	3.7	J	T
GW-RR05-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	O-Xylene			Styrene			Tetrachloroethylene			Toluene			trans-1,2-Dichloroethene		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-SW07-121004	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS14-121604	120	U	T	120	U	T	1400		T	120	U	T	120	U	T
GW-WS15-121604	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS16-121604	10	U	T	10	U	T	120		T	10	U	T	10	U	T
GW-WS17B-121704	5	U	T	5	U	T	5	J	T	5	U	T	5	U	T
GW-WS22-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS23-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS24-121504	5	U	T	5	U	T	36		T	5	U	T	5	U	T
GW-WS25-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS26-121504	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS27-121504	5	U	T	5	U	T	3.5	J	T	5	U	T	5	U	T
GW-WS28-121604	5	U	T	5	U	T	41		T	5	U	T	5	U	T
GW-WS29-121604	100	U	T	100	U	T	100	U	T	100	U	T	100	U	T
GW-WS30-121604	250	U	T	250	U	T	2200		T	250	U	T	250	U	T
GW-WS31-121604	120	U	T	120	U	T	150		T	120	U	T	120	U	T
GW-WS32-121704	5	U	T	5	U	T	21		T	5	U	T	5	U	T
GW-WS34-121404	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS7-121304	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
GW-WS8-120904	5	U	T	5	U	T	5	U	T	5	U	T	5	U	T
NB-34-22-32-OL-GW-SS	5	U	T	5	U	T	2900		T	5	U	T	11		T
PW-16-290-OL-GW	5	U	T	5	U	T	15		T	5	U	T	5	U	T
PW-19-207-227-GW-SS	5	U	T	5	U	T	63		T	1.1	J	T	2.2	J	T
PW-19-224-247-GW	5	U	T	5	U	T	63		T	0.57	J	T	1.2	J	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	trans-1,3-Dichloropropene			Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
BR5-236-OL-GW	5	U	T	5	U	T	10	U	T	10	U	T
BW-BR10-32-39-GW-SS	5	U	T	580		T	10	U	T	13		T
BW-BR11-69-109-GW-SS	5	U	T	5	U	T	10	U	T	10	U	T
BW-BR12-27-38-GW-SS	5	U	T	5	U	T	10	U	T	10	U	T
BW-BR3-24-34-GW-SS	5	U	T	5	U	T	10	U	T	10	U	T
BW-BR6-65-80-GW-SS	5	U	T	5	U	T	10	U	T	10	U	T
BW-BR7-65-75-GW-SS	5	U	T	5	U	T	10	U	T	10	U	T
BW-BR9-49-58-GW-SS	5	U	T	5	U	T	10	U	T	10	U	T
GW-BD1-121704	5	U	T	26		T	10	U	T	1.5	J	T
GW-BD13-122804	25	U	T	900		T	50	U	T	50	U	T
GW-BD14-122904	120	U	T	1000		T	250	U	T	250	U	T
GW-BD16-122204	5	U	T	1.2	J	T	10	U	T	10	U	T
GW-BD2-121604	25000	U	T	25000	U	T	50000	U	T	50000	U	T
GW-BD3-121704	5	U	T	16		T	10	U	T	10	U	T
GW-BD4-121704	5	U	T	130		T	10	U	T	1.5	J	T
GW-BD5-121504	25	U	T	440		T	50	U	T	50	U	T
GW-BD6-121404	5	U	T	18000	=	T	10	U	T	1000		T
GW-BD7-121504	5	U	T	5.8		T	10	U	T	10	U	T
GW-BD8-122804	5	U	T	12000		T	10	U	T	5000	U	T
GW-BP17-122204	25	U	T	15	J	T	50	U	T	7.8	J	T
GW-BP22A-122804	62	U	T	990		T	120	U	T	41	J	T
GW-BP22B-122804	16	U	T	99		T	31	U	T	31	U	T
GW-BR10JC-121304	5	U	T	520		T	10	U	T	16		T
GW-BR10OB-120804	5	U	T	90		T	10	U	T	10	U	T
GW-BR10RB-121304	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR11JC-121304	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR12JC-120804	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR12RB-120804	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR1JC-120604	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR1JC-121704	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR1RB-120704	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR2JC-120804	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR2RB-120804	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR3JC-120904	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR3OB-120804	5	U	T	5.8		T	10	U	T	10	U	T
GW-BR3RB-120904	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR4JC-121404	120	U	T	210	=	T	250	U	T	250	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	trans-1,3-Dichloropropene			Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-BR4RB-121004	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR5JC-121304	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR5RB-121004	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR6OB-120704	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR6RB-120704	5	U	T	1.9	J	T	10	U	T	10	U	T
GW-BR7JC-121504	5	U	T	20		T	10	U	T	10	U	T
GW-BR7RB-121404	5	U	T	1.3	J	T	10	U	T	10	U	T
GW-BR8JC-120604	200	U	T	5800		T	400	U	T	180	J	T
GW-BR8OB-120604	5	U	T	190		T	10	U	T	10	U	T
GW-BR8RB-120704	5	U	T	5	U	T	10	U	T	10	U	T
GW-BR9JC-121404	250	U	T	2800	=	T	500	U	T	150	J	T
GW-CB02-121404	5	UJ	T	5	UJ	T	10	UJ	T	10	UJ	T
GW-DM02-122204	25	U	T	270		T	50	U	T	50	U	T
GW-EP15-121004	5	U	T	5	U	T	10	U	T	10	U	T
GW-EP16-121304	5	U	T	1.6	J	T	10	U	T	10	U	T
GW-EP20-121504	250	U	T	250	U	T	500	U	T	500	U	T
GW-FD1-120704	100	U	T	530		T	200	U	T	200	U	T
GW-FD2-121304	5	U	T	5	U	T	10	U	T	10	U	T
GW-FD3-121304	5	U	T	1.2	J	T	10	U	T	10	U	T
GW-FD4-121404	250	U	T	2800	=	T	500	U	T	150	J	T
GW-FD5-121604	120	U	T	1800		T	250	U	T	250	U	T
GW-FD6-121304	5	U	T	520		T	10	U	T	16		T
GW-FD7-122004	1200	U	T	1900		T	2500	U	T	2500	U	T
GW-LF08-122104	5	U	T	5.6		T	10	U	T	10	U	T
GW-LF09-122004	1000	U	T	1900		T	2000	U	T	2000	U	T
GW-NB31-122104	50	U	T	830		T	100	U	T	35	J	T
GW-NB32-122004	25	U	T	360		T	50	U	T	50	U	T
GW-NB33-122104	5	U	T	2.1	J	T	10	U	T	10	U	T
GW-NB34-120704	100	U	T	620		T	200	U	T	200	U	T
GW-NB35-122104	250	U	T	3600		T	500	U	T	500	U	T
GW-NB36-122204	50	U	T	810		T	100	U	T	100	U	T
GW-NB38-120904	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB39-121504	25	U	T	510		T	50	U	T	7.5	J	T
GW-NB44-120604	20	U	T	410		T	40	U	T	40	U	T
GW-NB46-121004	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB50-121604	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB54-122004	100	U	T	380		T	200	U	T	200	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	trans-1,3-Dichloropropene			Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-NB56-121604	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB57A-121404	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB57B-121504	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB61-122204	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB63-120704	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB64-122104	5	U	T	1600		T	10	U	T	1.9	J	T
GW-NB65-122004	5	U	T	15		T	10	U	T	10	U	T
GW-NB66-120604	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB67-120704	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB71-121304	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB72-122104	1200	U	T	15000		T	2500	U	T	2500	U	T
GW-NB73-122004	100	U	T	240		T	200	U	T	200	U	T
GW-NB74-121304	5	U	T	3000		T	10	U	T	11		T
GW-NB77-122004	25	U	T	60		T	50	U	T	50	U	T
GW-NB78-122104	5	U	T	880		T	10	U	T	3.9	J	T
GW-NB79-121704	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB80-121704	5	U	T	2600		T	10	U	T	10	U	T
GW-NB81-120904	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB82-121004	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB83-120904	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB84-120804	25	U	T	240		T	50	U	T	50	U	T
GW-NB85-120804	5	U	T	5	U	T	10	U	T	10	U	T
GW-NB86-120804	5	U	T	5	U	T	10	U	T	10	U	T
GW-OA19-122104	25	U	T	120		T	50	U	T	50	U	T
GW-OB1-121404	5	U	T	5	U	T	10	U	T	10	U	T
GW-OB2-121404	5	U	T	5	U	T	10	U	T	10	U	T
GW-PL04-122204	62	U	T	1100		T	120	U	T	22	J	T
GW-PL06-121504	5	U	T	4.9	J	T	10	U	T	10	U	T
GW-PW16JC-121604	5	U	T	66		T	10	U	T	10	U	T
GW-PW16RB-121604	5	U	T	15		T	10	U	T	10	U	T
GW-PW19JC-121504	50	U	T	710		T	100	U	T	44	J	T
GW-PW19RB-121504	25	U	T	500		T	50	U	T	8.5	J	T
GW-PW6JC-121604	5	U	T	7.6		T	10	U	T	10	U	T
GW-PW6RB-121704	5	U	T	5	U	T	10	U	T	10	U	T
GW-PZ3-121704	5	U	T	7700		T	10	U	T	77		T
GW-PZ4-121304	5	U	T	250		T	10	U	T	1.9	J	T
GW-RR05-120904	5	U	T	5	U	T	10	U	T	10	U	T

Table H.16f Organics (Volatile Organic Compounds) in Groundwater (µg/L)

Sample ID	trans-1,3-Dichloropropene			Trichloroethene			Vinyl acetate			Vinyl chloride		
	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D	Result	Q	T or D
GW-SW07-121004	5	U	T	5	U	T	10	U	T	10	U	T
GW-WS14-121604	120	U	T	120	J	T	250	U	T	250	U	T
GW-WS15-121604	5	U	T	5	U	T	10	U	T	10	U	T
GW-WS16-121604	10	U	T	13		T	20	U	T	20	U	T
GW-WS17B-121704	5	U	T	42		T	10	U	T	10	U	T
GW-WS22-121304	5	U	T	5	U	T	10	U	T	10	U	T
GW-WS23-121304	5	U	T	5	U	T	10	U	T	10	U	T
GW-WS24-121504	5	U	T	14		T	10	U	T	10	U	T
GW-WS25-121504	5	U	T	5	U	T	10	U	T	10	U	T
GW-WS26-121504	5	U	T	5	U	T	10	U	T	10	U	T
GW-WS27-121504	5	U	T	5.6		T	10	U	T	10	U	T
GW-WS28-121604	5	U	T	15		T	10	U	T	10	U	T
GW-WS29-121604	100	U	T	550		T	200	U	T	150	J	T
GW-WS30-121604	250	U	T	3700		T	500	U	T	500	U	T
GW-WS31-121604	120	U	T	1900		T	250	U	T	250	U	T
GW-WS32-121704	5	U	T	69		T	10	U	T	10	U	T
GW-WS34-121404	5	U	T	18	=	T	10	U	T	10	U	T
GW-WS7-121304	5	U	T	5	U	T	10	U	T	10	U	T
GW-WS8-120904	5	U	T	5	U	T	10	U	T	10	U	T
NB-34-22-32-OL-GW-SS	5	U	T	620		T	10	U	T	1.9	J	T
PW-16-290-OL-GW	5	U	T	160		T	10	U	T	10	U	T
PW-19-207-227-GW-SS	5	U	T	460		T	10	U	T	3	J	T
PW-19-224-247-GW	5	U	T	290		T	10	U	T	3.2	J	T

APPENDIX I
CD-ROM OF LABORATORY DATA AND INTEGRITY TESTING OF DUAL-COMPLETION WELLS.

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APPENDIX J
BACKGROUND CALCULATION

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BACKGROUND EVALUATION

1. INTRODUCTION

This background evaluation was performed to determine background concentrations for applicable analytes detected in surface and subsurface soil, surface water, sediment, and groundwater at the Westinghouse Electric Company Hematite Site (i.e., the Site). The evaluation was performed as a part of the remedial investigation (RI) that was conducted to determine the nature and extent of contamination in various environmental media present at the Site.

2. METHODOLOGY

The methodologies presented in EPA's *Guidance for Comparing Background and Chemical Concentrations in Soil for CERCLA Sites* (EPA 540-R-01-003; OSWER 9285.7-41, September 2002) and Navy's guidance document *Handbook for Statistical Analysis of Environmental Background Data* (NAVFAC 1999) were used during the determination of background concentrations. Other reference materials that were used during this evaluation are as follows:

- *Risk Assessment Guidance Document for Superfund*, Part A (EPA 1989)
- *Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities* (EPA 1992)
- *Guidance for Conducting Risk Assessments and Related Risk Activities for the DOE-ORO Environmental Management Program* (University of Tennessee, 1999).
- *Nondetects and Data Analysis - Statistics for Censored Environmental Data* (Helsel, R. Dennis 2005)

The following methodologies were implemented during the background evaluation:

- Collection of background samples for various environmental media
- Review of both site and background sampling results for all analytes
- Screening of analytes for various environmental media based on the Site sampling results
- Comparison of Site and background sampling results for each applicable analyte
- Determination of background concentrations for each applicable analyte in each environmental media.

Each of these steps is summarized in the following sections.

2.1 Collection of Background Samples for Various Environmental Media

This step of the background evaluation process involved identifying sampling locations that were appropriate for use as background. Sampling locations were selected to approximate the same basic characteristics as the Site sampling locations but in areas that could not have received releases from the site.

Surface soil samples from the Hematite Site and several off-site locations were collected and analyzed as part of the RI. Sampling and analysis methods for surface soil samples were described in Section 2 of the RI Report. Section 3.2.3 of the RI Report describes the soil types associated with the site (USDA 2003).

The soil survey for Jefferson County indicates that off-site soil samples collected from the location to the east of the site (south of the U.S. National Guard Armory – Fig. 2.7 in the RI Report) are from the Kaintuck soil series. These soils are well-drained, coarse loamy alluvium associated with flood plain deposits. The Kaintuck soil series is also present at the site along the Joachim Creek floodplain.

Off-site surface soil samples were also collected approximately 2.5 miles southwest of the Hematite Site adjacent to Highway P (Fig. 2.7 in the RI Report). Soils in this area belong to the Useful and Freeburg soil series. The Freeburg soil series is present at the site. Although the Useful soil series is not found within the site boundary, it is similar to the Freeburg silt loam and the Horsecreek silt loam, both of which are mapped on the Hematite site.

It is apparent that surface soil samples from both background locations are from a group of soil series also found on the Hematite Site or, in the case of the Useful soil series, are closely related to soils found on site. Therefore, analytical results for contaminants in background soils should provide a valid basis for comparison with similar data obtained from site soils.

In addition to the samples collected at off-site locations, candidates for inclusion in the background dataset also include site samples from areas believed to be non-impacted, and sampling locations with no detections of organics located outside the current boundaries of known contamination (e.g., for groundwater, wells outside the actual or suspected groundwater contaminant plume area). These "background locations" were selected based on the conceptual site model, knowledge of on-site and off-site potential contaminant sources, the nature and extent of known soil and groundwater contamination, and other factors relevant to an understanding of the Site.

2.1.1 Collection of Soil Samples

Background soil samples were collected from two areas near the Site to establish representative concentrations of naturally occurring constituents in soil. Fifteen background soil locations were sampled. Eight background soil sampling locations (BG-08 through BG-15) representative of the terrace strata were located along Highway P approximately 2.5 miles southwest of the Site. Seven background soil sampling locations (BG-01 through BG-07) representative of the alluvial strata were located at the U.S. National Guard Armory, located east and north of the Site near the junction of State Road P and State Road A.

The search for background areas focused on identification of a non-impacted area(s) that were appropriate for obtaining background samples to be used to estimate the background gamma count rates and soil concentrations for uranium, thorium, and other naturally occurring radionuclides potentially present at the Site. These locations are also assumed to be representative of background chemical contaminants of potential concern (CCOPC).

A total of thirty-two background soil samples were collected and analyzed. Fifteen of the background soil samples were grab samples collected from 0 to 0.5 feet below ground surface (bgs) and fifteen of the samples were composites collected from 1 to 4 feet bgs. Two duplicate samples were also collected. Consistent with sampling in impacted areas of the Site, the soil samples were scanned with GM and NaI detectors to provide background count rate information for detectors that were being used to scan potentially impacted samples collected during the RI.

2.1.2 Collection of Surface Water Samples

Background (upstream) surface water samples were collected at four locations during the implementation of the *Surface Water and Sediment Investigation* Task Specific Work Plan (TSWP). These background surface water sampling locations correspond to the Northeast Site Creek Tributary (US-01-SW), Lake Virginia Tributary (US-02-SW), Site Spring (US-03-SW), and Joachim Creek (US-05-SW). The Northeast Site Creek and the Lake Virginia tributary samples were collected north and west of State Route P. The Site Spring sample was collected at its discharge to the Site Pond. The Joachim Creek background sample was collected approximately 1/4-mile upstream from the Site. These locations are hydraulically upgradient of the Site.

The surface water samples were grab samples collected at mid-depth in moving water at the main flow line of the creek to represent the entire cross section of the applicable creek. The sampling crew selected the most appropriate sampling location near the planned location that exhibited the greatest degree of cross-sectional homogeneity. Since mixing is primarily attributed to turbulence and water velocity, the crew sampled immediately downstream of a mixing zone to ensure good vertical mixing, where applicable. The upstream surface water sample from the site pond was a grab sample of water entering Site Pond from Site Spring.

2.1.3 Collection of Sediment Samples

Background (upstream) sediment samples were collected from two locations during the Remedial Investigation field activities. These background sediment sampling locations correspond to the East Lake Tributary (US-04-SS) and Joachim Creek (US-05-SS), and are located hydraulically upgradient of the Hematite Site. The sampling crew collected the grab samples in depositional areas along the main flow line of the water body because contaminants tend to concentrate in the fine-grained sediments in depositional zones. However, an inadequate number of background sediment samples were available to perform a statistical evaluation. Hence, this evaluation did not utilize the background sediment sampling results during the determination of background values. The background concentrations determined for subsurface soil will be used as the background concentrations for sediment.

2.1.4 Collection of Groundwater Samples

Monitoring wells BR-12-JC and BR-12-RB were installed and sampled to provide groundwater samples representative of background conditions in the Jefferson City and Roubidoux formations, respectively. These wells were sampled during the site-wide groundwater monitoring event which was conducted from December 2004 to January 2005. However, given that only one sample was collected from each of these wells, this evaluation utilized all available site groundwater data to determine if other unimpacted wells could serve as background wells for the site. If sufficient data was available, the sampling results for those wells were then used to determine the background concentrations for each groundwater unit at the site.

2.2 Review of Site and Background Sampling Results

The sampling results for both site and background samples were reduced and evaluated prior to performing the statistical analysis. The data were evaluated following the general guidance provided in EPA's *Guidance for Data Quality Assessment* (EPA 2000) to ensure that they are of the right type and quality for use. Quality control samples were removed from each of the datasets. Only unfiltered groundwater results were used in the background calculations for groundwater.

2.3 Analyte Screening for Various Environmental Media

The sampling results that were collected as a part of the site investigation process were used to determine analytes requiring background values for each environmental medium. Under this step, the sampling results for each analyte were screened against appropriate screening criteria in the following media: surface soil (0-0.5 ft depth), subsurface soil (>0.5 ft depth), surface water, sediment, and the groundwater hydrostratigraphic units identified as the Overburden, Jefferson City Formation, and Roubidoux Formation. The analyte screenings were conducted in two steps: (1) a frequency of detection screen and (2) a weight-of-evidence screen.

2.3.1 Frequency of Detection Screen

The first screen, the frequency of detection screen, involved determining the frequency of detection for each analyte in samples from each media. Those analytes with a frequency of detection equal to or less than 5% for a particular media were not retained for further screening. Those analytes with a frequency of detection of more than 5% for a particular media were carried forward to the second screen.

2.3.2 Weight-of-Evidence Screen

The final screen to identify applicable analytes to be included in the evaluation, the weight-of-evidence screen, is intended to eliminate those analytes that clearly are not site related. The weight-of-evidence screen generally eliminates those chemicals that are essential nutrients (i.e., calcium, sodium, potassium, and magnesium) and may also eliminate chemicals that are infrequently detected if they are determined not to be site-related. Unless the presence of an infrequently detected chemical is expected based on historical site information, or is possible due to the existence of a "hot spot," those chemicals with a low frequency of detection in a particular media were eliminated from additional analyses. However, this evaluation only screened

contaminants that are essential nutrients. Any chemicals that passed both screens were carried forward for the background evaluation.

2.4 Comparison of Background and Site Sampling Results

Site and background sampling results for each media were compared to determine if background locations were not site-impacted and were appropriate for use as background locations. For this evaluation, probability plots (i.e., cumulative distribution curves) were used for comparing analyte concentrations in a particular media within the known impacted areas to concentrations in the background dataset. The probability plot provides a graph of concentration values versus their cumulative probabilities and is used for identifying and segregating different populations. If the probability plots supported the conclusion that the impacted and background dataset represent separate populations, the background locations were considered appropriate for use as background.

2.5 Statistical Determination of Background Values

There are a variety of statistical approaches that are applicable to calculating background criteria, depending on the number of samples available and the distribution type of the data. This evaluation uses an upper-end statistic, the 95% upper tolerance limit (95% UTL), to represent background. The 95% UTL represents a value that 95% of the population will fall below with 95% confidence. Use of the 95% UTL is a reasonable approach for this site because it includes at least 95% of the distribution of observations from the background dataset with a 95% confidence and so is sufficiently robust to account for variability that naturally exists within the population of background concentrations. The 95% UTL method is recommended in *Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities* (EPA 1992) and in other EPA guidance (EPA 1989). In addition, use of the 95% UTL for background screening is also consistent with EPA's *Guidance for Comparing Background and Chemical Concentrations in Soil for CERCLA Sites* (EPA 540-R-01-003; OSWERR 9285.7-41, September 2002).

The method used for determination of background values depends on sample size, the distribution type (i.e., parametric or nonparametric), and the detection frequency for each analyte. To ensure that the 95% UTL represents background conditions, there must be an adequate number of background samples. If there are insufficient detected sample results (i.e., <5 samples), the maximum detected value was used as the background concentration for that analyte.

Prior to the calculation of the background 95% UTL concentration, the data were reviewed through the use of graphical analysis methods such as boxplots to determine if there were outliers in the dataset. As a rule, results were not deleted as outliers unless there was a very compelling reason (i.e., suspected field or laboratory problems or it is an extreme outlier).

The process of calculating the 95% UTL concentration for each analyte began with the determination of the frequency of detection and the distribution type (parametric or nonparametric). A parametric UTL was calculated for those background sample sets that are normally or lognormally distributed. A nonparametric UTL was calculated when the distribution of the background sample set was unknown. A description of how the background criteria were calculated based on the frequency of detection and the sample distribution is presented below:

1) For non-radiological samples, non-detect sample results were substituted by half of the detection limit, and then, based on the distribution type, 95% UTLs were determined. For radiological sample results, non-detect sample results were used as reported.
2) When the background frequency of detection exceeded 50%, the 95% UTL concentration was determined based on the best-fit distribution for each analyte.
3) If the frequency of detection is < 50% there is little confidence that the background distribution can be adequately characterized using statistical methods. Under these conditions, the sample distribution type cannot be identified and the 95% UTL cannot be calculated, so the maximum detected concentration in the background dataset was used as the background criteria for that analyte.

The EPA software package ProUCL (Version 3.0) and *Minitab 13 for Windows*, a comprehensive statistical and graphical analysis software package created by Minitab, Inc. (Release 13.32, 2002), were used to test the hypothesis that the data are normally or lognormally distributed (based on the Shapiro Wilk test, histograms and boxplots of the data). If the best-fit distribution was determined to be normal or lognormal, then the background 95% UTL concentrations were calculated parametrically using Minitab. The parametric 95% UTL concentration was then compared to the maximum detected background concentration and the smaller of these two concentrations was used as the background criteria. The use of the lower of the two concentrations (95% UTL versus the maximum detected) is consistent with the method outlined in the *Guidance for Conducting Risk Assessments and Related Risk Activities for the DOE-ORO Environmental Management Program* (University of Tennessee, 1999).

If the results indicated that the best-fit distribution is neither normal nor lognormal at the 95% level of confidence, then the background 95% UTL concentrations were based on a nonparametric distribution. Note that for sample sizes ≤ 59, the nonparametric 95% UTL concentrations (and therefore the background criteria) are equal to the maximum detected concentrations.

3. RESULTS OF BACKGROUND EVALUATION

The background evaluation was performed for each applicable analyte present in surface and subsurface soil, surface water, groundwater, and sediment at the Site. The following sections of the report summarize the results of the evaluation for each selected analyte in each medium.

3.1 Identification of Applicable Analytes to be Included in the Background Evaluation

The sampling results for each analyte at the site were evaluated by two types of screening: (1) a frequency of detection screen and (2) a weight-of-evidence screen. Attachments A, B, C, and D of this report present the results of screening processes for surface soil, subsurface soil, surface water and groundwater, respectively. Due to the limited number of background sediment samples, this evaluation did not utilize the background sampling results for sediment during the determination of background values. The background concentrations determined for subsurface soil will be used as the background concentrations for sediment.

Table 1 summarizes the results of screening process. Note that the weight-of-evidence screen generally eliminated those chemicals that are essential nutrients (i.e., calcium, sodium,

potassium, and magnesium) and also eliminated chemicals that are infrequently detected if they were determined not to be site-related.

Table 1. Applicable Analytes in Various Media

Environmental Medium	Type of Analyte	Name of Applicable Analyte
Surface Soil	Radionuclides	Actinium-228, Bismuth-212, Bismuth-214, Cesium-137, Lead-212, Lead-214, Neptunium-237, Plutonium-238, Plutonium 239/240, Protactinium-234, Technetium-99, Thorium-228, Thorium-230, Thorium-232, Thorium-234, Uranium-234, Uranium-235, and Uranium-238
	Metals	Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Thallium, Vanadium, and Zinc
	VOCs	Perchloroethylene
	Pesticides PAHs PCBs	4,4'-DDT, Acenaphthene, Anthracene, Arochlor 1260, Benz[e]acephenanthrylene, Benzanthracene, Benzo[a]pyrene, Benzo[k]fluoranthene, Chrysene, Endosulfan II, Endrin, Indeno(1,2,3-cd)pyrene, PCB-1254, and Pyrene
	BNAs	Benzyl butyl phthalate, Bis(2-ethylhexyl)phthalate, Carbazole, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Isophorone, and Naphthalene
Subsurface Soil	Radionuclides	Actinium-228, Bismuth-214, Lead-212, Lead-214, Plutonium 239/240, Technetium-99, Thorium-228, Thorium-230, Thorium-232, Thorium-234, Uranium-234, Uranium-235, and Uranium-238.
	Metals	Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Silver, Vanadium, and Zinc
	VOCs	1,1-Dichloroethane, 2-Propanone, cis-1,2-Dichloroethene, Methylchloroform, Perchloroethylene, Trichloroethene, and Vinylidene chloride
	Pesticides	None
	PAHs	None
	PCBs	None
	BNAs	Bis(2-ethylhexyl)phthalate and Fluoranthene
Surface Water	Radionuclides	Uranium-234, Uranium-235, and Uranium-238.
	Metals	Aluminum, Arsenic, Barium, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Nickel, Vanadium, and Zinc
	VOCs	cis-1,2-Dichloroethene, Perchloroethylene, and Trichloroethene
	Pesticides	None
	PAHs	None
	PCBs	None
	BNAs	Fluoranthene
Groundwater - Overburden	Radionuclides	Neptunium-237, Radium-226, Radium-228, Technetium-99, Thorium-228, Thorium-230, Thorium-232, Uranium-234, Uranium-235, and Uranium-238
	Metals	Aluminum, Arsenic, Barium, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Nickel Selenium, Vanadium, and Zinc
	VOCs	1,1,2 – Trichloroethane, 1,1-Dichloroethane, Chloroethene, cis-1,2-Dichloroethene, Ethylene Dichloride, Methlchloroform, Methylene Chloride, Perchloroethylene, trans-1,2-Dichloroethene, Trichloroethene and Vinylidene Chloride
	BNAs	Bis(2-ethylhexyl)phthalate

Table 1. Applicable Analytes in Various Media (Cont'd)

Environmental Medium	Type of Analyte	Name of Applicable Analyte
Groundwater - Jefferson City	Radionuclides	Radium-226, Radium-228, Thorium-228, Thorium-230, Thorium-232, Uranium-234, Uranium-235, and Uranium-238
	Metals	Aluminum, Arsenic, Barium, Cobalt, Iron, Manganese, Nickel, and Zinc
	VOCs	1,1-Dichloroethane, 2-Propanone, Chloroethene, cis-1,2-Dichloroethene, Ethylene Dichloride, Methyl Ethyl Ketone, Methylchloroform, Perchloroethylene, Toluene, trans-1,2-Dichloroethene, Trichloroethene, and Vinylidene Chloride
	BNAs	None
Groundwater - Roubidoux	Radionuclides	Radium-226, Thorium-228, Thorium-232, Uranium-234, Uranium-235, and Uranium-238
	Metals	Aluminum, Arsenic, Barium, Iron, Manganese, and Zinc
	VOCs	Methylene Chloride and Trichloroethene
	BNAs	None

3.2 Results of Comparison Between Site and Background Sampling Information

Probability plots were developed for comparing concentrations of the applicable analytes in a particular media collected from the site to the concentrations in the background dataset. During this evaluation, probability plots were drawn for those analytes for which an adequate number (>5) of detected background samples were available. In addition, lognormal probability plots are included for those analytes that were determined to have a lognormal distribution. When site and background data represent the same population of data, the cumulative distribution for the combined data lie approximately along a straight line on the normal probability plot. When the plot indicates there are two line segments, this is interpreted as indicating there is a distinct difference in the two populations, i.e., background and site populations.

3.2.1 Surface Soil

A comparison of site and background surface soil data was conducted by plotting the cumulative distribution of the data for each radiological and metal analyte on normal probability paper. Each plot includes both the site and background data for a particular radiological or metal analyte based on the distribution of sampling results. However, no probability plot was drawn for analytes with a non-parametric distribution of sampling results. These probability plots are presented in Attachment E.

Based on this approach, the normal probability plots for the radiological analytes Bi-214, Pb-214, and U-234 show two distinct line segments, allowing the background and site data to be easily distinguished. The plots for the other radiological analytes indicate there is more overlap in the site and background datasets. For example, the majority of both the site and background data lie along one line segment for Ac-228, Th-228, Th-230, Th-232, and U-238 indicating that the range of concentrations of these analytes are very similar for the site and background locations. For all radiological analytes, there are significant similarities between the off-site background data set and a large percentage of surface soil results from site samples. As can be seen when reviewing the probability plots, in all cases, except for outliers that represent impacted samples, the bulk of site data is within the range of background plotted for off-site samples.

Differences in the site and background data can be identified on the probability plots for the metal analytes arsenic, barium, beryllium, chromium, copper, lead, manganese, nickel, and selenium. For aluminum, cobalt, iron, and vanadium, there is considerable overlap in the data. Based on the probability plots, the elevated concentrations of these remaining metals present in some site samples may not be site-related but instead may be characteristic of natural conditions.

3.2.2 Subsurface Soil

Attachment F provides a comparison of site and background subsurface soil data by showing the cumulative distribution of the data for radiological and metal analytes on normal probability paper. Based on the distribution of sampling results, probability plots were developed for the following radiological analytes in subsurface soil: Ac-228, Bi-214, Pb-212, Pb-214, Th-228, Th-230, Th-232, U-234, U-235, and U-238. Each plot includes both the site and background data for a particular radiological or metal analyte.

Based on these plots there is a clear difference in the distributions of the background and site data for Ac-228, Bi-214, Pb-212, and Pb-214, although no threshold could be identified. For these analytes, very few site locations fell outside the range of concentrations for the background data. Differences in the site and background datasets could also be identified on the plots for U-234, U-235, U-238, Th-228, Th-230, and Th-232, although to a lesser extent than the other analytes. For U-234, U-235, and U-238, a threshold concentration could be identified.

Probability plots were developed for the following metal analytes in subsurface soil: arsenic, barium, beryllium, copper, lead, manganese, nickel, and vanadium. Differences in the site and background datasets could be identified on the plots for arsenic, barium, copper, lead, manganese, and nickel, although for the most part the site data was within the range of the background concentrations. There was considerable overlap of background and site sampling results for beryllium and vanadium in subsurface soil.

3.2.3 Surface Water

Based on the distribution of sampling results, probability plots were developed for three radiological analytes in surface water: U-234, U-235, and U-238. Each plot includes both the site and background data for a particular radiological. Attachment G presented the probability plots for those three radionuclides.

Based on the normal probability plots for all three uranium analytes, results of only one site sample (SW-01-SW) fall outside the range of concentrations for the background data. Hence, to distinguish background from site data the plots were examined for an inflection point, or threshold, that could represent the upper limit of the background population. If an inflection point was present, it was interpreted to represent the upper limit of the background population. Those samples falling to the left of the inflection point on all plots were included during the determination of background concentrations. Based on the inflection point, six site-sampling results (including all site surface water sample results except for SW-01-SW) were included with the five background sampling results during the determination of background for surface water at the Site.

Probability plots were developed for the following metal analytes in surface water: aluminum, barium, and manganese. Like radiological analytes, results of only one site sample (SW-01-SW) fall outside the range of concentrations for the background data. Therefore, six site-sampling

results (including all site surface water sample results except for SW-01-SW) were included with the five background sampling results during the determination of background for surface water.

3.2.4 Groundwater

A comparison of site and background groundwater sampling results was performed for all three hydrostratigraphic units: the Overburden, Jefferson City Formation, and Roubidoux Formation. Results of the comparisons for each unit are summarized in the following sections.

3.2.4.1 Overburden

Probability plots were developed that included all available data for radionuclides in the Overburden. Eight plots were created, one for each of the following radionuclides: Np-237, Tc-99, Th-228, Th-230, Th-232, U-234, U-235, and U-238. (Insufficient data was available for the two remaining radionuclides, Ra-226 and Ra-228, to create meaningful probability plots.) In addition, probability plots were developed for the five metals (aluminum, barium, iron, manganese, and zinc) and three organic compounds (cis-1,2-DCE, perchloroethylene, and TCE) that passed the background screening and exceeded a detection frequency of 50% in the Overburden. Although background values are not developed for organic compounds, the VOC probability plots are used to assist in identifying the potential background wells. These probability plots are presented in Attachment H.

In order to determine which wells may be appropriate to use as background wells, all data (site and background) are plotted together rather than segregated as was done previously for the soil and surface water data. To distinguish background from site data, the plots were examined for an inflection point, or threshold, that could represent the upper limit of the background population. Only those wells falling to the left of the inflection point on the probability plots were identified as potential background wells for that analyte.

Based on an interpretation of the inflection point on each probability plot, this evaluation identified fourteen wells to be included in the background well dataset for the Overburden. The dataset includes three wells that are upgradient (northwest) of the site boundaries (GW-NB50, GW-NB57A, and GW-NB57B), three side-gradient wells (GW-NB46, GW-NB71, and GW-NB79) plus the following five onsite/downgradient wells: GW-NB63, GW-NB66, GW-NB67, GW-NB82, and GW-RR05. This list is limited to those wells that were below the threshold on all the probability plots and that also did not have VOC contamination above screening levels. One additional side-gradient well (GW-SW07) and two additional onsite/downgradient wells (GW-CB02 and GW-NB81) were also included in the background dataset. Each of these wells only exceeded the probability plot thresholds for one analyte (zinc in GW-SW07 and barium in GW-CB02 and GW-NB81) and the levels of zinc and barium in these wells were well below their MCLs.

3.2.4.2 Jefferson City Formation

Probability plots were developed for two of the radionuclides in the Jefferson City Formation that passed the frequency of detection screening: U-234and U-238. The remaining radionuclides were detected at frequencies below 50% or had fewer than 5 samples and so were not plotted. In addition, probability plots were developed for four metals that passed the frequency of detection

and weight-of-evidence screenings and that had detection frequencies exceeding 50%: barium, iron, manganese and zinc. Although background values are not developed for organic compounds, probability plots were developed for five VOCs (1,1-dichloroethane, cis-1,2-DCE, perchloroethylene, trichloroethene, and vinylidene chloride) to assist in identifying the potential background wells. The probability plots for the Jefferson City Formation are provided in Attachment I.

Those wells plotting to the left of the inflection point on each of the probability plots were identified as potential background wells for that analyte. The results were then compared in order to determine which wells would be most appropriate as background wells for all analytes. Based on the five VOC plots, concentrations for the following six wells plot to the left of the inflection points and do not exceed MCLs: BR1JC, BR2JC, BR3JC, BR5JC, BR11JC, and BR12JC. Of these wells, 4 plotted to the left of the inflection point on both the U-234 and U-238 probability plots: BR1JC, BR2JC, BR5JC, and BR11JC. Concentrations in BR12JC, the expected background well, plotted to the right of the inflection point on both the U-234 and U-238 plots. However, because radionuclides are not present at significant levels in the Jefferson City Formation, it was difficult to distinguish between the background and site populations using the probability plot method. The concentrations of U-234 and U-238 in BR12JC are very low and likely fall within the range of background. Table 2 provides a comparison of the Jefferson City Formation groundwater results with MCLs. Based on this comparison, although elevated concentrations of several VOCs are present in the Jefferson City Formation, radionuclides are not present at significant levels. Because BR12JC is located upgradient of the site and appears unimpacted by VOCs, metals, and radionuclides, it was retained as a potential background well.

Based on the probability plots for the metals, the concentrations detected in wells BR12JC, BR5JC, and BR11JC plot to the left of the inflection points on all plots. Therefore, these wells are retained as potential background wells for the Jefferson City Formation. Concentrations in the other two potential background wells, BR1JC and BR2JC, plot to the right of the inflection points on the probability plots for barium, iron, and zinc. However, because these analytes are naturally abundant and, in the case of barium and zinc, the concentrations are well below their MCLs, these two wells were also retained as potential background wells for the Jefferson City Formation.

Based on the above interpretation of probability plots, five wells were identified as appropriate to use as background wells for the Jefferson City Formation. The dataset includes one upgradient well (BR12JC), two side-gradient wells (BR1JC and BR5JC) and two downgradient wells (BR2JC and BR11JC). These wells are all screened within the same water-bearing formation and are either located upgradient of the site (BR12JC) or are in areas sufficiently distant from the Site to have not been impacted by site activities.

Table 2. Comparison of Jefferson City Sampling Results with MCLs

Analyte	Units	Number of Samples	Detection Frequency	Detected Concentrations		Drinking Water MCLs
				Minimum	Maximum	
1,1-Dichloroethane	ug/L	16	56%	3.4	350	-
2-Propanone	ug/L	16	6%	9.9	9.9	-
Chloroethene	ug/L	16	31%	1.9	180	2
cis-1,2-Dichloroethene	ug/L	16	56%	7.8	2400	70
Ethylene Dichloride	ug/L	16	6%	3.9	3.9	-
Methyl ethyl ketone	ug/L	16	6%	29	29	-
Methylchloroform	ug/L	16	13%	1.3	6.9	-
Perchloroethylene	ug/L	16	56%	6	2200	5
Toluene	ug/L	16	6%	3.7	3.7	1000
Trans-1,2-Dichloroethene	ug/L	16	19%	3.1	27	100
Trichloroethene	ug/L	16	56%	20	7700	5
Vinylidene chloride	ug/L	16	50%	9.1	240	7
Arsenic	ug/L	15	20%	14	23	10
Barium	ug/L	15	100%	57	540	2000
Iron	ug/L	15	80%	110	16000	300[a]
Manganese	ug/L	15	100%	3.6	1700	50[a]
Zinc	ug/L	15	73%	7.3	69	5000[a]
Radium 226	pCi/L	3	100%	1.38	1.62	5
Radium-228	pCi/L	3	67%	0.85	1.29	-
Thorium-228	pCi/L	15	13%	0.11	1.00	-
Thorium-230	pCi/L	15	7%	0.69	0.69	-
Thorium-232	pCi/L	15	13%	0.04	0.74	-
Uranium-234	pCi/L	15	100%	0.10	6.03	-
Uranium-235	pCi/L	15	47%	0.05	0.16	-
Uranium-238	pCi/L	15	93%	0.15	1.72	-

[a] Secondary MCL

3.2.4.3 Roubidoux Formation

Probability plots were developed for the Roubidoux Formation groundwater for the following radionuclides: U-234, U-235, and U-238. These plots are provided in Attachment J. The metals aluminum, arsenic, barium, iron, manganese, and zinc were retained through the frequency-of-detection screening for the Roubidoux Formation groundwater. Probability plots for barium, iron, manganese, and zinc are included in Attachment J. Probability plots for aluminum and arsenic were not developed because their detection frequencies were too low. Similarly, probability plots were not developed for the two VOCs passing the frequency-of-detection screen (methylene chloride and TCE) because their frequencies of detection were too low.

Due to the low concentrations of these analytes throughout the Roubidoux Formation, it was difficult to distinguish between the background and site populations using the probability plot method. No inflection points were observed on the plots for barium. Distinct inflection points could be discerned on the plots for manganese and iron. Although less distinct, inflection points could be observed on the probability plots for U-234, U-235 and U-238. The concentrations in three wells (BR03RB, BR04RB, and BR08RB) plotted to the left of the inflection points on all

probability plots. Based on their locations with respect to the Site, and the predominant groundwater flow direction, BR03RB (upgradient) is appropriate for use as background. BR08RB is a Jefferson City-Roubidoux contact zone well and so may not be appropriate for use as a Roubidoux background well. BR04RB is located directly downgradient of the site, within 1000 ft of the facility, but appears to be currently unimpacted. At this time there is insufficient data available from BR03RB and BR04RB to statistically develop background values for the Roubidoux Formation. Table 3 provides a comparison of the Roubidoux groundwater sampling results with the MCLs. Because it does not appear that significant levels of contamination exist in the Roubidoux Formation groundwater, background values may not be needed for the Roubidoux Formation.

Table 3. Comparison of Roubidoux Sampling Results with MCLs

Analyte	Units	Number of Samples	Detection Frequency	Detected Concentrations		Drinking Water MCLs
				Minimum	Maximum	
Trichloroethene	ug/L	10	20%	1.3	1.9	5
Arsenic	ug/L	10	10%	46	62	10
Barium	ug/L	10	100%	65	140	2000
Iron	ug/L	10	80%	110	750	300[a]
Manganese	ug/L	10	100%	3.7	19	50[a]
Zinc	ug/L	10	50%	6.7	150	5000[a]
Radium 226	pCi/L	3	67%	0.73	1.10	5
Thorium-228	pCi/L	10	10%	0.14	0.14	-
Thorium-232	pCi/L	10	20%	0.06	0.12	-
Uranium-234	pCi/L	10	100%	2.07	12.40	-
Uranium-235	pCi/L	10	70%	0.05	0.09	-
Uranium-238	pCi/L	10	100%	0.19	1.22	-

[a] Secondary MCL

3.3 Results of Background Concentrations

The results of the background analyte concentrations for various environmental media are presented in the following section.

3.3.1 Background Concentrations for Surface Soil

Table 4 presents the results of the background sample concentrations for each applicable analyte present in the surface soil.

Table 4. Results of Background Concentrations for Surface Soil

Applicable Analytes	Detect?	Number of Samples	Concentration		Distribution Flag[1]	UTL_{95}	Site-Specific Background[2]
			Maximum	Minimum			
Radionuclides (unit is pCi/g)							
Actinium-228	Detect	12	1.43	0.767	N	1.8	1.43
	ND	3	0.82	0.53			
Bismuth-212	Detect	1	2.05	2.05	O	2.05	2.05
	ND	14	2.04	-0.609			
Bismuth-214	Detect	14	1.1	0.528	L	1.35	1.1
	ND	1	0.472	0.472			
Cesium-137	Detect	3	0.161	0.0698	O	0.16	0.16
	ND	12	0.235	-0.0711			
Lead-212	Detect	15	1.44	0.576	N	1.84	1.44
Lead-214	Detect	15	1.13	0.581	N	1.26	1.13
Neptunium-237	Detect	1	0.0134	0.0134	O	0.0134	0.013
	ND	15	0.109	-0.00433			
Plutonium 238	ND	15	0.00462	-0.0035	--	NR	NR
Plutonium 239/240	Detect	2	0.0224	0.0181	O	0.02	0.02
	ND	13	0.00475	-0.00131			
Protactinium-234	ND	15	14.1	-14.2	--	NR	NR
Technetium-99	No background sample was collected for this analyte.						NC
Thorium-228	Detect	15	1.35	0.661	L	1.73	1.35
Thorium-230	Detect	15	1.39	0.708	L	1.71	1.39
Thorium-232	Detect	15	1.32	0.665	L	1.65	1.32
Thorium-234	Detect	1	2.2	2.2	O	2.2	2.2
	ND	14	2.6	-0.807			
Uranium-234	Detect	15	0.968	0.533	L	1.25	0.97
Uranium-235	Detect	12	0.0695	0.0168	X	0.07	0.07
	ND	3	0.406	-0.328			
Uranium-238	Detect	15	0.996	0.554	N	1.21	1.00
Metal (Unit is mg/kg)							
Aluminum	Detect	15	17000	4500	L	29551	17000
Antimony	ND	15	1.2	0.95	--	NR	NR
Arsenic	Detect	15	9.6	5.1	N	10.94	9.6
Barium	Detect	15	330	97	L	604	330
Beryllium	Detect	14	0.77	0.39	N	0.98	0.77
	ND	1	0.36	0.36			
Cadmium	Detect	7	0.6	0.28	O	0.6	0.6
	ND	8	0.52	0.24			
Chromium	Detect	15	17	8	N	20.22	17
Cobalt	Detect	15	17	4.8	N	17.10	17
Copper	Detect	15	13	7.6	L	14.4	13
Iron	Detect	15	26000	9700	L	38793	26000
Lead	Detect	15	81	12	L	115	81
Manganese	Detect	15	1100	240	N	1175	1100

Table 4. Results of Background Concentrations for Surface Soil (Cont'd)

Applicable Analytes	Detect?	Number of Samples	Concentration		Distribution Flag[1]	UTL_{95}	Site-Specific Background[2]
			Maximum	Minimum			
Mercury	Detect	8	0.042	0.029	X	0.04	0.04
	ND	7	0.03	0.024			
Nickel	Detect	15	14	7.4	N	16.92	14
Selenium	Detect	9	0.97	0.6	N	1.18	0.97
	ND	6	1.3	0.62			
Thallium	ND	15	2.1	0.95	--	NR	NR
Vanadium	Detect	15	39	16	L	58.50	39
Zinc	Detect	15	310	33	X	310	310
VOCs (Unit is ug/kg)							
Perchloroethylene	ND	15	7.4	6	-	NR	NR
PEST, PAHs, PCBs (Unit is ug/kg)							
4,4'-DDT	No background sampling was conducted for these analytes.						NC
Acenaphthene							
Anthracene							
Arochlor 1260							
Benz[e]acephenanthrylene							
Benzanthracene							
Benzo[a]pyrene							
Benzo[k]fluoranthene							
Chrysene							
Endosulfan II							
Endrin							
Indeno(1,2,3-cd)pyrene							
PCB-1254							
Pyrene							
BNAs (Unit is ug/kg)							
Benzyl butyl phthalate	No background sampling was conducted for these analytes.						NC
Bis(2-ethylhexyl)phthalate							
Carbazole							
Di-n-butyl phthalate							
Di-n-octyl phthalate							
Fluoranthene							
Fluorene							
Hexachlorobenzene							
Isophorone							
Naphthalene							

1 N = Normal; L = Lognormal; X = Nonparametric; O = Very few detected samples to determine distribution
2 Smaller of maximum detected concentration and UTL_{95}
ND = Non-Detect
NR = Not Reported. No detected results for that Analyte
NC= Not Calculated
-- Due to non-detect sampling results, no distribution flag was assigned.
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3.3.2 Background Concentrations for Subsurface Soil

Table 5 presents the results of the background concentrations for each applicable analyte present in the subsurface soil. As mentioned earlier, this evaluation did not attempt to determine the sediment background with only two sediment background sample results. The results for subsurface soil background criteria will be used as the background criteria for sediment.

Table 5. Results of Background Concentrations for Subsurface Soil/Sediment

Applicable Analytes	Detect?	Number of Samples	Concentration		Distribution Flag[1]	UTL_{95}	Site-Specific Background[2]
			Maximum	Minimum			
Radionuclides (unit is pCi/g)							
Actinium-228	Detect	10	1.83	0.68	N	1.99	1.83
	ND	5	0.98	0.77			
Bismuth-214	Detect	15	1.15	0.68	N	1.29	1.15
Lead-212	Detect	15	1.70	0.76	N	1.95	1.7
Lead-214	Detect	15	1.21	0.76	N	1.31	1.21
Plutonium 239/240	ND	15	0.01	0.00	--	NR	NR
Technetium-99	No background sample was collected for this analyte.						NC
Thorium-228	Detect	15	1.33	0.83	N	1.49	1.33
Thorium-230	Detect	15	1.30	0.82	N	1.47	1.30
Thorium-232	Detect	15	1.32	0.83	N	1.52	1.32
Thorium-234	Detect	2	4.03	3.35	O	4.03	4.03
	ND	13	1.91	-1.00			
Uranium-234	Detect	15	0.92	0.66	N	1.03	0.92
Uranium-235	Detect	15	0.08	0.03	N	0.1	0.08
Uranium-238	Detect	15	0.99	0.65	N	1.13	0.99
Metal (Unit is mg/kg)							
Aluminum	Detect	15	17000	5800	X	17000	17000
Arsenic	Detect	15	9.8	5.5	N	10.67	9.8
Barium	Detect	15	320	80	L	354.09	320
Beryllium	Detect	15	0.92	0.49	N	1.08	0.92
Cadmium	Detect	2	0.72	0.25	O	0.72	0.72
	ND	13	0.5	0.24			
Chromium	Detect	15	24	11	X	24	24
Cobalt	Detect	15	14	6.3	X	14	14
Copper	Detect	15	13	8.5	N	14.97	13
Iron	Detect	15	24000	12000	X	24000	24000
Lead	Detect	15	90	15	L	121	90
Manganese	Detect	15	960	320	N	1112.86	960
Mercury	Detect	8	0.053	0.027	X	0.053	0.053
	ND	7	0.026	0.023			
Nickel	Detect	15	17	11	N	18.10	17
Selenium	Detect	4	0.85	0.61	O	0.85	0.85
	ND	11	1.2	0.57			
Vanadium	Detect	15	40	19	L	55.20	40
Zinc	Detect	15	370	35	X	370	370

Table 5. Results of Background Concentrations for Subsurface Soil/Sediment (Cont'd)

Applicable Analytes	Detect?	Number of Samples	Concentration		Distribution Flag[1]	UTL_{95}	Site-Specific Background[2]
			Maximum	Minimum			
VOCs (Unit is ug/kg)							
1,1-Dichloroethane	ND	15	0%	6.6	5.7	NR	NR
2-Propanone	ND	15	0%	13	11	NR	NR
cis-1,2-Dichloroethene	ND	15	0%	6.6	5.7	NR	NR
Methylchloroform	ND	15	0%	6.6	5.7	NR	NR
Perchloroethylene	ND	15	0%	6.6	5.7	NR	NR
Trichloroethene	ND	15	0%	6.6	5.7	NR	NR
Vinylidene chloride	ND	15	0%	6.6	5.7	NR	NR
PEST, PAHs, PCBs (Unit is ug/kg)							
None							
BNAs (Unit is ug/kg)							
Bis(2-ethylhexyl)phthalate	No Background Sampling was conducted for these analytes.						NC
Fluoranthene							

1 N = Normal; L = Lognormal; X = Nonparametric; O = Very few detected samples to determine distribution
2 Smaller of maximum detected concentration and UTL_{95}
ND = Non-Detect
NR = Not Reported. No detected results for that Analyte
NC= Not Calculated
-- Due to non-detect sampling results, no distribution flag was assigned.

3.3.3 Background Concentrations for Surface Water

Based on the comparison between site and background surface water sampling results, all background samples (5) and six site sampling results were used during the determination of surface water background for the Site. Table 6 presents the results of the background concentrations for each applicable analyte present in the surface water.

Table 6. Results of Background Concentrations for Surface Water

Applicable Analytes	Detect?	Number of Samples	Concentration		Dist Flag[1]	UTL_{95}	Site-Specific Background[2]
			Maximum	Minimum			
Radionuclides (Unit is pCi/L)							
Uranium-234	Detect	11	0.76	0.44	N	2.03	0.76
Uranium-235	Detect	9	0.11	0.03	N	0.17	0.10
	ND	2	0.01	0.004			
Uranium-238	Detect	11	0.82	0.15	L	1.37	0.82
Metal (Unit is mg/L)							
Aluminum	Detect	8	0.98	0.1	N	1.02	0.98
	ND	3	0.1	0.1			
Arsenic	ND	5	0.01	0.01	--	NR	NR

Table 6. Results of Background Concentrations for Surface Water (Cont'd)

Applicable Analytes	Detect?	Number of Samples	Concentration		Dist Flag[1]	UTL_{95}	Site-Specific Background[2]
			Maximum	Minimum			
Barium	Detect	11	0.14	0.07	N	0.21	0.14
Chromium	ND	5	0.004	0.004	--	NR	NR
Cobalt	ND	5	0.002	0.002	--	NR	NR
Copper	ND	5	0.01	0.01	--	NR	NR
Iron	Detect	7	1	0.11	X	1	1
	ND	4	0.1	0.1			
Lead	ND	5	0.003	0.003	--	NR	NR
Manganese	Detect	11	0.38	0.015	L	0.77	0.38
Nickel	ND	5	0.005	0.005	--	NR	NR
Vanadium	ND	5	0.01	0.01	--	NR	NR
Zinc	ND	5	0.006	0.006	--	NR	NR
VOCs (Unit is ug/L)							
cis-1,2-Dichloroethene	ND	5	5	5	--	NR	NR
Perchloroethylene	ND	5	5	5	--	NR	NR
Trichloroethene	ND	5	5	5	--	NR	NR
PEST, PAHs, PCBs (Unit is ug/L)							
None							
BNAs (Unit is ug/L)							
Fluoranthene	ND	5	10	9.4	--	NR	NR

1 N = Normal; L = Lognormal; X = Nonparametric; O = Very few detected samples to determine distribution
2 Smaller of maximum detected concentration and UTL_{95}
ND = Non-Detect
NR = Not Reported. No detected results for that Analyte
NC= Not Calculated
-- Due to non-detect sampling results, no distribution flag was assigned.

3.3.4 Background Concentrations for Groundwater

This evaluation attempted to determine the background concentrations of applicable analytes in three hydrostratigraphic units (Overburden, Jefferson City Formation, and Roubidoux Formation). Table 7 presents the results of the background concentration evaluation for radionuclides and metals in Overburden groundwater. Tables 8 and 9 present the results of the background concentration evaluation for radionuclide and metal analytes in Jefferson City and Roubidoux Formation groundwater, respectively. Although background values were not developed for the Roubidoux, the range of concentrations observed in two potential background wells at the site are provided as a guide to the expected background conditions. Tables 7, 8 and 9 also list the MCLs and secondary MCLs for comparison to the background concentrations..

Table 7. Background Concentrations for Groundwater in Overburden

Applicable Analyte	Number of Samples	Frequency of Detection	Maximum Detected Concentration	Dist Flag[a]	UTL_{95}	Drinking Water MCLs	Site-Specific Background[1]
Radionuclides (unit is pCi/L)							
Neptunium-237	6	0%	---	---	---	---	NR
Radium 226	1	100%	0.26	O	---	5	0.26
Radium-228	1	0%	---	---	---	---	NR
Technetium-99	14	0%	---	---	---	---	NR
Thorium-228	14	0%	---	---	---	---	NR
Thorium-230	14	0%	---	---	---	---	NR
Thorium-232	14	14%	0.067	O	---	---	0.067
Uranium-234	14	71%	1.68	L	1.85	---	1.68
Uranium-235	14	36%	0.067	O	---	---	0.067
Uranium-238	14	71%	0.81	L	0.86	---	0.81
Metal (Unit is ug/L)							
Aluminum	14	27%	1100	O	---	50 to 200[b]	1100
Arsenic	14	0%	---	---	---	10	NR
Barium	14	100%	390	L	439	2000	390
Chromium	14	0%	---	---	---	100	NR
Cobalt	14	13%	2.4	O	---	---	2.4
Copper	14	7%	20	O	---	1000[b]	20
Iron	14	78%	34000	X	34000	300[b]	34000
Lead	14	21%	8.2	O	---	15[c]	8.2
Manganese	14	93%	3300	N	4141	50[c]	3300
Nickel	14	14%	31	O	---	---	31
Selenium	14	0%	---	---	---	50	NR
Vanadium	14	0%	---	---	---	---	NR
Zinc	14	50%	210	X	210	5000[b]	210

[a] Distribution Flag: N = Normal; L = Lognormal; X = Nonparametric;
O = Insufficient detected samples to determine distribution
1 Smaller of maximum detected concentration and UTL_{95}
[b] Secondary Drinking Water Standard
[c] Action Level (treatment)
NR = Not Reported. Analyte was not detected in background dataset.

Table 8. Background Concentrations for Groundwater in the Jefferson City Formation

Applicable Analyte	Number of Samples	Detection Frequency	Maximum Detected Concentration	Dist Flag[a]	UTL_{95}	Drinking Water MCLs	Site-Specific Background[1]
Radionuclide (unit is pCi/L)							
Radium 226	2	100%	1.4	---	---	5	1.4
Radium-228	2	50%	0.85	---	---	---	0.85
Thorium-228	5	40%	1.00	O	---	---	1.00
Thorium-230	5	20%	0.69	O	---	---	0.69
Thorium-232	5	40%	0.74	O	---	---	0.74
Uranium-234	5	100%	4.45	N	7.63	---	4.45
Uranium-235	5	40%	0.07	O	---	---	0.07
Uranium-238	5	100%	1.21	N	2.16	---	1.21
Metal (Unit is ug/L)							
Aluminum	5	60%	320	N	696	50 to 200[b]	320
Arsenic	5	0%	---	---	---	10	NR
Barium	5	100%	540	L	2107	2000	540
Cobalt	5	20%	2.2	O	---	---	2.2
Iron	5	100%	2100	N	3542	300[b]	2100
Manganese	5	100%	80	L	245	50[c]	80
Nickel	5	20%	5.1	O	---	---	5.1
Zinc	5	40%	69	O	---	5000[b]	69

[a] Distribution Flag: N = Normal; L = Lognormal; X=Nonparametric; O = Insufficient detected samples to determine distribution

1 Smaller of maximum detected concentration and UTL_{95}

[b] Secondary Drinking Water Standard; [c] Action Level (treatment)

NR = Not Reported. Analyte was not detected in background dataset.

Table 9. Concentrations Reported for Potential Background Wells in the Roubidoux Formation

Applicable Analyte	Drinking Water MCLs	Concentrations in Potential Background Wells[a]	
		Minimum	Maximum
Radionuclide (unit is pCi/L)			
Thorium-228		-0.001 U	0.03 U
Thorium-230	---	-0.04 U	0.02 U
Thorium-232	---	0.02 U	0.02 U
Uranium-234	---	2.07	3.28
Uranium-235	---	0.05	0.06 U
Uranium-238	---	0.19	0.24
Metal (Unit is ug/L)			
Aluminum	50 to 200[b]	100 U	100 U
Arsenic	10	10 U	10 U
Barium	2000	65	100
Iron	300[b]	100 U	100 U
Manganese	50[c]	2.4 U	3.7
Zinc	5000[b]	6 U	150

[a] Wells BR03RB and BR04RB

[b] Secondary Drinking Water Standard; [c] Action Level (treatment)

[d] No Radium-226 or Radium-228 analysis was conducted for BR03RB or BR04RB.

U= Nondetect

4. CONCLUSION

The background evaluation was performed to determine background concentrations for applicable analytes present in surface and subsurface soil, surface water, sediment, and groundwater at the Site. As a part of this evaluation, background locations were identified and media-specific sampling activities were conducted. Secondly, the evaluation performed two data screens (frequency of detection screen and weight-of-evidence screen) to identify media-specific analytes that were applicable for use in the background evaluation. A probability plot graphical method was then used to differentiate site versus background sampling results for different analytes in various environmental media, and to determine an appropriate background dataset. The background datasets for surface water and groundwater include fewer detected samples. As a result, the sampling results that were not impacted by the site contamination were identified, and were included with the background dataset to determine the background concentrations for applicable analytes present in surface water and groundwater. Based on the distribution of the background dataset, 95% UTLs were determined for each applicable analyte in a particular medium. The smaller value of 95% UTL and the maximum detected concentration was considered to be the background concentration for that analyte in that medium. The background concentration was not determined for those analytes that were not detected in the background samples. Table 10 presents the results of background concentrations for each applicable analyte present at various environmental media at the Site.

Table 10: Background Concentrations for Applicable Analytes

Types of Analyte	Applicable Analyte	Background Concentrations				
		Surface Soil	Subsurface Soil	Surface Water	Overburden Groundwater	Jeff erson City Formation Groundwater
Units		pCi/g		pCi/L		
Radionuclides	Actinium-228	1.8	1.83	-	-	-
	Bismuth-212	2.05	2.62	-	-	-
	Bismuth-214	1.1	1.15	-	-	-
	Cesium-137	0.16	-	-	-	-
	Lead-212	1.44	1.7	-	-	-
	Lead-214	1.13	1.21	-	-	-
	Neptunium-237	0.01	0.01	-	-	-
	Plutonium-239/240	0.02	-	-	-	-
	Radium-226				0.26	1.4
	Radium-228				-	0.85
	Thorium-228	1.35	1.33	-	-	1.00
	Thorium-230	1.39	1.30	-	-	0.69
	Thorium-232	1.32	1.32	-	0.067	0.74
	Thorium-234	2.2	4.03	-	-	-
	Uranium-234	0.97	0.92	0.76	1.68	4.45
	Uranium-235	0.07	0.08	0.10	0.067	0.07
	Uranium-238	1	0.99	0.82	0.81	1.21
Units		mg/kg		mg/L	ug/L	
Metals	Aluminum	17000	17000	0.98	1100	320
	Arsenic	9.6	9.8	-	-	-
	Barium	330	320	0.14	390	540
	Beryllium	0.77	0.92	-	-	-
	Chromium	17	24	-	-	-
	Cadmium	0.6	0.72	-		
	Cobalt	17	14		2.4	2.2
	Copper	13	13	-	20	-
	Iron	26000	24000	1	34000	2100
	Lead	81	90	-	8.2	-
	Manganese	1100	960	0.38	3300	80
	Mercury	0.04	0.05	-	-	-
	Nickel	14	17	-	31	5.1
	Selenium	0.97	0.85	-	-	-
	Vanadium	39	40	-	-	-
	Zinc	310	370	-	210	69

ATTACHMENT A
RESULTS OF SCREENING FOR SURFACE SOIL

Attachment A

Table A-1. Results of Screening for Surface Soil - Radionuclides

Radionuclides	Detect?	Number of Samples	Frequency of Detection	Concentration (pCi/g)		Retained for Background Evaluation
				Maximum	Minimum	
Actinium-228	Detect	78	68%	36.4	0.587	**Yes**
	ND	37		1.62	-0.0535	
Americium-241	Detect	4	3%	3.12	1.04	No
	ND	111		3.8	-1.77	
Beryllium-7	ND	115	0%	1.6	-2.32	No
Bismuth-212	Detect	15	13%	41.6	0.182	**Yes**
	ND	100		3.39	-1.16	
Bismuth-214	Detect	101	88%	1.71	0.372	**Yes**
	ND	14		1.12	0.166	
Cesium-137	Detect	50	43%	1.79	0.122	**Yes**
	ND	65		0.309	-0.298	
Cobalt-60	ND	115	0%	0.13	-0.177	No
Lead-212	Detect	102	89%	41.2	0.18	**Yes**
	ND	13		2.14	0.0592	
Lead-214	Detect	108	94%	1.97	0.438	**Yes**
	ND	7		0.924	0.117	
Neptunium-237	Detect	10	8%	0.584	0.0184	**Yes**
	ND	113		0.215	-39.6	
Plutonium 238	Detect	2	7%	0.0222	0.00019	**Yes**
	ND	28		0.00714	-0.00394	
Plutonium 239/240	Detect	8	27%	0.0334	0.00706	**Yes**
	ND	22		0.012	-0.00173	
Potassium-40	Detect	105	91%	23.7	3.45	**Yes**
	ND	10		17.7	0.418	
Protactinium-234	Detect	18	16%	2200	30.5	**Yes**
	ND	97		83.1	-11	
Technetium-99	Detect	62	54%	17100	0.902	**Yes**
	ND	53		22.3	-0.293	
Thorium-228	Detect	5	100%	1.21	0.316	**Yes**
Thorium-230	Detect	5	100%	1.21	0.415	**Yes**
Thorium-232	Detect	5	100%	1.1	0.281	**Yes**
Thorium-234	Detect	55	48%	705	1.91	**Yes**
	ND	60		9.81	-0.484	
Uranium-234	Detect	10	100%	472	0.759	**Yes**
Uranium-235	Detect	47	38%	308	0.026	**Yes**
	ND	77		11.8	-0.285	
Uranium-238	Detect	10	100%	74.3	0.373	**Yes**

ND = Non Detect

Table A-2. Results of Screening for Surface Soil - Metals

Metal	Detect?	Number of Samples	Frequency of Detection	Concentration (mg/kg)		Retained for Background Evaluation
				Maximum	Minimum	
Aluminum	Detect	115	100%	24000	2000	**Yes**
Antimony	Detect	20	17%	21	0.94	**Yes**
	ND	95		8.4	0.87	
Arsenic	Detect	115	100%	160	1.1	**Yes**
Barium	Detect	115	100%	1500	24	**Yes**
Beryllium	Detect	107	93%	5.8	0.35	**Yes**
	ND	8		0.38	0.33	
Cadmium	Detect	70	61%	11	0.23	**Yes**
	ND	45		3.3	0.22	
Calcium	Detect	115	100%	250000	860	No
Chromium	Detect	115	100%	280	4.9	**Yes**
Cobalt	Detect	115	100%	300	0.86	**Yes**
Copper	Detect	115	100%	1800	5.6	**Yes**
Iron	Detect	115	100%	61000	1600	**Yes**
Lead	Detect	115	100%	1400	3.7	**Yes**
Magnesium	Detect	115	100%	53000	790	No
Manganese	Detect	115	100%	4400	41	**Yes**
Mercury	Detect	89	77%	3.4	0.024	**Yes**
	ND	26		2.8	0.022	
Nickel	Detect	115	100%	300	5.3	**Yes**
Potassium	Detect	115	100%	8000	380	No
Selenium	Detect	82	71%	4.1	0.58	**Yes**
	ND	33		2.9	0.54	
Silver	Detect	5	4%	1.1	0.57	No
	ND	110		2	0.54	
Sodium	Detect	35	30%	3300	120	No
	ND	80		2200	120	
Thallium	Detect	9	8%	2.2	0.97	**Yes**
	ND	106		5.4	0.87	
Vanadium	Detect	115	100%	45	5.4	**Yes**
Zinc	Detect	115	100%	1300	19	**Yes**

ND = Non Detect

Attachment A

Table A-3. Results of Screening for Surface Soil - VOCs

VOCs	Detect?	Number of Samples	Frequency of Detection	Concentration (ug/kg)		Retained for Background Evaluation
				Maximum	Minimum	
1,1,2,2-Tetrachloroethane	ND	115	0%	8.2	5.4	No
1,1,2-Trichloroethane	ND	115	0%	8.2	5.4	No
1,1-Dichloroethane	ND	115	0%	8.2	5.4	No
1,2,4-Trichlorobenzene	ND	115	0%	8.2	5.4	No
1,2-Dibromo-3-chloropropane	ND	115	0%	8.2	5.4	No
1,2-Dichloropropane	ND	115	0%	8.2	5.4	No
2-Hexanone	ND	115	0%	16	11	No
2-Propanone	Detect	3	3%	8.5	7	No
	ND	112		16	11	
4-Methyl-2-pentanone	ND	115	0%	16	11	No
Benzene	ND	115	0%	8.2	5.4	No
Bromodichloromethane	ND	115	0%	8.2	5.4	No
Carbon disulfide	ND	115	0%	8.2	5.4	No
Chlorobenzene	ND	115	0%	8.2	5.4	No
Chlorodibromomethane	ND	115	0%	8.2	5.4	No
Chloroethene	ND	115	0%	16	11	No
cis-1,2-Dichloroethene	ND	115	0%	8.2	5.4	No
cis-1,3-Dichloropropene	ND	115	0%	8.2	5.4	No
Ethenyl ester acetic acid	ND	115	0%	16	11	No
Ethyl chloride	ND	115	0%	16	11	No
Ethylbenzene	ND	115	0%	8.2	5.4	No
Ethylene dibromide	ND	115	0%	8.2	5.4	No
Ethylene dichloride	ND	115	0%	8.2	5.4	No
Methyl bromide	ND	115	0%	16	11	No
Methyl chloride	ND	115	0%	16	11	No
Methyl ethyl ketone	ND	115	0%	16	11	No
Methylchloroform	ND	115	0%	8.2	5.4	No
Methylene chloride[1]	Detect	92	80%	8.1	1.1	No
	ND	23		6.5	1.2	
m-Xylene & p-Xylene	ND	115	0%	8.2	5.4	No
O-Xylene	ND	115	0%	8.2	5.4	No
Perchloroethylene	Detect	9	8%	34	1.6	**Yes**
	ND	106		8.2	5.4	
Styrene	ND	115	0%	8.2	5.4	No
Tetrachloromethane	ND	115	0%	8.2	5.4	No
Toluene	Detect	2	2%	2.1	1.6	No
	ND	113		8.2	5.4	
trans-1,2-Dichloroethene	ND	115	0%	8.2	5.4	No
trans-1,3-Dichloropropene	ND	115	0%	8.2	5.4	No
Tribromomethane	ND	115	0%	8.2	5.4	No
Trichloroethene	Detect	1	1%	1.3	1.3	No
	ND	114		8.2	5.4	No
Trichloromethane	ND	115	0%	8.2	5.4	No
Vinylidene chloride	ND	115	0%	8.2	5.4	No

ND = Non Detect

1 Very common laboratory analyte, hence not retained for background evaluation.

Table A-4. Results of Screening for Surface Soil - PAHs, PESTs, and PCBs

PAHs, PESTs, and PCBs	Detect?	Number of Samples	Frequency of Detection	Concentration (ug/kg)		Retained for Background Evaluation
				Maximum	Minimum	
4,4'-DDD	Detect	2	2%	2.2	0.46	No
	ND	113		2.7	1.8	
4,4'-DDE	Detect	4	3%	4.7	0.32	No
	ND	111		2.7	1.8	
4,4'-DDT	Detect	10	9%	25	1.4	**Yes**
	ND	105		2.7	1.8	
Acenaphthene	Detect	18	16%	410	12	**Yes**
	ND	98		1600	360	
Aldrin	ND	115	0%	2.7	1.8	No
alpha-BHC	Detect	1	1%	31	31	No
	ND	114		2.7	1.8	
Anthracene	Detect	19	17%	1100	29	**Yes**
	ND	96		780	360	
Arochlor 1242	ND	115	0%	200	36	No
Arochlor 1248	ND	115	0%	200	36	No
Arochlor 1260	Detect	25	22%	560	3.6	**Yes**
	ND	90		55	36	
Arochlor-1016	ND	115	0%	200	36	No
Arochlor-1221	ND	115	0%	400	72	No
Arochlor-1232	ND	115	0%	200	36	No
Benz[e]acephenanthrylene	Detect	85	74%	12000	20	**Yes**
	ND	30		460	390	
Benzanthracene	Detect	80	70%	6400	18	**Yes**
	ND	35		460	390	
Benzo[a]pyrene	Detect	79	69%	7000	16	**Yes**
	ND	36		460	390	
Benzo[k]fluoranthene	Detect	51	44%	3800	25	**Yes**
	ND	64		780	380	
Chlorodane	ND	115	0%	27	18	No
Chrysene	Detect	79	69%	8200	18	**Yes**
	ND	36		460	390	
Dibenz[a,h]anthracene	Detect	4	3%	440	35	No
	ND	113		4200	200	
Dieldrin	Detect	3	3%	7	1.4	No
	ND	112		2.7	1.8	
Endosulfan I	Detect	1	1%	0.79	0.79	No
	ND	114		2.7	1.8	
Endosulfan II	Detect	7	6%	4.2	0.16	**Yes**
	ND	108		2.7	1.8	
Endrin	Detect	10	9%	21	0.3	**Yes**
	ND	105		2.7	1.8	
Heptachlor	Detect	1	1%	11	11	No
	ND	114		2.7	1.8	
Heptachlor epoxide	ND	115	0%	2.7	1.8	No
Indeno(1,2,3-cd)pyrene	Detect	46	40%	5800	29	**Yes**
	ND	69		780	360	

Table A-4. Results of Screening for Surface Soil - PAHs, PESTs, and PCBs

PAHs, PESTs, and PCBs	Detect?	Number of Samples	Frequency of Detection	Concentration (ug/kg)		Retained for Background Evaluation
				Maximum	Minimum	
Lindane	ND	115	0%	2.7	1.8	No
Methoxychlor	ND	115	0%	14	9	No
PCB-1254	Detect	14	12%	540	21	**Yes**
	ND	101		200	36	
Pyrene	Detect	68	59%	38000	39	**Yes**
	ND	47		460	380	
Toxaphene	ND	115	0%	140	90	No

ND = Non Detect

Table A-5. Results of Screening for Surface Soil - BNAs

BNAs	Detect?	Number of Samples	Frequency of Detection	Concentration (ug/kg)		Retained for Background Evaluation
				Maximum	Minimum	
1,1'-Oxybis[2-ethane]	ND	345	0%	4200	360	No
1,2-Dichlorobenzene	ND	345	0%	4200	360	No
2,4,5-Trichlorophenol	ND	345	0%	21000	1800	No
2,4,6-Trichlorophenol	ND	345	0%	4200	360	No
2,4-Dichlorophenol	ND	345	0%	4200	360	No
2,4-Dimethylphenol	ND	345	0%	4200	360	No
2,4-Dinitrophenol	ND	345	0%	21000	1800	No
2,4-Dinitrotoluene	ND	345	0%	4200	360	No
2-Chlorophenol	ND	345	0%	4200	360	No
2-Methyl-1,3-dinitrobenzene	ND	345	0%	4200	360	No
2-Methylphenol	ND	345	0%	4200	360	No
3,3'-Dichlorobenzidine	ND	345	0%	21000	1800	No
4-Chlorobenzenamine	ND	239	0%	4200	360	No
Benzoic Acid	ND	232	0%	21000	1800	No
Benzyl butyl phthalate	Detect	139	38%	220	29	**Yes**
	ND	226		4200	360	
Bis(2-ethylhexyl)phthalate	Detect	138	39%	4700	79	**Yes**
	ND	212		4200	360	
Carbazole	Detect	231	50%	1000	22	**Yes**
	ND	230		1600	360	
Diethyl phthalate	ND	230	0%	4200	360	No
Di-n-butyl phthalate	Detect	117	36%	3900	26	**Yes**
	ND	211		4200	370	
Di-n-octyl phthalate	Detect	207	48%	350	84	**Yes**
	ND	228		4200	360	
Fluoranthene	Detect	131	49%	14000	16	**Yes**
	ND	139		440	390	
Fluorene	Detect	117	35%	530	19	**Yes**
	ND	215		1600	360	
Hexachlorobenzene	Detect	230	40%	40	40	**Yes**
	ND	344		4200	360	
Hexachlorocyclopentadiene	ND	231	0%	4200	360	No
Hexachloroethane	ND	230	0%	4200	360	No
Isophorone	Detect	126	35%	200	200	**Yes**
	ND	232		4200	360	
Naphthalene	Detect	233	41%	100	25	**Yes**
	ND	337		4200	360	
Nitrobenzene	ND	345	0%	4200	360	No
N-Nitrosodiphenylamine	ND	345	0%	4200	360	No
n-Nitrosodipropylamine	ND	345	0%	4200	360	No
p-Dichlorobenzene	ND	345	0%	4200	360	No
Pentachlorophenol	ND	230	0%	21000	1800	No
Phenol	ND	115	0%	4200	360	No

ND = Non Detect

ATTACHMENT B
RESULTS OF SCREENING FOR SUBSURFACE SOIL

Table B-1. Results of Screening for Subsurface Soil - Radionuclides

Radionuclides	Detect?	Number of Samples	Frequency of Detection	Concentration (pCi/g)		Retained for Background Evaluation
				Maximum	Minimum	
Actinium-228	Detect	192	50%	2.38	0.562	**Yes**
	ND	190		1.4	-0.157	
Americium-241	Detect	10	3%	0.265	0.00282	No
	ND	386		0.747	-0.716	
Beryllium-7	Detect	1	0%	1.24	1.24	No
	ND	381		1.45	-2.14	
Bismuth-212	Detect	15	4%	4.4	1.81	No
	ND	367		3.3	-1.7	
Bismuth-214	Detect	294	77%	1.53	0.264	**Yes**
	ND	88		0.637	-0.223	
Cesium-137	Detect	1	0%	0.171	0.171	No
	ND	381		0.256	-0.241	
Cobalt-60	Detect	4	1%	0.19	0.12	No
	ND	378		0.189	-0.205	
Lead-212	Detect	327	86%	2.33	0.186	**Yes**
	ND	55		0.291	-0.0416	
Lead-214	Detect	342	90%	1.36	0.268	**Yes**
	ND	40		0.528	-0.0522	
Neptunium-237	Detect	7	2%	0.353	0.00507	No
	ND	382		13.4	-26.3	
Plutonium 238	Detect	1	4%	0.00445	0.00445	No
	ND	25		0.00856	-0.00328	
Plutonium 239/240	Detect	8	31%	0.00783	0.00266	**Yes**
	ND	18		0.00753	-0.00226	
Potassium-40	Detect	345	90%	22.8	2.2	**Yes**
	ND	37		3	0.136	
Protactinium-234	Detect	4	1%	80	45	No
	ND	378		31.2	-25.7	
Technetium-99	Detect	51	14%	131	0.785	**Yes**
	ND	301		1.45	-0.828	
Thorium-228	Detect	32	100%	2.39	0.542	**Yes**
Thorium-230	Detect	32	100%	1.74	0.675	**Yes**
Thorium-232	Detect	32	100%	2.5	0.418	**Yes**
Thorium-234	Detect	25	7%	71	2.34	**Yes**
	ND	357		2.74	-1.9	
Uranium-234	Detect	31	100%	604	0.494	**Yes**
Uranium-235	Detect	44	11%	23.1	0.0228	**Yes**
	ND	339		1.2	-0.539	
Uranium-238	Detect	31	100%	27.2	0.474	**Yes**

ND = Non Detect

Table B-2. Results of Screening for Subsurface Soil - Metals

VOCs	Detect?	Number of Samples	Freq of Detection	Concentration (mg/kg)		Retained for Background Evaluation
				Maximum	Minimum	
Aluminum	Detect	376	100%	27000	680	**Yes**
Antimony	Detect	13	3%	1.8	1	No
	ND	363		1.2	0.85	
Arsenic	Detect	376	100%	24	1.1	**Yes**
Barium	Detect	376	100%	790	9.6	**Yes**
Beryllium	Detect	327	87%	2.8	0.35	**Yes**
	ND	49		0.38	0.32	
Cadmium	Detect	57	15%	4.7	0.22	**Yes**
	ND	319		0.59	0.21	
Calcium	Detect	376	100%	190000	300	No
Chromium	Detect	376	100%	49	5.8	**Yes**
Cobalt	Detect	376	100%	54	1.7	**Yes**
Copper	Detect	376	100%	38	1.5	**Yes**
Iron	Detect	376	100%	35000	2100	**Yes**
Lead	Detect	376	100%	680	3.8	**Yes**
Magnesium	Detect	376	100%	77000	160	No
Manganese	Detect	376	100%	5700	20	**Yes**
Mercury	Detect	95	25%	0.54	0.02	**Yes**
	ND	281		0.029	0.013	
Nickel	Detect	376	100%	97	2.7	**Yes**
Potassium	Detect	373	99%	4400	120	No
	ND	3		120	110	
Selenium	Detect	217	58%	2.9	0.55	**Yes**
	ND	159		1.5	0.53	
Silver	Detect	1	0%	0.85	0.85	No
	ND	375		0.74	0.53	
Sodium	Detect	47	13%	1600	130	No
	ND	329		150	110	
Thallium	Detect	78	21%	2.6	0.99	**Yes**
	ND	298		5.4	0.85	
Vanadium	Detect	376	100%	56	8	**Yes**
Zinc	Detect	376	100%	850	18	**Yes**

ND = Non Detect

Table B-3. Results of Screening for Subsurface Soil - VOCs

VOCs	Detect?	Number of Samples	Frequency of Detection	Concentration (ug/kg)		Retained for Background Evaluation?
				Maximum	Minimum	
1,1,2,2-Tetrachloroethane	ND	376	0%	810000	5.3	No
1,1,2-Trichloroethane	ND	376	0%	810000	5.3	No
1,1-Dichloroethane	Detect	45	12%	310	1.6	**Yes**
	ND	344		810000	5.3	
1,2,4-Trichlorobenzene	Detect	1	0%	2.5	2.5	No
	ND	376		810000	5.3	
1,2-Dibromo-3-chloropropane	ND	376	0%	810000	5.3	No
1,2-Dichloropropane	ND	376	0%	810000	5.3	No
2-Hexanone	ND	376	0%	1600000	11	No
2-Propanone	Detect	103	27%	1300	7.5	**Yes**
	ND	284		1600000	11	
4-Methyl-2-pentanone	ND	376	0%	1600000	11	No
Benzene	ND	376	0%	810000	5.3	No
Bromodichloromethane	ND	376	0%	810000	5.3	No
Carbon disulfide	Detect	7	2%	290	1.5	No
	ND	370		810000	5.3	
Chlorobenzene	ND	376	0%	810000	5.3	No
Chlorodibromomethane	ND	376	0%	810000	5.3	No
Chloroethene	Detect	12	3%	15	1.6	No
	ND	371		1600000	11	
cis-1,2-Dichloroethene	Detect	69	18%	430	1.5	**Yes**
	ND	316		810000	5.3	
cis-1,3-Dichloropropene	ND	376	0%	810000	5.3	No
Ethenyl ester acetic acid	ND	376	0%	1600000	11	No
Ethyl chloride	Detect	2	1%	29	3.1	No
	ND	375		1600000	11	
Ethylbenzene	ND	376	0%	810000	5.3	No
Ethylene dibromide	ND	376	0%	810000	5.3	No
Ethylene dichloride	Detect	4	1%	9.7	1.9	No
	ND	376		810000	5.3	
Methyl bromide	ND	376	0%	1600000	11	No
Methyl chloride	ND	376	0%	1600000	11	No
Methyl ethyl ketone	Detect	14	4%	46	7	No
	ND	364		1600000	11	
Methylchloroform	Detect	25	6%	690	1.3	**Yes**
	ND	365		810000	5.3	
Methylene chloride[1]	Detect	173	44%	3200	0.97	No
	ND	218		810000	5.4	
m-Xylene & p-Xylene	ND	376	0%	810000	5.3	No
O-Xylene	ND	376	0%	810000	5.3	No
Perchloroethylene	Detect	122	32%	7700000	1.1	**Yes**
	ND	255		58	5.3	
Styrene	ND	376	0%	810000	5.3	No
Tetrachloromethane	Detect	1	0%	45	45	No
	ND	376		810000	5.3	

Table B-3. Results of Screening for Subsurface Soil - VOCs

VOCs	Detect?	Number of Samples	Frequency of Detection	Concentration (ug/kg)		Retained for Background Evaluation?
				Maximum	Minimum	
Toluene	Detect	17	4%	15	1.3	No
	ND	362		810000	5.3	
trans-1,2-Dichloroethene	Detect	6	2%	22	1.7	No
	ND	375		810000	5.3	
trans-1,3-Dichloropropene	ND	376	0%	810000	5.3	No
Tribromomethane	ND	376	0%	810000	5.3	No
Trichloroethene	Detect	95	25%	4800	1.2	**Yes**
	ND	290		810000	5.3	
Trichloromethane	Detect	2	1%	12	5.5	No
	ND	376		810000	5.3	
Vinylidene chloride	Detect	46	12%	3600	1.6	**Yes**
	ND	349		810000	5.3	

ND = Non Detect

1 Very common laboratory analyte. Hence not retained for background evaluation.

Table B-4. Results of Screening for Subsurface Soil - PAHs, PESTs, and PCBs

PAHs, PESTs, and PCBs	Detect?	Number of Samples	Frequency of Detection	Concentration (ug/kg)		Retained for Background Screen?
				Maximum	Minimum	
4,4'-DDD	ND	376	0%	2.5	1.8	No
4,4'-DDE	Detect	1	0%	3	3	No
	ND	375		2.5	1.8	
4,4'-DDT	Detect	2	1%	1.1	0.73	No
	ND	374		2.5	1.8	
Acenaphthene	Detect	8	2%	740	9.2	No
	ND	368		490	350	
Aldrin	ND	376	0%	2.5	1.8	No
alpha-BHC	Detect	4	1%	1.3	0.12	No
	ND	372		2.5	1.8	
Anthracene	Detect	7	2%	420	21	No
	ND	369		490	350	
Arochlor 1242	ND	376	0%	49	35	No
Arochlor 1248	ND	376	0%	49	35	No
Arochlor 1260	Detect	2	1%	4.1	3.2	No
	ND	374		49	35	
Aroclor-1016	ND	376	0%	49	35	No
Arochlor-1221	ND	376	0%	98	71	No
Arochlor-1232	ND	376	0%	49	35	No
Benz[e]acephenanthrylene	Detect	18	5%	1800	19	No
	ND	358		490	350	
Benzanthracene	Detect	17	5%	630	18	No
	ND	359		490	350	
Benzo[a]pyrene	Detect	14	4%	780	23	No
	ND	362		490	350	
Benzo[k]fluoranthene	Detect	10	3%	620	37	No
	ND	366		490	350	
Chlorodane	ND	376	0%	25	18	No
Chrysene	Detect	16	4%	1000	18	No
	ND	360		490	350	
Dibenz[a,h]anthracene	ND	376	0%	820	350	No
Dieldrin	ND	376	0%	2.5	1.8	No
Endosulfan I	ND	376	0%	2.5	1.8	No
Endosulfan II	Detect	1	0%	0.8	0.8	No
	ND	375		2.5	1.8	
Endrin	Detect	1	0%	0.65	0.65	No
	ND	375		2.5	1.8	
Heptachlor	ND	376	0%	2.5	1.8	No
Heptachlor epoxide	ND	376	0%	2.5	1.8	No
Indeno(1,2,3-cd)pyrene	Detect	5	1%	360	63	No
	ND	371		820	350	
Lindane	Detect	2	1%	0.23	0.2	No
	ND	374		2.5	1.8	
Methoxychlor	ND	376	0%	12	8.8	No
PCB-1254	Detect	2	1%	67	22	No
	ND	374		49	35	
Pyrene	Detect	16	4%	7800	43	No
	ND	360		490	350	
Toxaphene	ND	376	0%	120	88	No

ND = Non Detect

Attachment B

Table B-5. Results of Screening for Subsurface Soil - BNAs

BNAs	Detect?	Number of Samples	Frequency of Detection	Concentration (ug/kg)		Retained for Background Evaluation
				Maximum	Minimum	
1,1'-Oxybis[2-ethane]	ND	376	0%	820	350	No
1,2-Dichlorobenzene	ND	376	0%	820	350	No
2,4,5-Trichlorophenol	ND	376	0%	4100	1800	No
2,4,6-Trichlorophenol	ND	376	0%	820	350	No
2,4-Dichlorophenol	ND	376	0%	820	350	No
2,4-Dimethylphenol	ND	376	0%	820	350	No
2,4-Dinitrophenol	ND	376	0%	4100	1800	No
2,4-Dinitrotoluene	ND	376	0%	820	350	No
2-Chlorophenol	ND	376	0%	820	350	No
2-Methyl-1,3-dinitrobenzene	ND	376	0%	820	350	No
2-Methylphenol	Detect	1	0%	34	34	No
	ND	375		820	350	
3,3'-Dichlorobenzidine	ND	376	0%	4100	1800	No
4-Chlorobenzenamine	ND	376	0%	820	350	No
Benzoic Acid	ND	376	0%	4100	1800	No
Benzyl butyl phthalate	Detect	3	1%	1500	110	No
	ND	373		820	350	
Bis(2-ethylhexyl)phthalate	Detect	27	7%	2400	81	**Yes**
	ND	349		490	350	
Carbazole	Detect	5	1%	250	48	No
	ND	371		490	350	
Diethyl phthalate	ND	376	0%	820	350	No
Di-n-butyl phthalate	Detect	1	0%	280	280	No
	ND	375		820	350	
Di-n-octyl phthalate	Detect	1	0%	93	93	No
	ND	375		820	350	
Fluoranthene	Detect	23	6%	3500	17	**Yes**
	ND	353		490	350	
Fluorene	Detect	5	1%	500	25	No
	ND	371		490	350	
Hexachlorobenzene	ND	376	0%	820	350	No
Hexachlorocyclopentadiene	ND	376	0%	820	350	No
Hexachloroethane	Detect	4	1%	430	25	No
	ND	372		820	350	
Isophorone	ND	376	0%	820	350	No
Naphthalene	Detect	1	0%	19	19	No
	ND	375		820	350	
Nitrobenzene	ND	376	0%	820	350	No
N-Nitrosodiphenylamine	ND	376	0%	820	350	No
n-Nitrosodipropylamine	ND	376	0%	820	350	No
p-Dichlorobenzene	ND	376	0%	820	350	No
Pentachlorophenol	ND	376	0%	4100	1800	No
Phenol	ND	376	0%	820	350	No

ND = Non Detect

ATTACHMENT C
RESULTS OF SCREENING FOR SURFACE WATER

Table C-1. Results of Screening for Surface Water - Radionuclides

Radionuclides	Detect?	Number of Samples	Frequency of Detection	Concentration (pCi/L)		Retained for Background Evaluation
				Maximum	Minimum	
Technetium-99	ND	7	0%	2.39	-0.978	No
Thorium-228	ND	7	0%	0.0864	0.0087	No
Thorium-230	ND	7	0%	0.0368	-0.0104	No
Thorium-232	ND	7	0%	0.0293	-0.0102	No
Uranium-234	Detect	7	100%	29.6	0.483	Yes
Uranium-235	Detect	6	86%	1.24	0.0545	Yes
	ND	1		0.00439	0.00439	
Uranium-238	Detect	7	100%	4.77	0.152	Yes

ND = Non-Detect

Table C-2. Results of Screening for Surface Water - Metals

Metal	Detect?	Number of Samples	Freq of Detection	Concentration (mg/L)		Retained for Background Evaluation
				Maximum	Minimum	
Aluminum	Detect	5	71%	19	0.1	**Yes**
	ND	2		0.1	0.1	
Antimony	ND	7	0%	0.02	0.02	No
Arsenic	Detect	1	14%	0.011	0.011	**Yes**
	ND	6		0.01	0.01	
Barium	Detect	7	100%	0.63	0.069	**Yes**
Beryllium	ND	7	0%	0.0026	0.0026	No
Cadmium	ND	7	0%	0.002	0.002	No
Calcium	Detect	7	100%	66	45	No
Chromium	Detect	1	14%	0.026	0.026	**Yes**
	ND	6		0.004	0.004	
Cobalt	Detect	1	14%	0.017	0.017	**Yes**
	ND	6		0.002	0.002	
Copper	Detect	1	14%	0.055	0.055	**Yes**
	ND	6		0.01	0.01	
Iron	Detect	4	57%	23	0.15	**Yes**
	ND	3		0.1	0.1	
Lead	Detect	1	14%	0.068	0.068	**Yes**
	ND	6		0.003	0.003	
Magnesium	Detect	7	100%	40	28	No
Manganese	Detect	7	100%	1.3	0.015	**Yes**
Mercury	ND	7	0%	0.0002	0.0002	No
Nickel	Detect	1	14%	0.031	0.031	**Yes**
	ND	6		0.005	0.005	
Potassium	Detect	7	100%	5	1.4	No
Selenium	ND	7	0%	0.005	0.005	No
Silver	ND	7	0%	0.01	0.01	No
Sodium	Detect	7	100%	11	7.6	No
Thallium	ND	7	0%	0.01	0.01	No
Vanadium	Detect	1	14%	0.045	0.045	**Yes**
	ND	6		0.01	0.01	
Zinc	Detect	3	43%	0.35	0.012	**Yes**
	ND	4		0.006	0.006	

ND = Non Detect

Table C-3. Results of Screening for Surface Water - VOCs

VOCs	Detect?	Number of Samples	Frequency of Detection	Concentration (ug/L)		Retained for Background Evaluation
				Maximum	Minimum	
1,1,2,2-Tetrachloroethane	ND	7	0%	5	5	No
1,1,2-Trichloroethane	ND	7	0%	5	5	No
1,1-Dichloroethane	ND	7	0%	5	5	No
1,2,4-Trichlorobenzene	ND	7	0%	5	5	No
1,2-Dibromo-3-chloropropane	ND	7	0%	5	5	No
1,2-Dichloropropane	ND	7	0%	5	5	No
2-Hexanone	ND	7	0%	10	10	No
2-Propanone	ND	7	0%	10	10	No
4-Methyl-2-pentanone	ND	7	0%	10	10	No
Benzene	ND	7	0%	5	5	No
Bromodichloromethane	ND	7	0%	5	5	No
Carbon disulfide	ND	7	0%	5	5	No
Chlorobenzene	ND	7	0%	5	5	No
Chlorodibromomethane	ND	7	0%	5	5	No
Chloroethene	ND	7	0%	10	10	No
cis-1,2-Dichloroethene	Detect	2	29%	4.4	0.66	**Yes**
	ND	5		5	5	
cis-1,3-Dichloropropene	ND	7	0%	5	5	No
Ethenyl ester acetic acid	ND	7	0%	10	10	No
Ethyl chloride	ND	7	0%	10	10	No
Ethylbenzene	ND	7	0%	5	5	No
Ethylene dibromide	ND	7	0%	5	5	No
Ethylene dichloride	ND	7	0%	5	5	No
Methyl bromide	ND	7	0%	10	10	No
Methyl chloride	ND	7	0%	10	10	No
Methyl ethyl ketone	ND	7	0%	10	10	No
Methylchloroform	ND	7	0%	5	5	No
Methylene chloride [1]	Detect	3	43%	2.6	1.1	No
	ND	4		5	5	
m-Xylene & p-Xylene	ND	7	0%	5	5	No
O-Xylene	ND	7	0%	5	5	No
Perchloroethylene	1	3	43%	2.1	0.73	**Yes**
	ND	4		5	5	
Styrene	ND	7	0%	5	5	No
Tetrachloromethane	ND	7	0%	5	5	No
Toluene	ND	7	0%	5	5	No
trans-1,2-Dichloroethene	ND	7	0%	5	5	No
trans-1,3-Dichloropropene	ND	7	0%	5	5	No
Tribromomethane	ND	7	0%	5	5	No
Trichloroethene	1	2	29%	0.84	0.64	Yes
	ND	5		5	5	
Trichloromethane	ND	7	0%	5	5	No
Vinylidene chloride	ND	7	0%	5	5	No

ND = Non Detect

1 Very common laboratory analyte. Hence not retained for background evaluation.

Table C-4. Results of Screening for Surface Water - PAHs, PESTs, and PCBs

PAHs, PESTs, and PCBs	Detect?	Number of Samples	Freq of Detection	Concentration (ug/L)		Retained for Background Evaluation
				Maximum	Minimum	
4,4'-DDD	ND	7	0%	0.054	0.048	No
4,4'-DDE	ND	7	0%	0.054	0.048	No
4,4'-DDT	ND	7	0%	0.054	0.048	No
Acenaphthene	ND	7	0%	10	9.4	No
Aldrin	ND	7	0%	0.054	0.048	No
alpha-BHC	ND	7	0%	0.054	0.048	No
Anthracene	ND	7	0%	10	9.4	No
Arochlor 1242	ND	7	0%	1.1	0.96	No
Arochlor 1248	ND	7	0%	1.1	0.96	No
Arochlor 1260	ND	7	0%	1.1	0.96	No
Aroclor-1016	ND	7	0%	1.1	0.96	No
Aroclor-1221	ND	7	0%	2.2	1.9	No
Aroclor-1232	ND	7	0%	1.1	0.96	No
Benz[e]acephenanthrylene	ND	7	0%	10	9.4	No
Benzanthracene	ND	7	0%	10	9.4	No
Benzo[a]pyrene	ND	7	0%	10	9.4	No
Benzo[k]fluoranthene	ND	7	0%	10	9.4	No
Chlorodane	ND	7	0%	0.54	0.48	No
Chrysene	ND	7	0%	10	9.4	No
Dibenz[a,h]anthracene	ND	7	0%	10	9.4	No
Dieldrin	ND	7	0%	0.054	0.048	No
Endosulfan I	ND	7	0%	0.054	0.048	No
Endosulfan II	ND	7	0%	0.054	0.048	No
Endrin	ND	7	0%	0.054	0.048	No
Heptachlor	ND	7	0%	0.054	0.048	No
Heptachlor epoxide	ND	7	0%	0.054	0.048	No
Indeno(1,2,3-cd)pyrene	ND	7	0%	10	9.4	No
Lindane	ND	7	0%	0.054	0.048	No
Methoxychlor	ND	7	0%	0.27	0.24	No
PCB-1254	ND	7	0%	1.1	0.96	No
Pyrene	ND	7	0%	10	9.4	No
Toxaphene	ND	7	0%	2.7	2.4	No

ND = Non Detect

Table C-5. Results of Screening for Surface Water - BNAs

BNAs	Detect?	Number of Samples	Frequency of Detection	Concentration (ug/L)		Retained for Background Evaluation
				Maximum	Minimum	
1,1'-Oxybis[2-ethane]	ND	7	0%	10	9.4	No
1,2-Dichlorobenzene	ND	7	0%	10	9.4	No
2,4,5-Trichlorophenol	ND	7	0%	52	47	No
2,4,6-Trichlorophenol	ND	7	0%	10	9.4	No
2,4-Dichlorophenol	ND	7	0%	10	9.4	No
2,4-Dimethylphenol	ND	7	0%	10	9.4	No
2,4-Dinitrophenol	ND	7	0%	52	47	No
2,4-Dinitrotoluene	ND	7	0%	10	9.4	No
2-Chlorophenol	ND	7	0%	10	9.4	No
2-Methyl-1,3-dinitrobenzene	ND	7	0%	10	9.4	No
2-Methylphenol	ND	7	0%	10	9.4	No
3,3'-Dichlorobenzidine	ND	7	0%	52	47	No
4-Chlorobenzenamine	ND	7	0%	10	9.4	No
Benzoic Acid	ND	7	0%	52	47	No
Benzyl butyl phthalate	ND	7	0%	10	9.4	No
Bis(2-ethylhexyl)phthalate	ND	7	0%	10	9.4	No
Carbazole	ND	7	0%	10	9.4	No
Diethyl phthalate	ND	7	0%	10	9.4	No
Di-n-butyl phthalate	ND	7	0%	10	9.4	No
Di-n-octyl phthalate	ND	7	0%	10	9.4	No
Fluoranthene	Detect	1	14%	0.97	0.97	**Yes**
	ND	6		10	9.4	
Fluorene	ND	7	0%	10	9.4	No
Hexachlorobenzene	ND	7	0%	10	9.4	No
Hexachlorocyclopentadiene	ND	7	0%	10	9.4	No
Hexachloroethane	ND	7	0%	10	9.4	No
Isophorone	ND	7	0%	10	9.4	No
Naphthalene	ND	7	0%	10	9.4	No
Nitrobenzene	ND	7	0%	10	9.4	No
N-Nitrosodiphenylamine	ND	7	0%	10	9.4	No
n-Nitrosodipropylamine	ND	7	0%	10	9.4	No
p-Dichlorobenzene	ND	7	0%	10	9.4	No
Pentachlorophenol	ND	7	0%	52	47	No
Phenol	ND	7	0%	10	9.4	No

ND = Non Detect

ATTACHMENT D
RESULTS OF SCREENING FOR GROUNDWATER

Table D-1. Results of Screening for Overburden Well Data

Analyte	Detection Frequency	Concentrations				Retained for Weight-of-Evidence Screen	Retained for Background Evaluation
		Detects		Nondetects			
		MIN	MAX	MIN	MAX		
Radionuclides (pCi/L)							
Americium-241	4%	0.03	0.03	-0.01	0.02	No	---
Neptunium-237	9%	0.02	0.09	-0.01	0.01	**Yes**	Yes
Plutonium 238	0%			-0.02	0.02	No	---
Plutonium 239/240	0%			-0.01	0.01	No	---
Radium 226	60%	0.26	0.76	0.05	0.33	**Yes**	Yes
Radium-228	20%	0.92	0.97	-0.09	0.54	**Yes**	Yes
Technetium-99	30%	8.99	5100.00	-2.83	13.40	**Yes**	Yes
Thorium-228	22%	0.09	1.10	-0.03	0.13	**Yes**	Yes
Thorium-230	13%	0.21	1.00	-0.07	0.16	**Yes**	Yes
Thorium-232	35%	0.01	0.83	0.00	0.06	**Yes**	Yes
Uranium-234	85%	0.05	315.00	0.01	0.12	**Yes**	Yes
Uranium-235	32%	0.02	16.50	-0.04	0.05	**Yes**	Yes
Uranium-238	80%	0.04	56.30	0.00	0.06	**Yes**	Yes
Metals (ug/L)							
Aluminum	51%	110	16000	100	100	**Yes**	Yes
Antimony	0%	0	0	20	20	No	---
Arsenic	10%	10	130	10	10	**Yes**	Yes
Barium	100%	27	1300	0	0	**Yes**	Yes
Beryllium	0%	0	0	2.6	2.6	No	---
Cadmium	1%	3.5	3.5	2	2	No	---
Calcium	100%	9600	260000	0	0	Yes	No
Chromium	11%	5.9	37	4	4	**Yes**	Yes
Cobalt	28%	2	42	2	2	**Yes**	Yes
Copper	6%	19	39	10	10	**Yes**	Yes
Iron	83%	130	38000	100	320	**Yes**	Yes
Lead	18%	3.3	59	3	3	**Yes**	Yes
Magnesium	99%	2200	130000	34000	34000	Yes	No
Manganese	99%	1.4	13000	4.6	4.6	**Yes**	Yes
Mercury	0%	0	0	0.2	0.2	No	---
Nickel	49%	5	150	5	5	**Yes**	Yes
Potassium	86%	1000	17000	1000	1000	Yes	No
Selenium	8%	5.1	9.5	5	5	**Yes**	Yes
Silver	0%	0	0	10	10	No	---
Sodium	100%	4200	190000	0	0	Yes	No
Thallium	3%	11	26	10	10	No	---
Vanadium	6%	18	44	10	10	**Yes**	Yes
Zinc	72%	7.1	650	6	6.9	**Yes**	Yes
Volatile Organic Compounds (ug/L)							
1,1,2,2-Tetrachloroethane	0%			5	25000	No	---
1,1,2-Trichloroethane	6%	1.4	8.4	5	25000	**Yes**	Yes
1,1-Dichloroethane	45%	1.3	610	5	25000	**Yes**	Yes
1,2,4-Trichlorobenzene	0%			5	25000	No	---
1,2-Dibromo-3-chloropropane	0%			5	25000	No	---
1,2-Dichloropropane	0%			5	25000	No	---
2-Hexanone	0%			10	50000	No	---
2-Propanone	2%	52	76	10	50000	No	---

Table D-1. Results of Screening for Overburden Well Data

Analyte	Detection Frequency	Concentrations				Retained for Weight-of-Evidence Screen	Retained for Background Evaluation
		Detects		Nondetects			
		MIN	MAX	MIN	MAX		
4-Methyl-2-pentanone	0%			10	50000	No	---
Benzene	2%	1.3	4.8	5	25000	No	---
Bromodichloromethane	0%			5	25000	No	---
Carbon disulfide	5%	1	8	5	25000	No	---
Chlorobenzene	0%			5	25000	No	---
Chlorodibromomethane	0%			5	25000	No	---
Chloroethene (i.e., vinyl chloride)	14%	1.5	1000	10	50000	**Yes**	Yes
cis-1,2-Dichloroethene	57%	1	19000	5	25000	**Yes**	Yes
cis-1,3-Dichloropropene	0%			5	25000	No	---
Ethenyl ester acetic acid	0%			10	50000	No	---
Ethyl chloride (i.e., chloroethane)	1%	52	52	10	50000	No	---
Ethylbenzene	0%			5	25000	No	---
Ethylene dibromide	0%			5	25000	No	---
Ethylene dichloride (i.e., 1,2-DCE)	7%	1.1	8.7	5	25000	**Yes**	Yes
Methyl bromide	0%			10	50000	No	---
Methyl chloride	0%			10	50000	No	---
Methyl ethyl ketone	0%			10	50000	No	---
Methylchloroform	8%	2.2	85	5	25000	**Yes**	Yes
Methylene chloride	13%	2.5	1200	5	25000	**Yes**	Yes
m-Xylene & p-Xylene	0%			5	25000	No	---
O-Xylene	1%	3.7	3.7	5	25000	No	---
Perchloroethylene	61%	1.4	200000	5	1200	**Yes**	Yes
Styrene	0%			5	25000	No	---
Tetrachloromethane	0%			5	25000	No	---
Toluene	2%	1.4	1.7	2.8	25000	No	---
trans-1,2-Dichloroethene	18%	1.4	630	5	25000	**Yes**	Yes
trans-1,3-Dichloropropene	0%			5	25000	No	---
Tribromomethane	0%			5	25000	No	---
Trichloroethene	60%	1.2	18000	5	25000	**Yes**	Yes
Trichloromethane	5%	1.5	6.8	5	25000	No	---
Vinylidene chloride	42%	1.1	5100	5	2500	**Yes**	Yes
Semivolatile Organic Compounds - Base Neutral Acids (ug/L)							
1,1'-Oxybis[2-ethane]	0%			9.4	11	No	---
1,2-Dichlorobenzene	0%			9.4	11	No	---
2,4,5-Trichlorophenol	0%			47	56	No	---
2,4,6-Trichlorophenol	0%			9.4	11	No	---
2,4-Dichlorophenol	0%			9.4	11	No	---
2,4-Dimethylphenol	0%			9.4	11	No	---
2,4-Dinitrophenol	0%			47	56	No	---
2,4-Dinitrotoluene	0%			9.4	11	No	---
2-Chlorophenol	0%			9.4	11	No	---
2-Methyl-1,3-dinitrobenzene	0%			9.4	11	No	---
2-Methylphenol	0%			9.4	11	No	---
3,3'-Dichlorobenzidine	0%			47	56	No	---
4-Chlorobenzenamine	0%			9.4	11	No	---
Benzoic Acid	0%			47	56	No	---
Benzyl butyl phthalate	0%			9.4	11	No	---

Table D-1. Results of Screening for Overburden Well Data

Analyte	Detection Frequency	Concentrations				Retained for Weight-of-Evidence Screen	Retained for Background Evaluation
		Detects		Nondetects			
		MIN	MAX	MIN	MAX		
Bis(2-ethylhexyl)phthalate	21%	4	26	9.4	11	**Yes**	Yes
Carbazole	0%			9.4	11	No	---
Diethyl phthalate	0%			9.4	11	No	---
Di-n-butyl phthalate	0%			9.4	11	No	---
Di-n-octyl phthalate	0%			9.4	11	No	---
Fluoranthene	0%			9.4	11	No	---
Fluorene	0%			9.4	11	No	---
Hexachlorobenzene	0%			9.4	11	No	---
Hexachlorocyclopentadiene	0%			9.4	11	No	---
Hexachloroethane	3%	6.5	6.5	9.4	11	No	---
Isophorone	0%			9.4	11	No	---
Naphthalene	0%			9.4	11	No	---
Nitrobenzene	0%			9.4	11	No	---
N-Nitrosodiphenylamine	0%			9.4	11	No	---
n-Nitrosodipropylamine	0%			9.4	11	No	---
p-Dichlorobenzene	0%			9.4	11	No	---
Pentachlorophenol	0%			47	56	No	---
Phenol	5%	2.1	9.8	9.4	11	No	---

Note: No PCBs, PAHs, or Pesticides were detected in the Overburden so they are not included in this table.

Table D-2. Results of Screening for Jefferson City Well Data

Analyte	Detection Frequency	Concentrations				Retained for Weight-of-Evidence Screen	Retained for Background Evaluation
		Detects		Nondetects			
		MIN	MAX	MIN	MAX		
Radionuclides (pCi/L)							
Americium-241	0%			0.00	0.01	No	---
Neptunium-237	0%			-0.01	0.00	No	---
Plutonium 238	0%			0.00	0.00	No	---
Plutonium 239/240	0%			0.00	0.01	No	---
Radium 226	100%	1.38	1.62			Yes	**Yes**
Radium-228	67%	0.85	1.29	0.24	0.24	Yes	**Yes**
Technetium-99	0%			-1.66	9.25	No	---
Thorium-228	13%	0.11	1.00	-0.02	0.13	Yes	**Yes**
Thorium-230	7%	0.69	0.69	-0.05	0.09	Yes	**Yes**
Thorium-232	13%	0.04	0.74	0.00	0.04	Yes	**Yes**
Uranium-234	100%	0.10	6.03			Yes	**Yes**
Uranium-235	47%	0.05	0.16	0.00	0.04	Yes	**Yes**
Uranium-238	93%	0.15	1.72	0.03	0.03	Yes	**Yes**
Metals (ug/L)							
Aluminum	39%	170	580	100	100	Yes	**Yes**
Antimony	0%	0	0	20	20	No	---
Arsenic	17%	14	23	10	10	Yes	**Yes**
Barium	100%	57	540	0	0	Yes	**Yes**
Beryllium	0%	0	0	2.6	2.6	No	---
Cadmium	0%	0	0	2	2	No	---
Calcium	100%	6700	84000	0	0	Yes	No
Chromium	0%	0	0	4	4	No	---
Cobalt	22%	2.2	7.1	2	2	Yes	**Yes**
Copper	0%	0	0	10	10	No	---
Iron	72%	110	16000	100	190	Yes	**Yes**
Lead	0%	0	0	3	3	No	---
Magnesium	100%	24000	52000	0	0	Yes	No
Manganese	94%	3.6	1700	13	13	Yes	**Yes**
Mercury	0%	0	0	0.2	0.2	No	---
Nickel	44%	5.5	67	5	5	Yes	**Yes**
Potassium	100%	1300	69000	0	0	Yes	No
Selenium	0%	0	0	5	5	No	---
Silver	0%	0	0	10	10	No	---
Sodium	100%	2600	63000	0	0	Yes	No
Thallium	0%	0	0	10	10	No	---
Vanadium	0%	0	0	10	10	No	---
Zinc	67%	7.3	69	6	6	Yes	**Yes**
Volatile Organic Compounds (ug/L)							
1,1,2,2-Tetrachloroethane	0%			5	250	No	---
1,1,2-Trichloroethane	0%			5	250	No	---
1,1-Dichloroethane	56%	3.4	350	5	5	**Yes**	Yes
1,2,4-Trichlorobenzene	0%			5	250	No	---
1,2-Dibromo-3-chloropropane	0%			5	250	No	---
1,2-Dichloropropane	0%			5	250	No	---
2-Hexanone	0%			10	500	No	---

Table D-2. Results of Screening for Jefferson City Well Data

Analyte	Detection Frequency	Concentrations				Retained for Weight-of-Evidence Screen	Retained for Background Evaluation
		Detects		Nondetects			
		MIN	MAX	MIN	MAX		
2-Propanone	6%	9.9	9.9	10	500	**Yes**	Yes
4-Methyl-2-pentanone	0%			10	500	No	---
Benzene	0%			5	250	No	---
Bromodichloromethane	0%			5	250	No	---
Carbon disulfide	0%			5	250	No	---
Chlorobenzene	0%			5	250	No	---
Chlorodibromomethane	0%			5	250	No	---
Chloroethene	31%	1.9	180	10	500	**Yes**	Yes
cis-1,2-Dichloroethene	56%	7.8	2400	5	5	**Yes**	Yes
cis-1,3-Dichloropropene	0%			5	250	No	---
Ethenyl ester acetic acid	0%			10	500	No	---
Ethyl chloride	0%			10	500	No	---
Ethylbenzene	0%			5	250	No	---
Ethylene dibromide	0%			5	250	No	---
Ethylene dichloride	6%	3.9	3.9	5	250	**Yes**	Yes
Methyl bromide	0%			10	500	No	---
Methyl chloride	0%			10	500	No	---
Methyl ethyl ketone	6%	29	29	10	500	**Yes**	Yes
Methylchloroform	13%	1.3	6.9	5	250	**Yes**	Yes
Methylene chloride	0%			5	250	No	---
m-Xylene & p-Xylene	0%			5	250	No	---
O-Xylene	0%			5	250	No	---
Perchloroethylene	56%	6	2200	5	5	**Yes**	Yes
Styrene	0%			5	250	No	---
Tetrachloromethane	0%			5	250	No	---
Toluene	6%	3.7	3.7	5	250	**Yes**	Yes
trans-1,2-Dichloroethene	19%	3.1	27	5	250	**Yes**	Yes
trans-1,3-Dichloropropene	0%			5	250	No	---
Tribromomethane	0%			5	250	No	---
Trichloroethene	56%	20	7700	5	5	**Yes**	Yes
Trichloromethane	0%			5	250	No	---
Vinylidene chloride	50%	9.1	240	5	5	**Yes**	Yes

Note: No PCBs, PAHs, Pesticides, or BNAs were detected in the Jefferson City so they are not included in this table.

Table D-3. Result of Screening for Roubidoux Well Data

Analyte	Detection Frequency	Concentrations				Retained for Weight-of-Evidence Screen	Retained for Background Evaluation
		Detects		Nondetects			
		MIN	MAX	MIN	MAX		
Radionuclides (pCi/L)							
Americium-241	0%			0.00	0.02	No	---
Neptunium-237	0%			-0.01	0.01	No	---
Plutonium 238	0%			0.00	0.00	No	---
Plutonium 239/240	0%			0.00	0.02	No	---
Radium 226	67%	0.73	1.10	-0.01	-0.01	**Yes**	Yes
Radium-228	0%			0.18	0.54	No	---
Technetium-99	0%			-0.27	6.42	No	---
Thorium-228	10%	0.14	0.14	-0.01	0.11	**Yes**	Yes
Thorium-230	0%			-0.05	0.11	No	---
Thorium-232	20%	0.06	0.12	0.00	0.02	**Yes**	Yes
Uranium-234	100%	2.07	12.40			**Yes**	Yes
Uranium-235	70%	0.05	0.09	0.01	0.06	**Yes**	Yes
Uranium-238	100%	0.19	1.22			**Yes**	Yes
Metals (ug/L)							
Aluminum	31%	110	1100	100	100	**Yes**	Yes
Antimony	0%	0	0	20	20	No	---
Arsenic	15%	46	62	10	10	**Yes**	Yes
Barium	100%	65	140	0	0	**Yes**	Yes
Beryllium	0%	0	0	2.6	2.6	No	---
Cadmium	0%	0	0	2	2	No	---
Calcium	100%	56000	79000	0	0	**Yes**	No
Chromium	0%	0	0	4	4	No	---
Cobalt	0%	0	0	2	2	No	---
Copper	0%	0	0	10	10	No	---
Iron	69%	110	740	100	100	**Yes**	Yes
Lead	0%	0	0	3	3	No	---
Magnesium	100%	28000	39000	0	0	**Yes**	No
Manganese	77%	3.7	17	2.4	11	**Yes**	Yes
Mercury	0%	0	0	0.2	0.2	No	---
Nickel	0%	0	0	5	5	No	---
Potassium	100%	1600	4500	0	0	**Yes**	No
Selenium	0%	0	0	5	5	No	---
Silver	0%	0	0	10	10	No	---
Sodium	100%	1600	7100	0	0	**Yes**	No
Thallium	0%	0	0	10	10	No	---
Vanadium	0%	0	0	10	10	No	---
Zinc	38%	6.7	150	6	6	**Yes**	Yes
Volatile Organic Compounds (ug/L)							
1,1,2,2-Tetrachloroethane	0%			5	5	No	---
1,1,2-Trichloroethane	0%			5	5	No	---
1,1-Dichloroethane	0%			5	5	No	---
1,2,4-Trichlorobenzene	0%			5	5	No	---
1,2-Dibromo-3-chloropropane	0%			5	5	No	---
1,2-Dichloropropane	0%			5	5	No	---

Table D-3. Result of Screening for Roubidoux Well Data

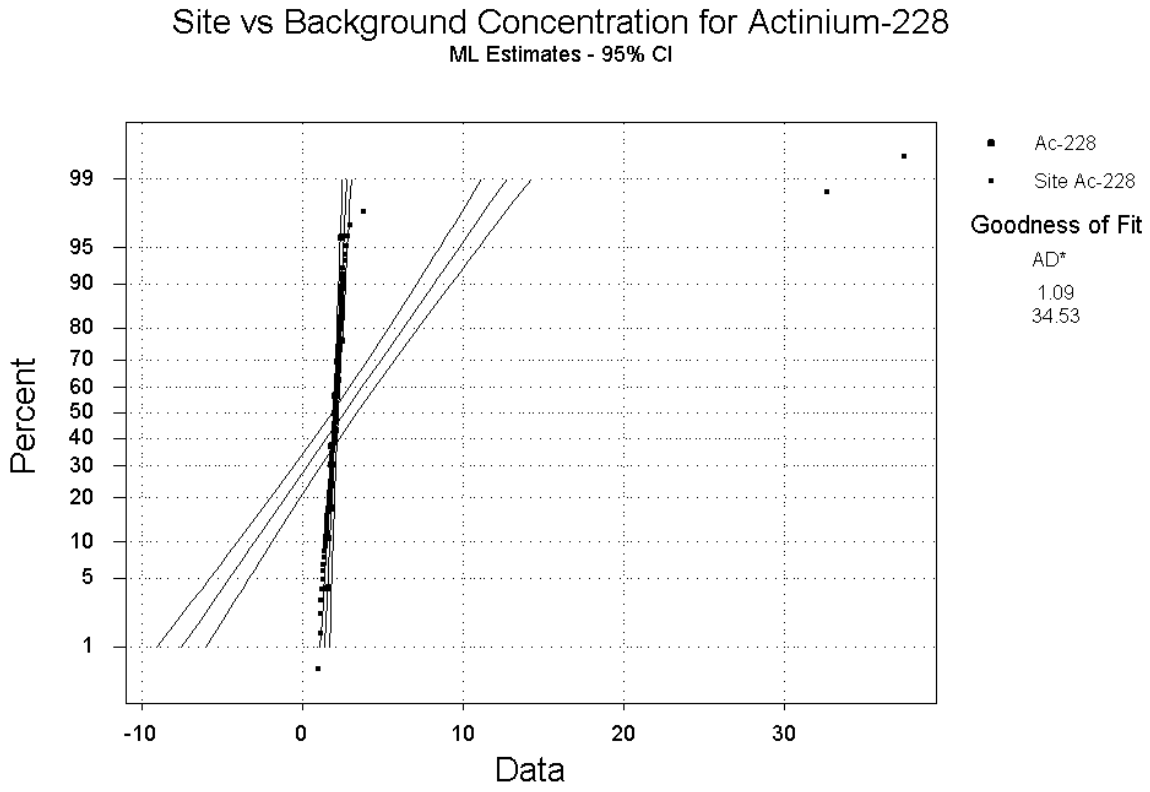
Analyte	Detection Frequency	Concentrations				Retained for Weight-of-Evidence Screen	Retained for Background Evaluation
		Detects		Nondetects			
		MIN	MAX	MIN	MAX		
2-Hexanone	0%			10	10	No	---
2-Propanone	0%			10	10	No	---
4-Methyl-2-pentanone	0%			10	10	No	---
Benzene	0%			5	5	No	---
Bromodichloromethane	0%			5	5	No	---
Carbon disulfide	0%			5	5	No	---
Chlorobenzene	0%			5	5	No	---
Chlorodibromomethane	0%			5	5	No	---
Chloroethene	0%			10	10	No	---
cis-1,2-Dichloroethene	0%			5	5	No	---
cis-1,3-Dichloropropene	0%			5	5	No	---
Ethenyl ester acetic acid	0%			10	10	No	---
Ethyl chloride	0%			10	10	No	---
Ethylbenzene	0%			5	5	No	---
Ethylene dibromide	0%			5	5	No	---
Ethylene dichloride	0%			5	5	No	---
Methyl bromide	0%			10	10	No	---
Methyl chloride	0%			10	10	No	---
Methyl ethyl ketone	0%			10	10	No	---
Methylchloroform	0%			5	5	No	---
Methylene chloride	33%	3.1	4	5	7.6	**Yes**	Yes
m-Xylene & p-Xylene	0%			5	5	No	---
O-Xylene	0%			5	5	No	---
Perchloroethylene	0%			5	5	No	---
Styrene	0%			5	5	No	---
Tetrachloromethane	0%			5	5	No	---
Toluene	0%			5	5	No	---
trans-1,2-Dichloroethene	0%			5	5	No	---
trans-1,3-Dichloropropene	0%			5	5	No	---
Tribromomethane	0%			5	5	No	---
Trichloroethene	20%	1.3	1.9	5	5	**Yes**	Yes
Trichloromethane	0%			5	5	No	---
Vinylidene chloride	0%			5	5	No	---

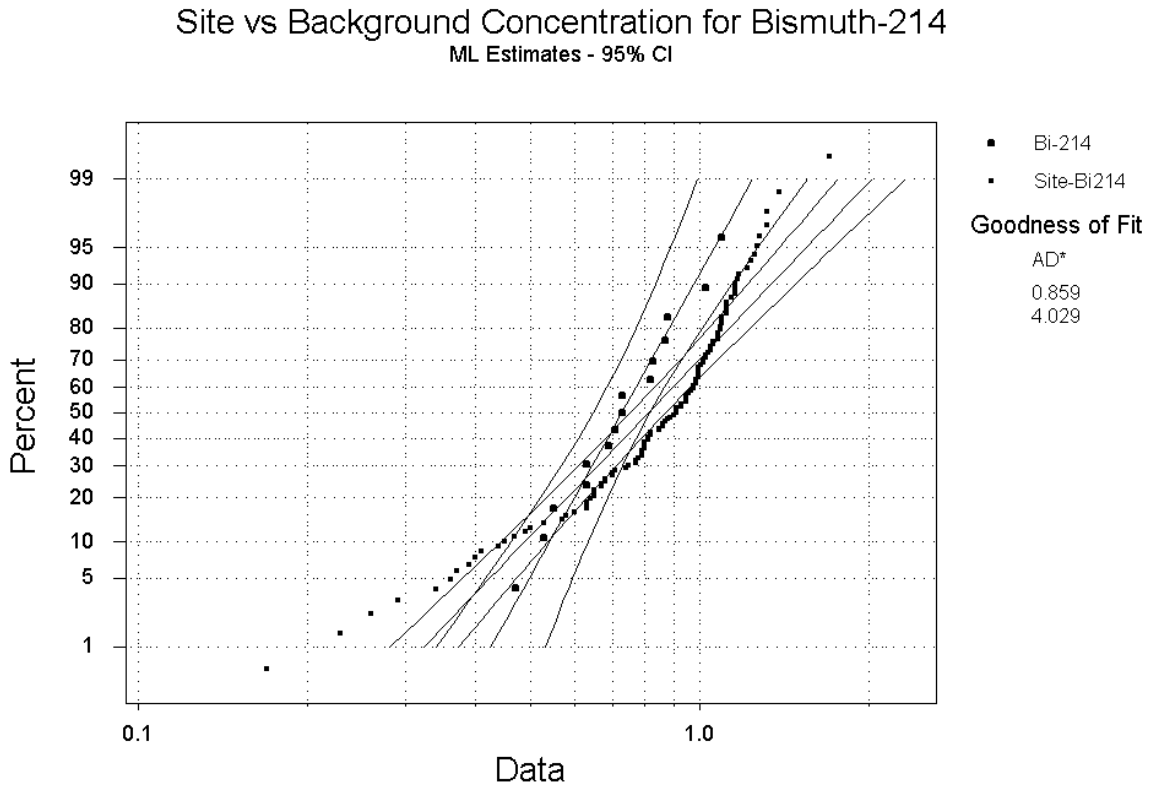
Note: No PCBs, PAHs, Pesticides, or BNAs were detected in the Roubidoux so they are not included in this table.

ATTACHMENT E

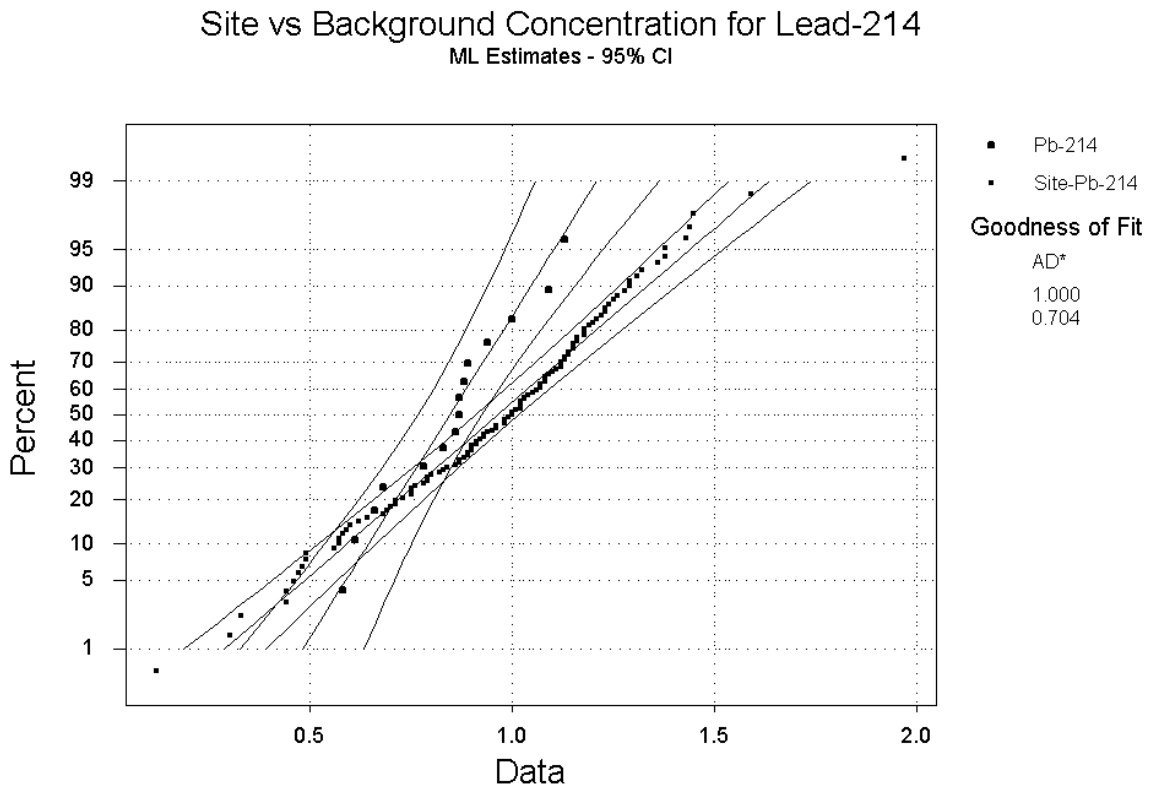
COMPARISON OF SITE AND BACKGROUND SURFACE SOIL SAMPLING RESULTS USING PROBABILITY PLOTS

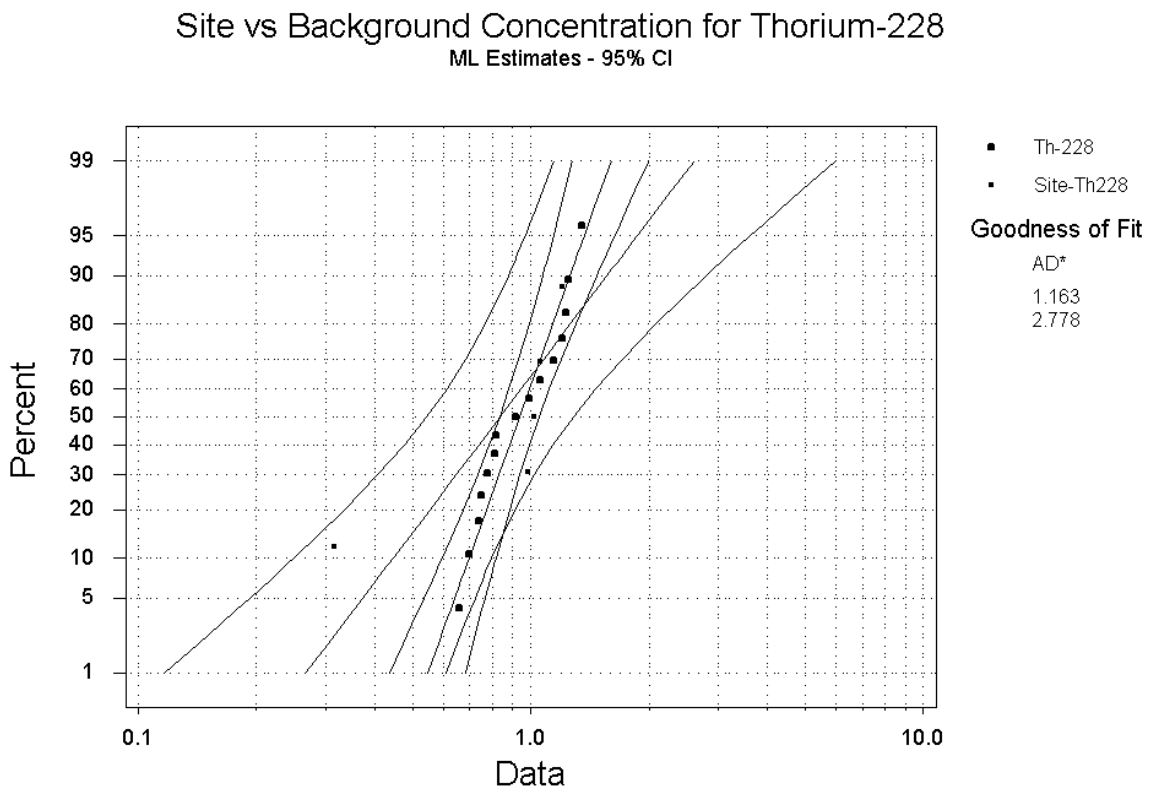
Attachment E
Probability Plots for Surface Soil Analytes

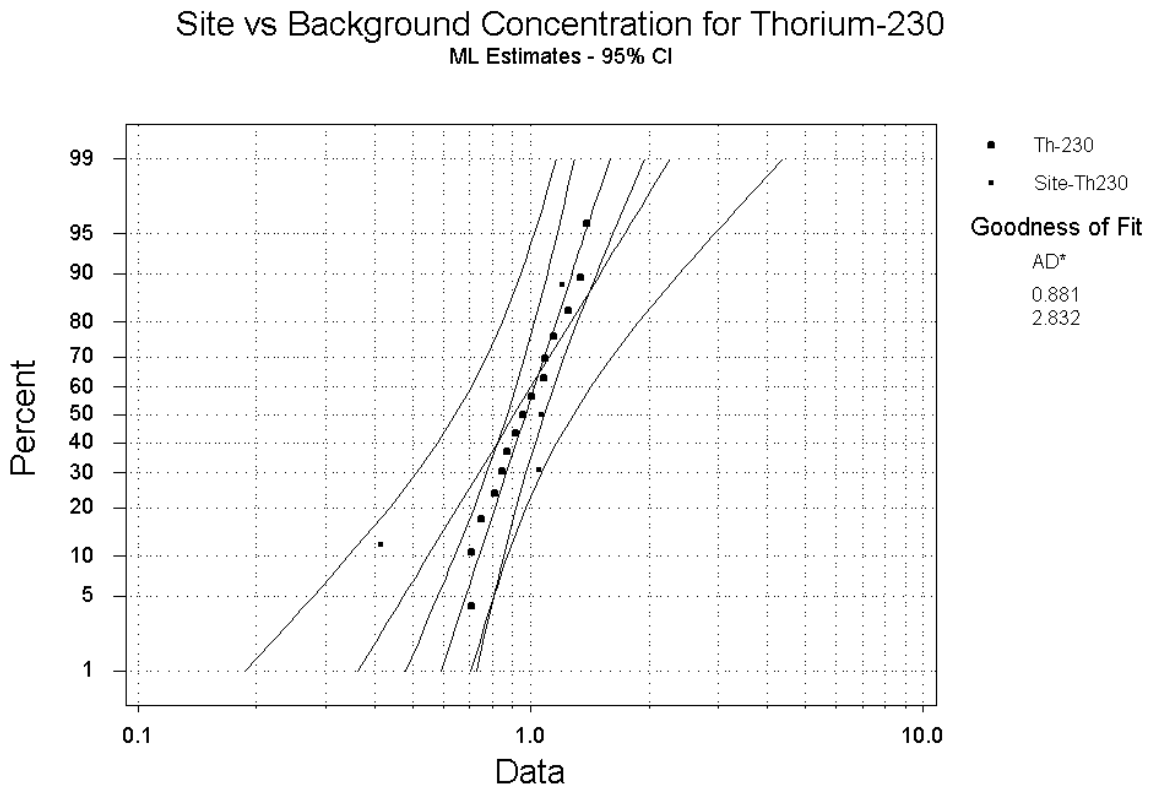


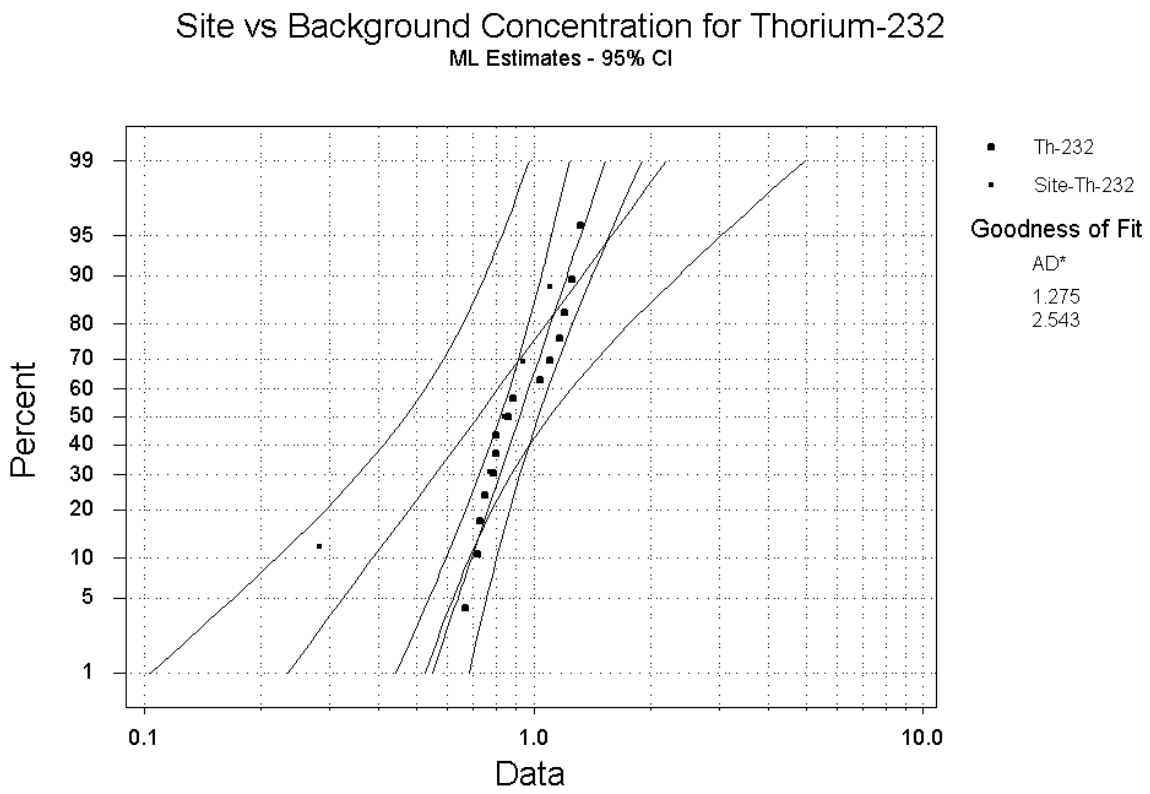


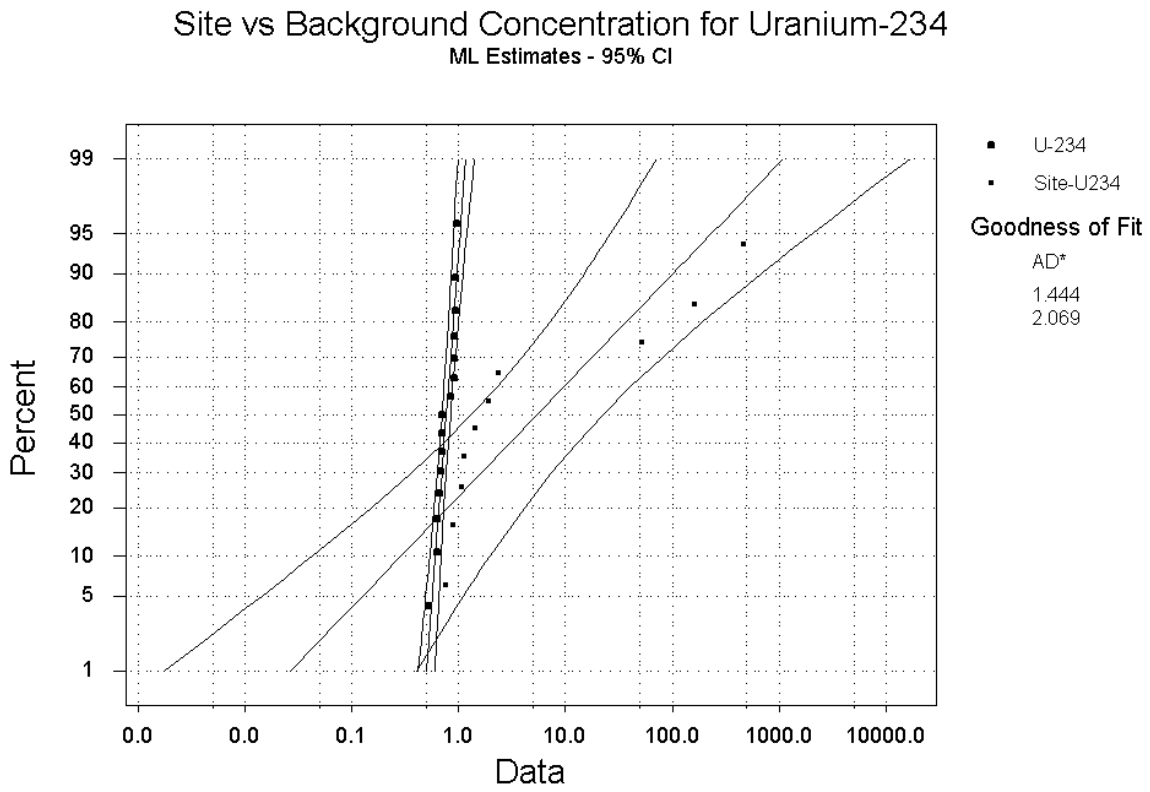
Attachment E
Probability Plots for Surface Soil Analytes

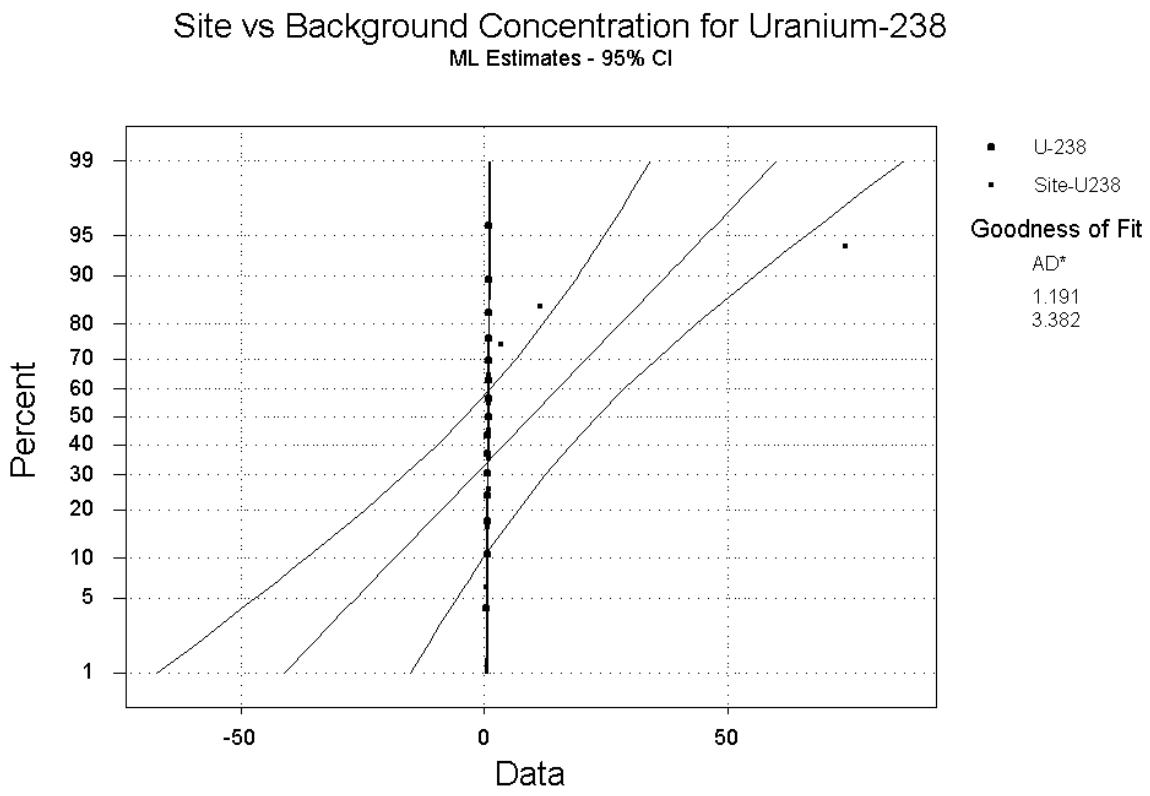


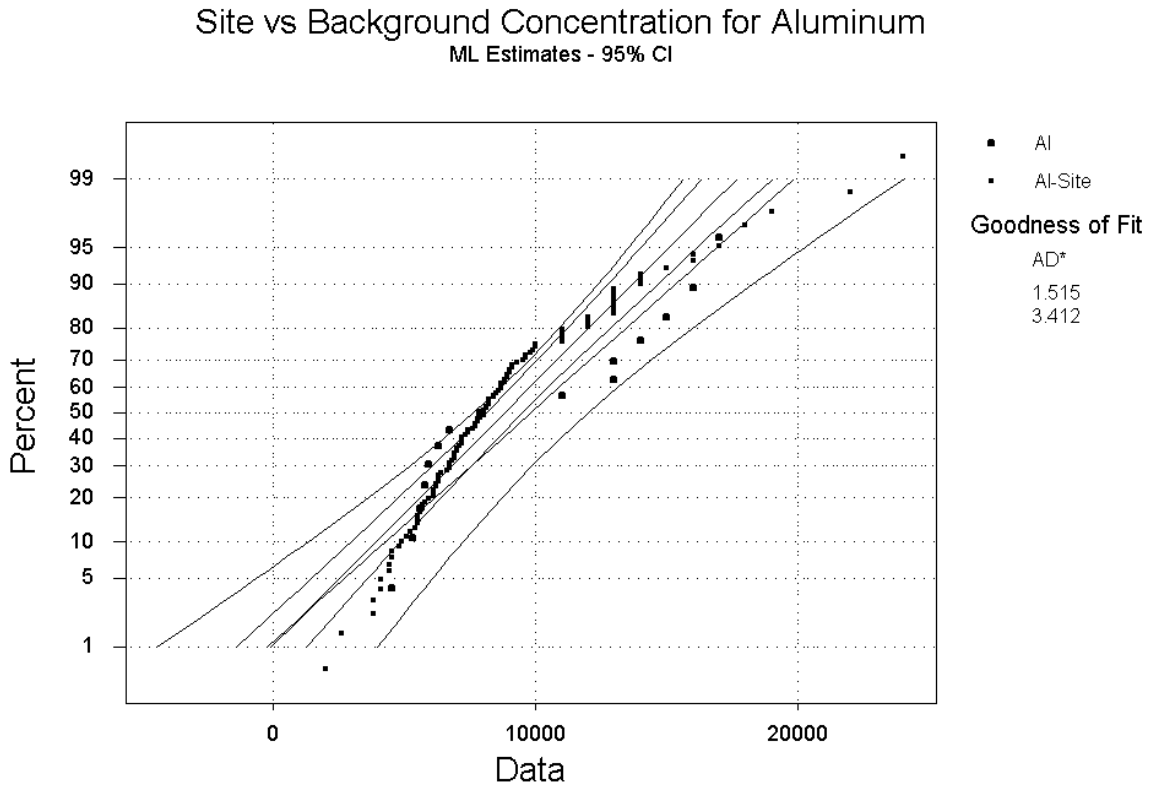


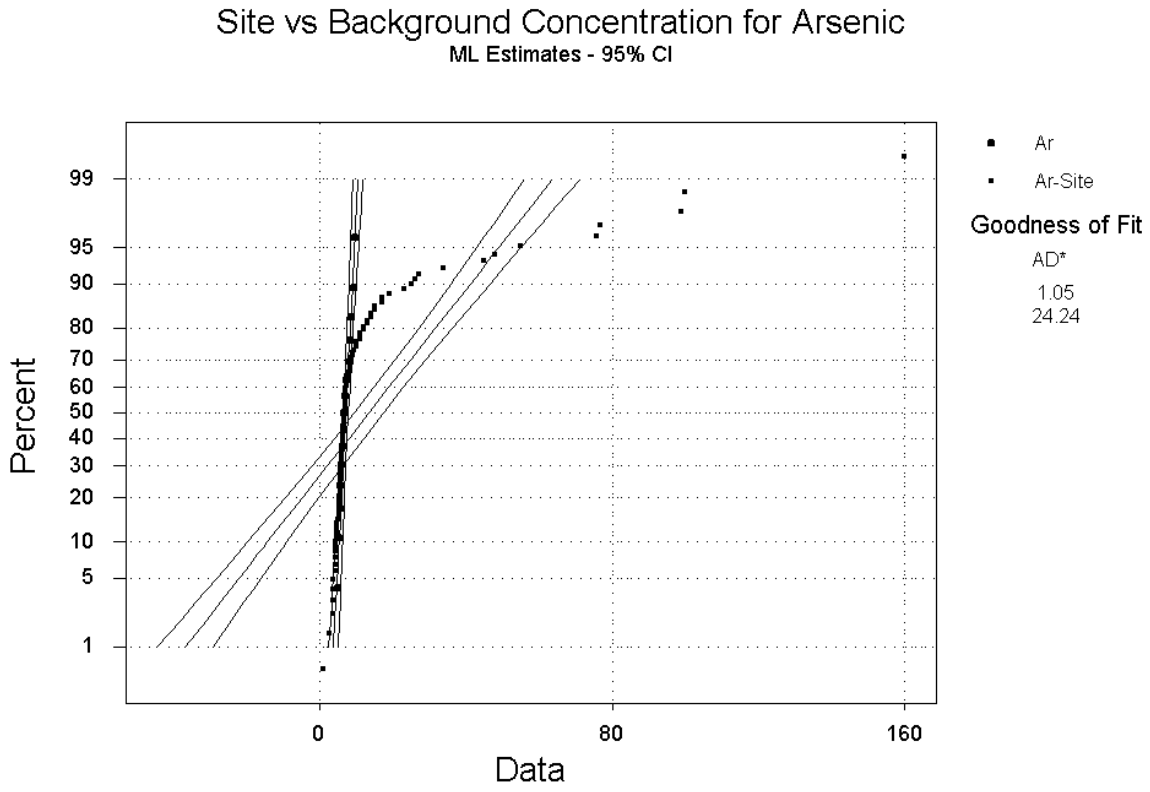

Site vs Background Concentration for Thorium-230
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0.1
1.0
10.0
Data
Th-230
Site-Th230
Goodness of Fit
AD*
0.881
2.832

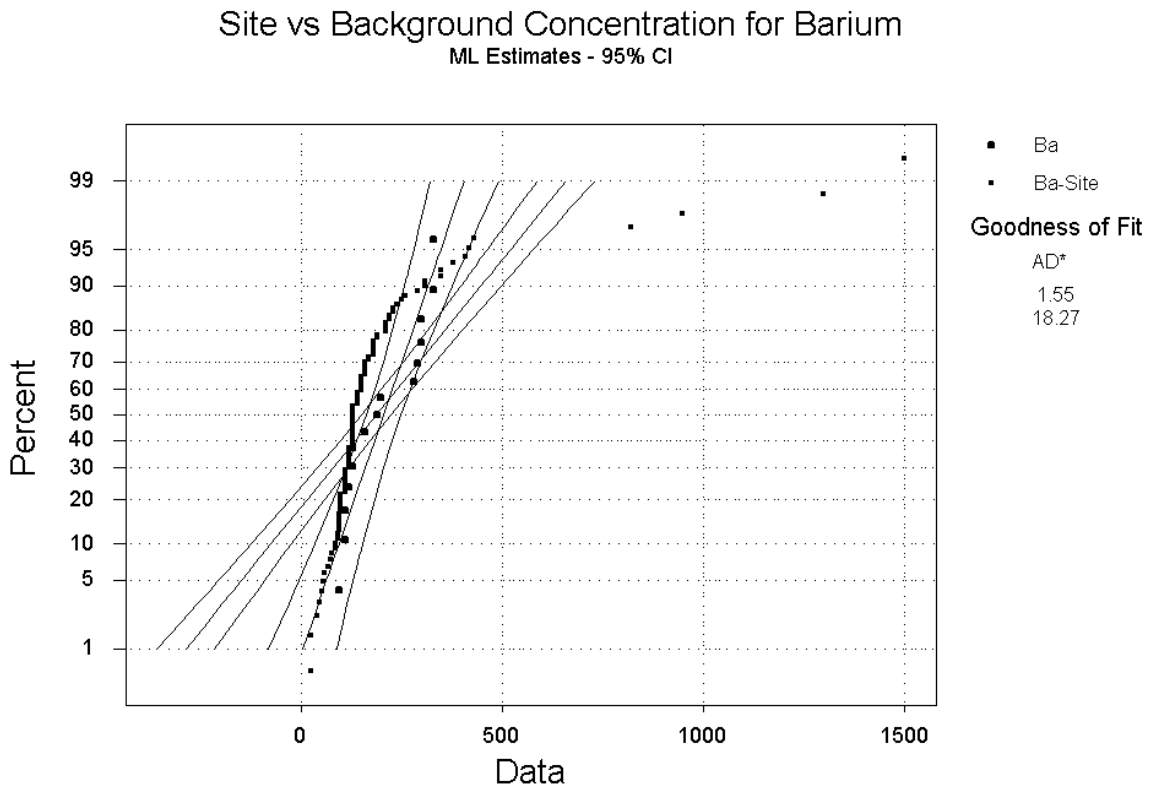

Site vs Background Concentration for Thorium-232
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0.1
1.0
10.0
Data
Th-232
Site-Th-232
Goodness of Fit
AD*
1.275
2.543

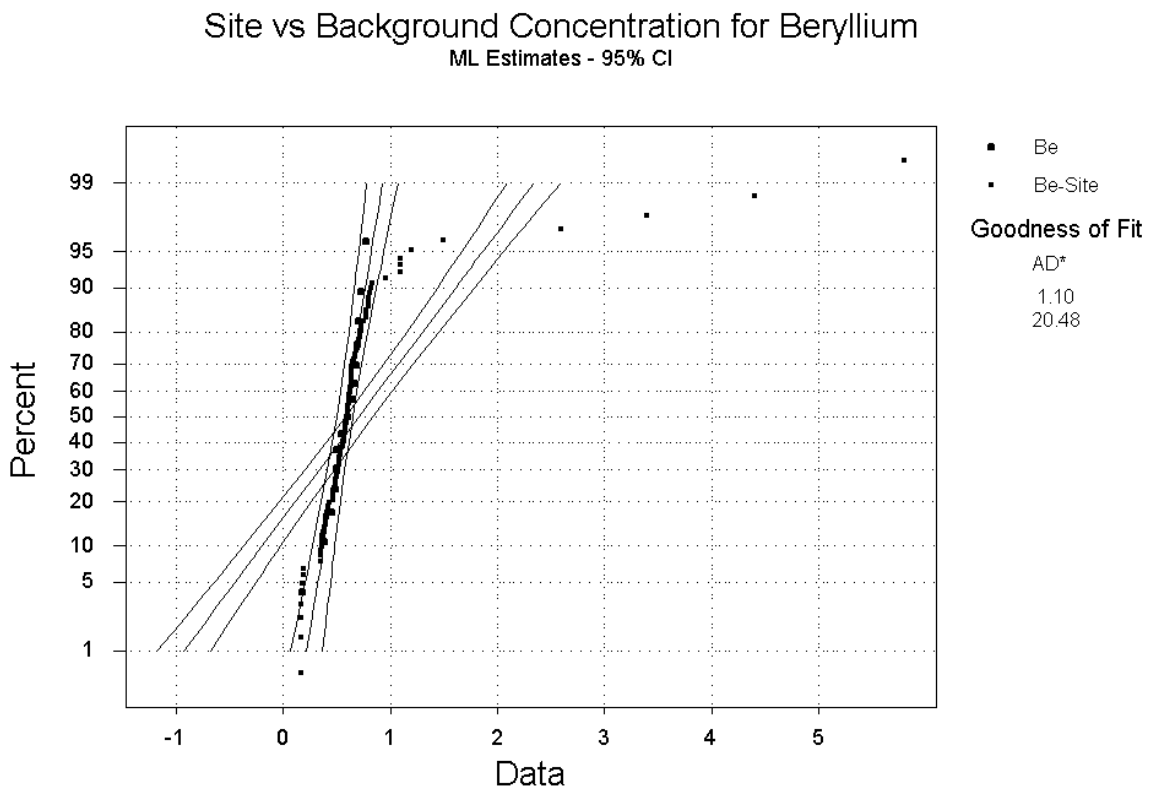

Site vs Background Concentration for Uranium-234
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0.0
0.0
0.1
1.0
10.0
100.0
1000.0
10000.0
Data
U-234
Site-U234
Goodness of Fit
AD*
1.444
2.069

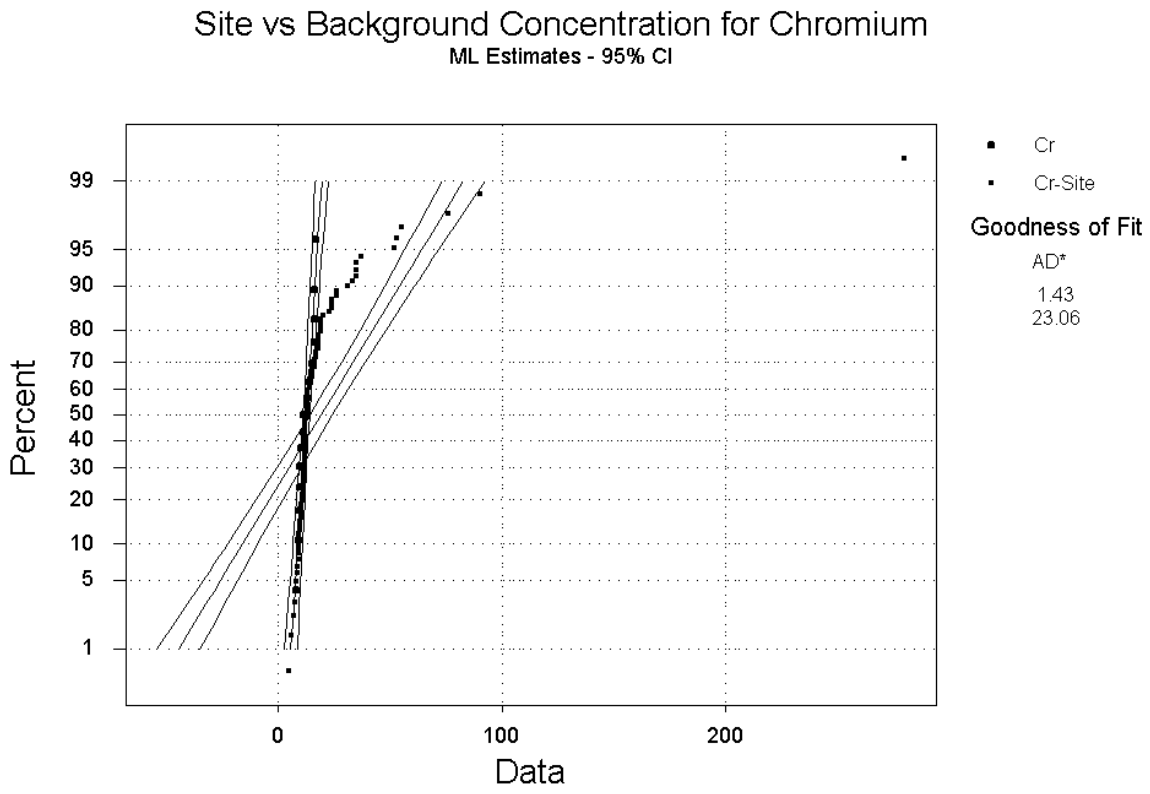

Site vs Background Concentration for Uranium-238
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
-50
0
50
Data
U-238
Site-U238
Goodness of Fit
AD*
1.191
3.382

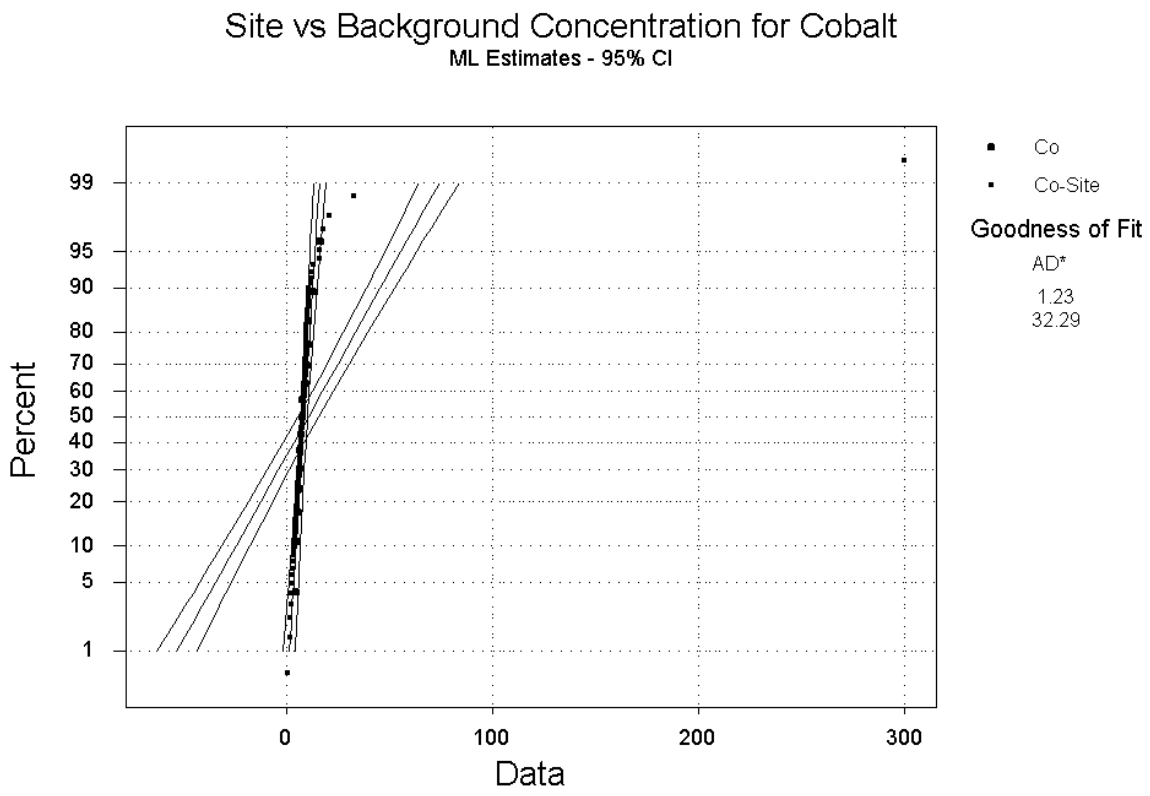

Site vs Background Concentration for Aluminum
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
10000
20000
Data
Al
Al-Site
Goodness of Fit
AD*
1.515
3.412

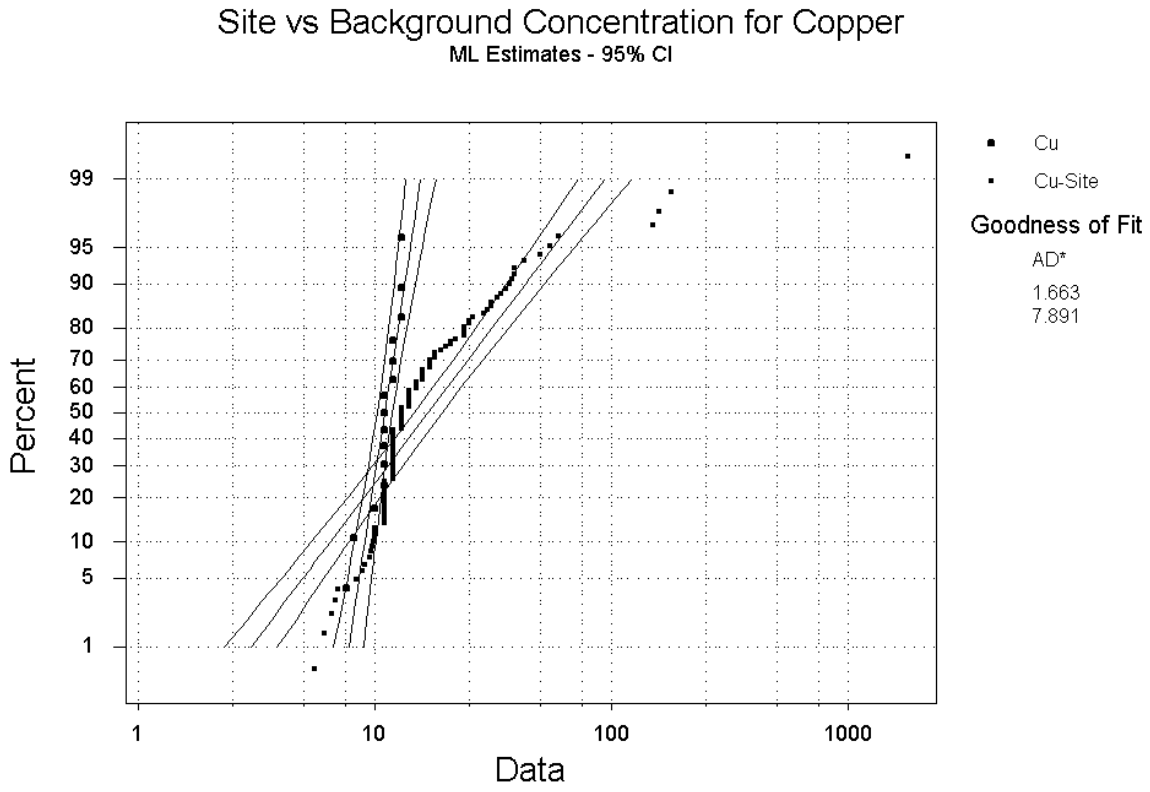

Site vs Background Concentration for Arsenic
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
80
160
Data
Ar
Ar-Site
Goodness of Fit
AD*
1.05
24.24

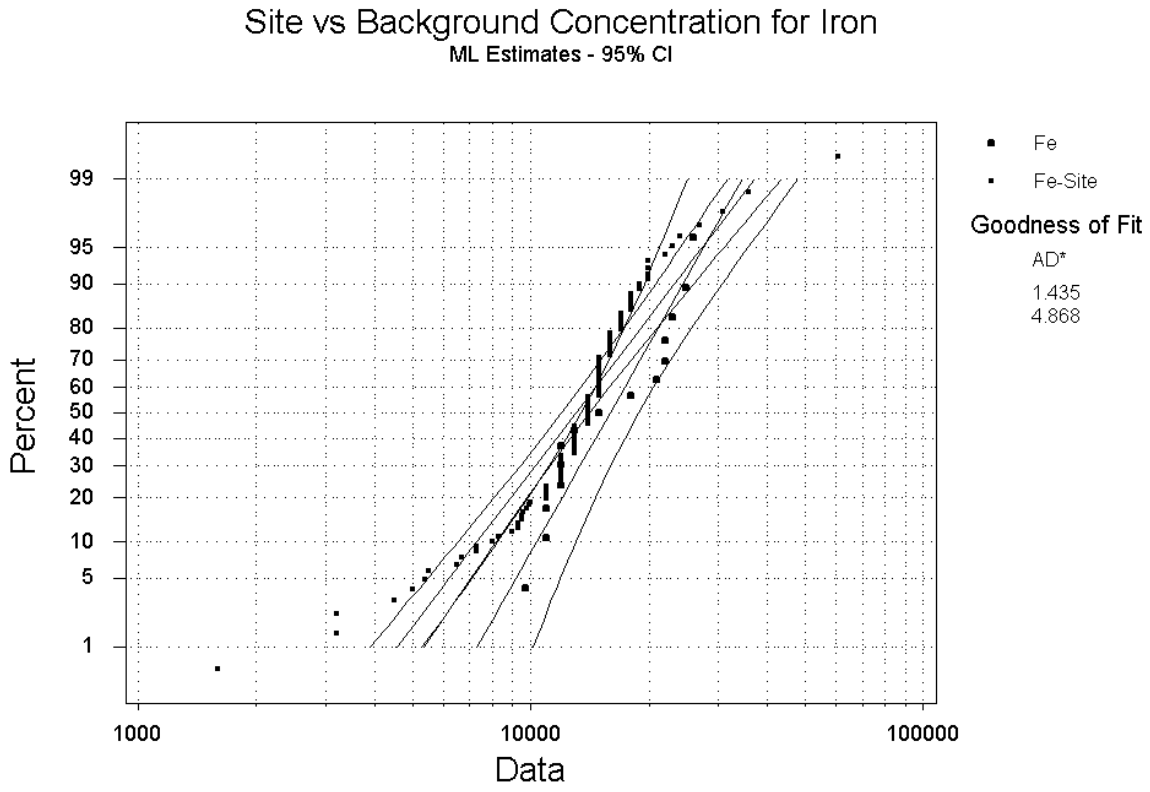

Site vs Background Concentration for Barium
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
500
1000
1500
Data
Ba
Ba-Site
Goodness of Fit
AD*
1.55
18.27

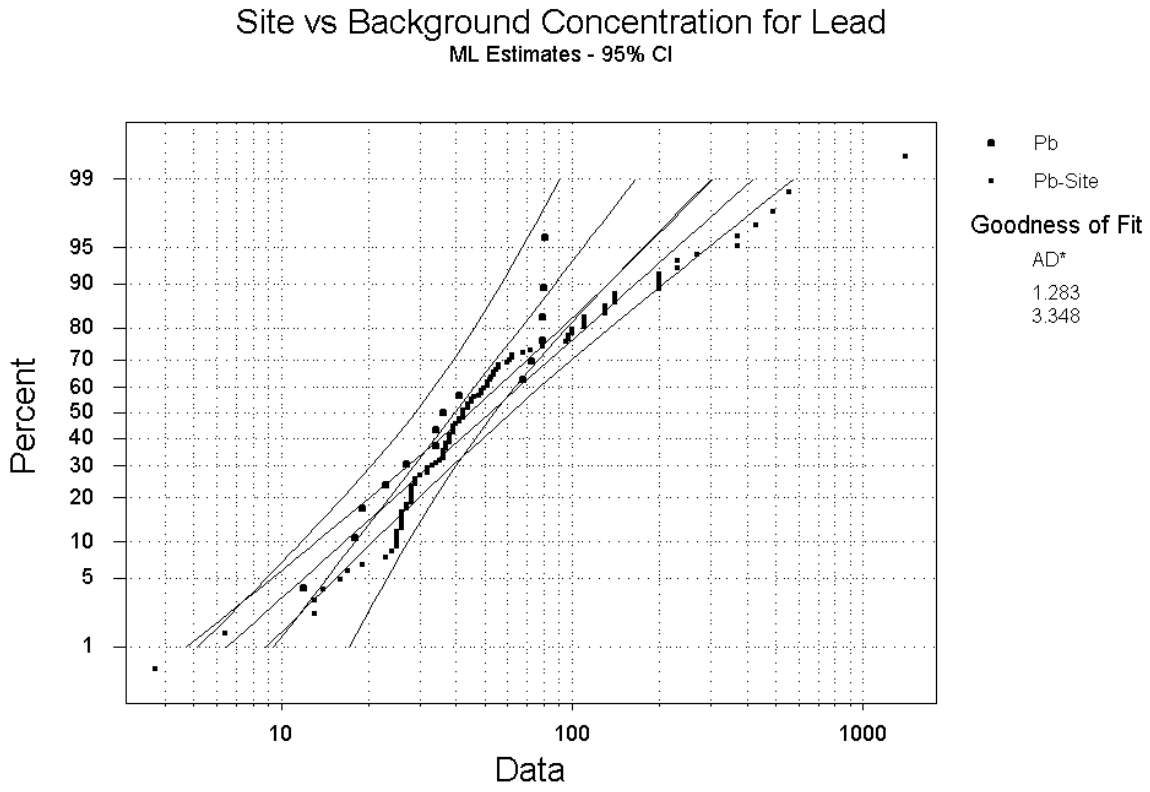

Site vs Background Concentration for Beryllium
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
-1
0
1
2
3
4
5
Data
Be
Be-Site
Goodness of Fit
AD*
1.10
20.48

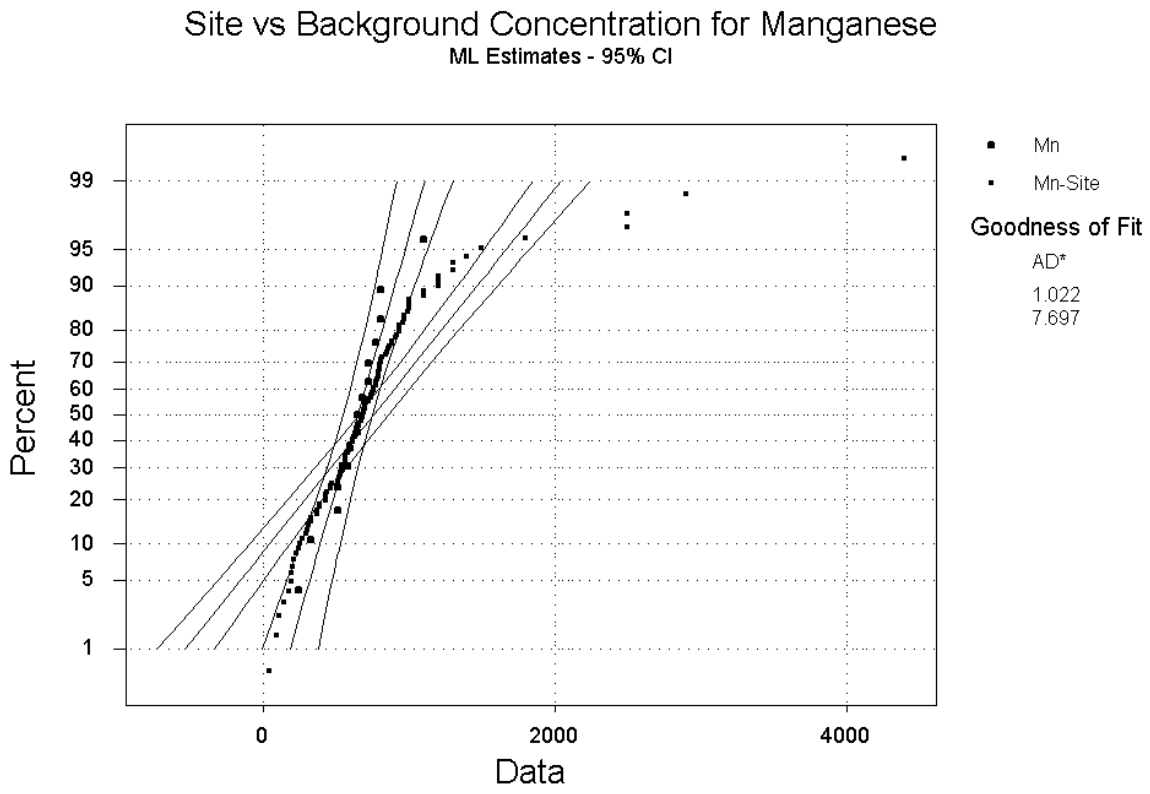

Site vs Background Concentration for Chromium
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
100
200
Data
Cr
Cr-Site
Goodness of Fit
AD*
1.43
23.06

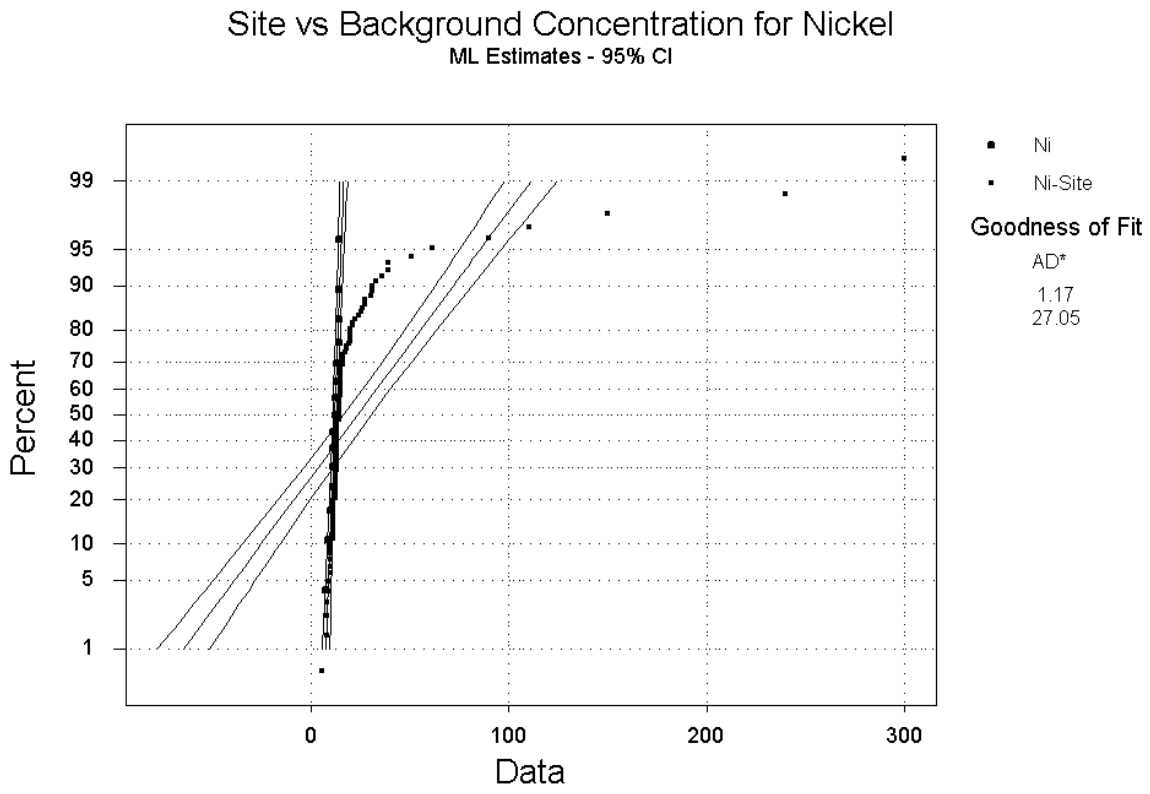

Site vs Background Concentration for Cobalt
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
100
200
300
Data
Co
Co-Site
Goodness of Fit
AD*
1.23
32.29

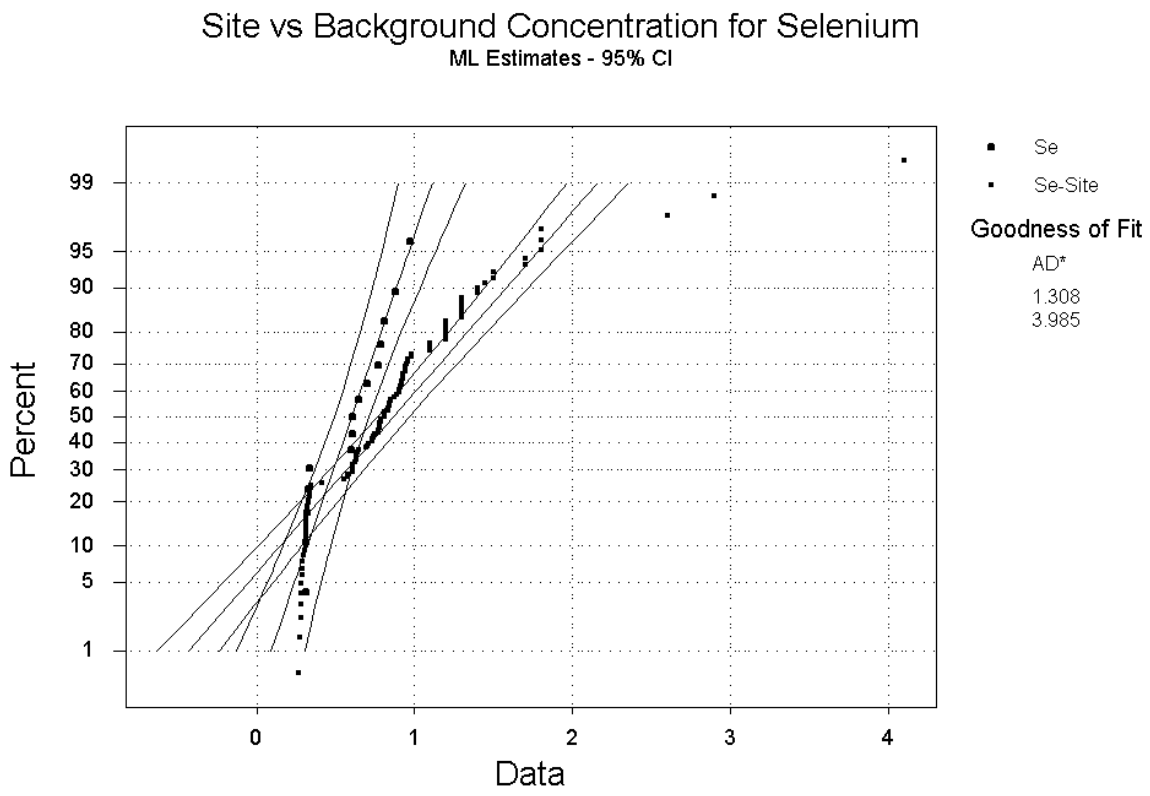

Site vs Background Concentration for Copper
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
1
10
100
1000
Data
Cu
Cu-Site
Goodness of Fit
AD*
1.663
7.891

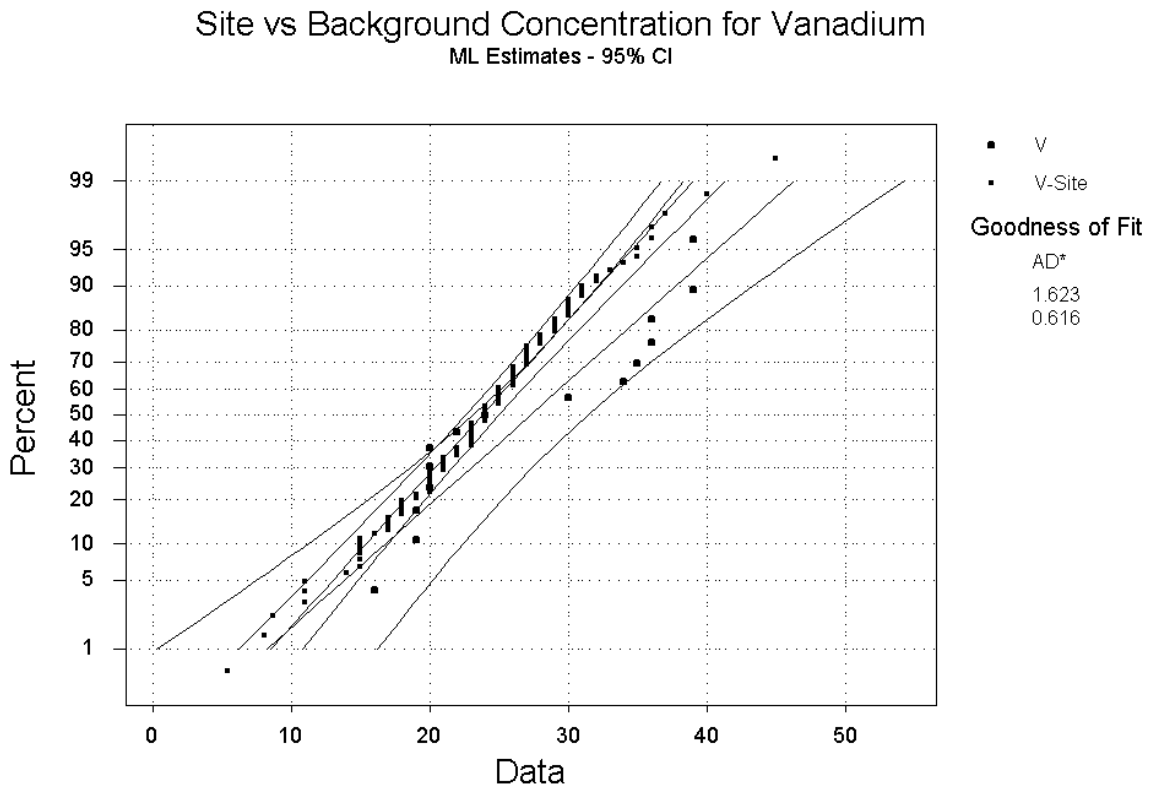

Site vs Background Concentration for Iron
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
1000
10000
100000
Data
Fe
Fe-Site
Goodness of Fit
AD*
1.435
4.868


Site vs Background Concentration for Lead
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
10
100
1000
Data
Pb
Pb-Site
Goodness of Fit
AD*
1.283
3.348


Site vs Background Concentration for Manganese
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
2000
4000
Data
Mn
Mn-Site
Goodness of Fit
AD*
1.022
7.697


Site vs Background Concentration for Nickel
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
100
200
300
Data
Ni
Ni-Site
Goodness of Fit
AD*
1.17
27.05

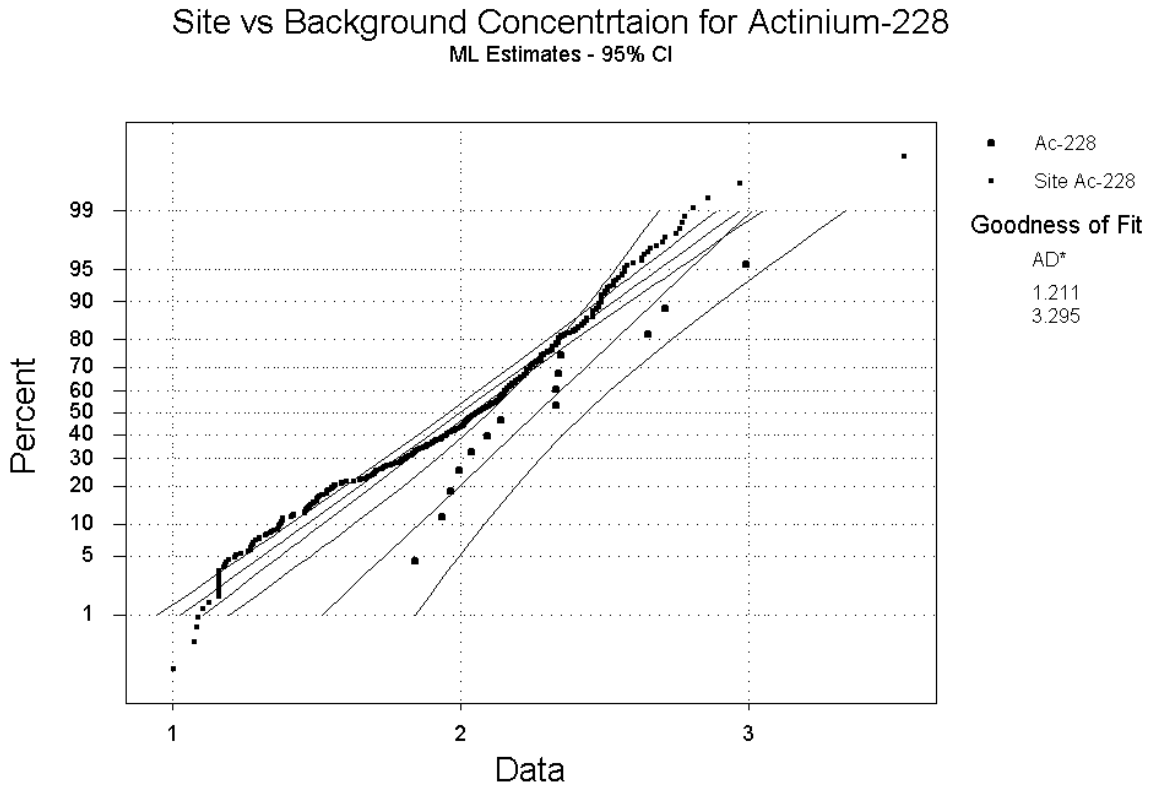

Site vs Background Concentration for Selenium
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
1
2
3
4
Data
Se
Se-Site
Goodness of Fit
AD*
1.308
3.985

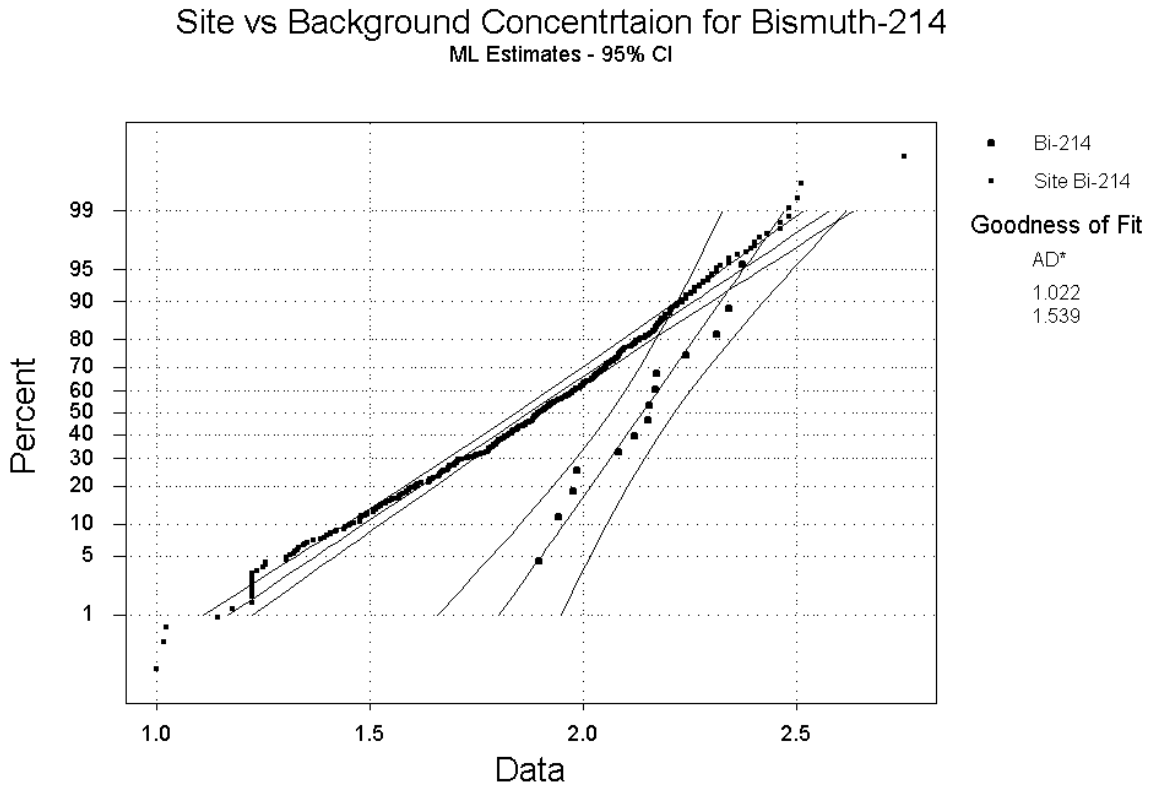

Site vs Background Concentration for Vanadium
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
10
20
30
40
50
Data
V
V-Site
Goodness of Fit
AD*
1.623
0.616

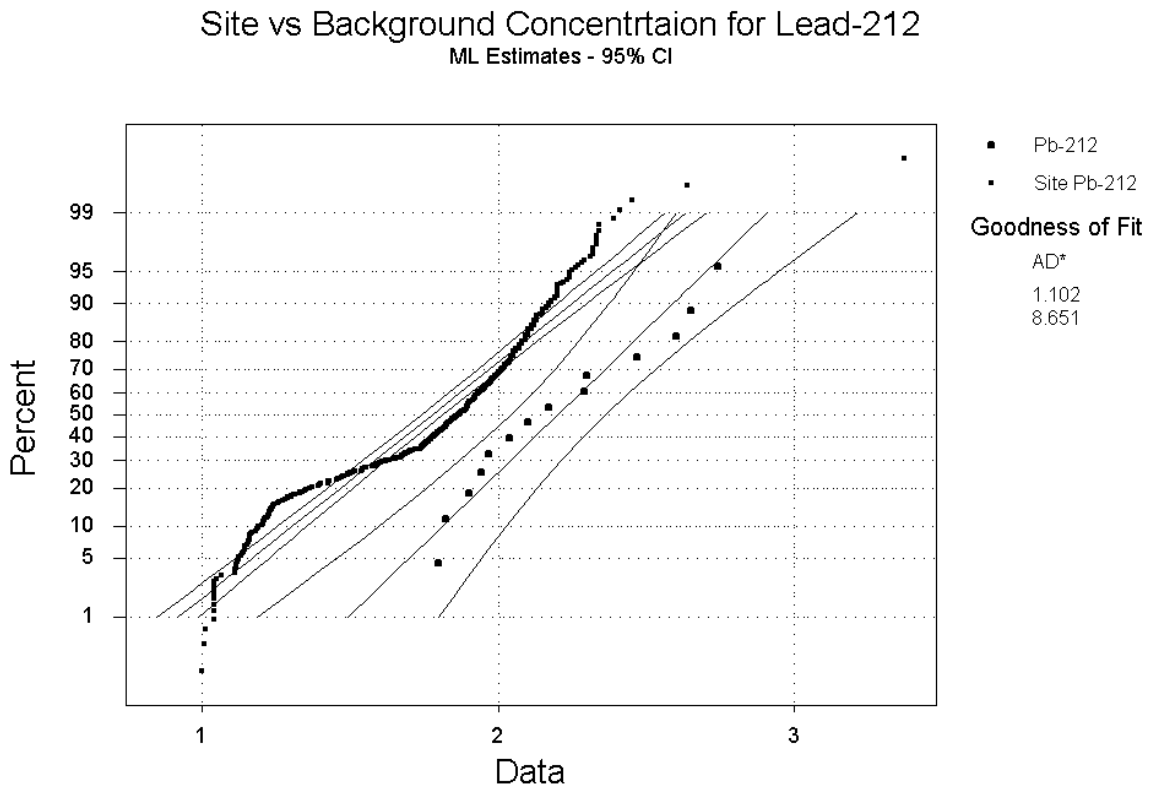
ATTACHMENT F

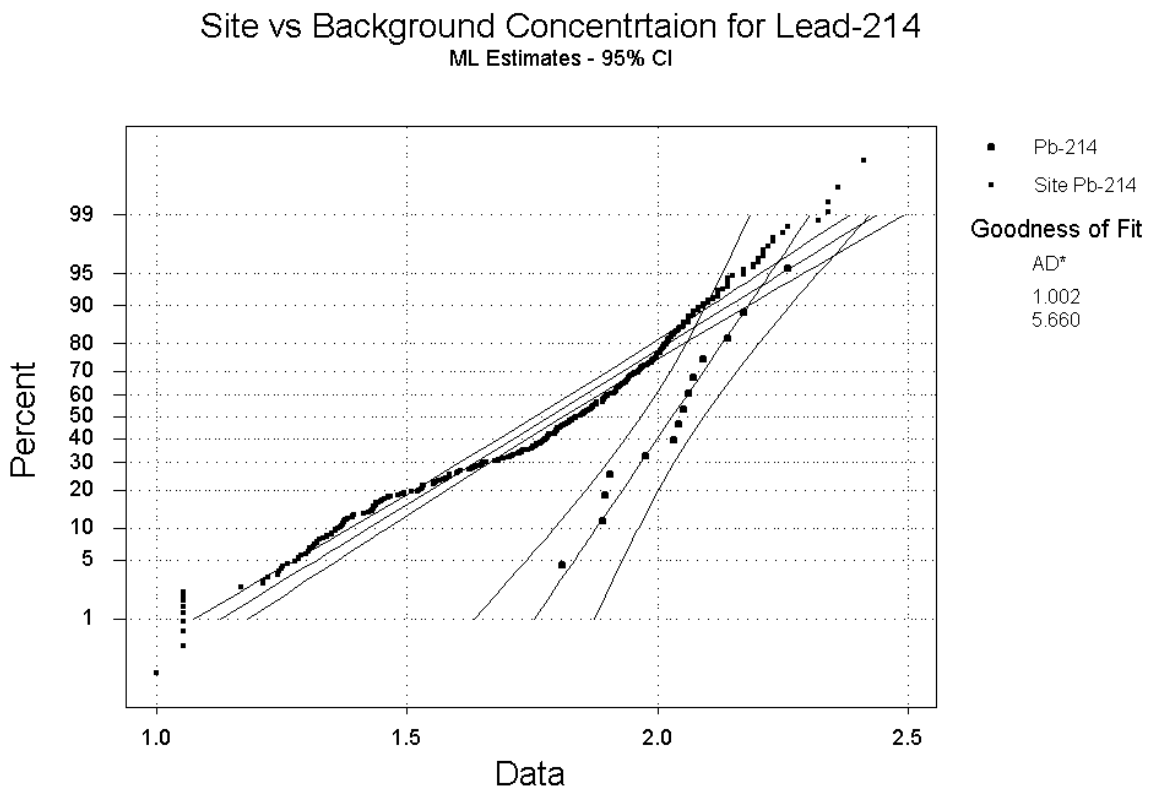
COMPARISON OF SITE AND BACKGROUND SUBSURFACE SOIL SAMPLING RESULTS USING PROBABILITY PLOTS

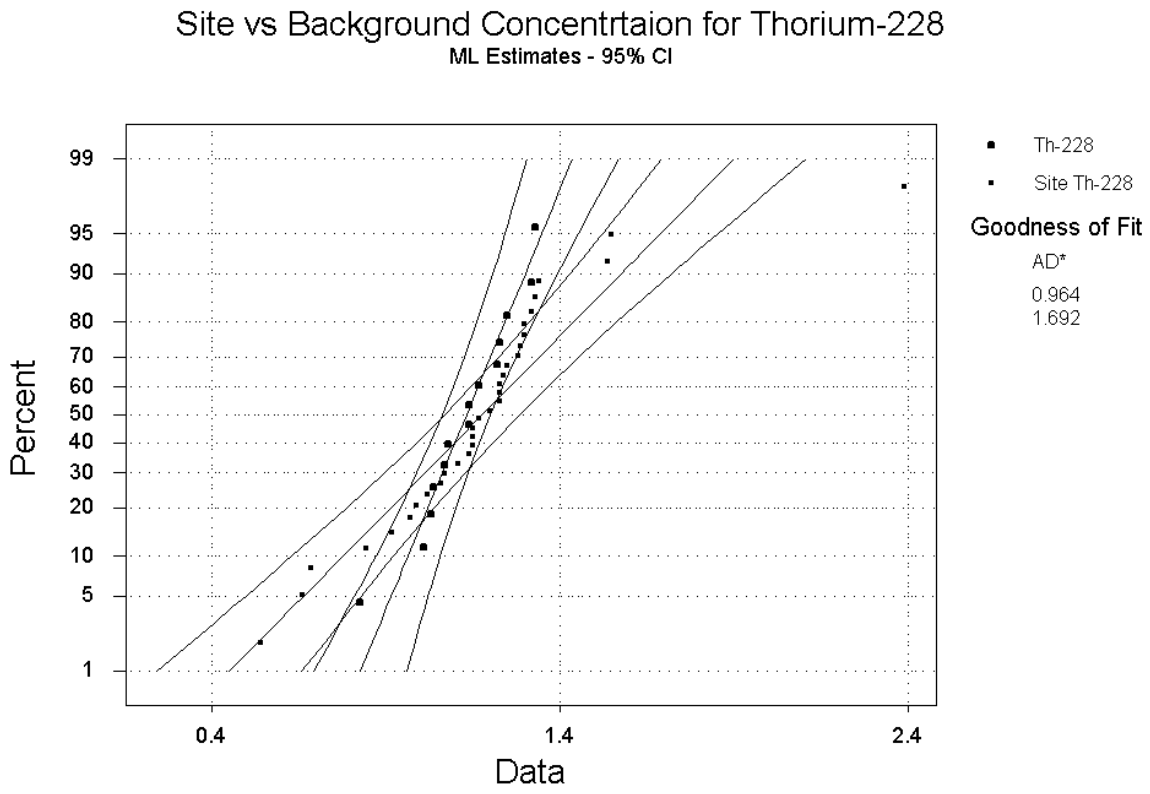
Attachment F
Probability Plots for Subsurface Soil Analytes

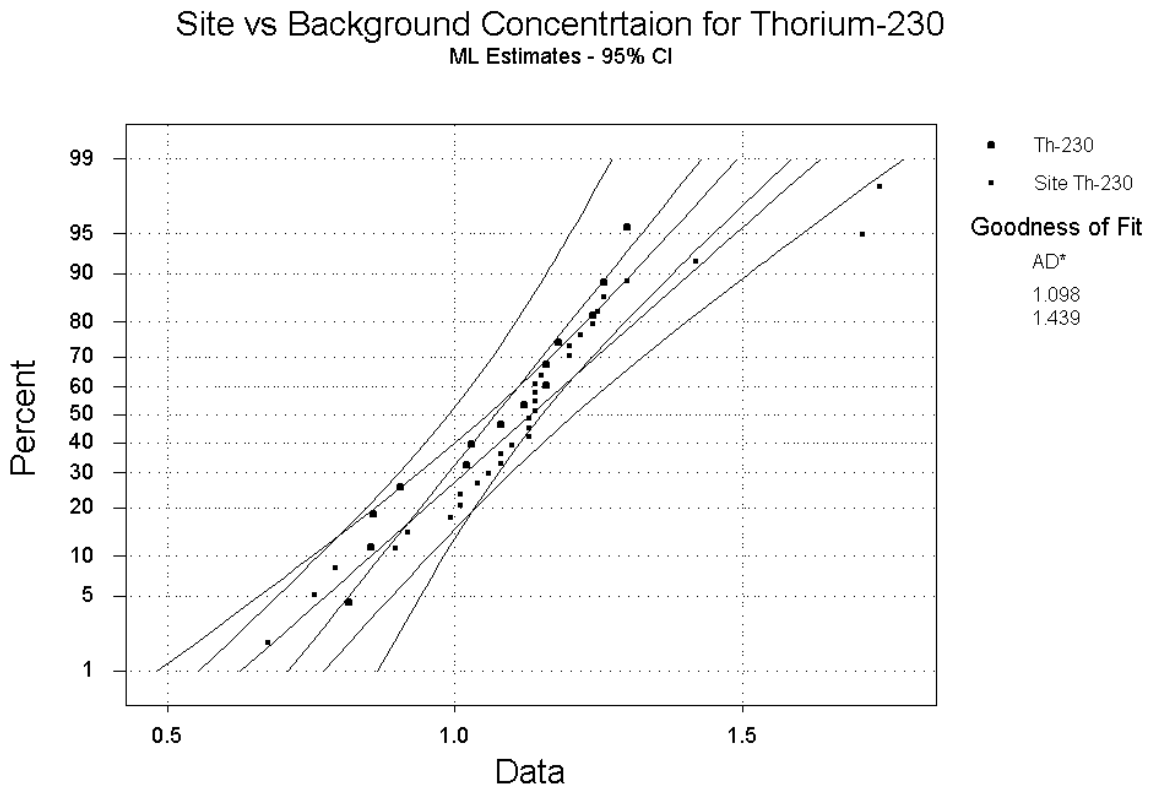


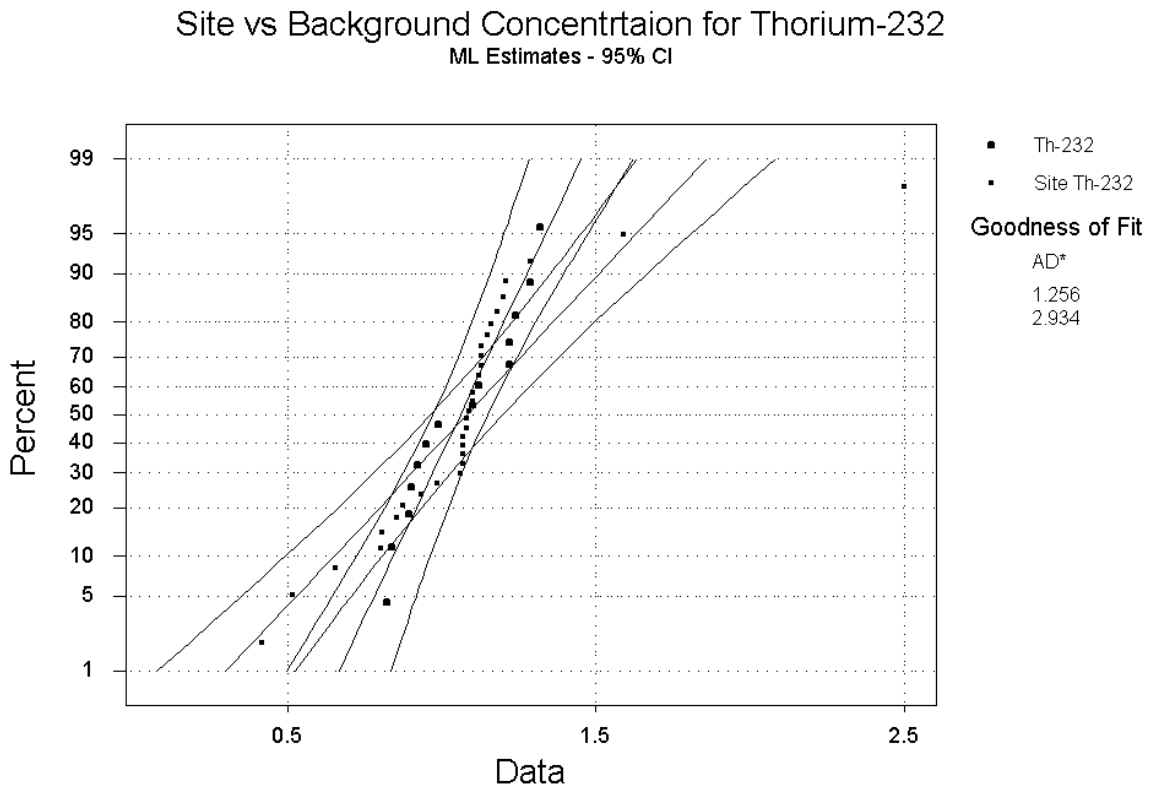


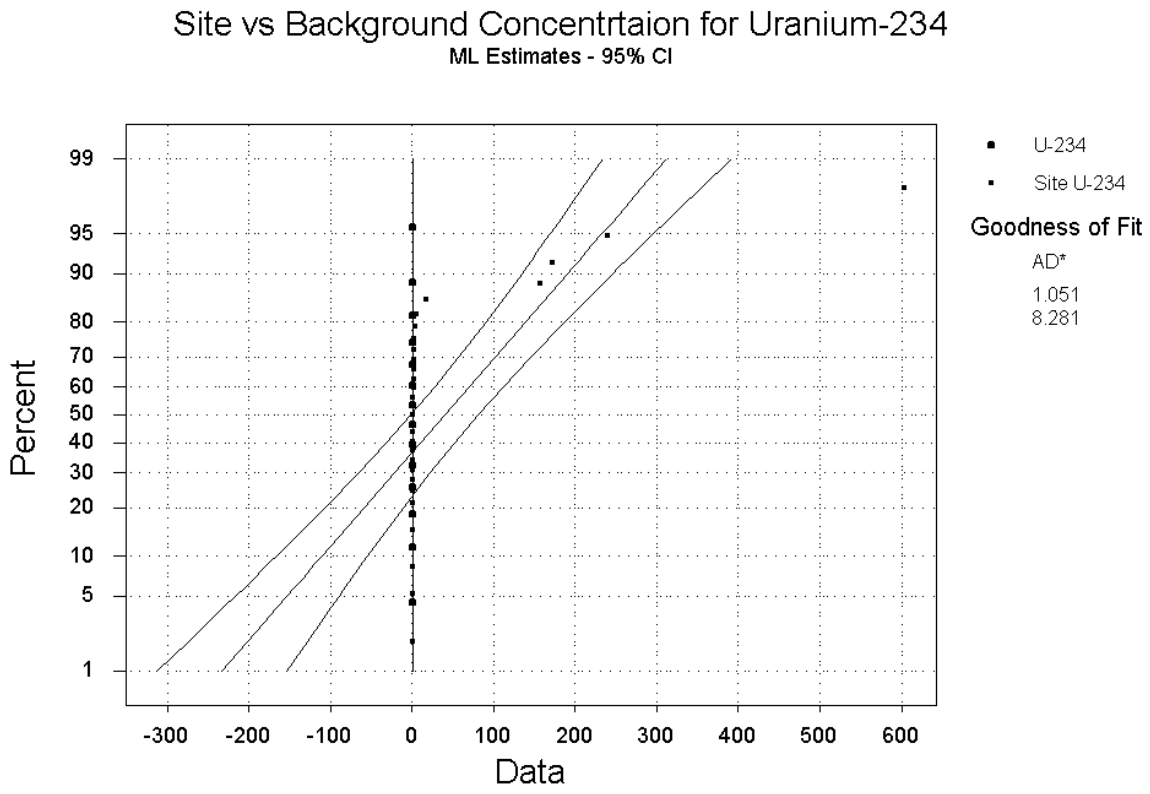

Site vs Background Concentrtaion for Lead-212
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
1
2
3
Data
Pb-212
Site Pb-212
Goodness of Fit
AD*
1.102
8.651

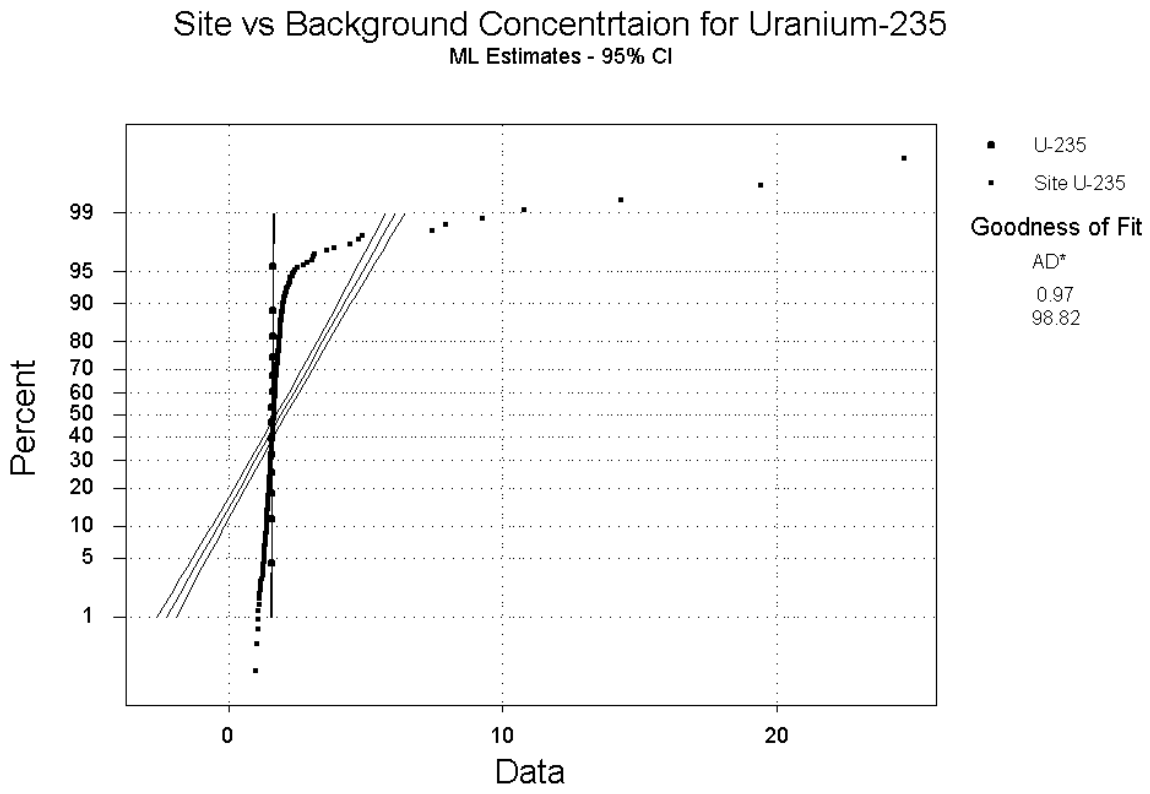

Site vs Background Concentrtaion for Lead-214
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
1.0
1.5
2.0
2.5
Data
Pb-214
Site Pb-214
Goodness of Fit
AD*
1.002
5.660

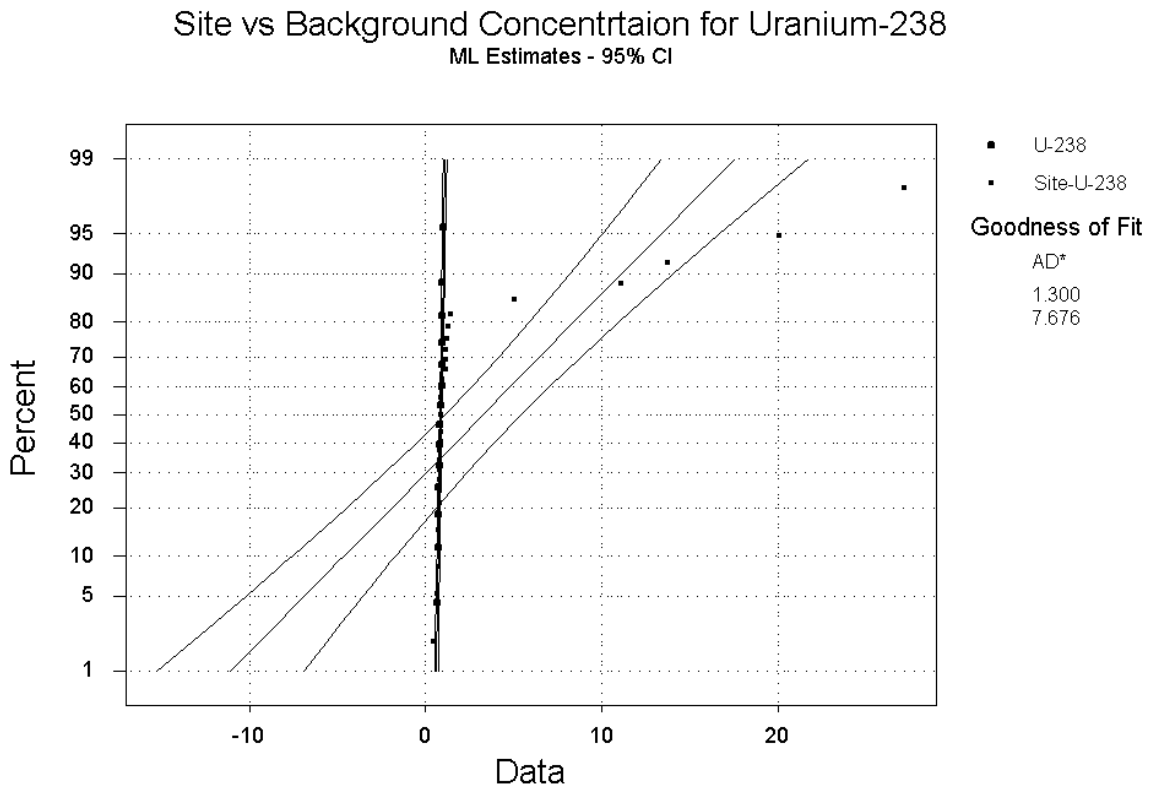

Site vs Background Concentrtaion for Thorium-228
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0.4
1.4
2.4
Data
Th-228
Site Th-228
Goodness of Fit
AD*
0.964
1.692

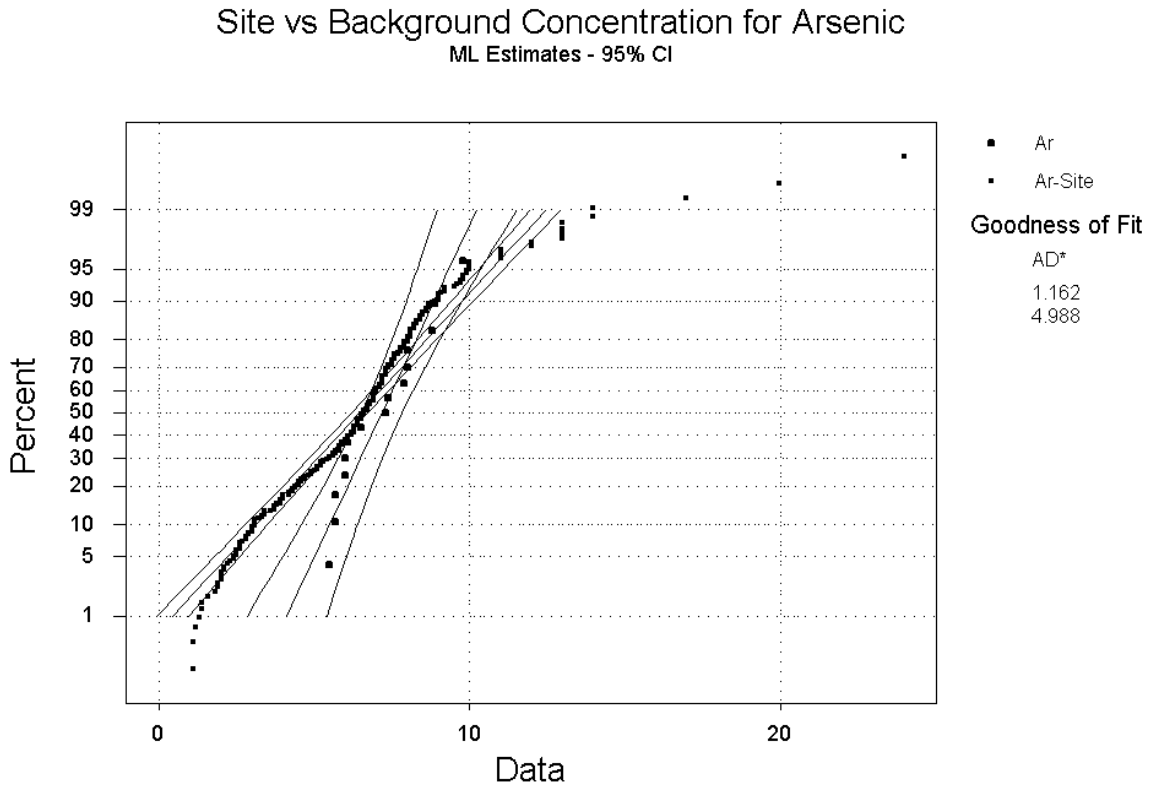

Site vs Background Concentrtaion for Thorium-230
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0.5
1.0
1.5
Data
Th-230
Site Th-230
Goodness of Fit
AD*
1.098
1.439

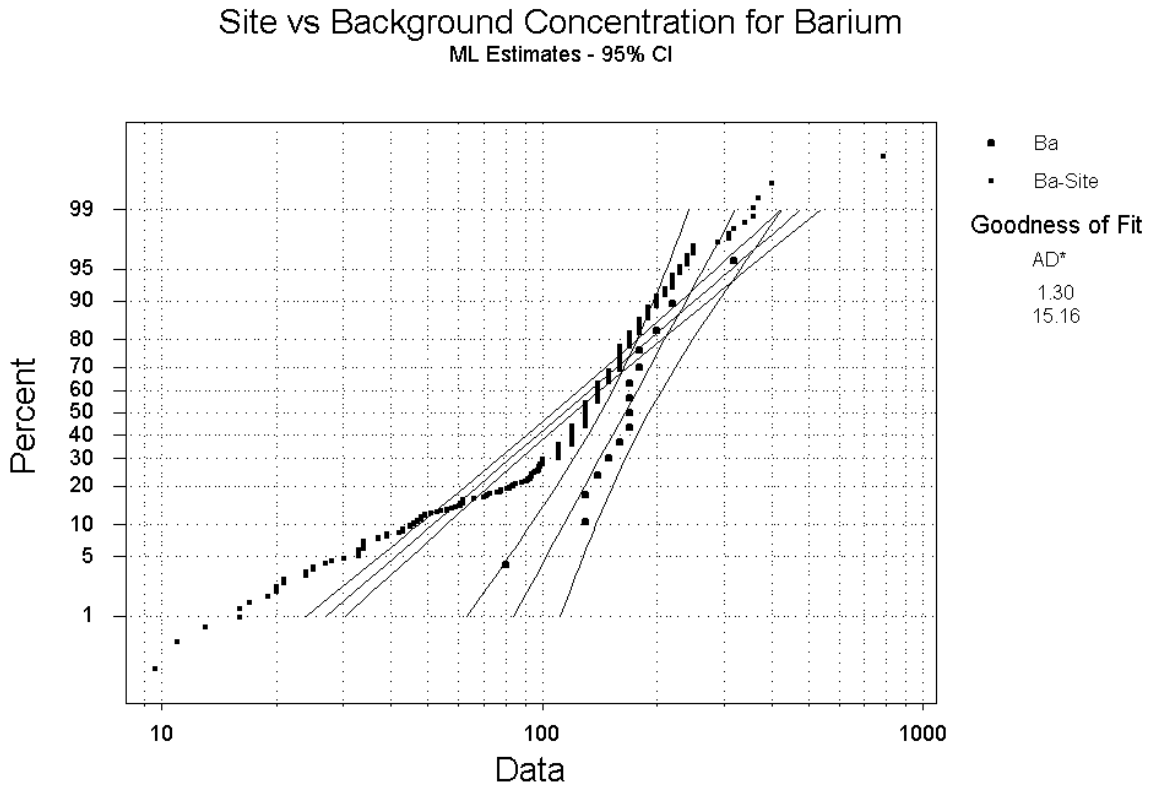

Site vs Background Concentrtaion for Thorium-232
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0.5
1.5
2.5
Data
Th-232
Site Th-232
Goodness of Fit
AD*
1.256
2.934

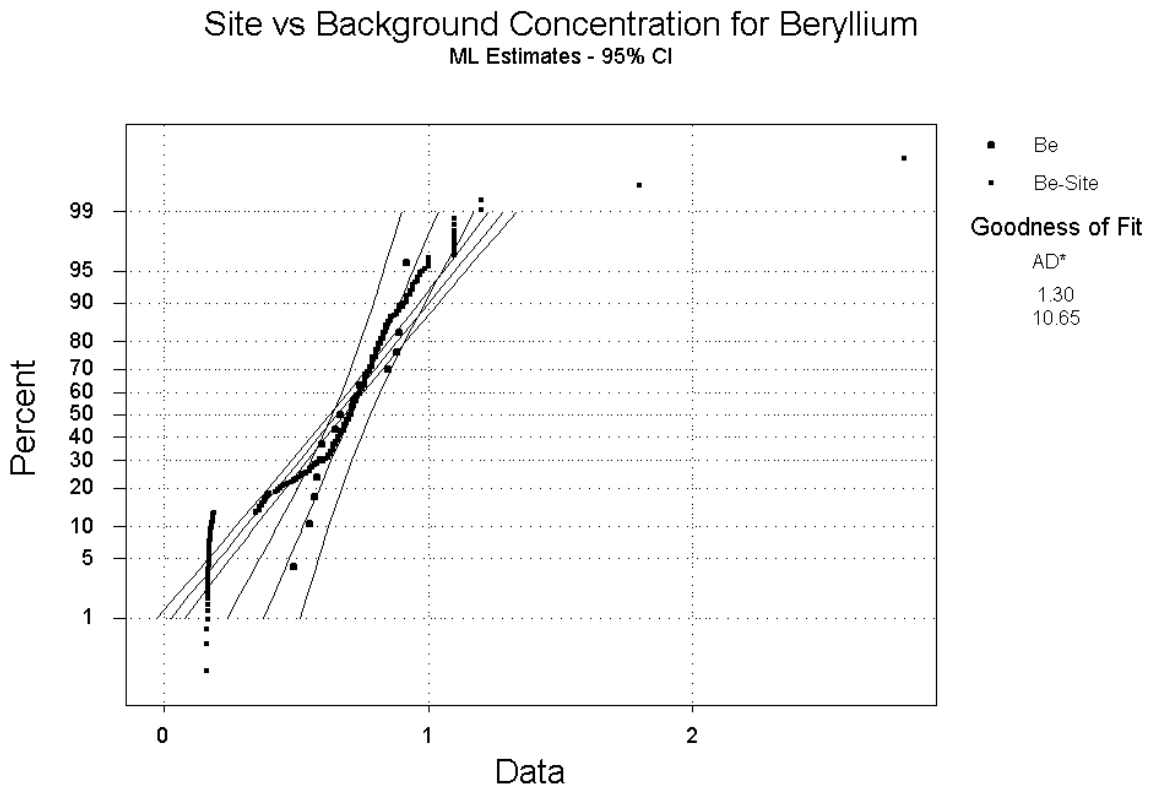

Site vs Background Concentrtaion for Uranium-234
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
-300
-200
-100
0
100
200
300
400
500
600
Data
U-234
Site U-234
Goodness of Fit
AD*
1.051
8.281

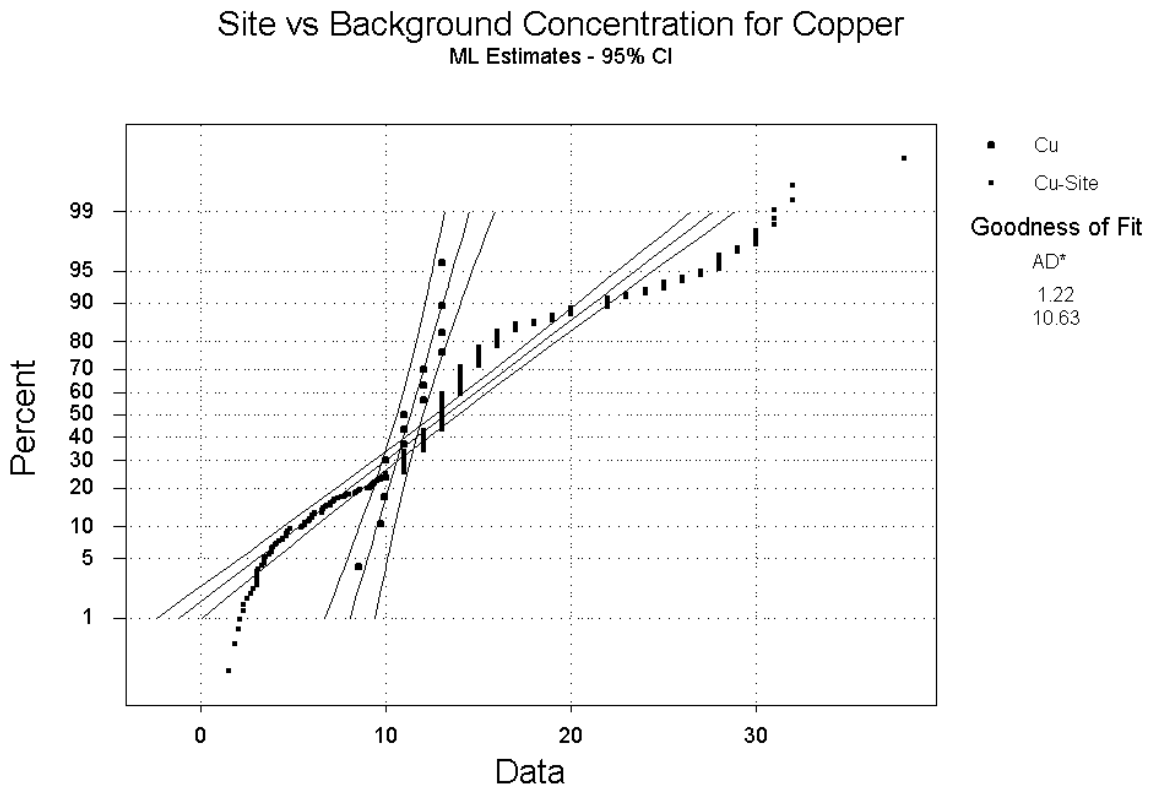

Site vs Background Concentrtaion for Uranium-235
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
10
20
Data
U-235
Site U-235
Goodness of Fit
AD*
0.97
98.82

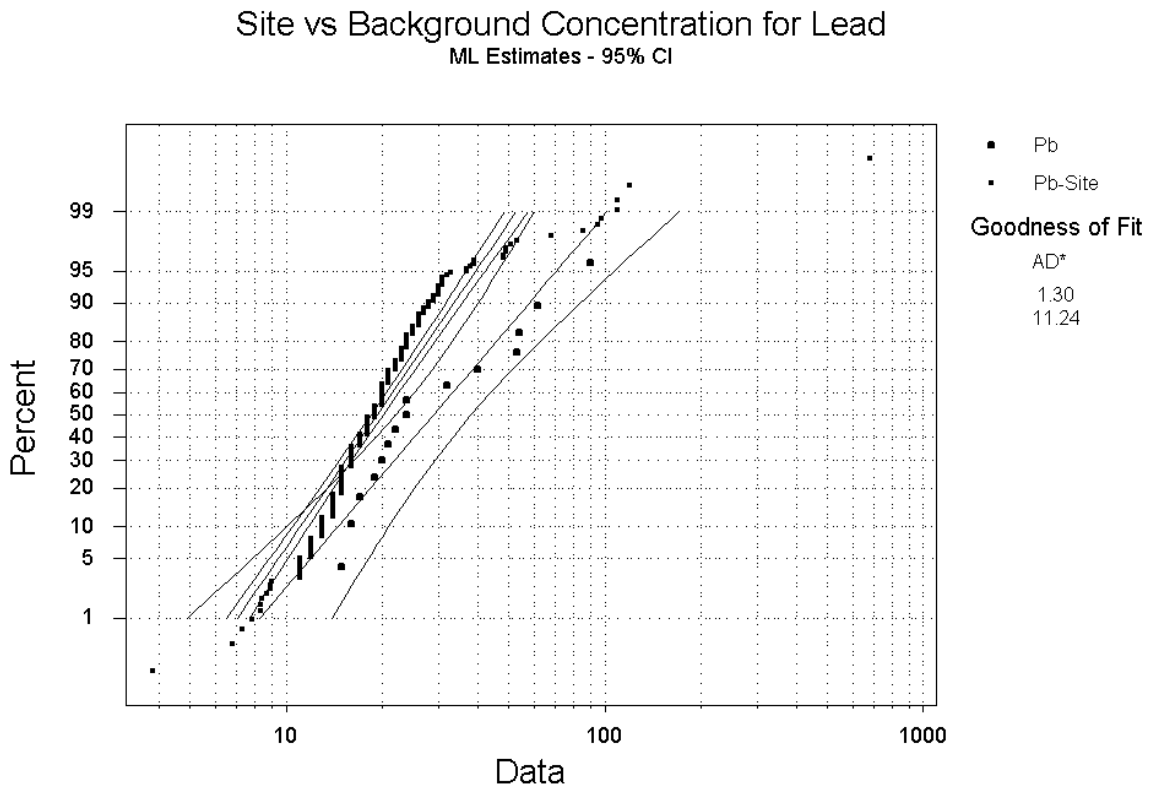

Site vs Background Concentrtaion for Uranium-238
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
-10
0
10
20
Data
U-238
Site-U-238
Goodness of Fit
AD*
1.300
7.676

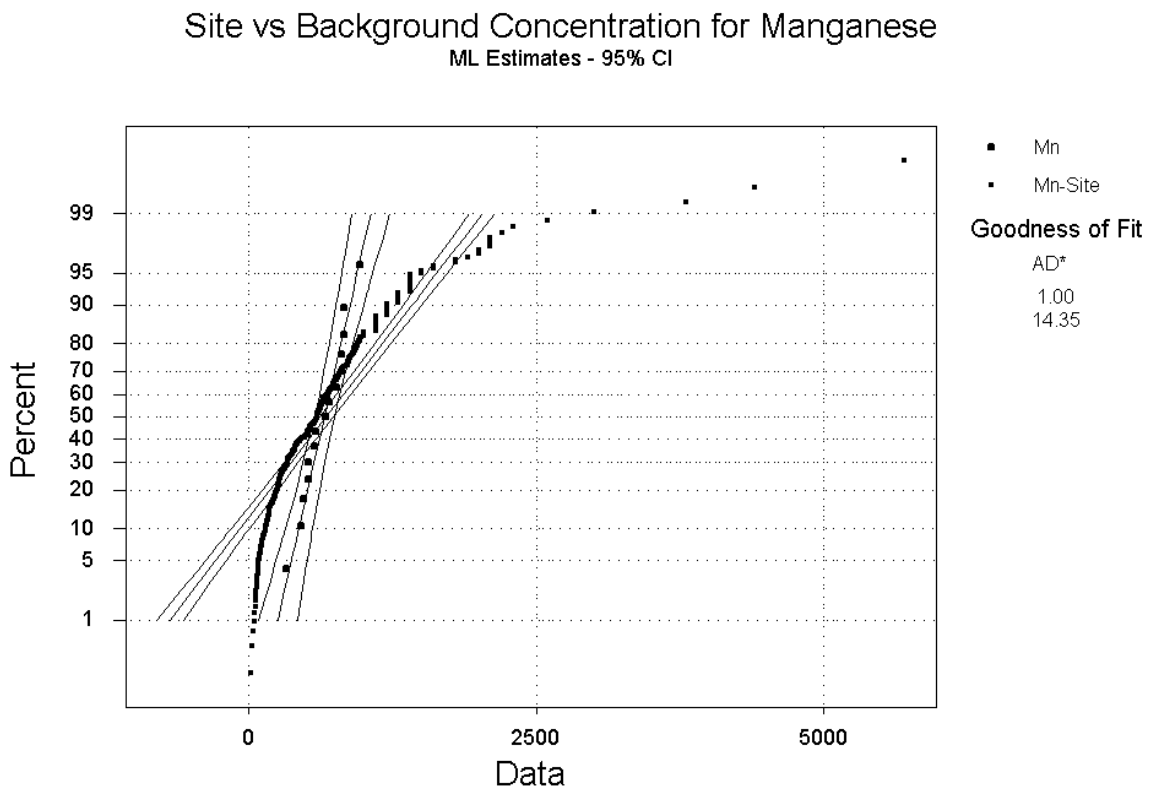

Site vs Background Concentration for Arsenic
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
10
20
Data
Ar
Ar-Site
Goodness of Fit
AD*
1.162
4.988

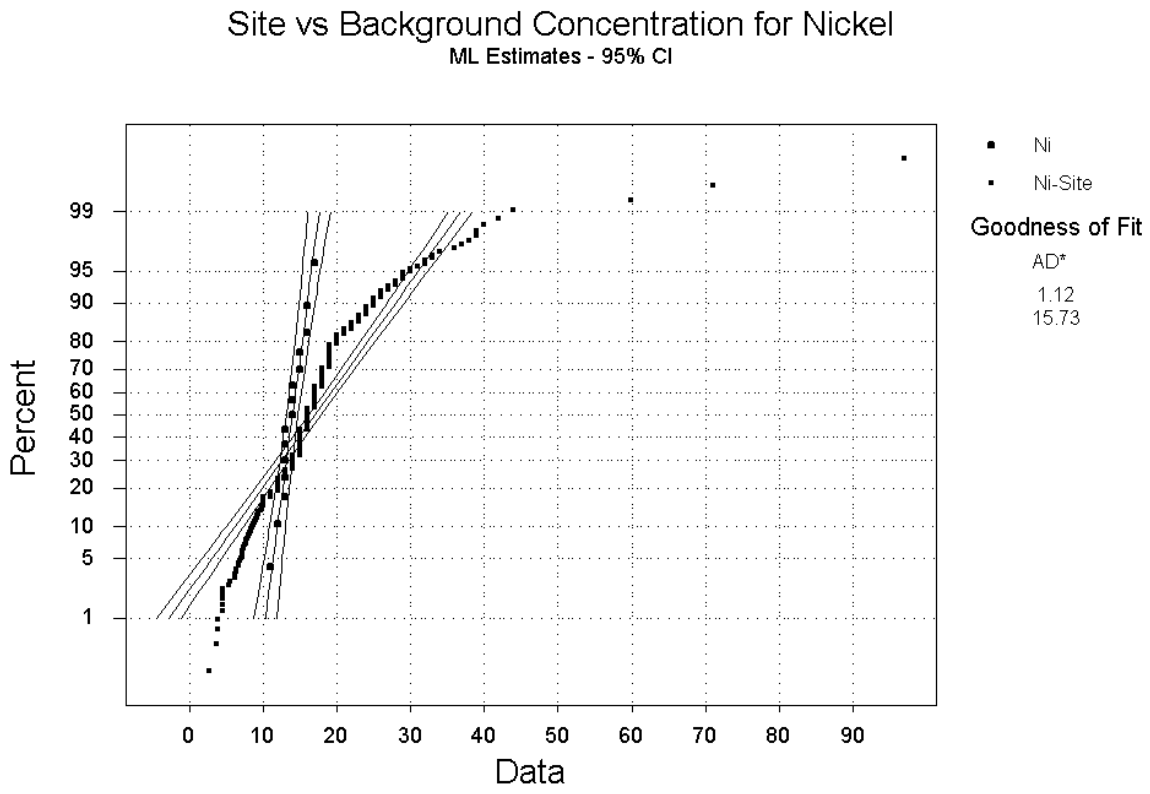

Site vs Background Concentration for Barium
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
10
100
1000
Data
Ba
Ba-Site
Goodness of Fit
AD*
1.30
15.16

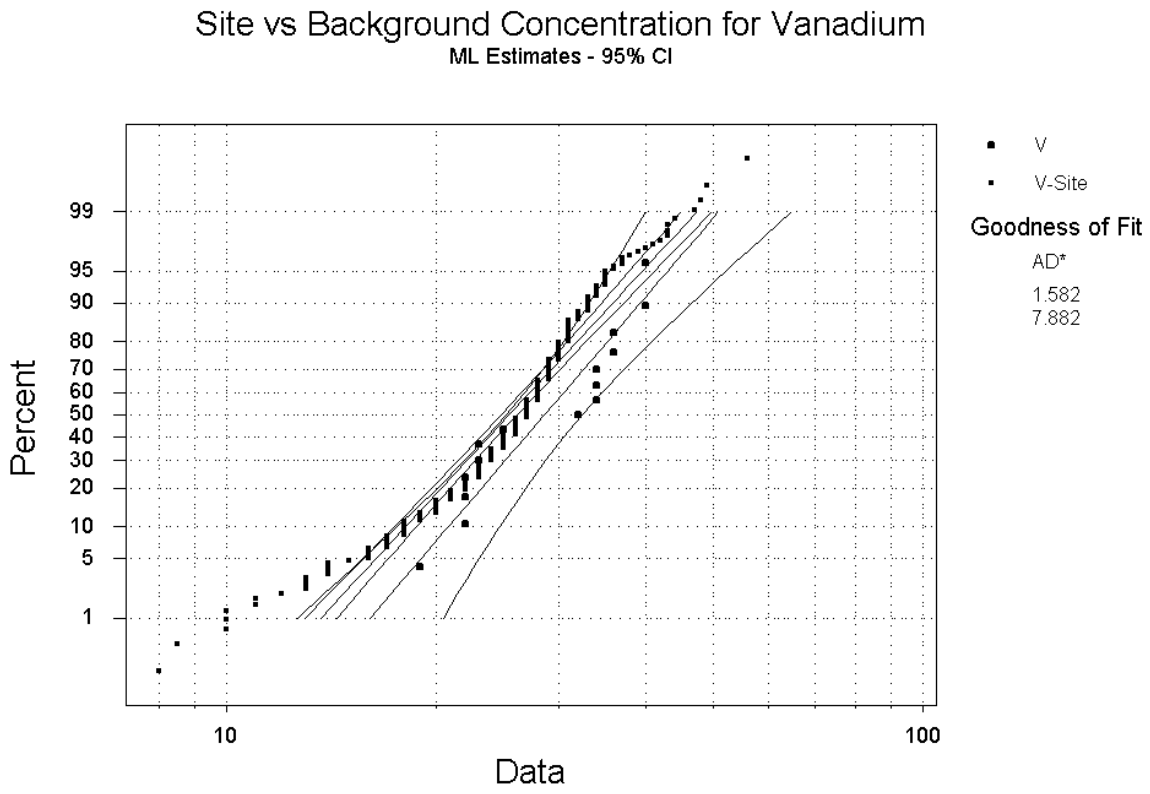

Site vs Background Concentration for Beryllium
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
1
2
Data
Be
Be-Site
Goodness of Fit
AD*
1.30
10.65


Site vs Background Concentration for Copper
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
10
20
30
Data
Cu
Cu-Site
Goodness of Fit
AD*
1.22
10.63


Site vs Background Concentration for Lead
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
10
100
1000
Data
Pb
Pb-Site
Goodness of Fit
AD*
1.30
11.24

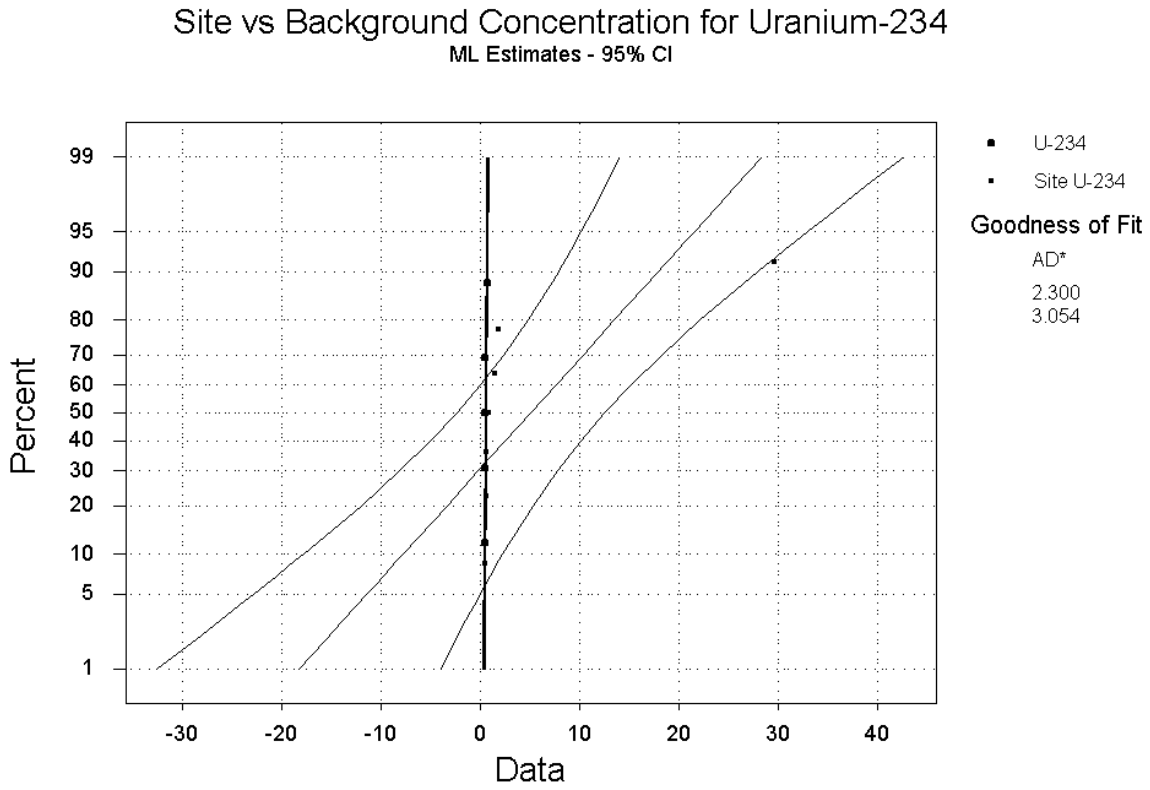

Site vs Background Concentration for Manganese
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
2500
5000
Data
Mn
Mn-Site
Goodness of Fit
AD*
1.00
14.35

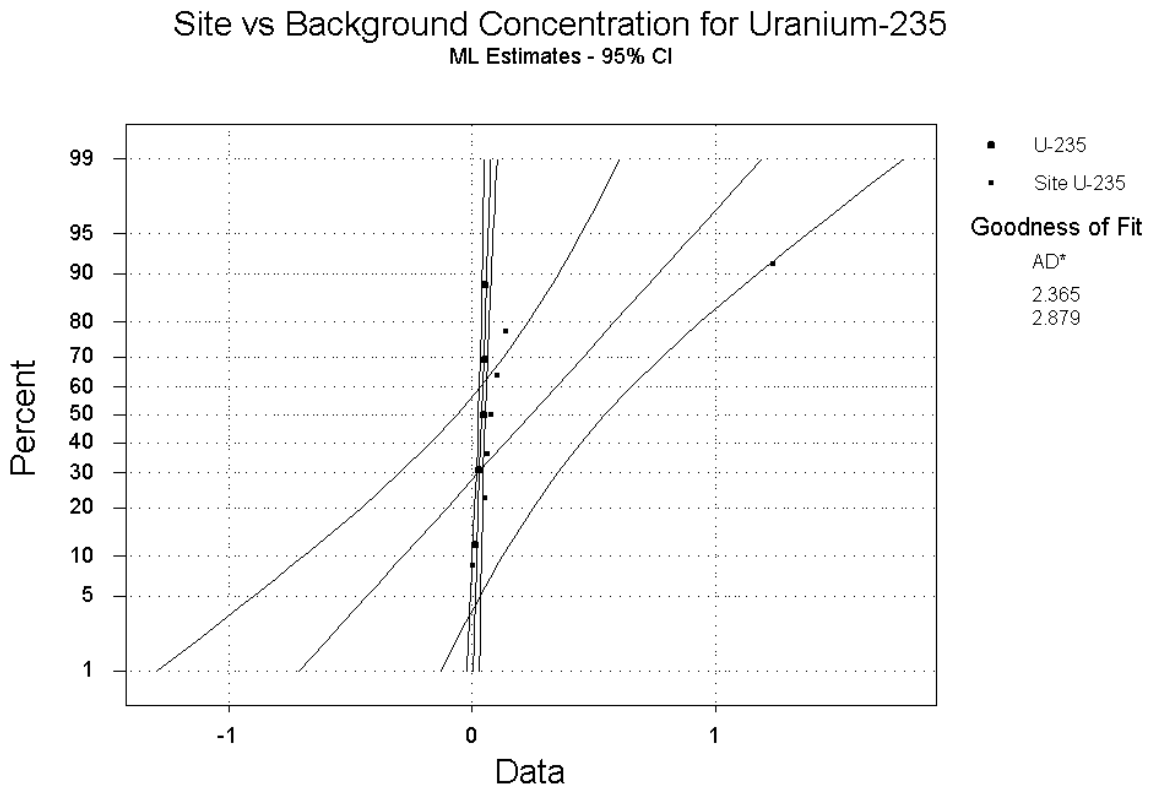

Site vs Background Concentration for Nickel
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
10
20
30
40
50
60
70
80
90
Data
Ni
Ni-Site
Goodness of Fit
AD*
1.12
15.73

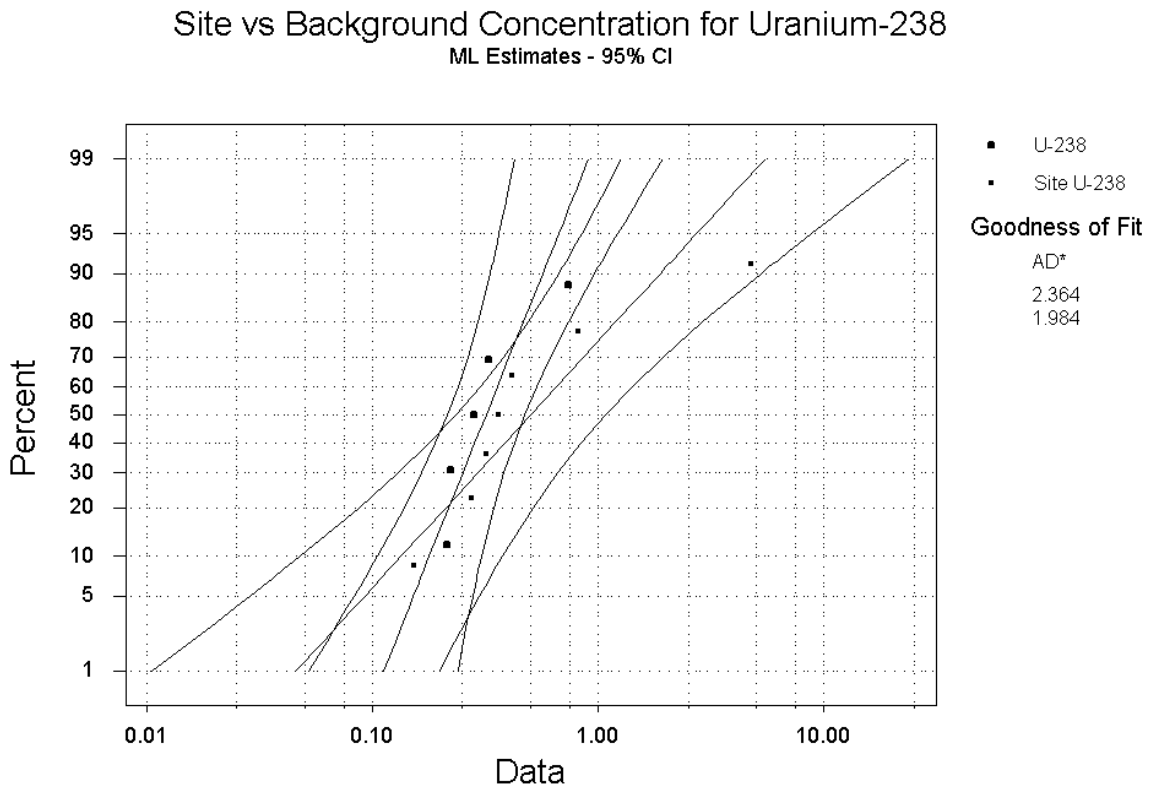

Site vs Background Concentration for Vanadium
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
10
100
Data
V
V-Site
Goodness of Fit
AD*
1.582
7.882

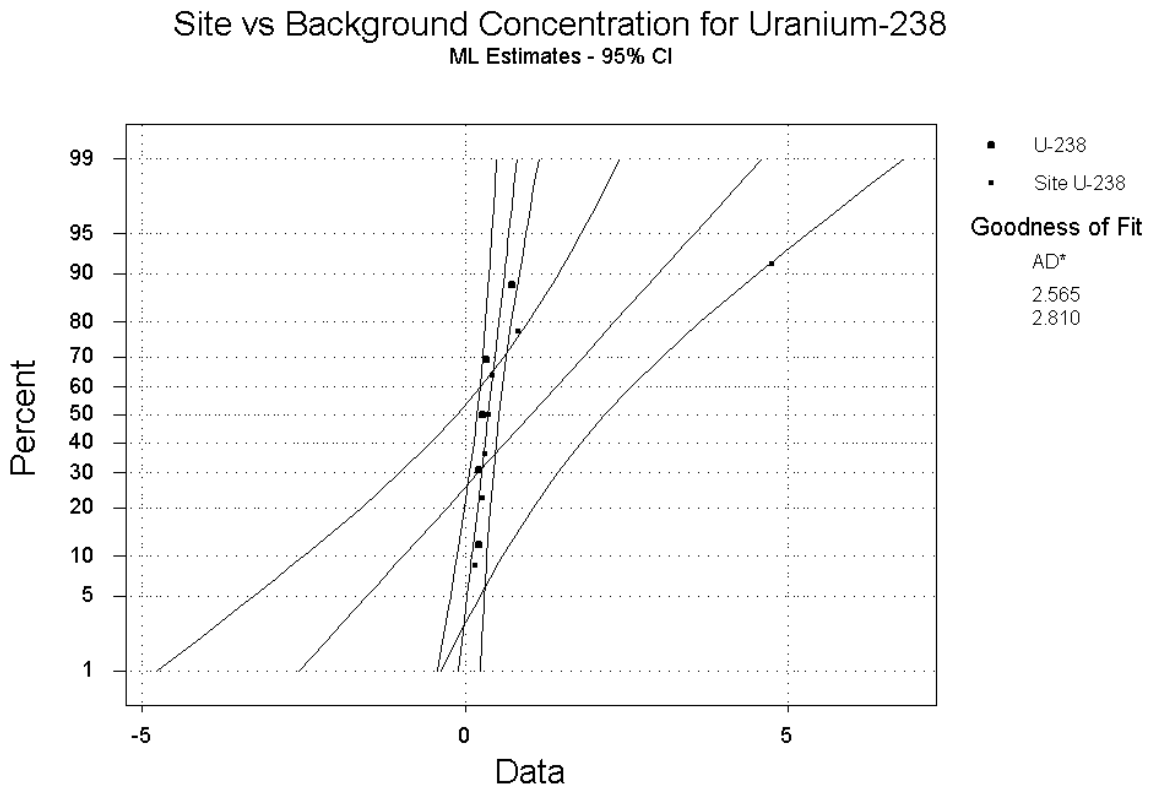
ATTACHMENT G

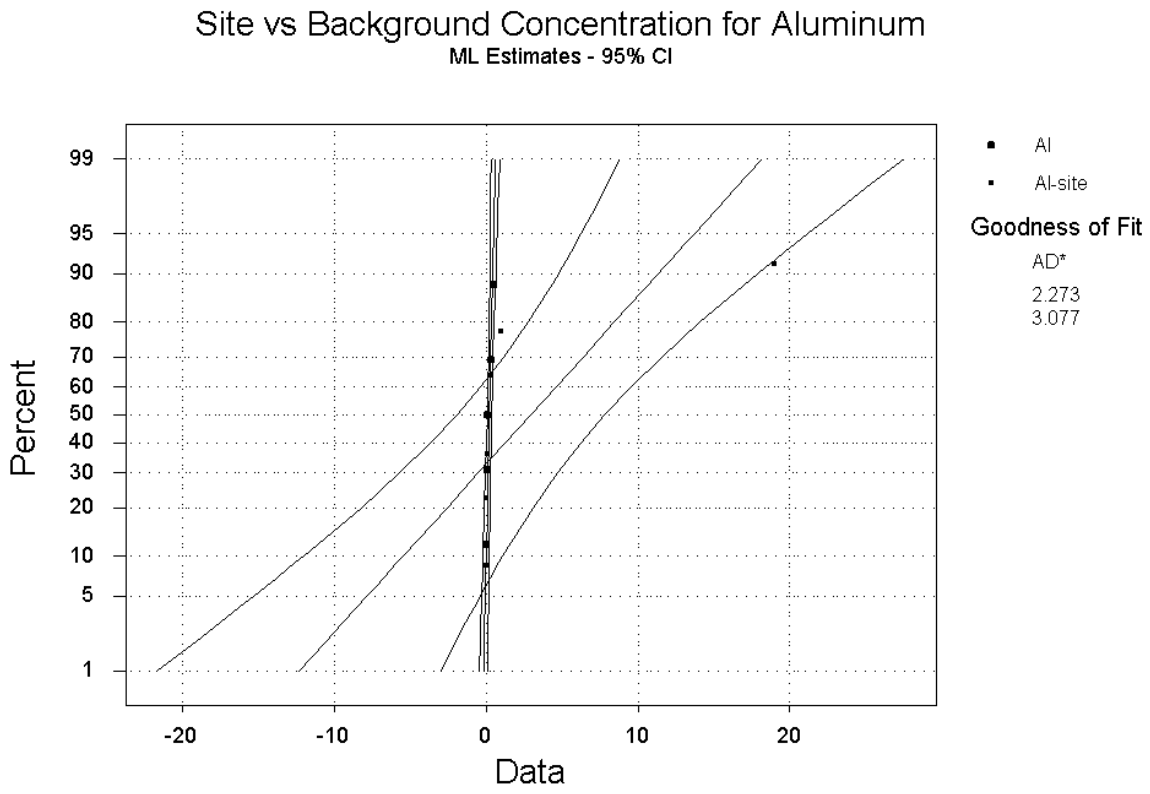
COMPARISON OF SITE AND BACKGROUND SURFACE WATER SAMPLING RESULTS USING PROBABILITY PLOTS

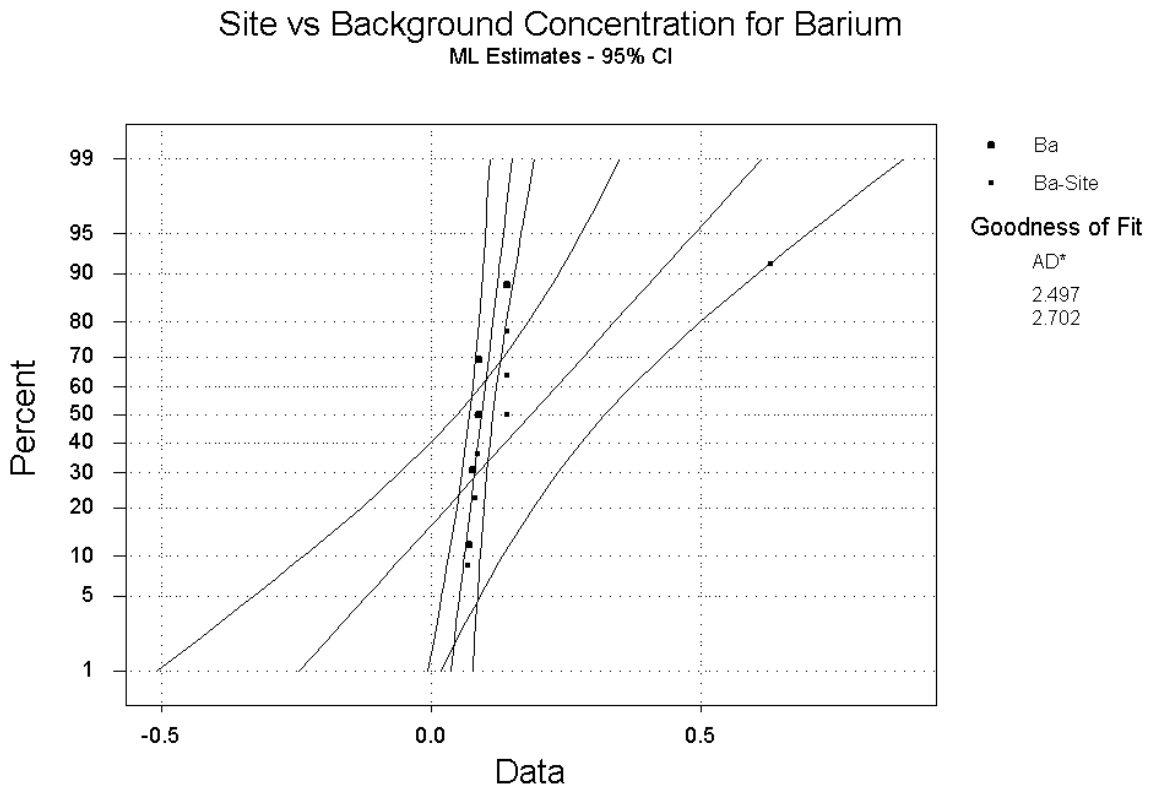

Site vs Background Concentration for Uranium-234
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
-30
-20
-10
0
10
20
30
40
Data
U-234
Site U-234
Goodness of Fit
AD*
2.300
3.054

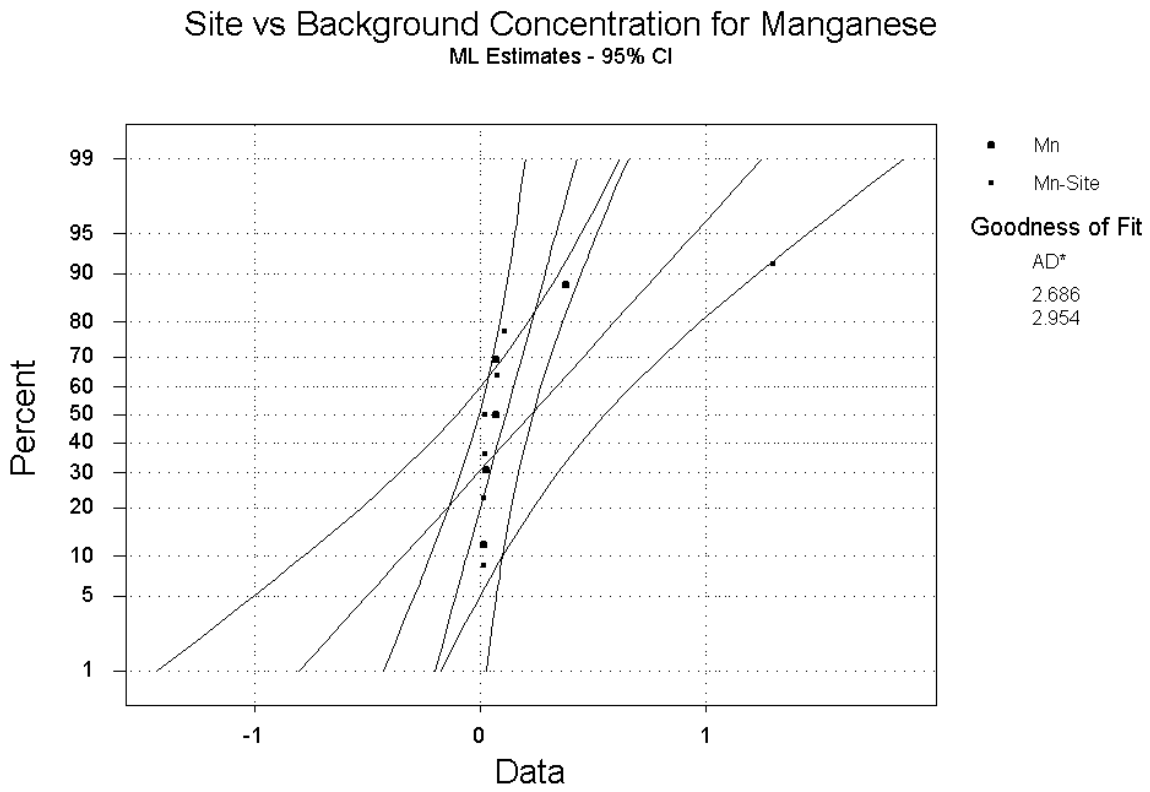

Site vs Background Concentration for Uranium-235
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
-1
0
1
Data
U-235
Site U-235
Goodness of Fit
AD*
2.365
2.879


Site vs Background Concentration for Uranium-238
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0.01
0.10
1.00
10.00
Data
U-238
Site U-238
Goodness of Fit
AD*
2.364
1.984


Site vs Background Concentration for Uranium-238
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
-5
0
5
Data
U-238
Site U-238
Goodness of Fit
AD*
2.565
2.810


Site vs Background Concentration for Aluminum
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
-20
-10
0
10
20
Data
Al
Al-site
Goodness of Fit
AD*
2.273
3.077


Site vs Background Concentration for Barium
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
-0.5
0.0
0.5
Data
Ba
Ba-Site
Goodness of Fit
AD*
2.497
2.702

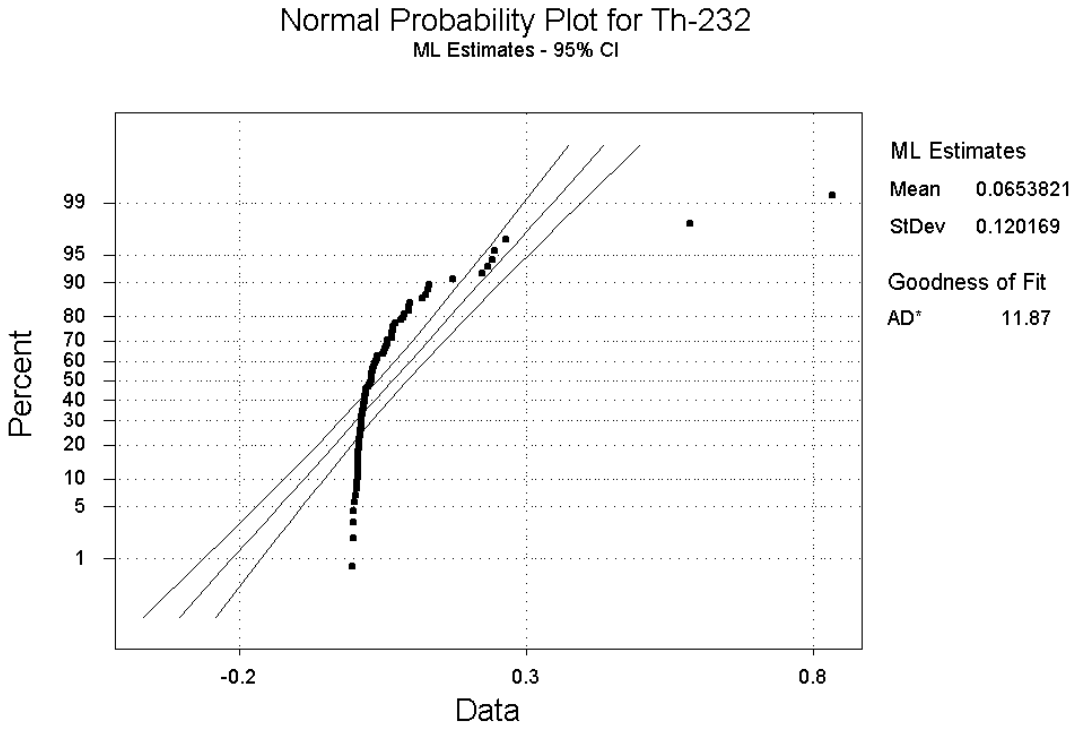

Site vs Background Concentration for Manganese
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
-1
0
1
Data
Mn
Mn-Site
Goodness of Fit
AD*
2.686
2.954

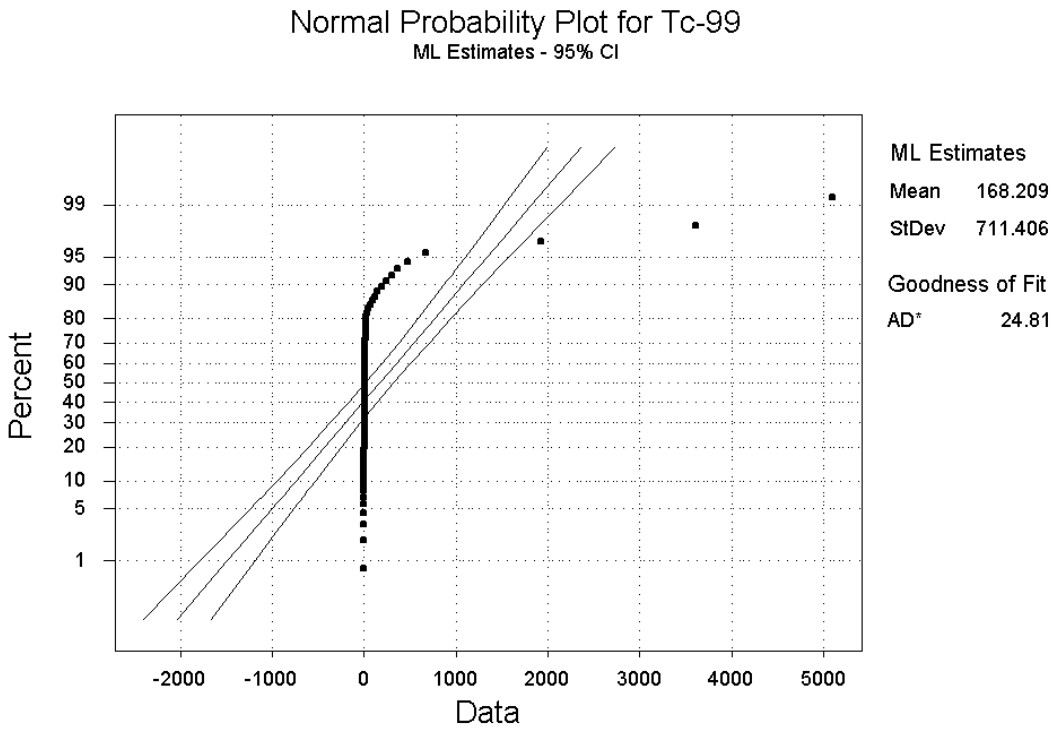
ATTACHMENT H

DETERMINATION OF BACKGROUND DATA FROM SITE GROUNDWATER OVERBURDEN FORMATION SAMPLING RESULTS USING PROBABILITY PLOTS

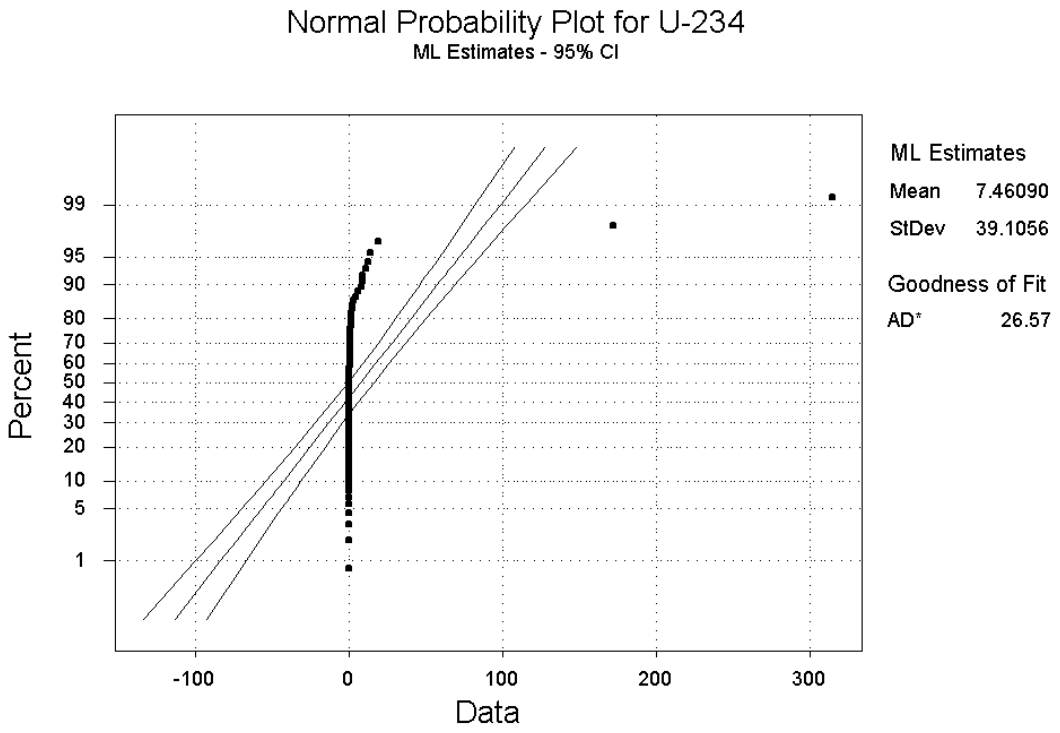
Attachment H
Probability Plots for Groundwater Applicable Analytes

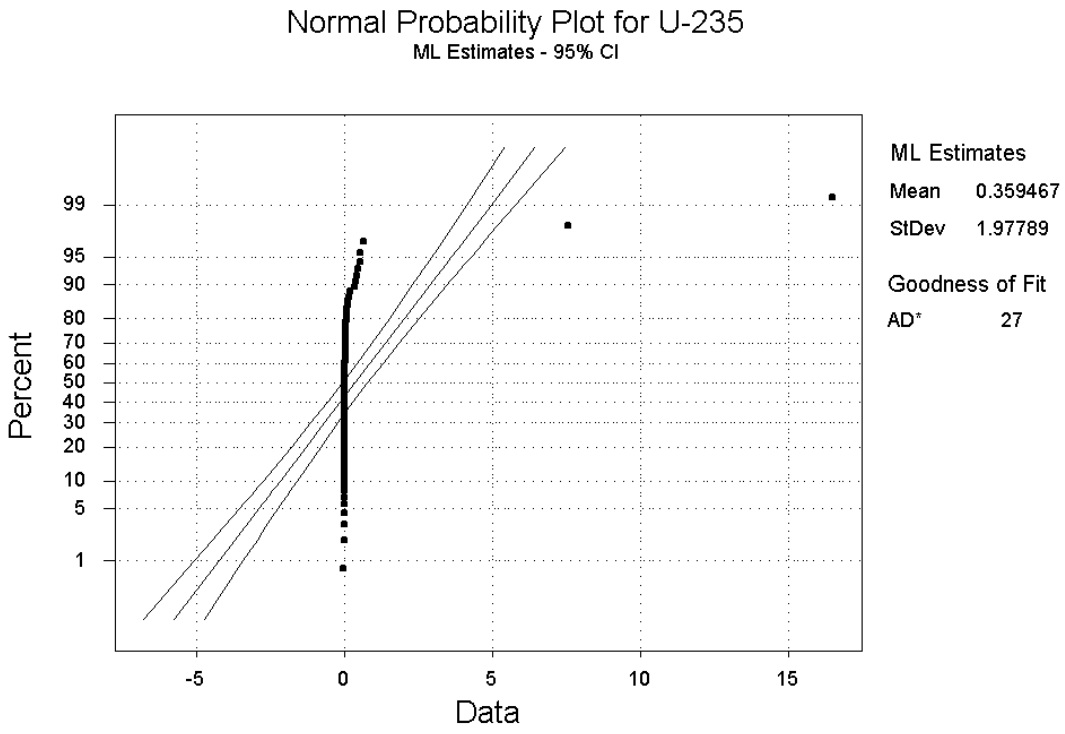
Overburden: Radionuclide



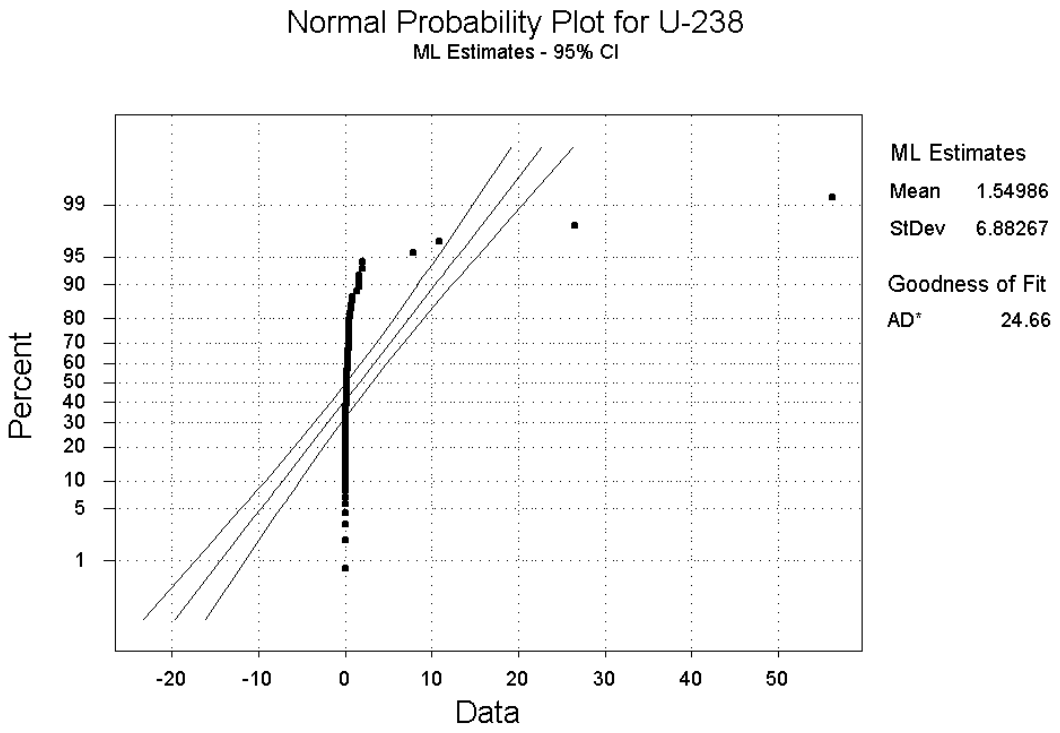


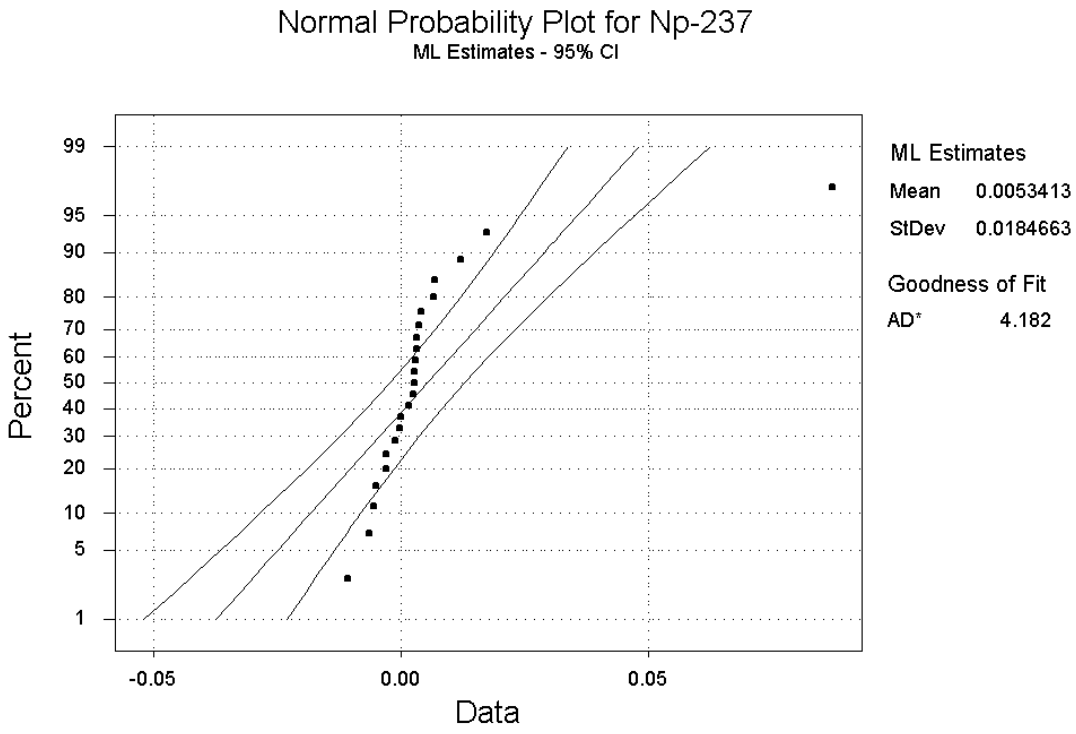
Attachment H
Probability Plots for Groundwater Applicable Analytes



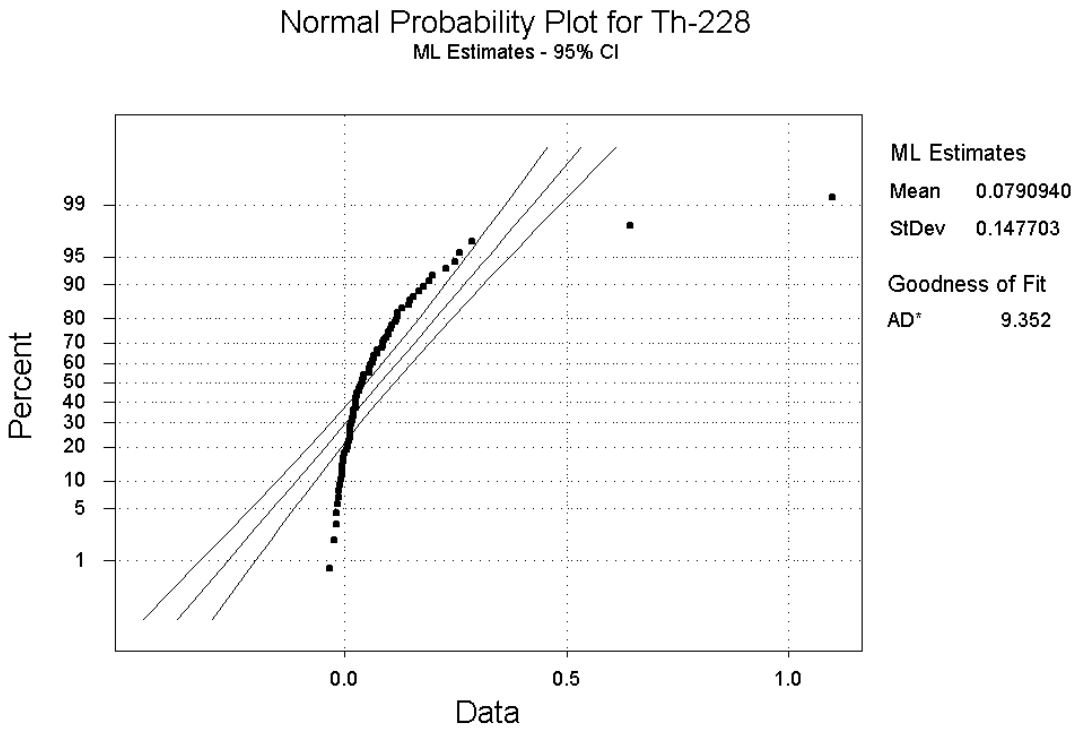


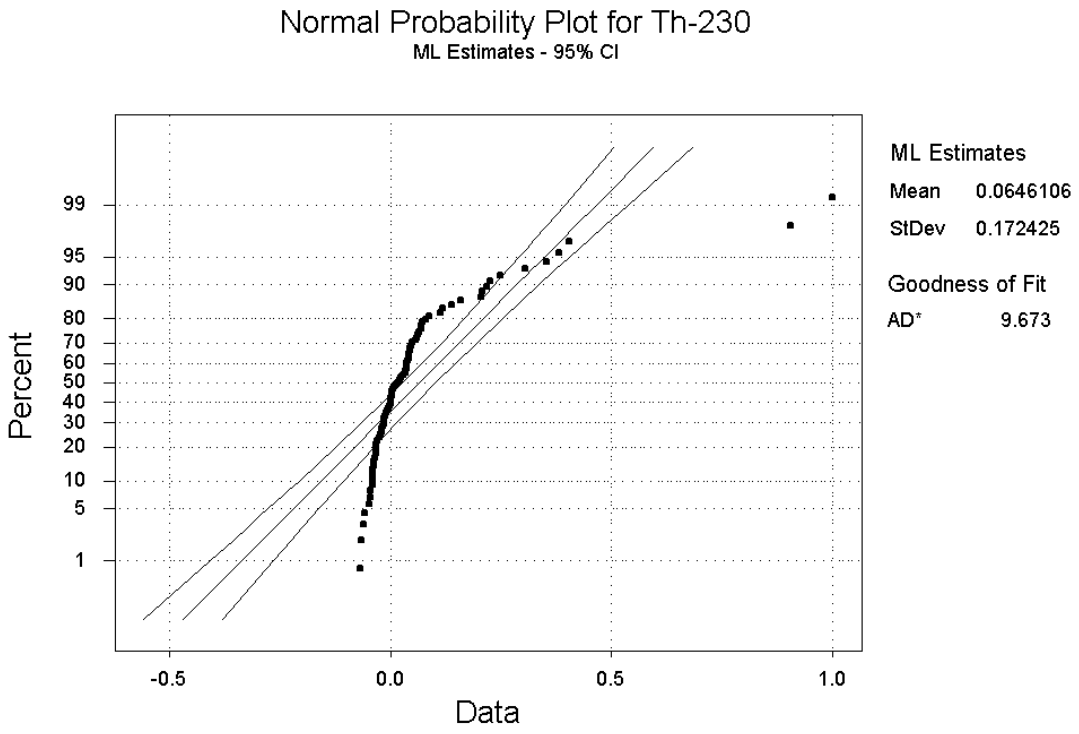
Attachment H
Probability Plots for Groundwater Applicable Analytes



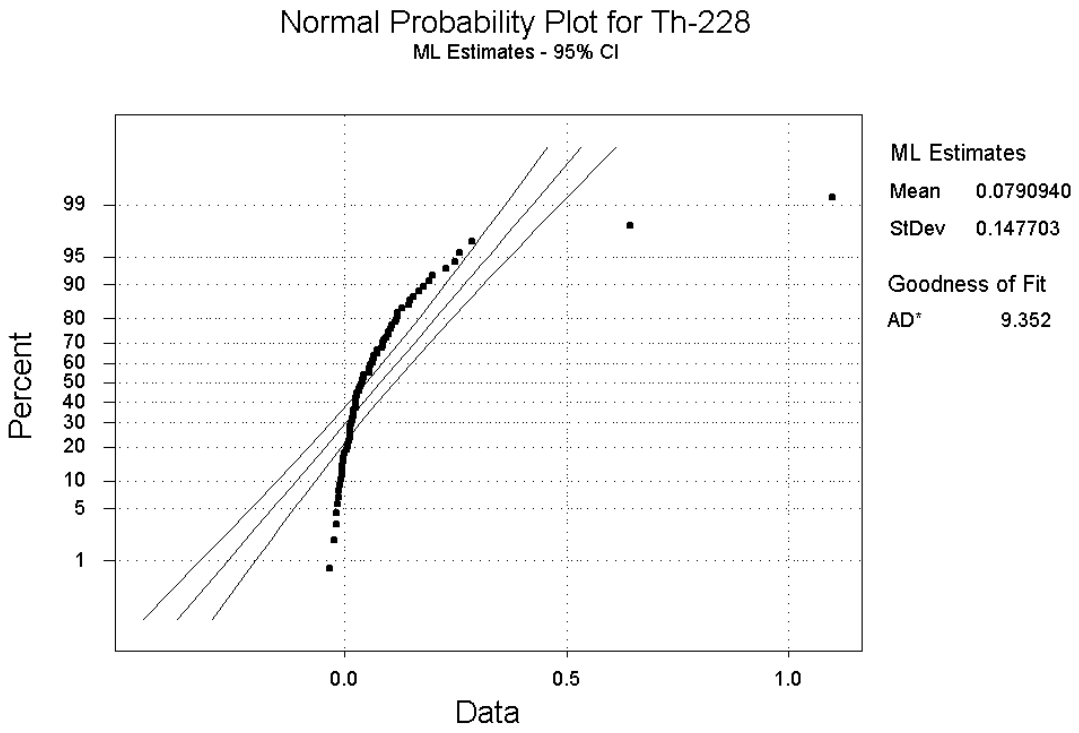


Attachment H
Probability Plots for Groundwater Applicable Analytes



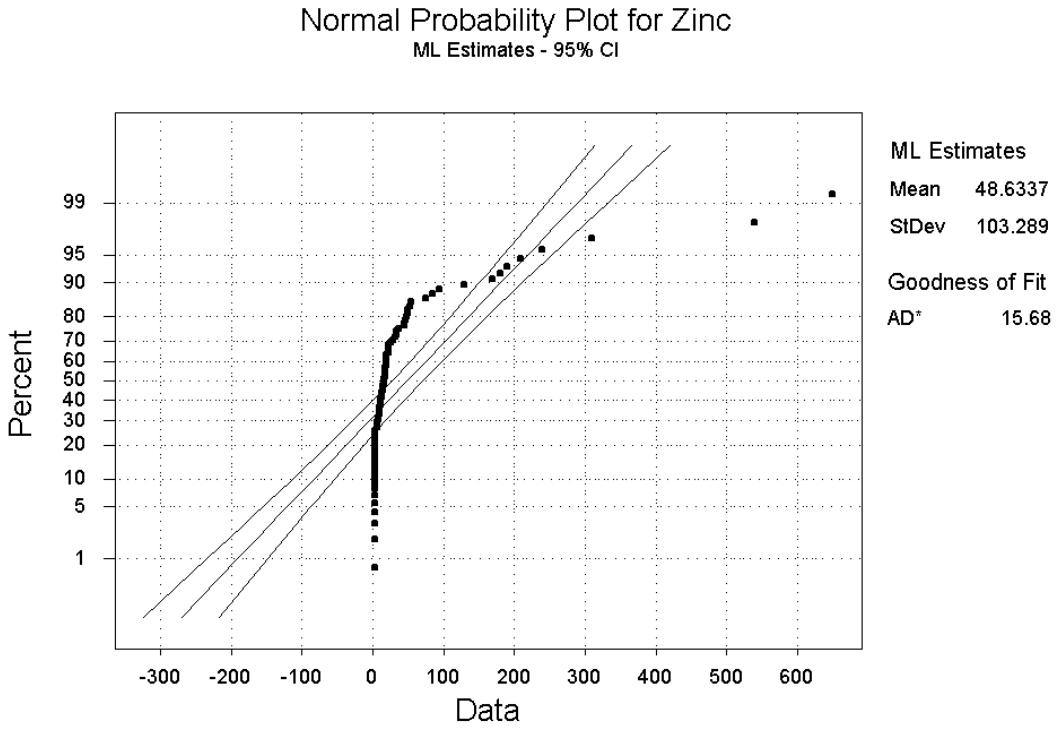


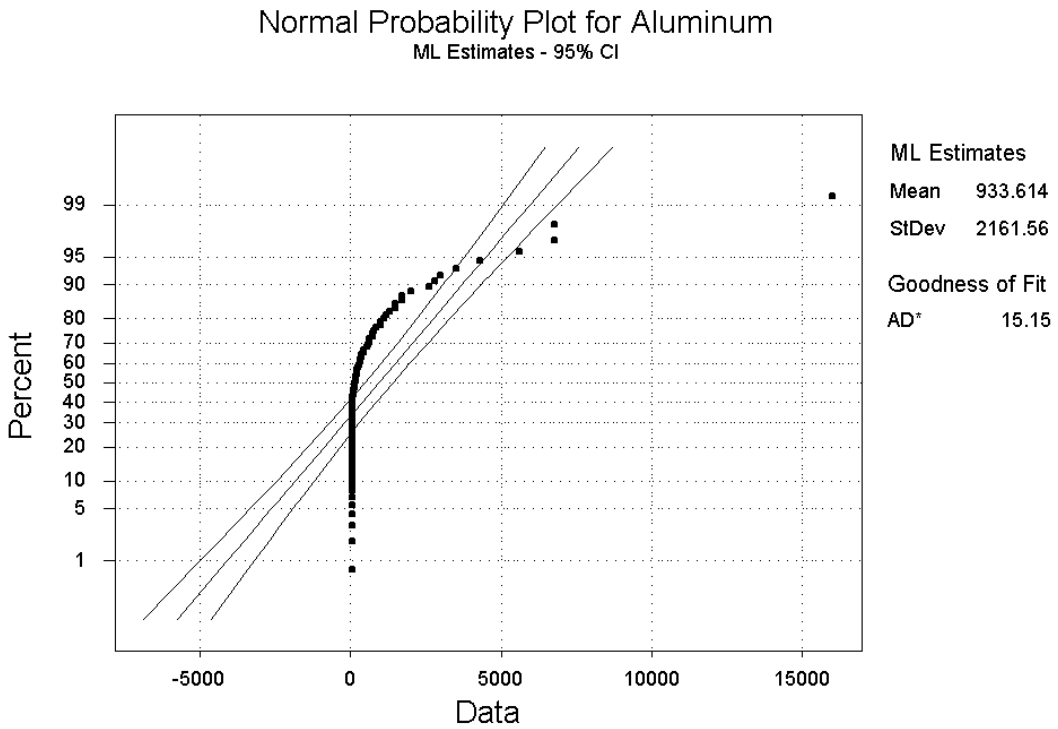
Attachment H
Probability Plots for Groundwater Applicable Analytes



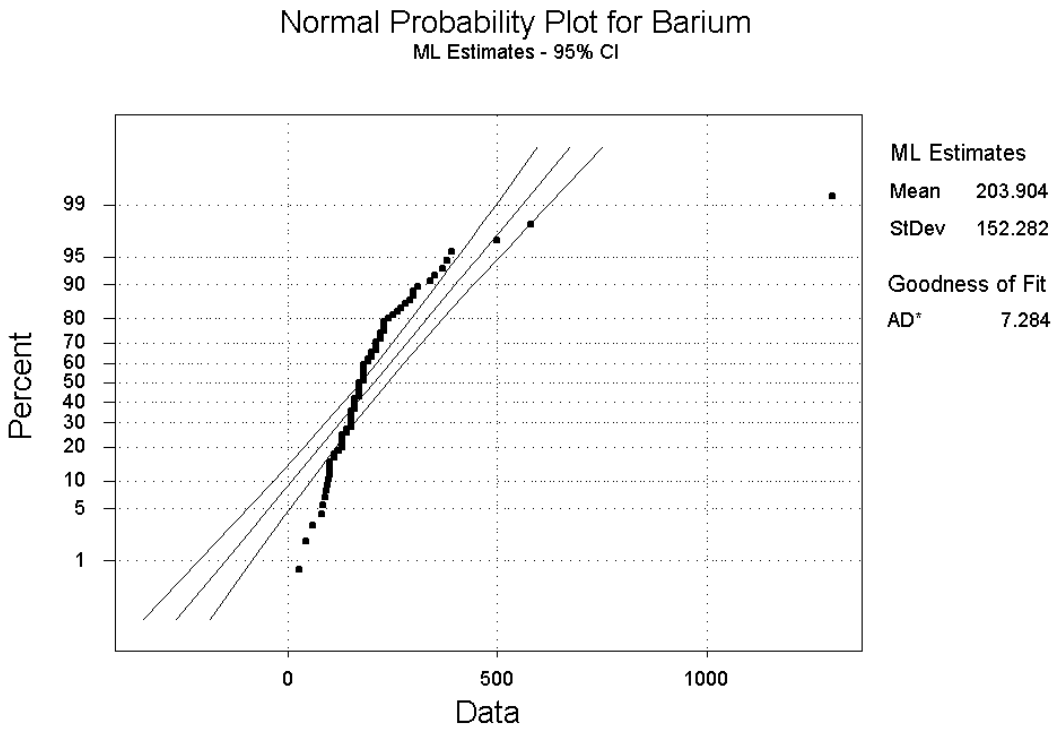
Attachment H
Probability Plots for Groundwater Applicable Analytes

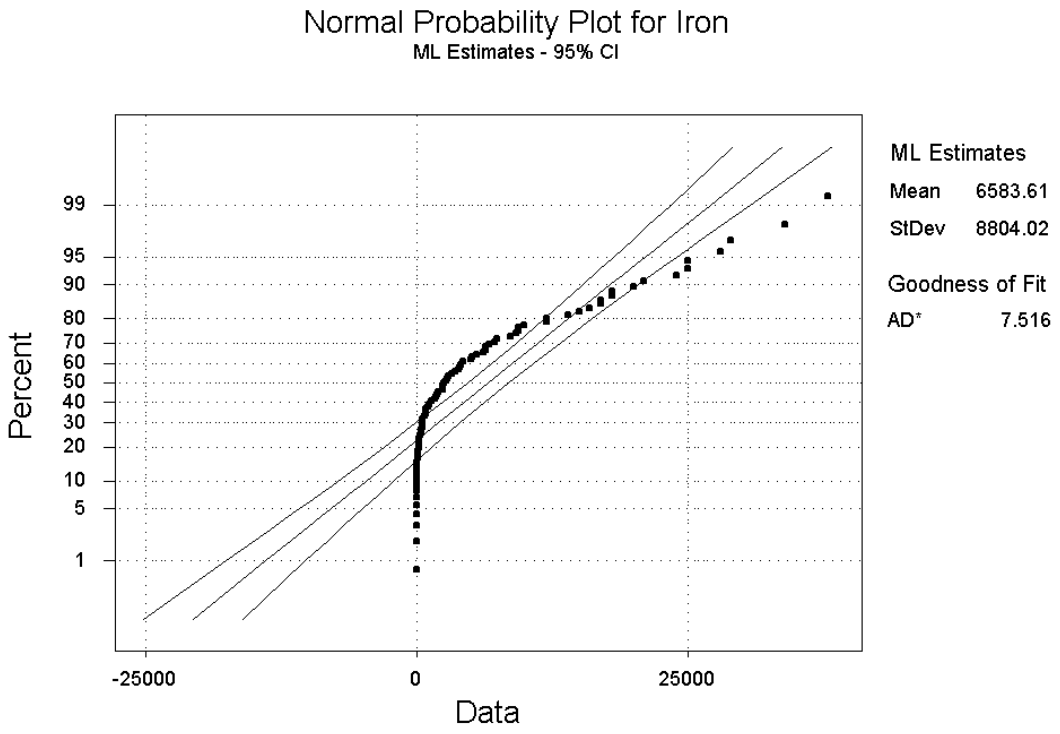
Overburden: Metal



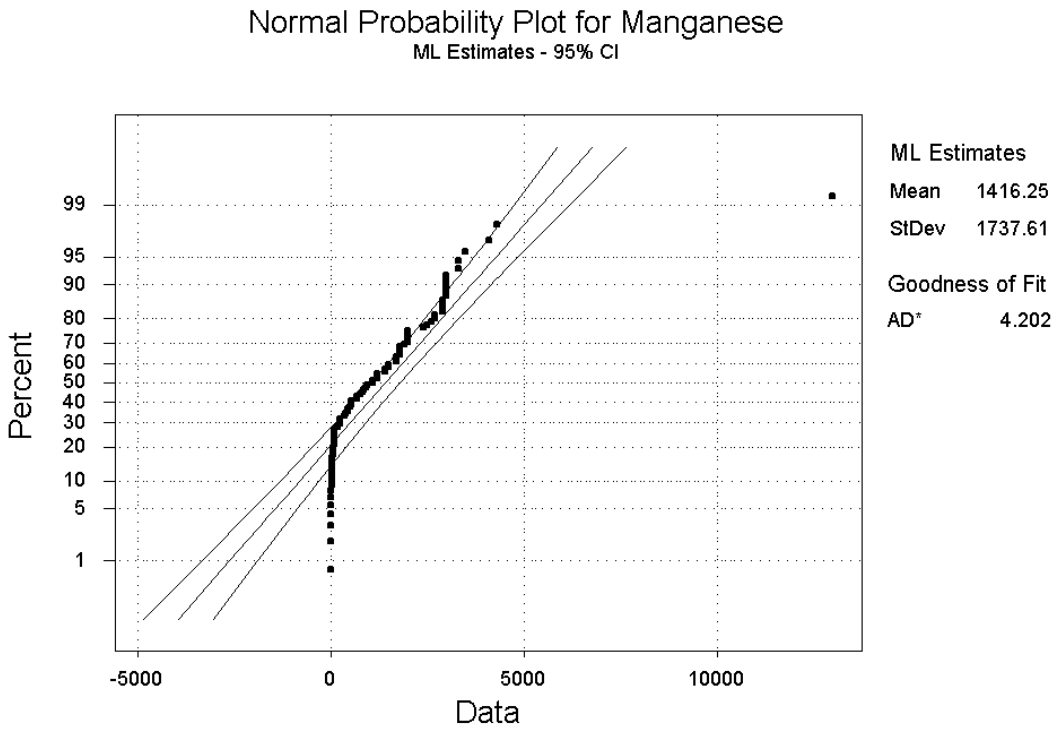


Attachment H
Probability Plots for Groundwater Applicable Analytes



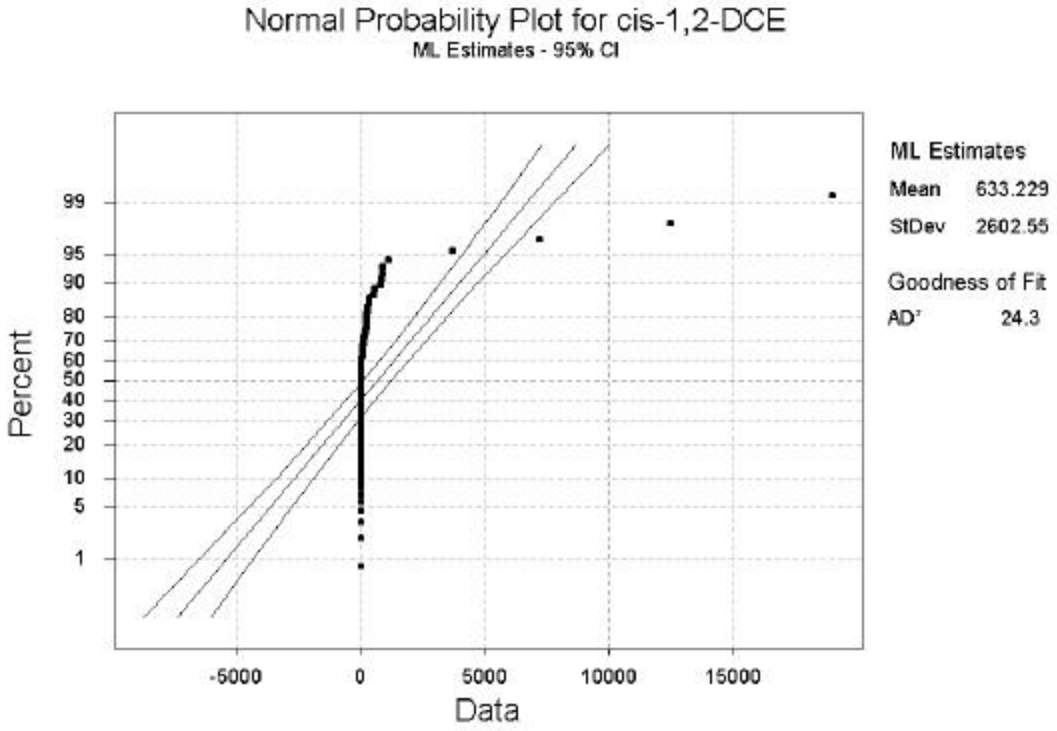


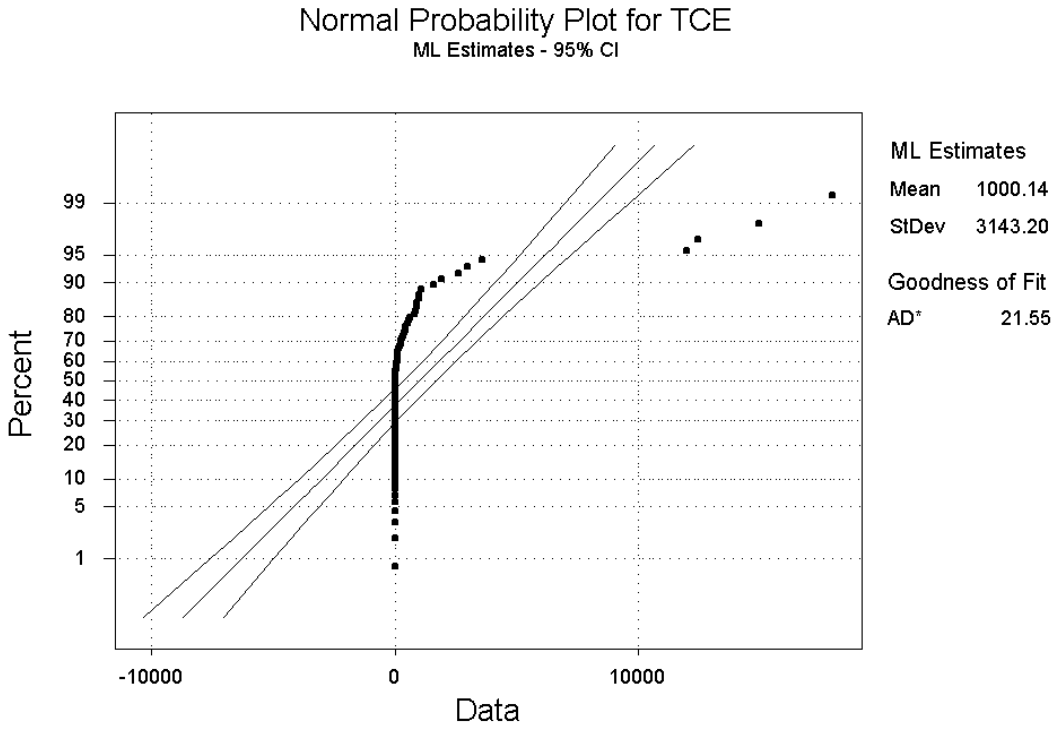
Attachment H
Probability Plots for Groundwater Applicable Analytes



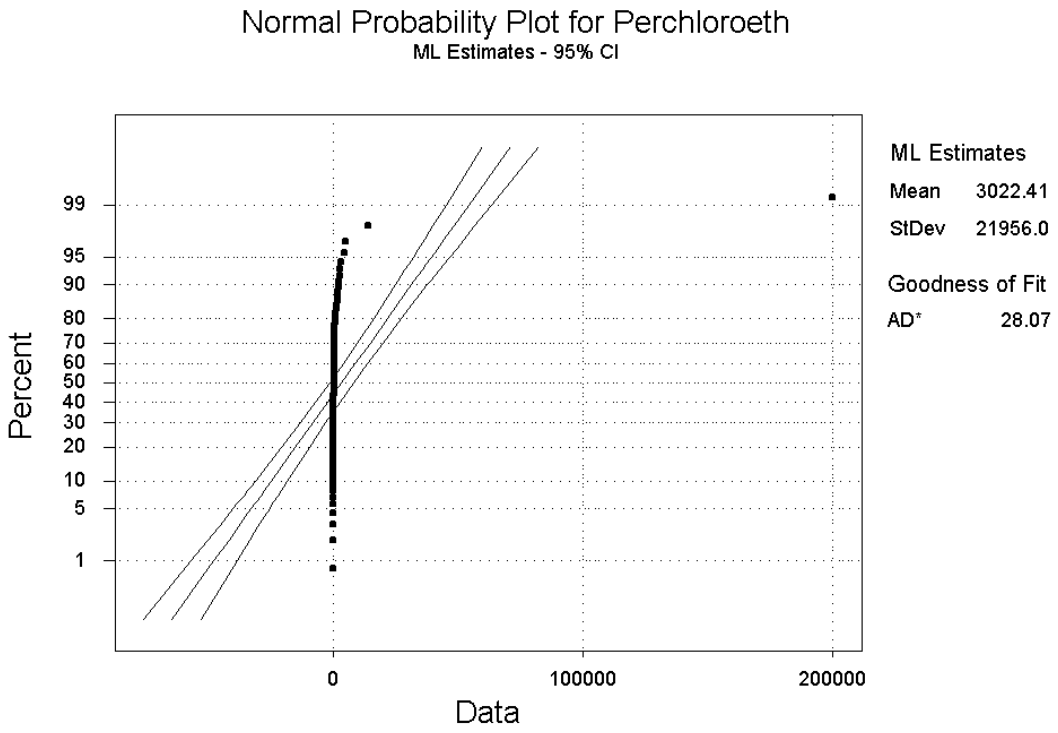
Attachment H
Probability Plots for Groundwater Applicable Analytes

Overburden: VOC





Attachment H
Probability Plots for Groundwater Applicable Analytes

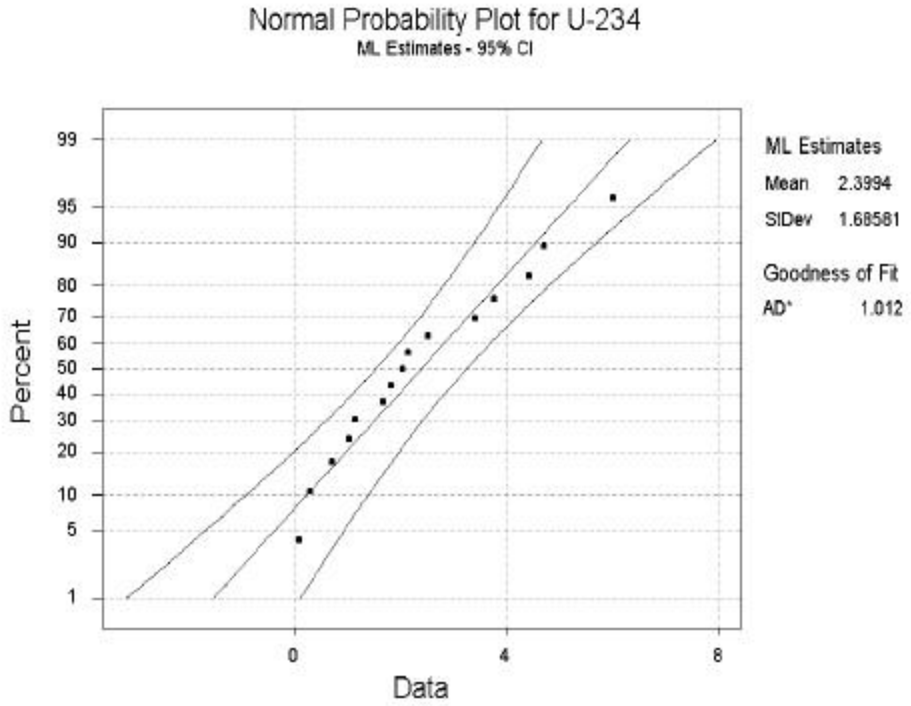


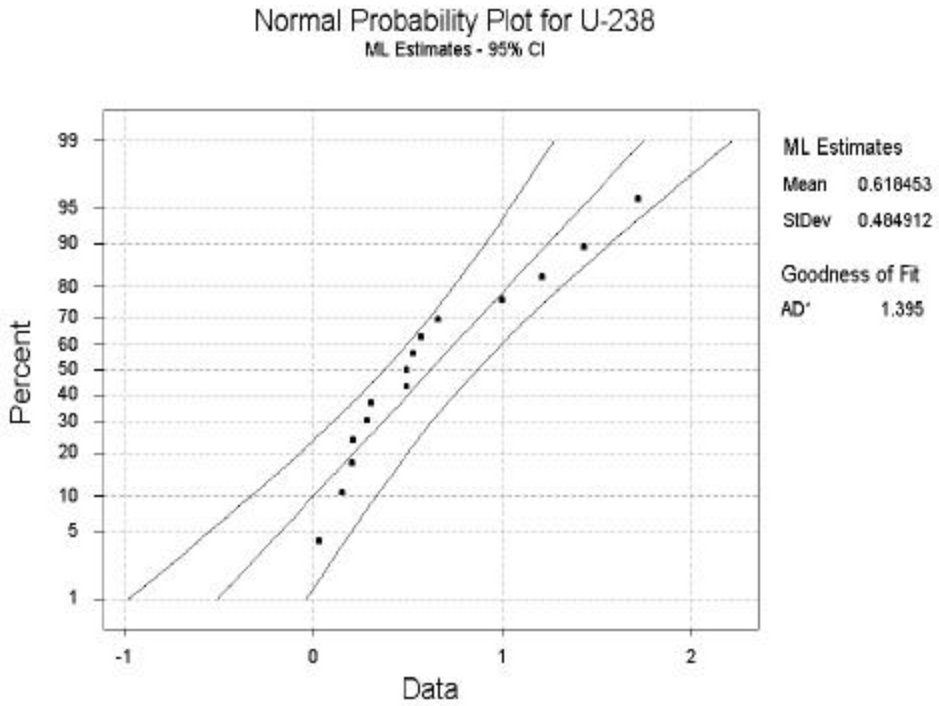
ATTACHMENT I

DETERMINATION OF BACKGROUND DATA FROM SITE GROUNDWATER JEFFERSON CITY FORMATION SAMPLING RESULTS USING PROBABILITY PLOTS

Attachment I
Probability Plots for Groundwater Applicable Analytes

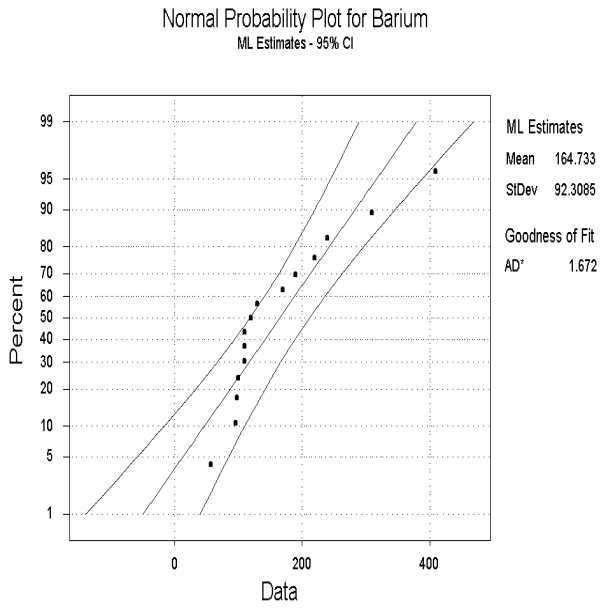
Jefferson City Formation - Radionuclide

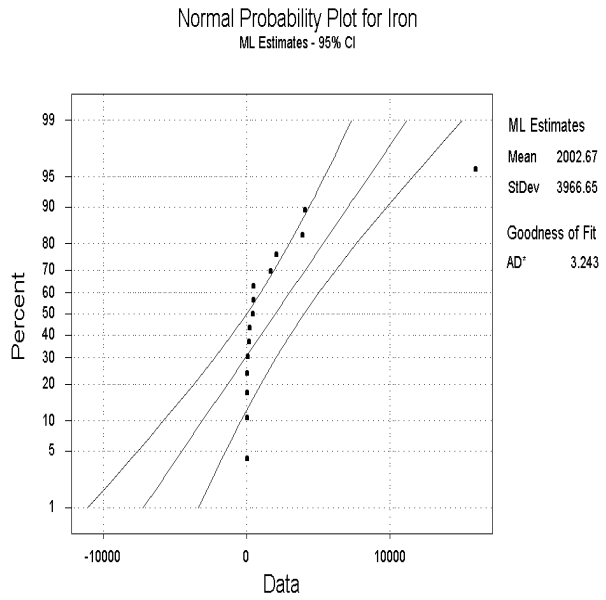


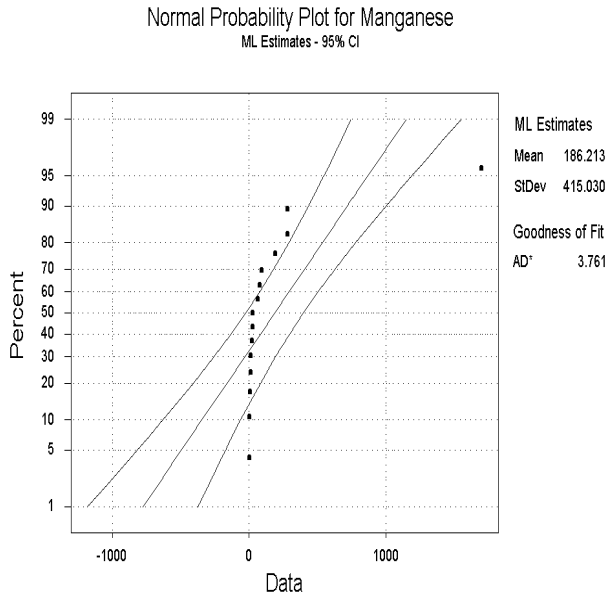


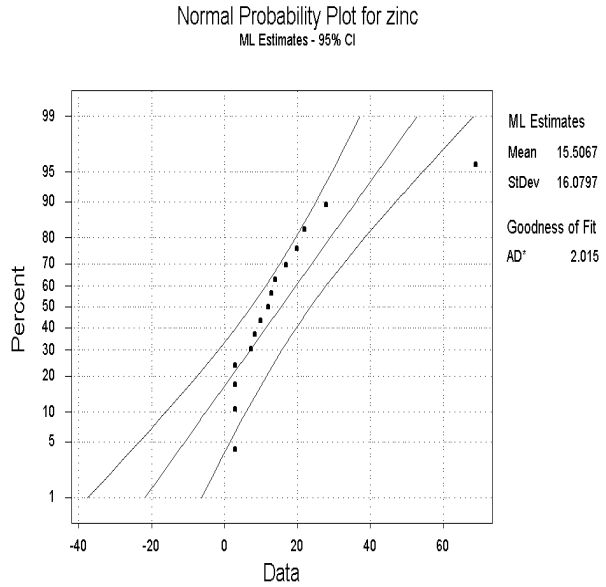
Attachment I
Probability Plots for Groundwater Applicable Analytes

Jefferson City Formation - Metal



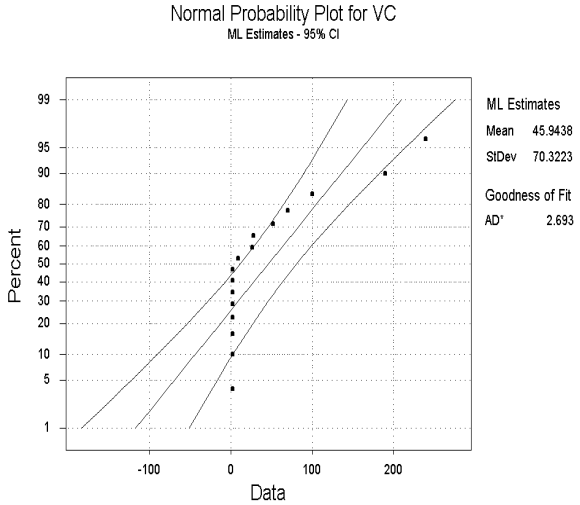


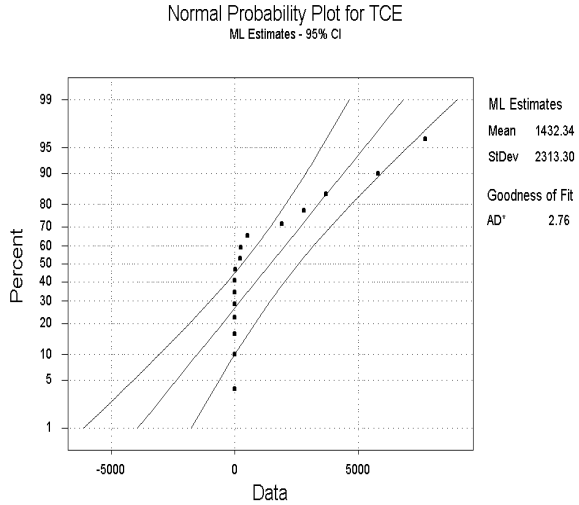


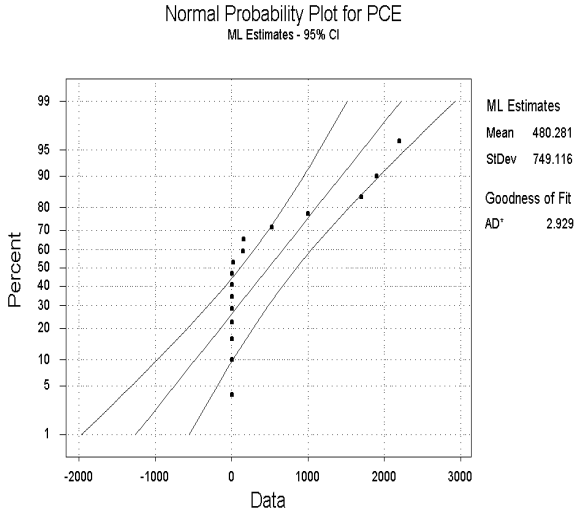


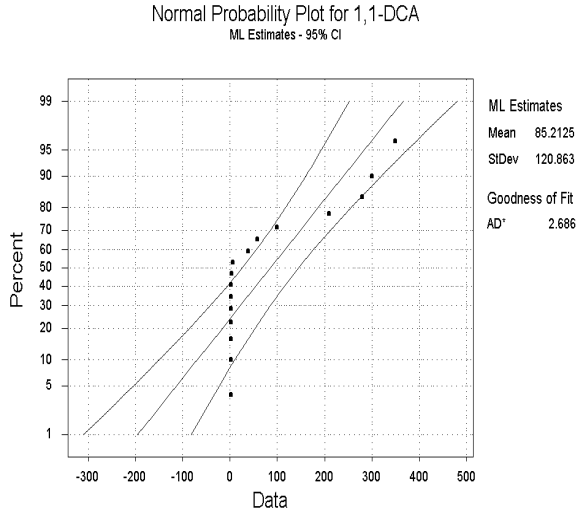
Attachment I
Probability Plots for Groundwater Applicable Analytes

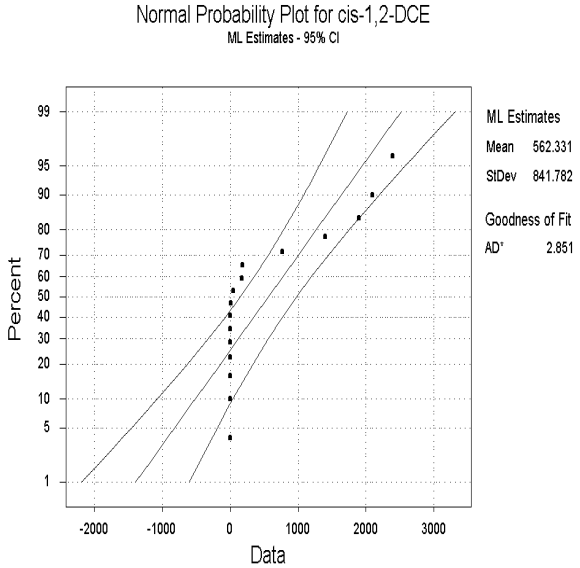
Jefferson City Formation - VOC









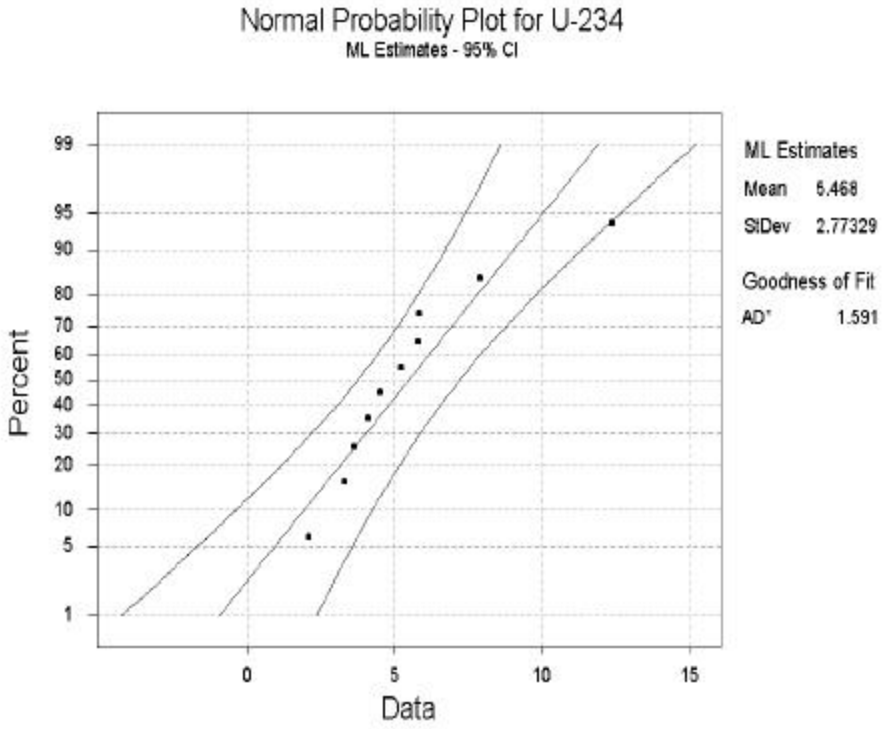


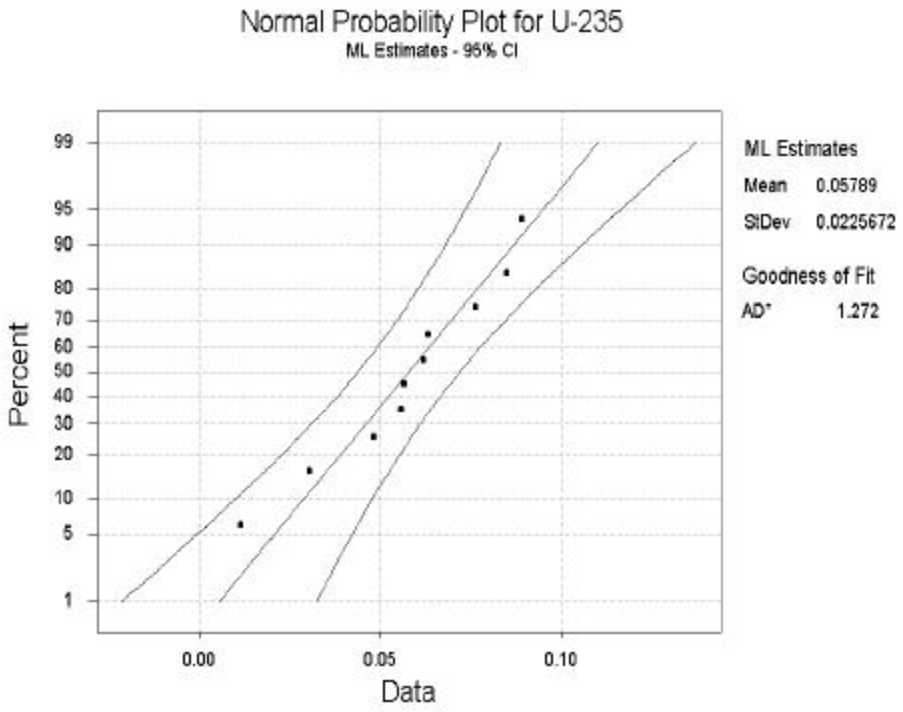
ATTACHMENT J

DETERMINATION OF BACKGROUND DATA FROM SITE GROUNDWATER ROUBIDOUX FORMATION SAMPLING RESULTS USING PROBABILITY PLOTS

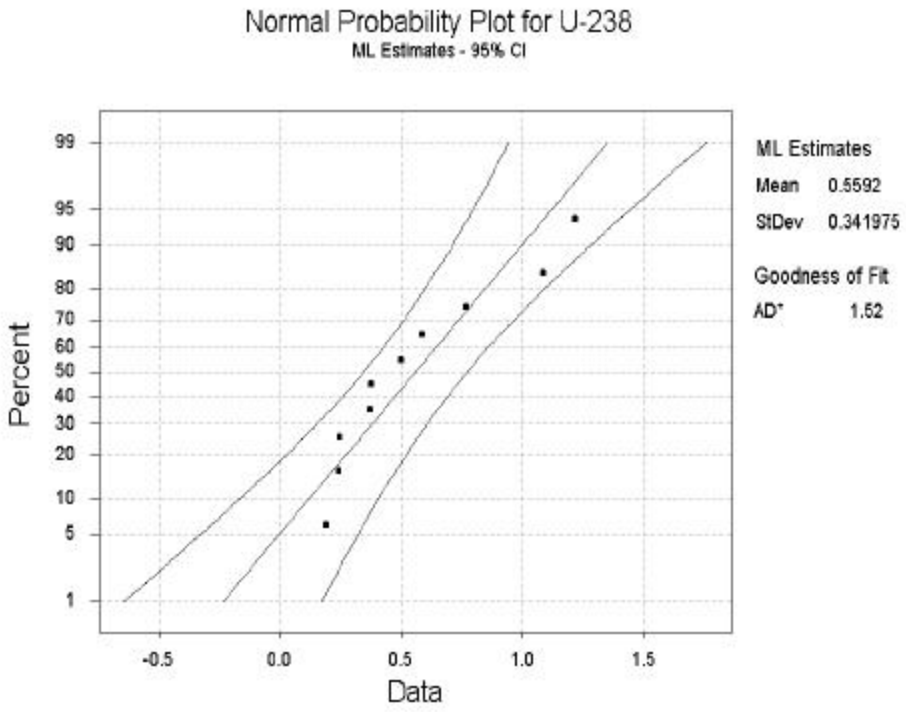
Attachment J
Probability Plots for Groundwater Applicable Analytes

Roubidoux Formation - Radionuclide



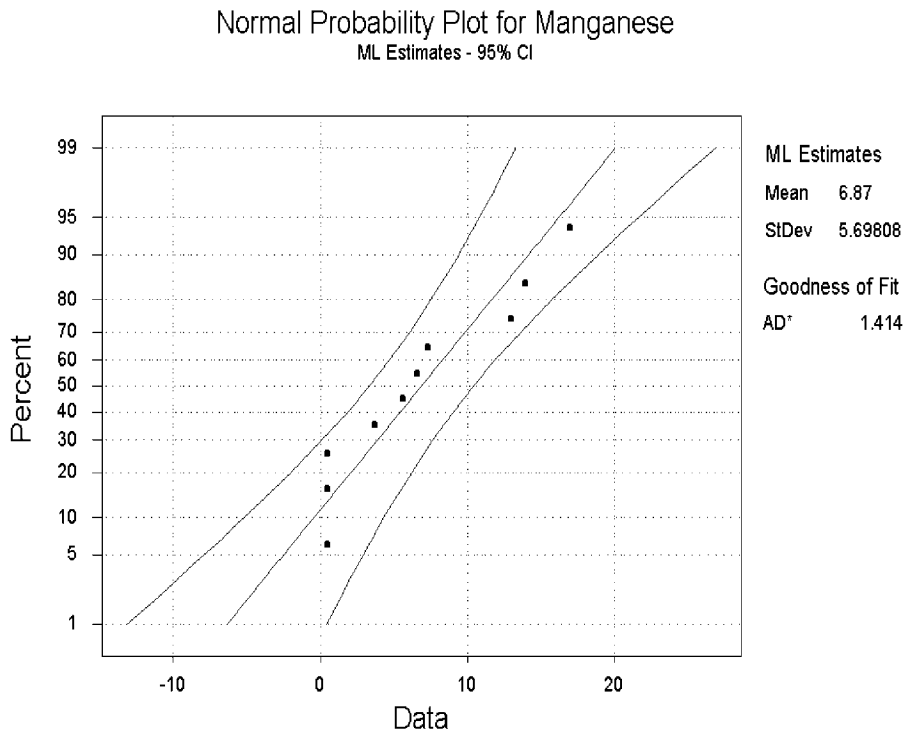


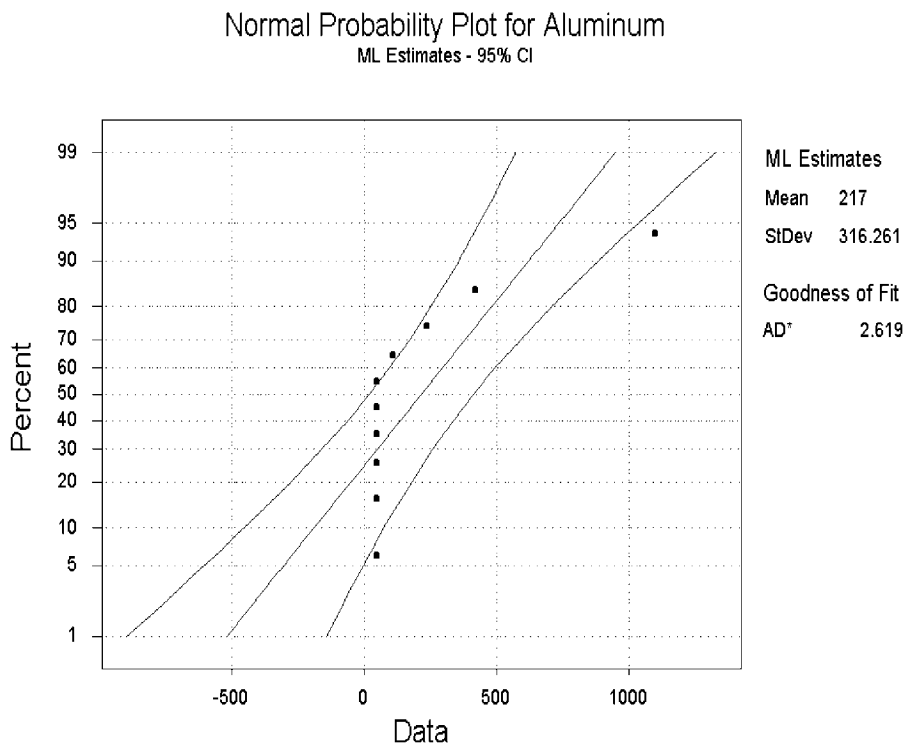
Attachment J
Probability Plots for Groundwater Applicable Analytes



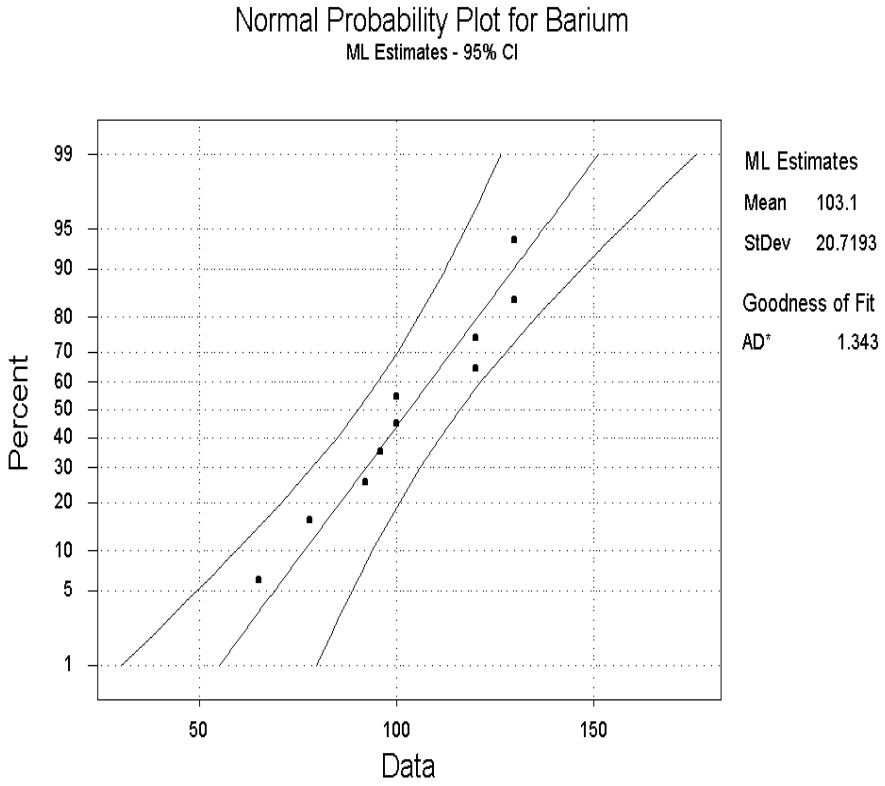
Attachment J
Probability Plots for Groundwater Applicable Analytes

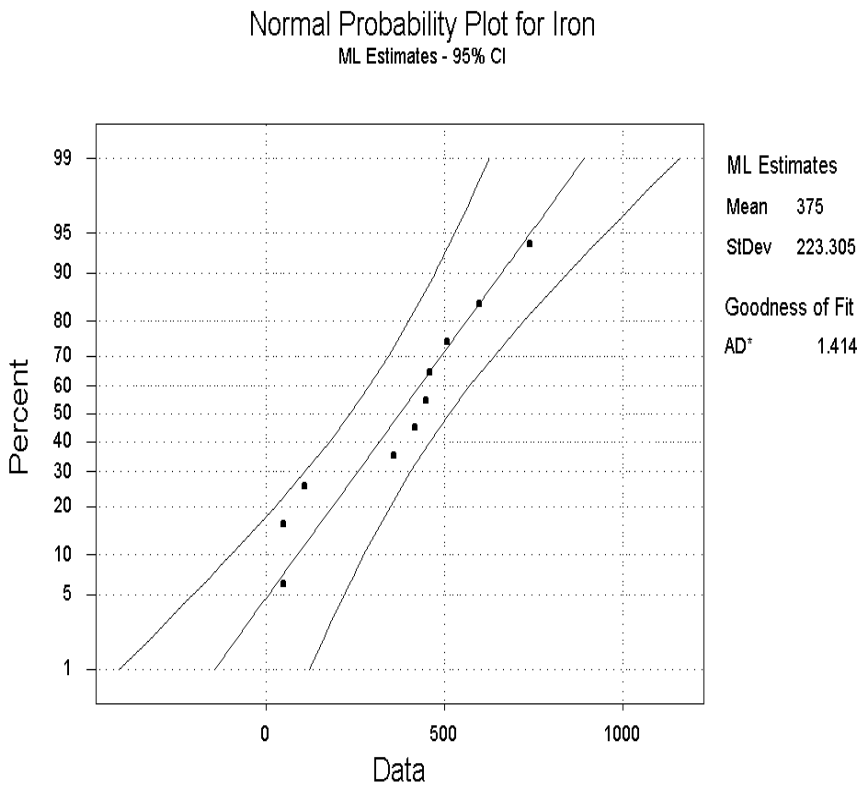
Roubidoux Formation - Metal





Attachment J
Probability Plots for Groundwater Applicable Analytes





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APPENDIX K
RADIUM AND THORIUM ISOTOPES AT THE HEMATITE SITE

(Note: The following report was prepared by Westinghouse, LLC)

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EVALUATION OF THE PRESENCE OF RADIUM AND FISSION PRODUCTS AT THE HEMATITE SITE

Table of Contents

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2 Definitions 3
3 Characteristics of the Natural Decay Chains 4
3.1 Thorium-232 Decay Chain 4
3.2 Uranium-238 Decay Chain 4
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Evaluation of the Potential Presence of Radium and Fission Products at the Hematite Site

1 Questions

During discussions with both federal and state regulators the following two questions have been raised with respect to the historical knowledge related to previous operations conducted on the Hematite site. In both cases the information obtained during the preparation of the Historical Site Assessment has not indicated that either of the following two operations was ever conducted. An assessment was made of the site characterization data to determine if there was any indication of the presence of unanticipated radionuclides on the site that would respond to the questions.

- Does the RI radiological characterization data provide any information as to whether "ore body" material was used at the site during early operations? The issue is the possible presence of the radium isotopes (primarily ^{226}Ra) in concentrations greater than what would be present in nature. The question arises because other Malinckrodt sites in the St. Louis area have this situation with their soil contamination.

- Does the RI radiological characterization data provide any information as to whether "fission products" are present at the site? The presence of such radioisotopes might indicate that certain operations (such as Service Center operations) were conducted during site operations.

If such radionuclides were present it would be necessary to incorporate provisions in the Decommissioning Plan, such as Derived Concentration Guideline Levels (DCGLs), to provide for the demonstration that the site meets the criteria for license termination in accordance with applicable regulations.

Certain radionuclides are not included in this analysis. This includes 99Tc, 241Am, 239Pu and 237Np. These specific radionuclides were designated as potential radionuclides of concern because it is known that they were present in the processed enriched uranium feed to the plant during operation.

2 Definitions

The following definitions are used in this report:

- "Fission Products" – This term designates radioactive isotopes that are not part of the normally occurring decay chains for uranium and thorium. Some of the radioisotopes are naturally occurring (i.e. ^{7}Be) but most are man-made radioisotopes. Their presence on the site could indicate that operations had been conducted in the past involving the presence of these radioisotopes that are not otherwise present in the uranium and thorium fuel cycles. An example of such operations would be "Service Center" operations where services are provided to

operating nuclear power plants and could involve receiving contaminated tooling from the nuclear power plants that would introduce "fission products" to the site.

- "Ore Materials" – Ore body materials that contain concentrations of naturally occurring uranium and thorium at levels above normal background concentrations in soil and rock. Such ore materials will contain the progeny (i. e. ^{226}Ra, ^{228}Ra, etc.) associated with the naturally occurring ^{238}U, ^{235}U and ^{232}Th decay chain series. Normally such ore materials are the tailings that exist after the ore body has been processed to extract certain mineral content such as uranium, thorium, tantalum. zirconium, etc. The decay chain progeny may or may not be in equilibrium with their respective parent radionuclides in these ore tailings depending on their processing history.
- "Processed Uranium" – Uranium that has been chemically purified as a step in the fuel fabrication process. This removes all of the decay chain progeny from the uranium and the process of in-growth of the progeny begins anew from the date of chemical separation.

3 Characteristics of the Natural Decay Chains

3.1 Thorium-232 Decay Chain

The Th-232 decay chain scheme (4n Series) is given in Attachment K-1. Once Th-232 is chemically purified it will return to secular equilibrium as shown in the curves of Figure 4-1. Within about 30 years the entire chain has returned to secular equilibrium. Since historical site knowledge indicates that the potential uses of thorium on the site occurred prior to 1974 all of the thorium decay chain would be expected to be in secular equilibrium at this time regardless as to whether the thorium was brought to the site as chemically purified thorium or as ore material. Note that the Tl-208 concentration is less than 1 at secular equilibrium. This is because the branching fraction for the decay to Tl-208 is 36%.

3.2 Uranium-238 Decay Chain

The U-238 decay chain scheme (4n+2 Series) is given in Attachment K-1. Once U-238 is chemically purified it will return to secular equilibrium as shown in the curves of Figure 4-2. This figure shows that the first two progeny of U-238 (Th-234 and Pa-234m) come back into secular equilibrium within approximately 30 days. The curves however are based on the premise that only U-238 is present at time zero. For natural uranium the U-234 activity will be equal to the U-238 activity. However when uranium is enriched to increase the concentration of U-235 the U-234 concentration is also increased. Figure 4-3 shows the in growth of the progeny after the uranium (natural or enriched) is chemically purified. From these curves it is obvious that it takes over 10 thousand years for the progeny after U-234 to return to secular equilibrium. The primary reason for this long time frame is the long half life of Th-230 (77,000 years). The primary radionuclide of concern in this decay chain is Ra-226 with a half life of 1,600 years. Figure 4-4 shows the in growth of the daughters after Ra-226. From this figure it is clear that all of the

progeny after Ra-226 return to secular equilibrium with the Ra-226 within about 30 days after separation.

3.3 Uranium-235 Decay Chain

The U-235 decay chain scheme (4n+3 Series) is given in Attachment K-1. Once U-235 is chemically purified it will return to secular equilibrium as shown in the curves of Figure 4-5. This figure shows that the only the first progeny of U-235 (Th-231) returns to secular equilibrium within a matter of days. All of the following progeny take a long time to grow back in and will not return to secular equilibrium for a matter of tens of thousands of years.

3.4 Distribution of Isotopes in Processed Uranium

The principle feed material to the Hematite facility was processed enriched uranium. Once the uranium is chemically purified and, in the case of enriched uranium, passes though the enrichment processes all of the progeny have been removed. The process of in growth as described above then begins anew. Also as noted previously, the enrichment process results in the increase in the concentrations of U-234 and U-235 relative to the U-238 concentration. Tables 4-1 and 4-2 provide information on the relative concentrations of the uranium isotopes and the progeny for several times after chemical separation. Table 4-1 is for uranium enriched to 3% U-235 and Table 4-2 is for uranium enriched to 90% U-235. In both tables the values are normalized to a relative concentration of 100% for U-234. This isotope was chosen for the normalization base because it is the highest contributor to the radioactivity in enriched uranium. These tables clearly show that only a few of the progeny return to secular equilibrium even up to 1,000 years.

4 Evaluation Tests

4.1 Potential Tests for the Presence of Ore Materials

The information in Section 4 provides a base to review the characterization data to determine if there is any indication that ore material was ever used on the site. The following table summarizes the tests that can be used. The discussion is based on the background concentrations of Th-232, U-238 and U-234 at about 1 pCi/g and the U-235 concentration at about 0.02 pCi/g.

Test #	Concentration Test	If only processed material was present	If ore material was ever present
1	Th-232 = Ac-228 = Pb-212 = Bi-212	All concentrations will be equal	All concentrations will be equal
2	Th-232 = 0.36 Tl-208	The Tl-208 has a branching fraction of 36%	The Tl-208 has a branching fraction of 36%
3	U-238 = Th-234 = Pa-234m	All concentrations	All concentrations

		will be equal	will be equal
4	U-234 > U-238	Enriched uranium will have a higher concentration of U-234	Ore material will have the U-234 equal to the U-238
5	Pb-214 and Bi-214	These will be in equilibrium with the background concentration of about 1 pCi/g even if the U-238 is elevated	These will be elevated above the background concentration of about 1 pCi/g
6	U-235 = Th-231	These concentrations will be equal	These concentrations will be equal
7	Th-230	Concentration will be in equilibrium with the background concentration of about 1 pCi/g even if the U-238 is elevated	This will be elevated above the background concentration of about 1 pCi/g
8	U-235 = Th-227	The Th-227 concentration will be about equal to 0.02 pCi/g even if the U-235 is elevated	The Th-227 concentration will be elevated
9	Ratios of Pb-214 and Bi-214 to Th-234 (U-238)	The ratio will be one for background concentrations of uranium.	It would be expected that the ratio would be greater than one if there was high Ra-226 on the site.

Test #1, 2, 3 and 6 are not useful to distinguish between the two possibilities.

Test #4 – this test is not very useful because all background soil samples will have a U-234 = U-238 result. So it would not be definitive that the uranium was from ore material.

Test #5 – If the concentrations of Pb-214 and Bi-214 are elevated above anticipated background concentrations of about 1 pCi/g it would be indicative of the presence of ore materials at some point.

Test #7 – a limited amount of data is available but this will be better answered by the proposed Th alpha spec data for the suspect samples

Test #8 – This test is potentially useful.

Test #9 – This test is potentially useful.

4.2 Potential Tests for the Presence of Fission Products

Since most fission product radionuclides are not present in nature it is adequate to evaluate their concentration against the detection limit for the measurement protocol. In certain cases where the radioisotopes are present in nature, either due to production in nature (i.e. 7Be), natural occurrence (i.e.40K), or man made activities (i.e. 137Cs from fallout) it is appropriate to consider their concentrations in relation to reported levels in nature.

5 Radiological Results from the Remedial Investigation

During the Remedial Investigation conducted at the Hematite site both surface and subsurface soil samples were collected across the site. In order to investigate the questions discussed in Section 2, all soil sample data was evaluated without regard to location or depth. No effort was made to restrict the samples that were included in the evaluation. The data is presented in graphs for which the specific sample results have been ordered from low to high. Thus the graphs do not provide any information with respect to location or depth of the result. However such information is not necessary for the evaluation since the tests described in Section 5 relate only to the magnitude of either the result or a ratio of results for the sample.

5.1 Important Aspects of Thorium Decay Chain

- This decay chain achieves secular equilibrium in a short time frame of approximately 30 years.
- Ra-228 is the longest lived isotope (T½ = 5.8 years) of all the progeny.
- All of the progeny follow the Ra-228 in-growth pattern (Figure 4.1).

If high concentrations of Ra-228 were present at the site due to the presence of ore materials in the ‘50s and ‘60s, the progeny would now be in secular equilibrium with the Th-232 parent. Thus the use of the isotopes in this decay chain cannot be used as indicators of whether ore material had ever been present at the site.

5.2 Important Aspects of Uranium Decay Chains

- Once chemically purified, uranium will not reestablish secular equilibrium for a long time (>1000 years).
    - Tables 4-1 and 4-2 present calculations based on the approach of LEU and HEU to secular equilibrium after chemical purification.
    - Given the short time since plant startup in the 1950s there would not have been any significant return to secular equilibrium for either the U-238 or U-235 decay chains.
    - These factors can be used to determine if any “ore body” materials have ever been present at the site.
- The first two progeny (Pa-234m and Th-234) after the U-238 parent return to secular equilibrium with U-238 in about 100 days (Figure 4-2).
    - It would be expected to find the first two progeny in equilibrium with U-238 concentrations at the site regardless of whether the U-238 represents

ore material or contamination from site operations using enriched uranium.
    - Due to the long half life of Ra-226 secular equilibrium with chemically purified U-238 will not be reestablished for a long time.
    - All progeny subsequent to Ra-226 will follow the Ra-226 concentration since secular equilibrium for this portion of the decay chain is reestablished within 30 days.
- The first progeny (Th-231) of U-235 reestablishes secular equilibrium within about two days after chemical purification of the uranium. All of the other progeny in the U-235 decay chain will not reestablish secular equilibrium for thousands of years after chemical separation. Thus if any of these later progeny are at concentrations greater than anticipated in the natural background it would be an indication of the presence of ore materials at the site at some time in the past.

As long as the Ra-226 (from the U-238 decay chain) and Ra-223 (from the U-235 decay chain) and their respective progeny are present in concentrations consistent with natural background levels then it is an indication that only processed uranium was used at the site.

5.3 ^{238}U Decay Chain Results

Figure 4-6 provides graphical results for the characterization data for isotopes in the U-238 decay chain. From these it is clear that some of the Pa-234m and Th-234 concentrations are elevated above natural background concentrations. In contrast the concentrations of Pb-214 and Bi-214 are consistent with what would be anticipated with the natural background concentrations. These later two graphs have the shape of what would be expected for a normal distribution associated with radiological results. If any samples were consistent with the presence of ore material it would be those samples at the right hand end of the chart with the highest concentrations. The ten highest results for both the Pb-214 and Bi-214 curves were selected as possible indicator samples.

5.4 ^{232}Th Decay Chain Results

Figure 4-7 provides graphical results for the characterization data for isotopes in the Th-232 decay chain. Only the graphs for the two progeny near the end of the decay chain (Pb-212 and Bi-212) are included. Most of these sample results are consistent with concentrations that would be expected in the natural background, some of the sample results (at the right hand side of the graph, are clearly elevated. Although the Th-232 decay chain would have already returned to secular equilibrium and would not in itself be a conclusive marker for the presence of ore material rather than thorium it was felt that samples high in Th-232 or its progeny might indicate samples that include ore materials if the sample were also high in Ra-226 from the U-238 chain. The ten highest results for both the Pb-212 and Bi-212 curves were selected as possible indicator samples.

5.5 Identification of Suspect Samples

Table 4-3 shows the forty samples identified in Sections 6.3 and 6.4. From this set of forty samples, nine samples were selected for additional radiological analysis. The analytical results for these samples are discussed in the Section 7.

6 Evaluation of Radiological Analysis of Suspect Samples

Sufficient material had been retained by the analytical laboratory to permit the additional analysis for Ra-226 for the nine samples that were selected for additional radiological analysis. For each sample the analysis included gamma spectrometry, uranium alpha spectrometry, thorium alpha spectrometry and Ra-226 analysis. The primary indicator for the presence of ore material would be the difference between the top and bottom progeny in the U-238 decay chain. If there was ore material present it would be expected that the bottom progeny (Ra-226, Pb-212 and Bi-214) would be elevated above the expected background levels. It is clear from the graphs presented in Figure 4-8 that even though some of the samples have high concentrations of uranium, the concentrations of the progeny below Th-230 are consistent with concentrations that would be anticipated in the natural background. The sample numbers in these figures are the same as the numbers given in Table 4-3. It can be concluded that the analytical results for these nine suspect samples does not indicate the presence of ore materials at the Hematite site.

7 Evaluation of Analytical Data for “Fission Products”

All of the characterization samples taken were analyzed by gamma spectrometry which will indicate all gamma emission peaks and attempt to identify the radionuclides present based on the energy of the peaks. This process is subject to some uncertainty because of overlapping energies of peaks and the fact that multiple radionuclides may emit gamma rays within the width of measured peaks. Table 4-4 identifies all of the radioisotopes, other than those associated with transuranics and the uranium and thorium decay chains, reported as part of the characterization results.

The graphs in Figure 4-9 present the analytical data for each of the “fission product” radionuclides identified by gamma spectrometry measurements. For each chart the average minimum detectable level (MDL) is also shown. It is clear that most of the results are less than the MDL and therefore should be considered “non-detects”. In general the graphs take the form of normal distributions around zero. There are some exceptions that warranted further consideration. As an example, the chart for Cd-109 indicates that some specific sample results are greater than the MDL and could therefore considered as detectable activity. However since Cd-109 has a short half-life of 564 days it is unlikely to a result of site operations based on operational knowledge. A request was made of the analytical laboratory to review those samples that seemed to indicate positive results for certain fission product measurements. Appendix L provides the document that was prepared as a result of that review.

Based on the review of all of the characterization data for the "fission product" radionuclides it is apparent that the accumulated information indicates that these radionuclides are not present at the site due to licensed activities. Two radionuclides are present due to their natural occurrence (K-40, Be-7), and one is present due to fallout activity (Cs-137). The recommendation was made to remove all radionuclides from the analytical library for reporting purposes except for the following:

- K-40 and Be-7 as markers of natural radioactivity
- Cs-137 and Co-60 as markers of fission product radionuclides. Although not presently detected, they will continue to be reported. If elevated activities are noted their presence would be investigated.
- All radionuclides associated with the U-238, U-235 and Th-232 decay chain.
- The transuranic radionuclides (Am-241, Np-237, and Pu-239/240.

8 Conclusions

Based on the review conducted the conclusion is reached that based on the characterization data there is no indication that ore materials were ever handled at the Hematite site and therefore the radium isotopes and their progeny are not radioactive constituents of concern. Further there is no evidence that any of the other "fission product" radionuclides were identified to be radioactive constituents of concern. The continued analytical measurements (primarily by gamma spectrometry) of samples that will be taken during decommissioning activities will be sufficient to either validate these conclusions or identify the need to reevaluate the information.

TABLES

Table 4-1: Calculations of radioactivity based on an initial mixture of processed uranium at 3% enrichment.

Time (years)	U-238	Th-234	Pa-234m	U-234	Th-230	Ra-226	Rn-222	Po-218	Pb-214	Bi-214
3	28%	27%	27%	100%	0.003%	0.000002%	0.000002%	0.000002%	0.000002%	0.000002%
51	28%	27%	27%	100%	0.047%	0.00051%	0.00051%	0.00051%	0.00051%	0.00052%
75	28%	27%	27%	100%	0.069%	0.0011%	0.0011%	0.0011%	0.0011%	0.0011%
1,000	28%	27%	27%	100%	0.91%	0.17%	0.17%	0.17%	0.17%	0.17%
25,000	28%	27%	27%	95%	20%	18%	18%	18%	18%	18%
Time (years)	U-235	Th-231	Pa-231	Ac-227	Th-227	Ra-227	Rn-219	Po-215	Pb-211	Bi-211
3	5.5%	5.5%	0.00033%	0.00002%	0.00001%	0.00001%	0.00001%	0.00001%	0.00001%	0.00001%
51	5.5%	5.5%	0.0056%	0.0028%	0.0028%	0.0028%	0.0028%	0.0028%	0.0028%	0.0028%
75	5.5%	5.5%	0.0083%	0.0051%	0.0051%	0.0051%	0.0051%	0.0051%	0.0051%	0.0051%
1,000	5.5%	5.5%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%
25,000	5.5%	5.5%	2.2%	2.2%	2.2%	2.2%	2.2%	2.2%	2.2%	2.2%

Table 4-2: Calculations of radioactivity based on an initial mixture of processed uranium at 90% enrichment.

Time (years)	U-238	Th-234	Pa-234m	U-234	Th-230	Ra-226	Rn-222	Po-218	Pb-214	Bi-214
3	0.056%	0.055%	0.055%	100%	0.0028%	0.000002%	0.000002%	0.000002%	0.000002%	0.000002%
51	0.056%	0.055%	0.055%	100%	0.047%	0.00051%	0.00051%	0.00051%	0.00051%	0.00052%
75	0.056%	0.055%	0.055%	100%	0.069%	0.0011%	0.0011%	0.0011%	0.0011%	0.0011%
1,000	0.056%	0.055%	0.055%	100%	0.91%	0.17%	0.17%	0.17%	0.17%	0.17%
25,000	0.056%	0.055%	0.055%	93%	20%	18%	18%	18%	18%	18%
Time (years)	U-235	Th-231	Pa-231	Ac-227	Th-227	Ra-227	Rn-219	Po-215	Pb-211	Bi-211
3	3.2%	3.2%	0.00020%	0.00001%	0.00001%	0.00001%	0.00001%	0.00001%	0.00001%	0.00001%
51	3.2%	3.2%	0.0033%	0.0017%	0.0017%	0.0017%	0.0017%	0.0017%	0.0017%	0.0017%
75	3.2%	3.2%	0.0049%	0.0030%	0.0030%	0.0030%	0.0030%	0.0030%	0.0030%	0.0030%
1,000	3.2%	3.2%	0.065%	0.063%	0.063%	0.063%	0.063%	0.063%	0.063%	0.063%
25,000	3.2%	3.2%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%

Table 4-3: Suspect Samples Identified for Evaluation of the Presence of Ore Material

Sample Identification	Radioisotope	Concentration (pCi/g)	Sample Number
BD-16-15-SL	BI-212	3.4	
BP-08-00-SL	BI-214	1.28	1
BP-08-00-SL	PB-214	1.59	
BP-08-00-SL	PB-212	41.2	
BP-10-00-SL	PB-214	1.43	
BP-12-00-SL	PB-214	1.44	2
DM-01-00-SL	PB-214	1.38	
DM-01-00-SL	BI-212	37	3
DM-01-00-SL	PB-212	29.7	
DM-03-05-SL-FD	BI-214	1.51	
DP-CA-SS	BI-214	1.59	
EP-01-00-SL	PB-214	1.45	
EP-02-00-SL	BI-212	3.39	
EP-02-00-SL	PB-212	1.69	
EP-04-00-SL	PB-212	3.42	4
EP-04-00-SL-FD	PB-212	5.03	
EP-09-00-SL	BI-214	1.39	
EP-13-03-SL	PB-214	1.36	
EP-14-25-SL	BI-212	3.26	
EP-18-29-SL	BI-214	1.29	
NB-04-00-SL	BI-214	1.71	5
NB-04-00-SL	PB-214	1.97	
NB-04-00-SL	PB-212	1.92	
NB-07-00-SL-FD	PB-214	1.39	
NB-07-00-SL-FD	PB-212	1.67	
NB-08-00-SL	BI-214	1.32	
NB-15-00-SL	PB-214	1.38	
NB-30-05-SL	BI-212	3.3	
NB-36-05-SL	BI-212	3.18	6
NB-36-15-SL	BI-214	1.53	
NB-56-13-SL	BI-214	1.28	
NB-67-05-SL	BI-212	3.16	
NB-83-05-SL	BI-212	3.16	7
PL-03-00-SL	PB-214	1.36	
PL-04-13-SL	BI-212	4.1	8
RR-01-00-SL	PB-212	2.27	
SW-02-00-SL	BI-214	1.32	
SW-02-00-SL	PB-212	2.14	
SW-02-01-SL	BI-212	4.4	9
SW-02-01-SL	PB-212	2.33	9

Note: Shaded rows indicate those samples selected for further analysis.

Table 4-4: Radionuclides Identified by Gamma Spectrometry

Radioisotope	Potential Source	Half Life
Ag-110m	Unknown, not a FP	$T_{1/2}$ =250 days
Al-26	Unknown, not a FP	$T_{1/2}$ =710,000 years
Be-7	Cosmogenic radionuclide	$T_{1/2}$ =53 days
Cd-109	Unknown, not a FP	$T_{1/2}$ =564 days
Ce-139	Unknown, not a FP	$T_{1/2}$ =138 days
Ce-144	FP	$T_{1/2}$ =284 days
Co-56	Unknown, not a FP	$T_{1/2}$ =78.7 days
Co-57	Unknown, not a FP	$T_{1/2}$ =271 days
Co-58	Unknown, not a FP	$T_{1/2}$ =70.8 days
Co-60	Unknown, not a FP	$T_{1/2}$ =5.27 years
Cr-51	Unknown, not a FP	$T_{1/2}$ =27.7 days
Cs-134	FP	$T_{1/2}$ =2.06 years
Cs-137	FP, also present in environment from weapons fallout	$T_{1/2}$ =30.1 years
Eu-152	Unknown, not a FP	$T_{1/2}$ =13.6years
Eu-154	FP	$T_{1/2}$ =8.8years
Eu-155	FP	$T_{1/2}$ =4.96years
Fe-55	Not a FP, is produced in reactors from neutron activation	$T_{1/2}$ =2.7years
I-131	FP	$T_{1/2}$ =8days
Mn-54	Not a FP, is produced in reactors from neutron activation	$T_{1/2}$ =312.7 days
Na-22	Unknown, not a FP	$T_{1/2}$ =2.6 years
Nb-94	Unknown, not a FP	$T_{1/2}$ =20,3000 years
Nb-95	FP	$T_{1/2}$ =35 days
Ru-106	FP	$T_{1/2}$ =368 days
Sb-124	FP	$T_{1/2}$ =60.2 days
Sb-125	FP	$T_{1/2}$ =2.77 years
Sc-46	Unknown, not a FP	$T_{1/2}$ =83.8 days
Zn-65	Unknown, not a FP	$T_{1/2}$ =244 days

Note : FP = fission product

FIGURES

Figure 4-1

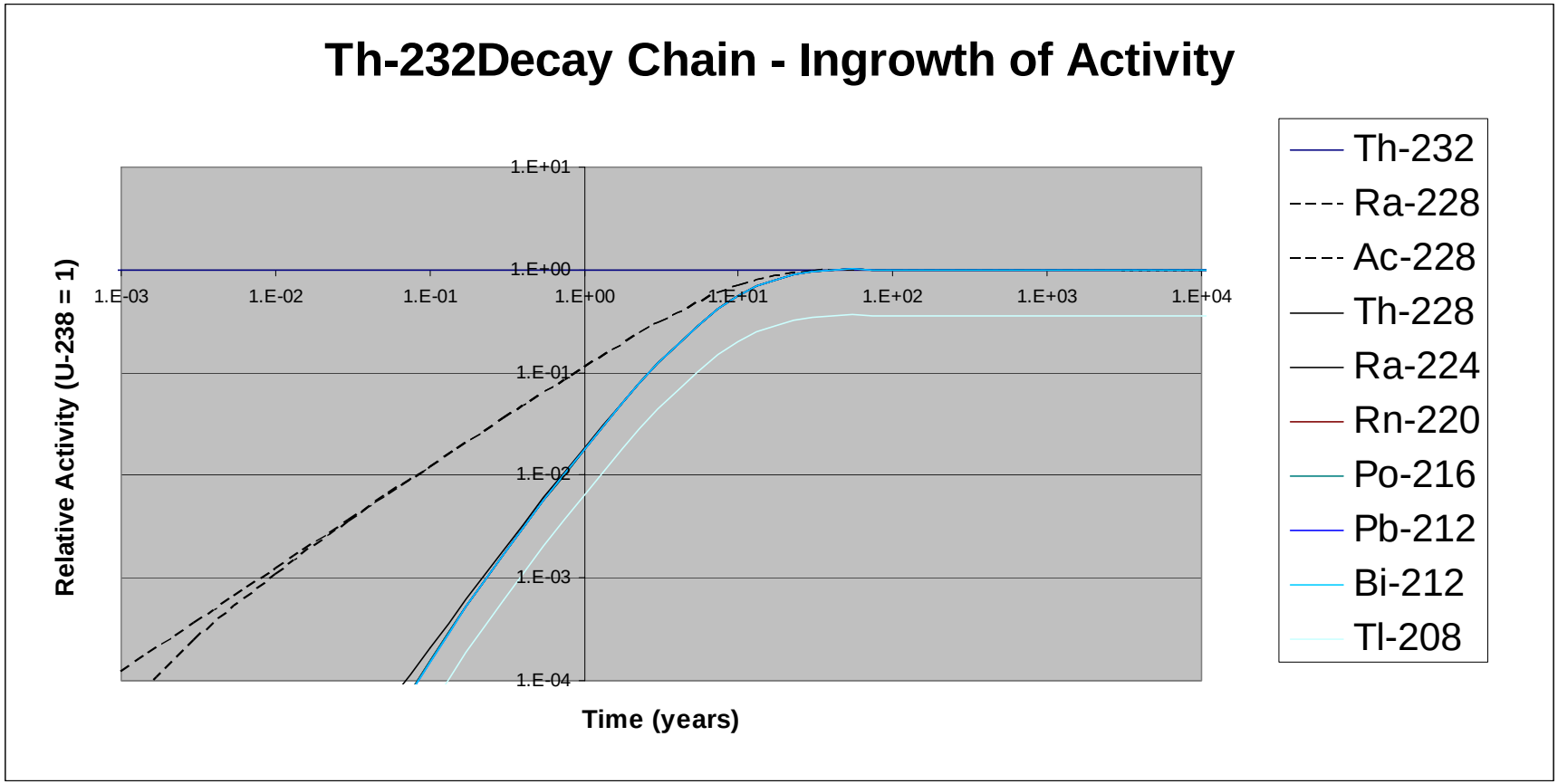

Th-232Decay Chain - Ingrowth of Activity
Relative Activity (U-238 = 1)
1.E+01
1.E+00
1.E-01
1.E-02
1.E-03
1.E-04
1.E-03
1.E-02
1.E-01
1.E+00
1.E+01
1.E+02
1.E+03
1.E+04
Time (years)
Th-232
Ra-228
Ac-228
Th-228
Ra-224
Rn-220
Po-216
Pb-212
Bi-212
Tl-208

Figure 4-2

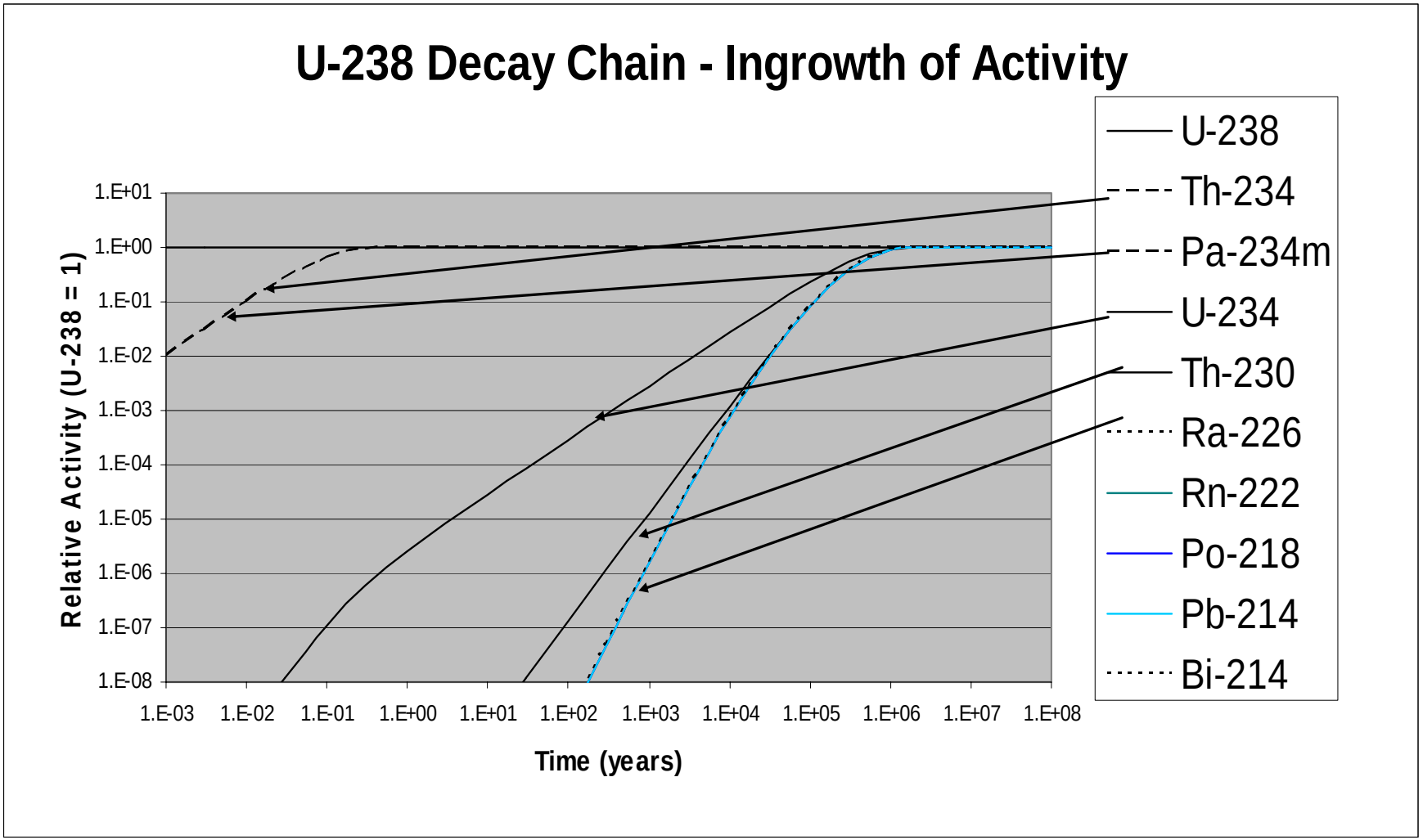

U-238 Decay Chain - Ingrowth of Activity
Relative Activity (U-238 = 1)
1.E+01
1.E+00
1.E-01
1.E-02
1.E-03
1.E-04
1.E-05
1.E-06
1.E-07
1.E-08
1.E-03
1.E-02
1.E-01
1.E+00
1.E+01
1.E+02
1.E+03
1.E+04
1.E+05
1.E+06
1.E+07
1.E+08
Time (years)
U-238
Th-234
Pa-234m
U-234
Th-230
Ra-226
Rn-222
Po-218
Pb-214
Bi-214

Figure 4-3

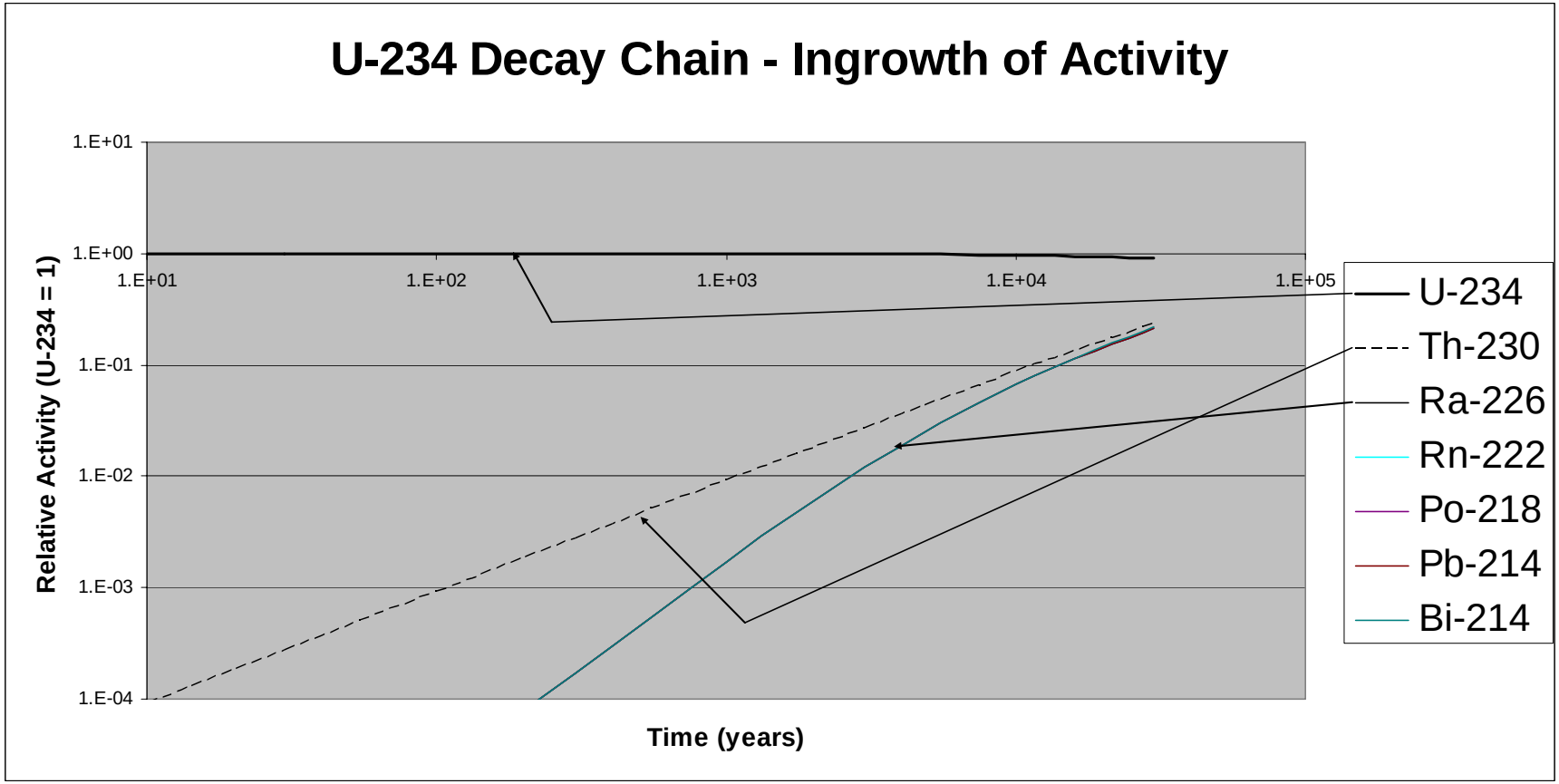

U-234 Decay Chain - Ingrowth of Activity
Relative Activity (U-234 = 1)
1.E+01
1.E+00
1.E-01
1.E-02
1.E-03
1.E-04
1.E+01
1.E+02
1.E+03
1.E+04
1.E+05
Time (years)
U-234
Th-230
Ra-226
Rn-222
Po-218
Pb-214
Bi-214

Figure 4-4

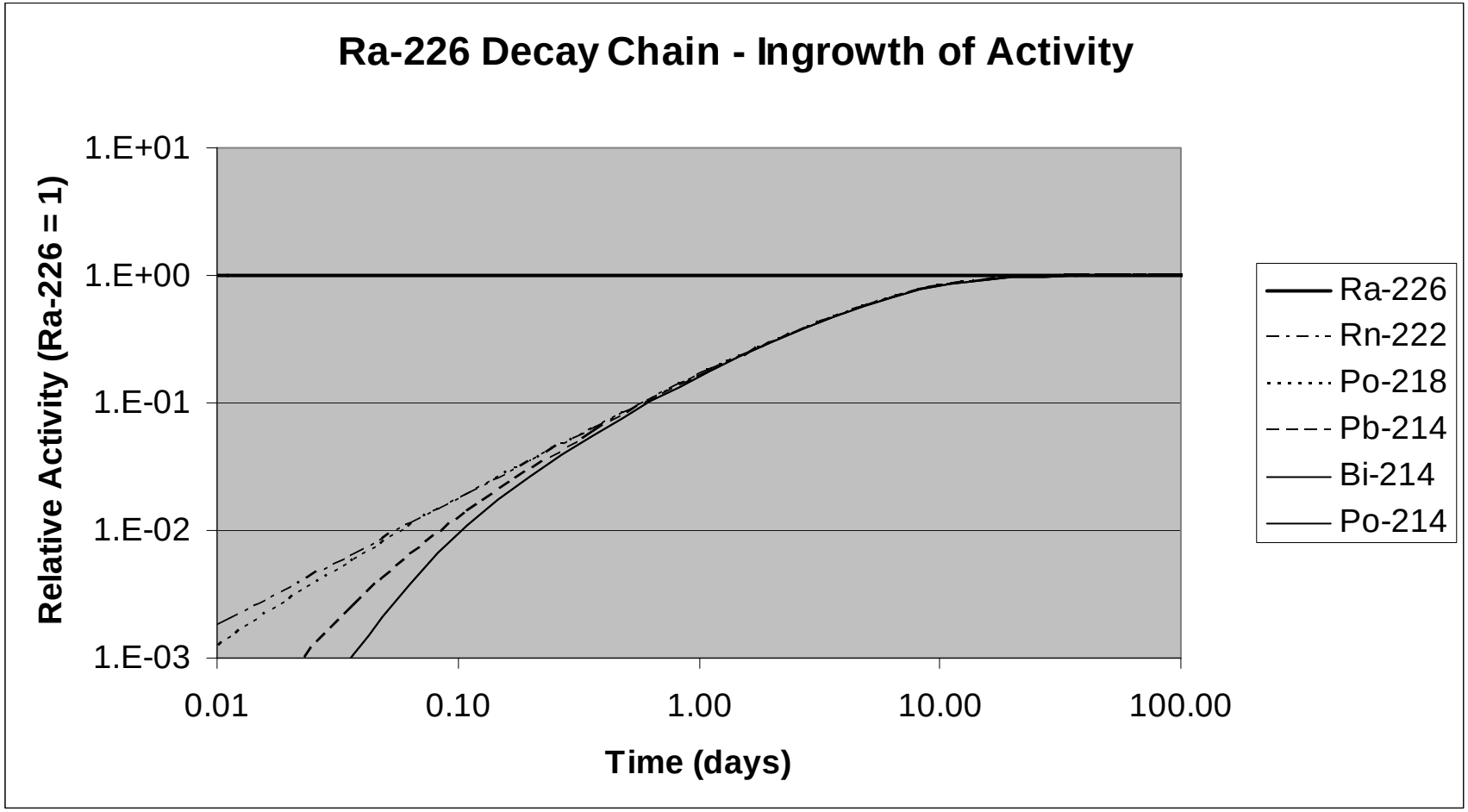

Ra-226 Decay Chain - Ingrowth of Activity
Relative Activity (Ra-226 = 1)
1.E+01
1.E+00
1.E-01
1.E-02
1.E-03
0.01
0.10
1.00
10.00
100.00
Time (days)
Ra-226
Rn-222
Po-218
Pb-214
Bi-214
Po-214

Figure 4-5

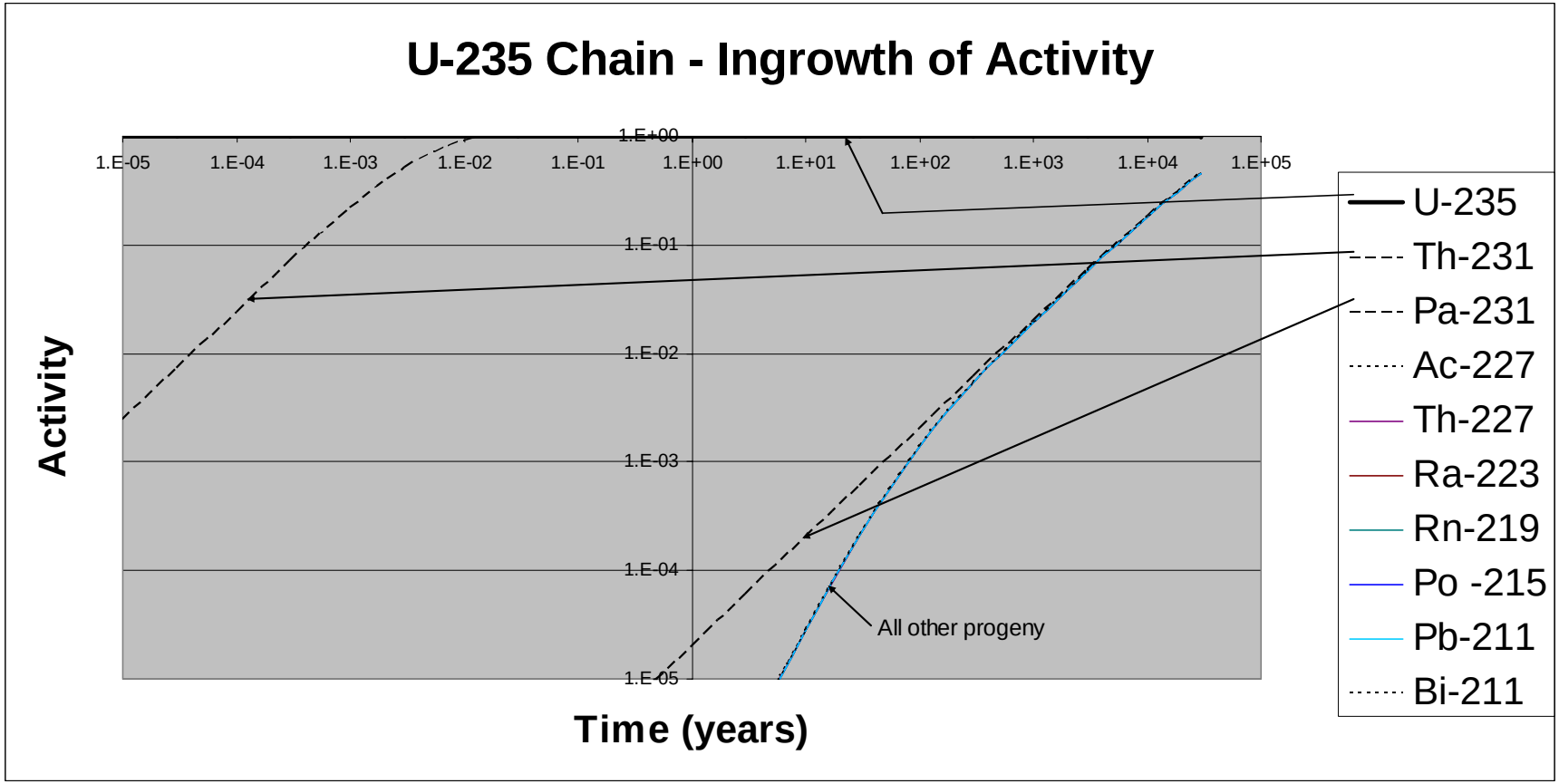

U-235 Chain - Ingrowth of Activity
Activity
Time (years)
1.E+00
1.E-01
1.E-02
1.E-03
1.E-04
1.E-05
1.E-05
1.E-04
1.E-03
1.E-02
1.E-01
1.E+00
1.E+01
1.E+02
1.E+03
1.E+04
1.E+05
All other progeny
U-235
Th-231
Pa-231
Ac-227
Th-227
Ra-223
Rn-219
Po -215
Pb-211
Bi-211

Figure 4-6 Gamma Spectrometry Results for the U-238 Decay Chain

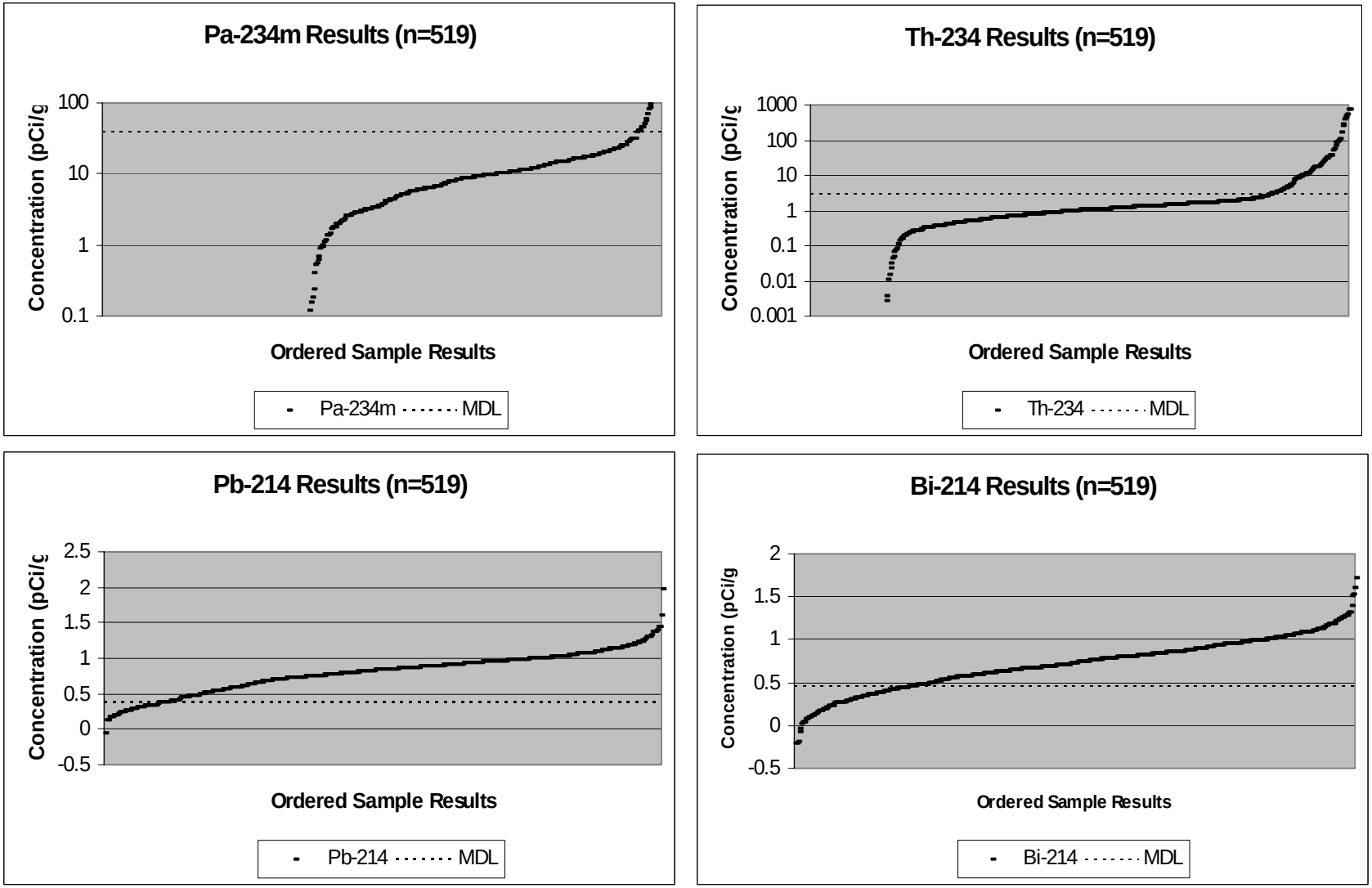
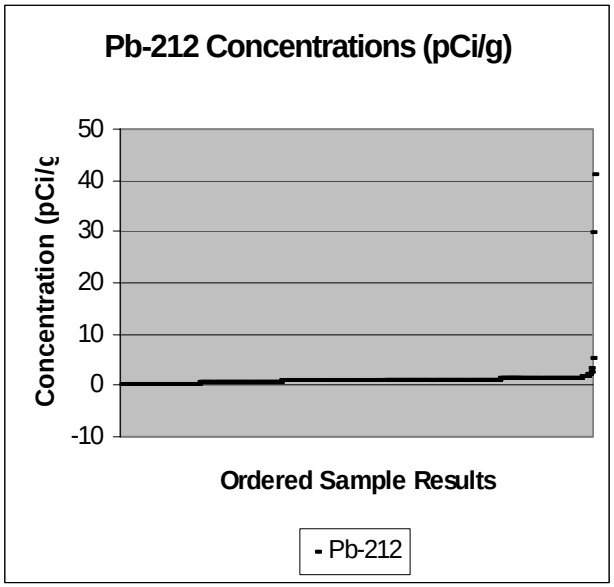


Figure 4-7 Results for the Th-232 Decay Chain



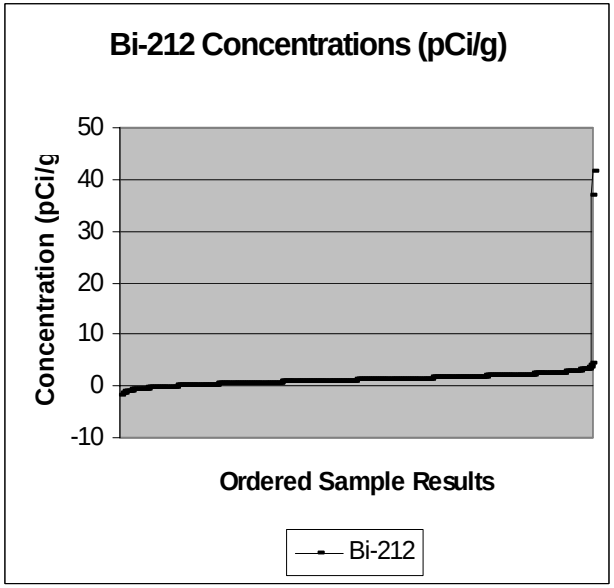
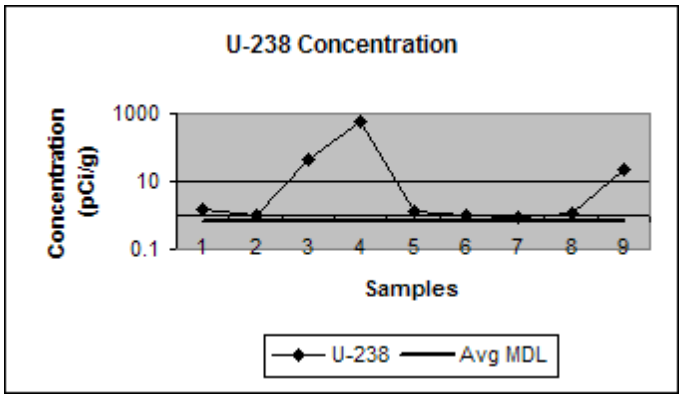
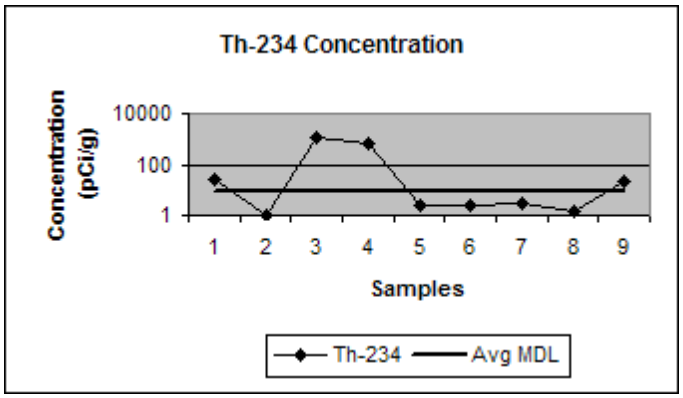
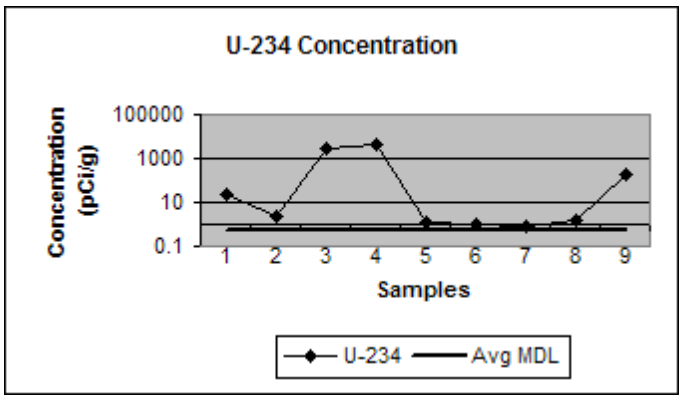
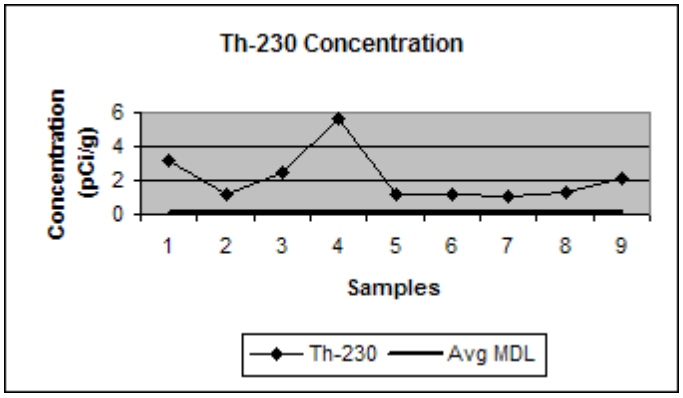


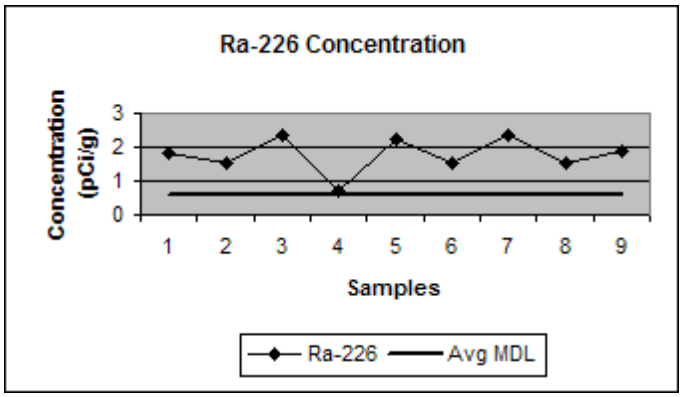
Figure 4-8 Analytical Results for Nine Suspect Samples (U-238 Decay Chain)

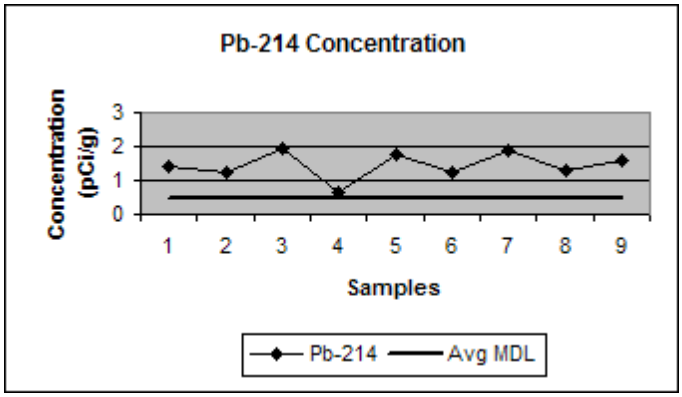









Ra-226 Concentration
Concentration (pCi/g)
3
2
1
0
1 2 3 4 5 6 7 8 9
Samples
Ra-226
Avg MDL


Pb-214 Concentration
Concentration (pCi/g)
3
2
1
0
1 2 3 4 5 6 7 8 9
Samples
Pb-214
Avg MDL

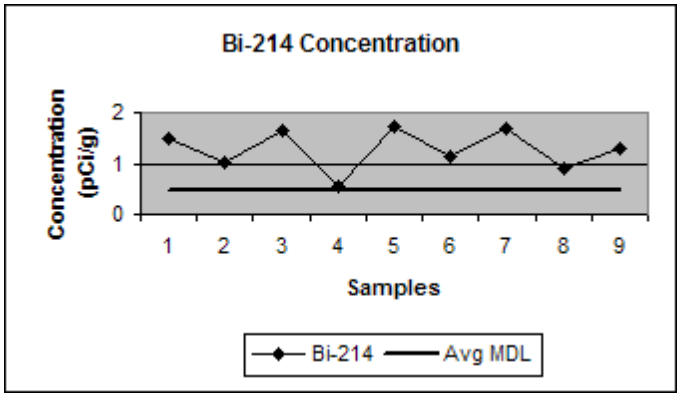
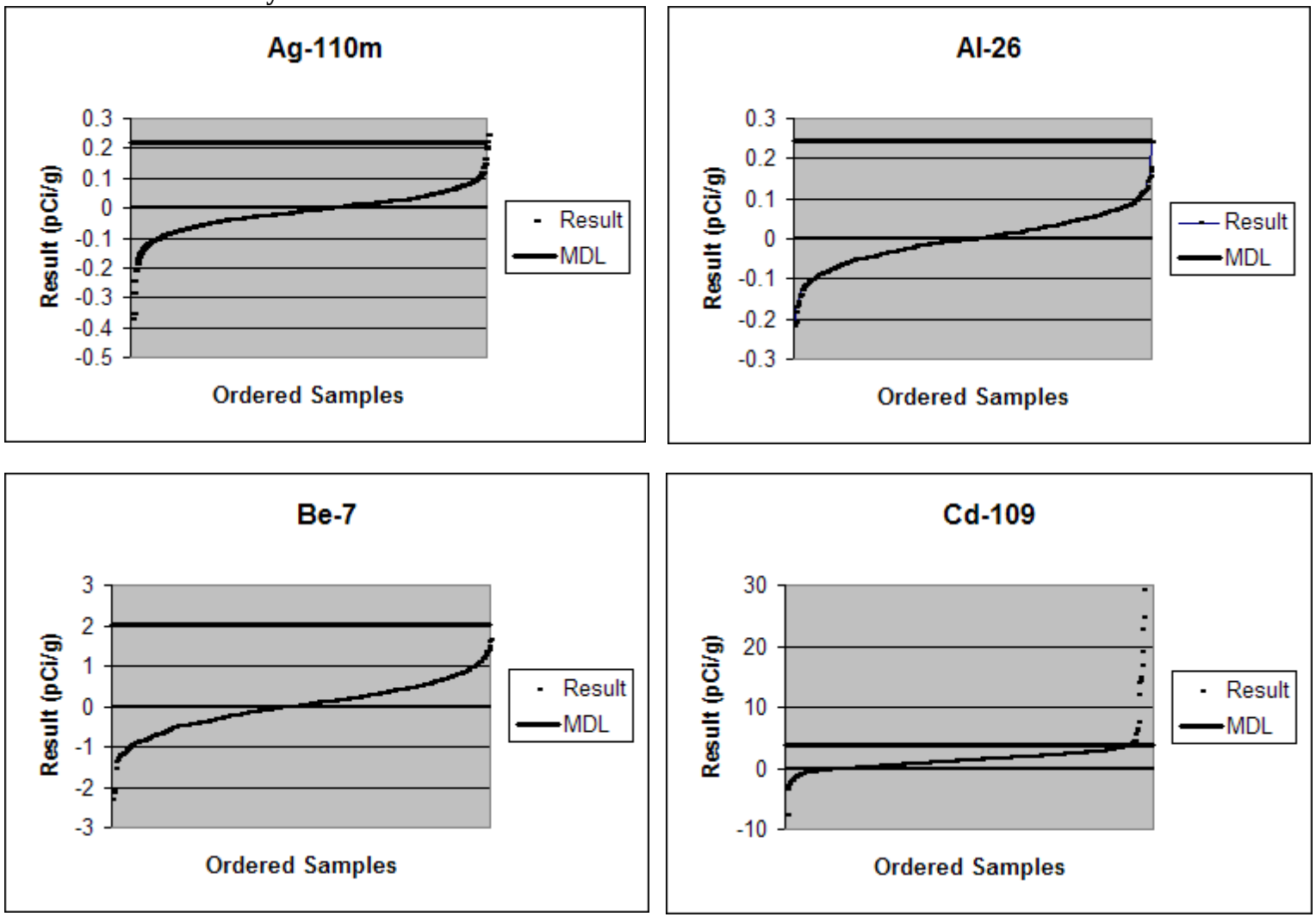
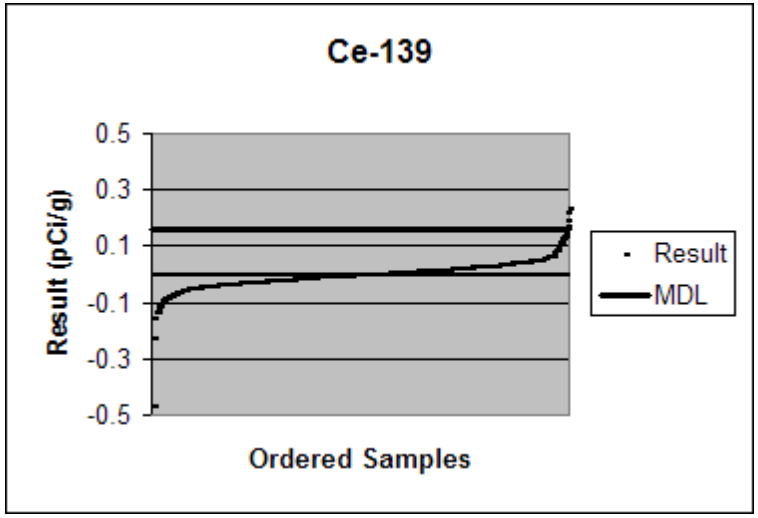
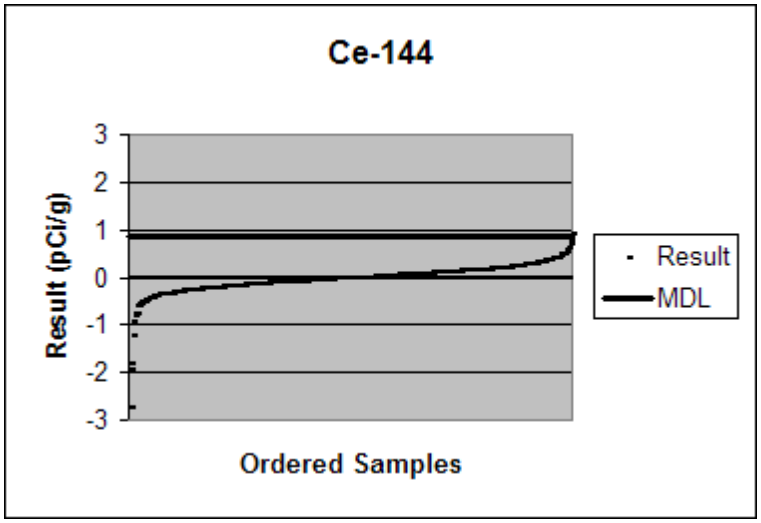
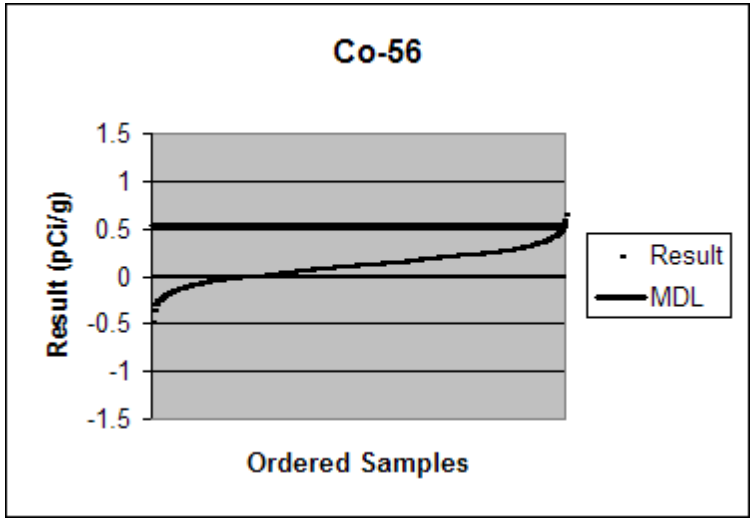

Bi-214 Concentration
Concentration (pCi/g)
2
1
0
1 2 3 4 5 6 7 8 9
Samples
Bi-214
Avg MDL

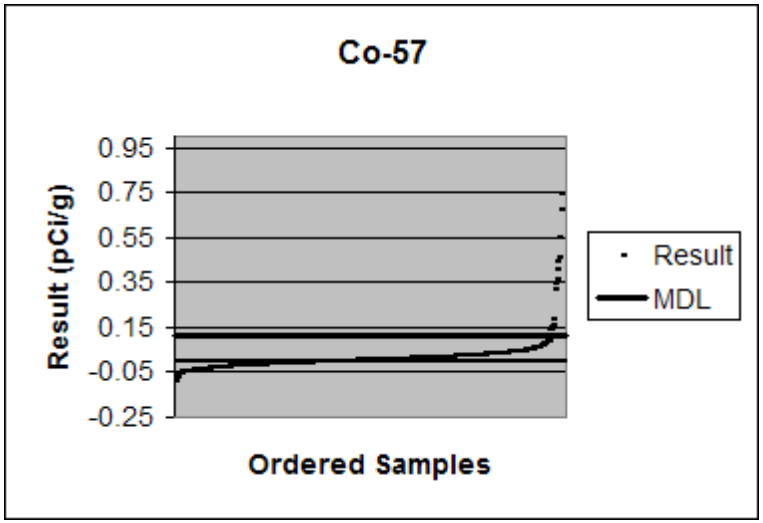
Figure 4-9: Fission Product Analytical Results for Characterization Data

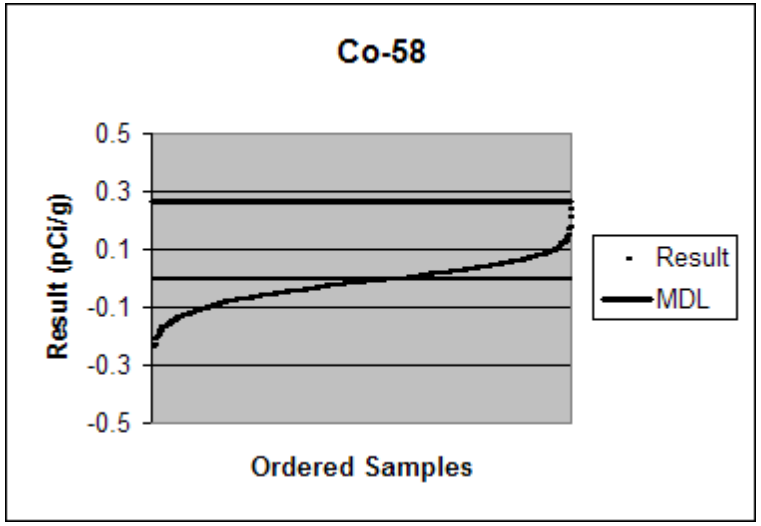


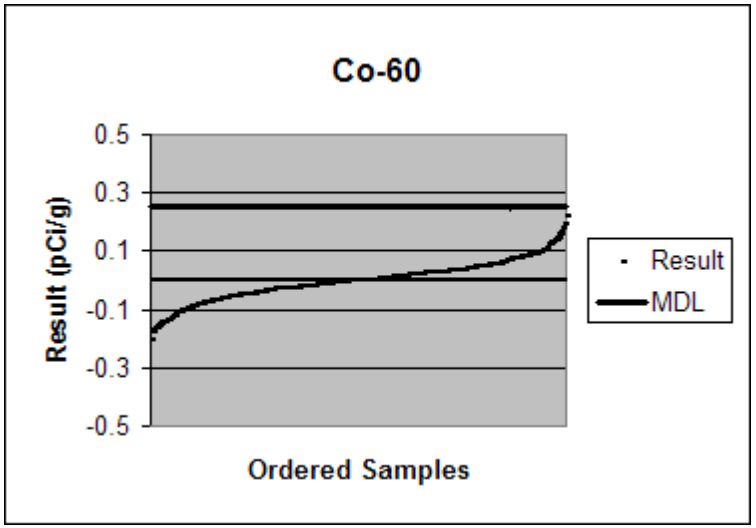

Ce-139
0.5
0.3
0.1
-0.1
-0.3
-0.5
Result (pCi/g)
Ordered Samples
Result
MDL

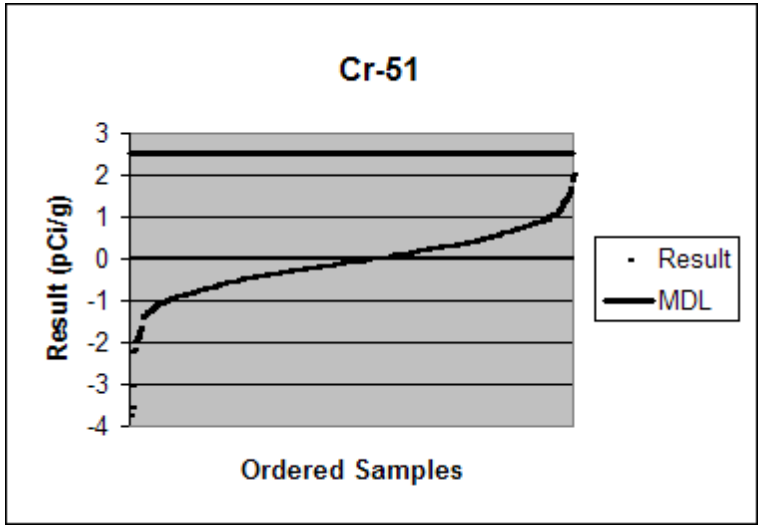

Ce-144
3
2
1
0
-1
-2
-3
Result (pCi/g)
Ordered Samples
Result
MDL

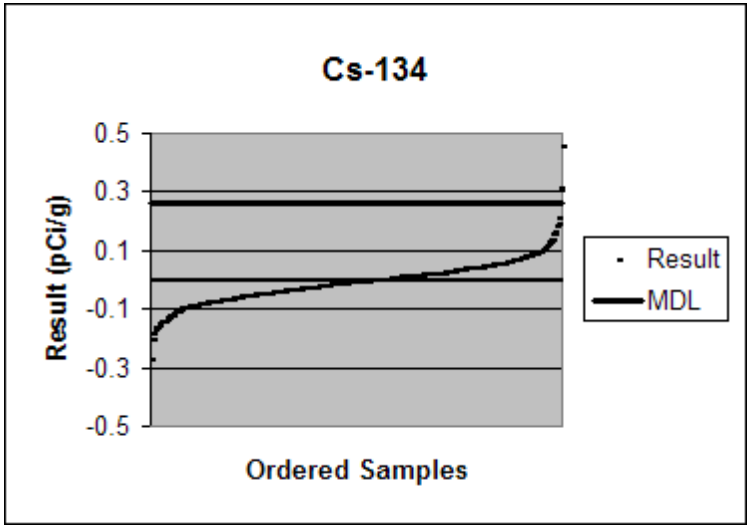

Co-56
1.5
1
0.5
0
-0.5
-1
-1.5
Result (pCi/g)
Ordered Samples
Result
MDL

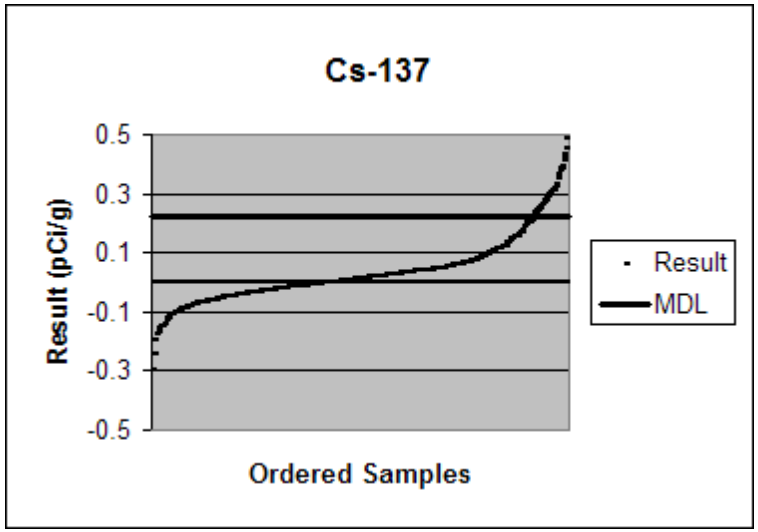

Co-57
0.95
0.75
0.55
0.35
0.15
-0.05
-0.25
Result (pCi/g)
Ordered Samples
Result
MDL

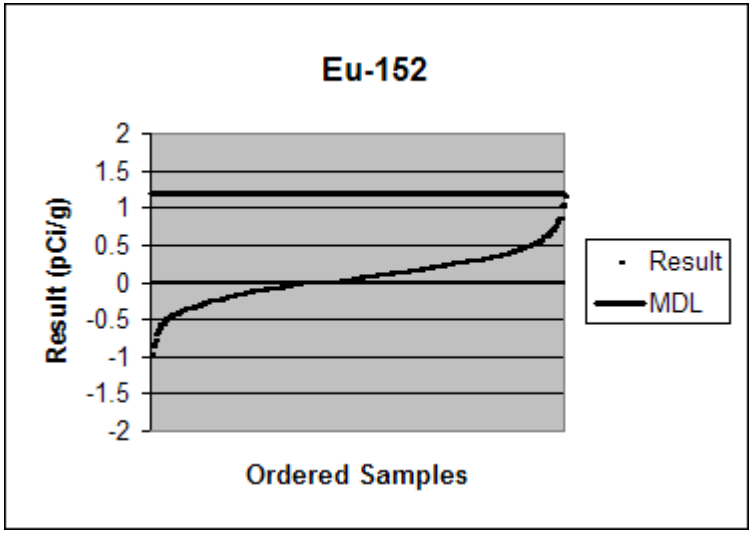

Co-58
0.5
0.3
0.1
-0.1
-0.3
-0.5
Result (pCi/g)
Ordered Samples
Result
MDL

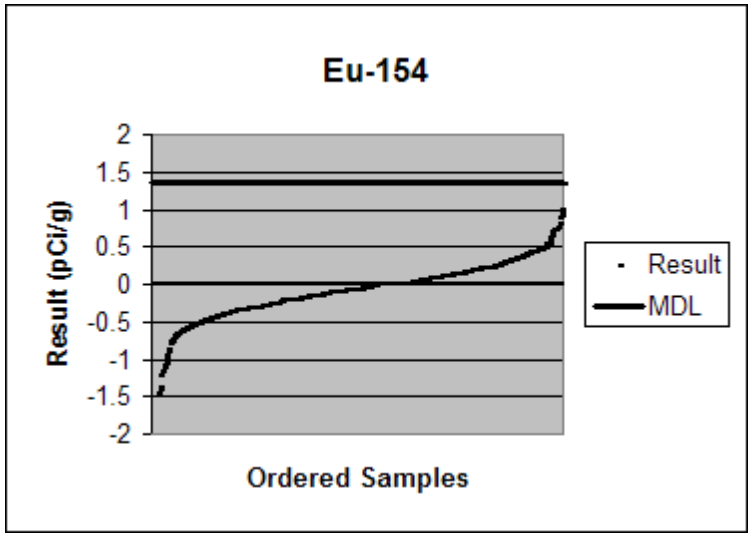

Co-60
0.5
0.3
0.1
-0.1
-0.3
-0.5
Result (pCi/g)
Ordered Samples
Result
MDL

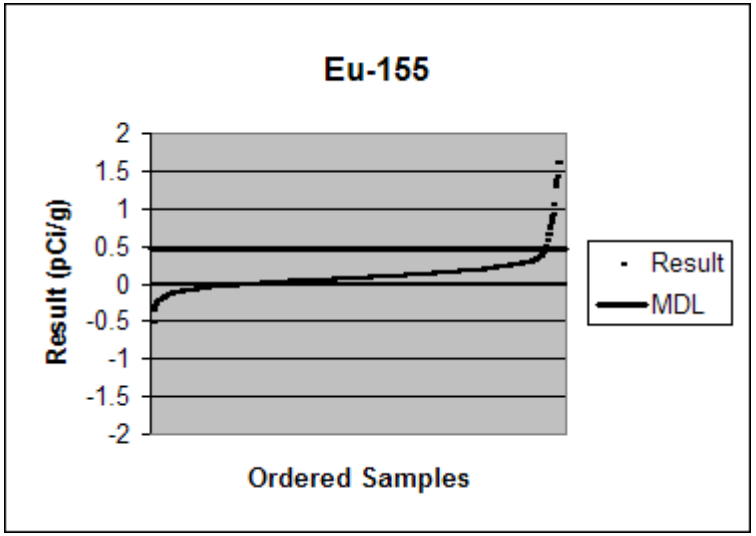

Cr-51
3
2
1
0
-1
-2
-3
-4
Result (pCi/g)
Ordered Samples
Result
MDL

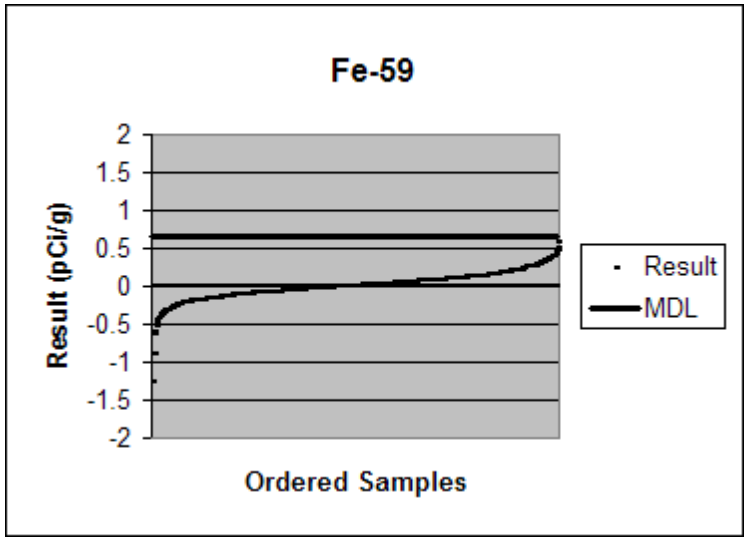

Cs-134
0.5
0.3
0.1
-0.1
-0.3
-0.5
Result (pCi/g)
Ordered Samples
Result
MDL

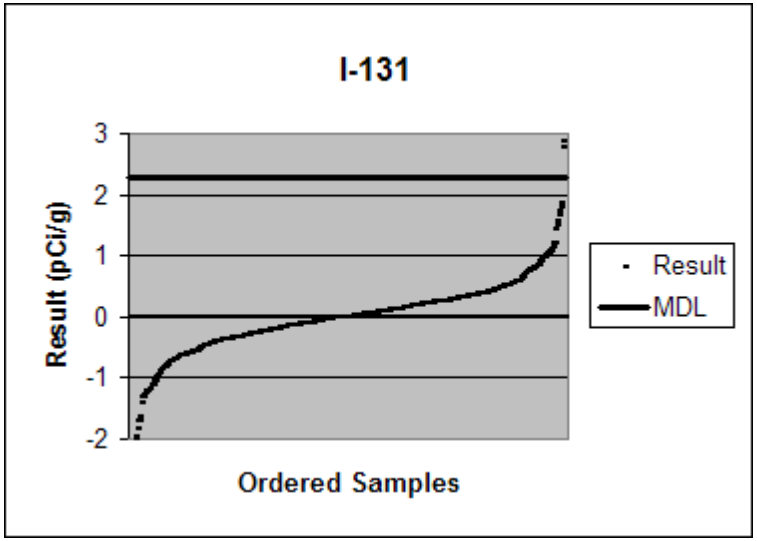

Cs-137
0.5
0.3
0.1
-0.1
-0.3
-0.5
Result (pCi/g)
Ordered Samples
Result
MDL

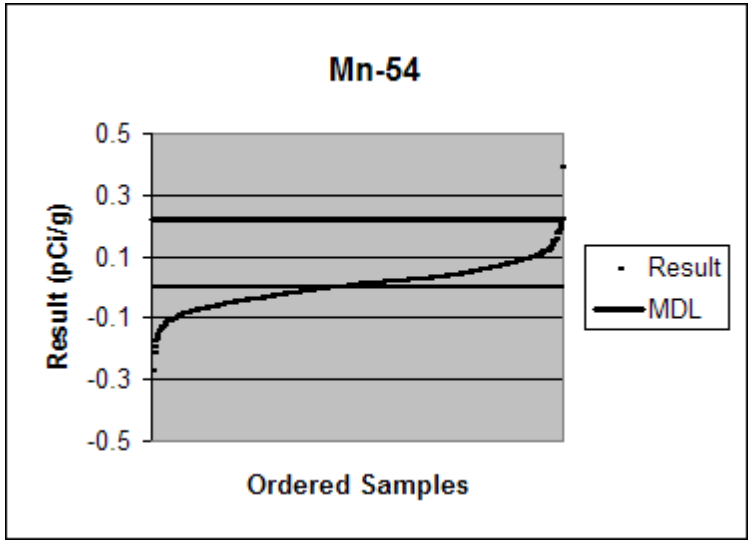

Eu-152
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
Result (pCi/g)
Ordered Samples
Result
MDL

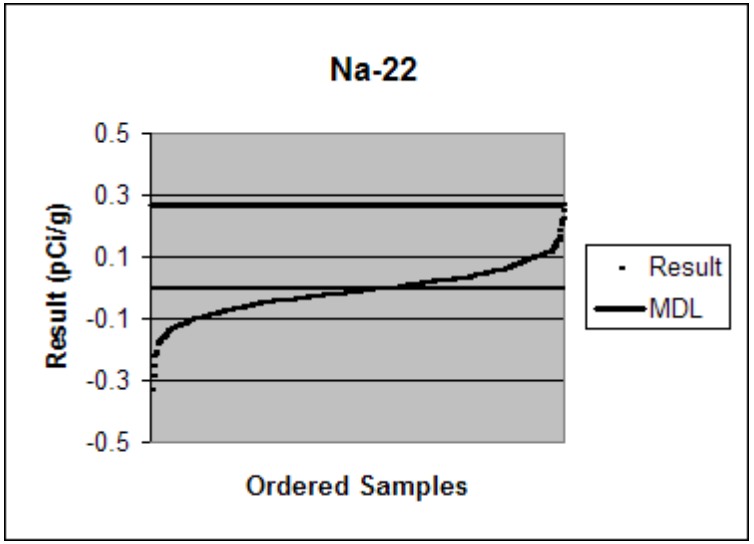

Eu-154
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
Result (pCi/g)
Ordered Samples
Result
MDL

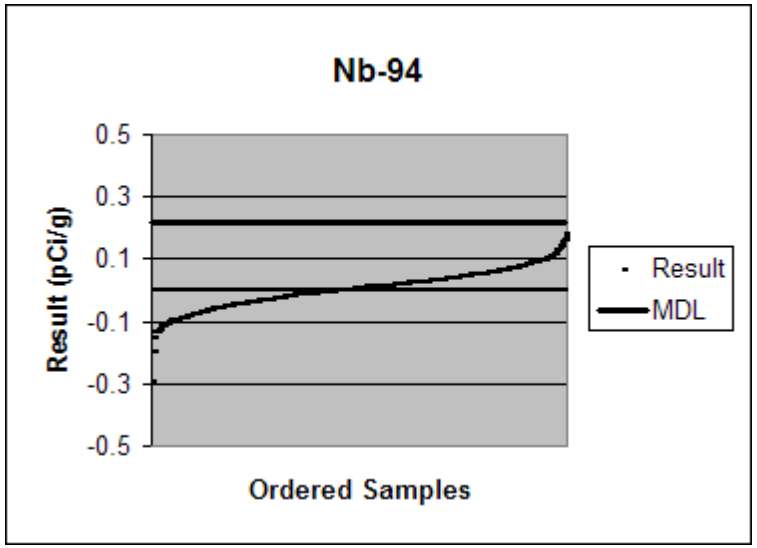

Eu-155
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
Result (pCi/g)
Ordered Samples
Result
MDL

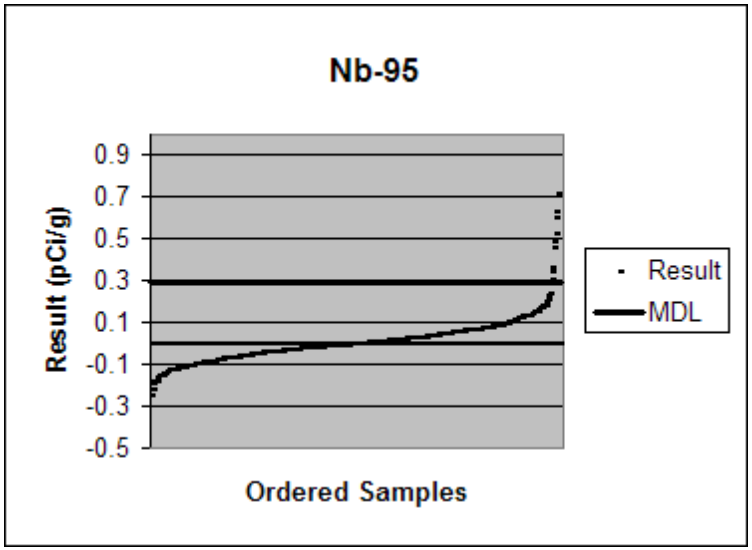

Fe-59
Result (pCi/g)
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
Ordered Samples
Result
MDL

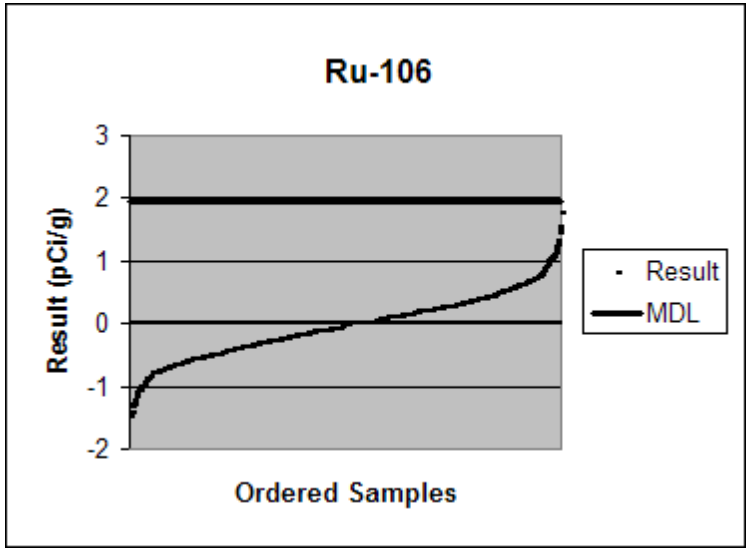

I-131
Result (pCi/g)
3
2
1
0
-1
-2
Ordered Samples
Result
MDL

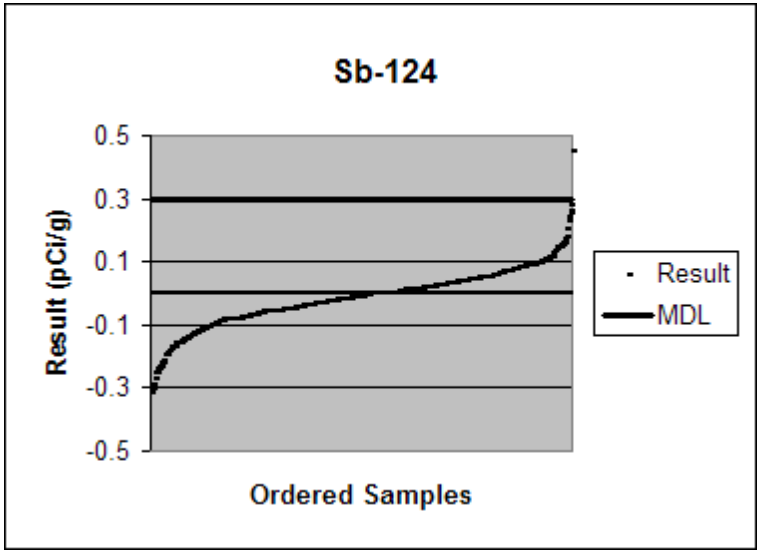

Mn-54
Result (pCi/g)
0.5
0.3
0.1
-0.1
-0.3
-0.5
Ordered Samples
Result
MDL

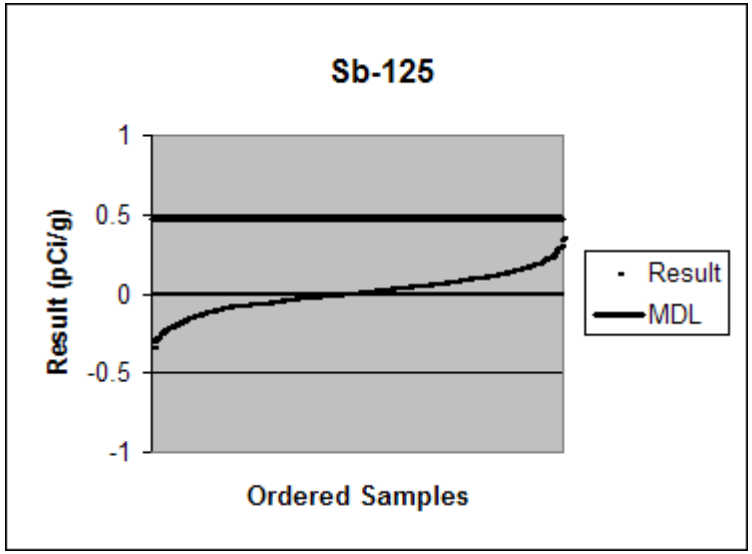

Na-22
Result (pCi/g)
0.5
0.3
0.1
-0.1
-0.3
-0.5
Ordered Samples
Result
MDL

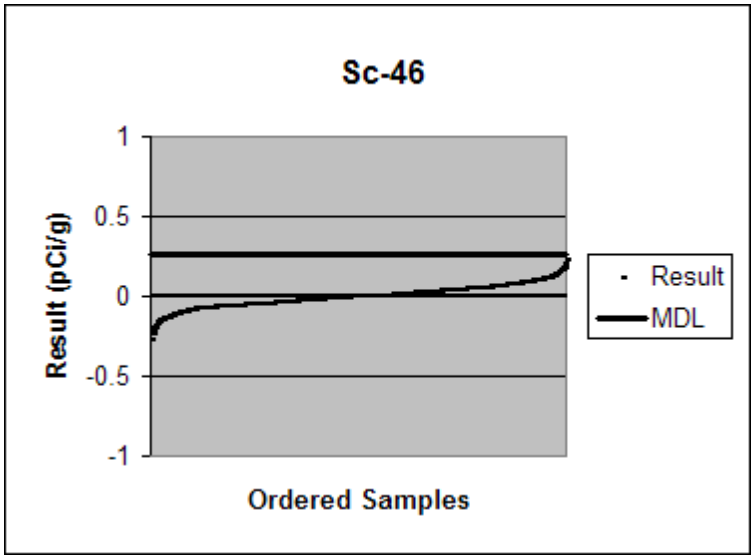

Nb-94
0.5
0.3
0.1
-0.1
-0.3
-0.5
Result (pCi/g)
Ordered Samples
Result
MDL

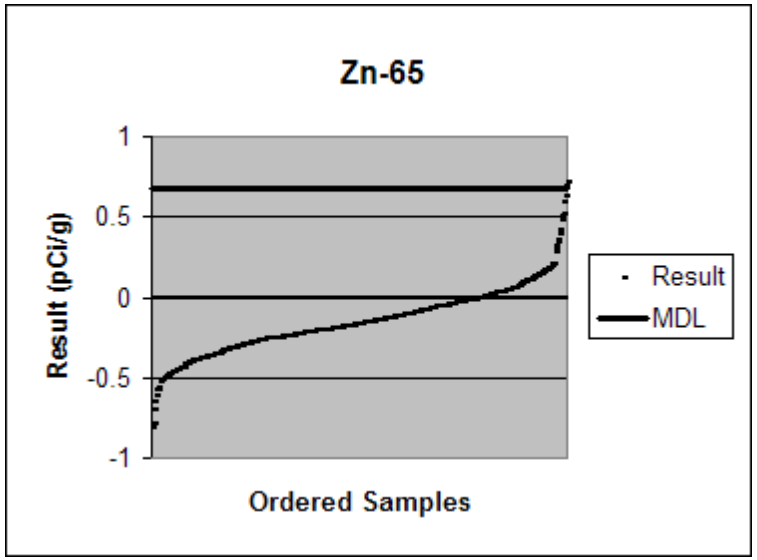

Nb-95
0.9
0.7
0.5
0.3
0.1
-0.1
-0.3
-0.5
Result (pCi/g)
Ordered Samples
Result
MDL


Ru-106
3
2
1
0
-1
-2
Result (pCi/g)
Ordered Samples
Result
MDL


Sb-124
0.5
0.3
0.1
-0.1
-0.3
-0.5
Result (pCi/g)
Ordered Samples
Result
MDL


Sb-125
1
0.5
0
-0.5
-1
Result (pCi/g)
Ordered Samples
Result
MDL

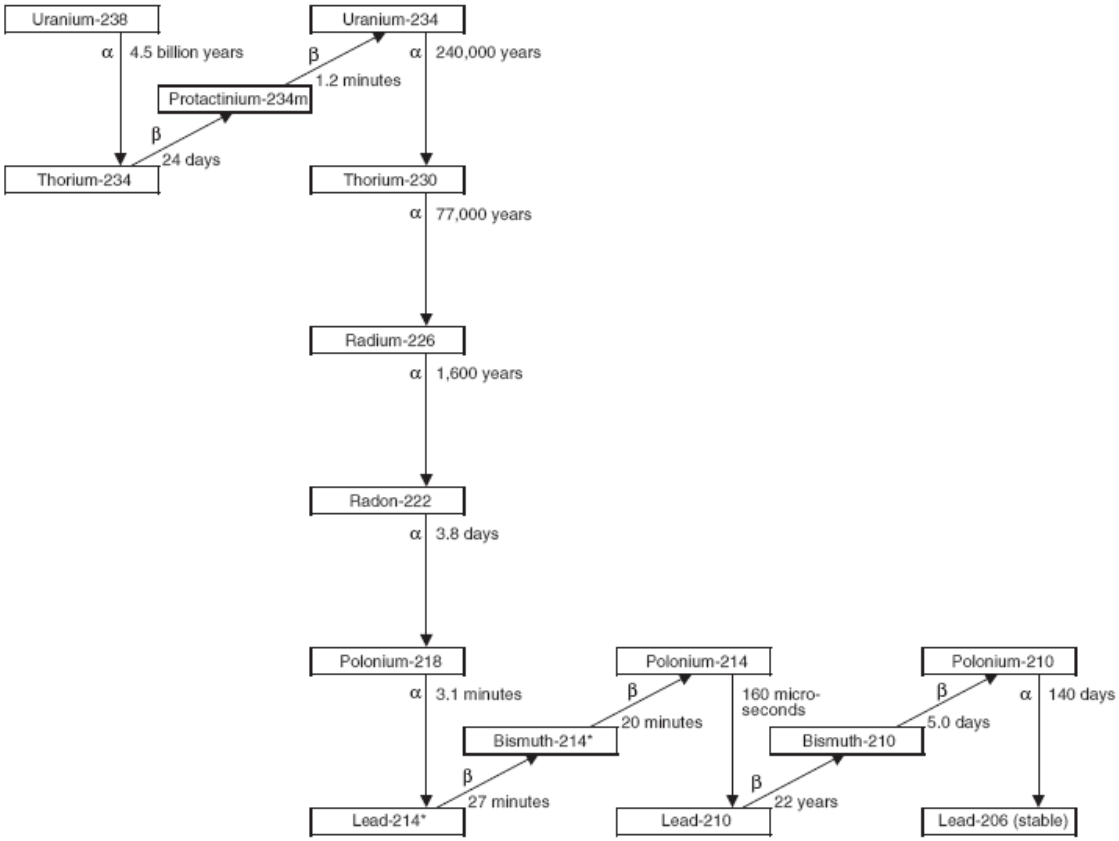

Sc-46
1
0.5
0
-0.5
-1
Result (pCi/g)
Ordered Samples
Result
MDL


Zn-65
1
0.5
0
-0.5
-1
Result (pCi/g)
Ordered Samples
Result
MDL

ATTACHMENT K-1

Radioactive Decay Chain Series

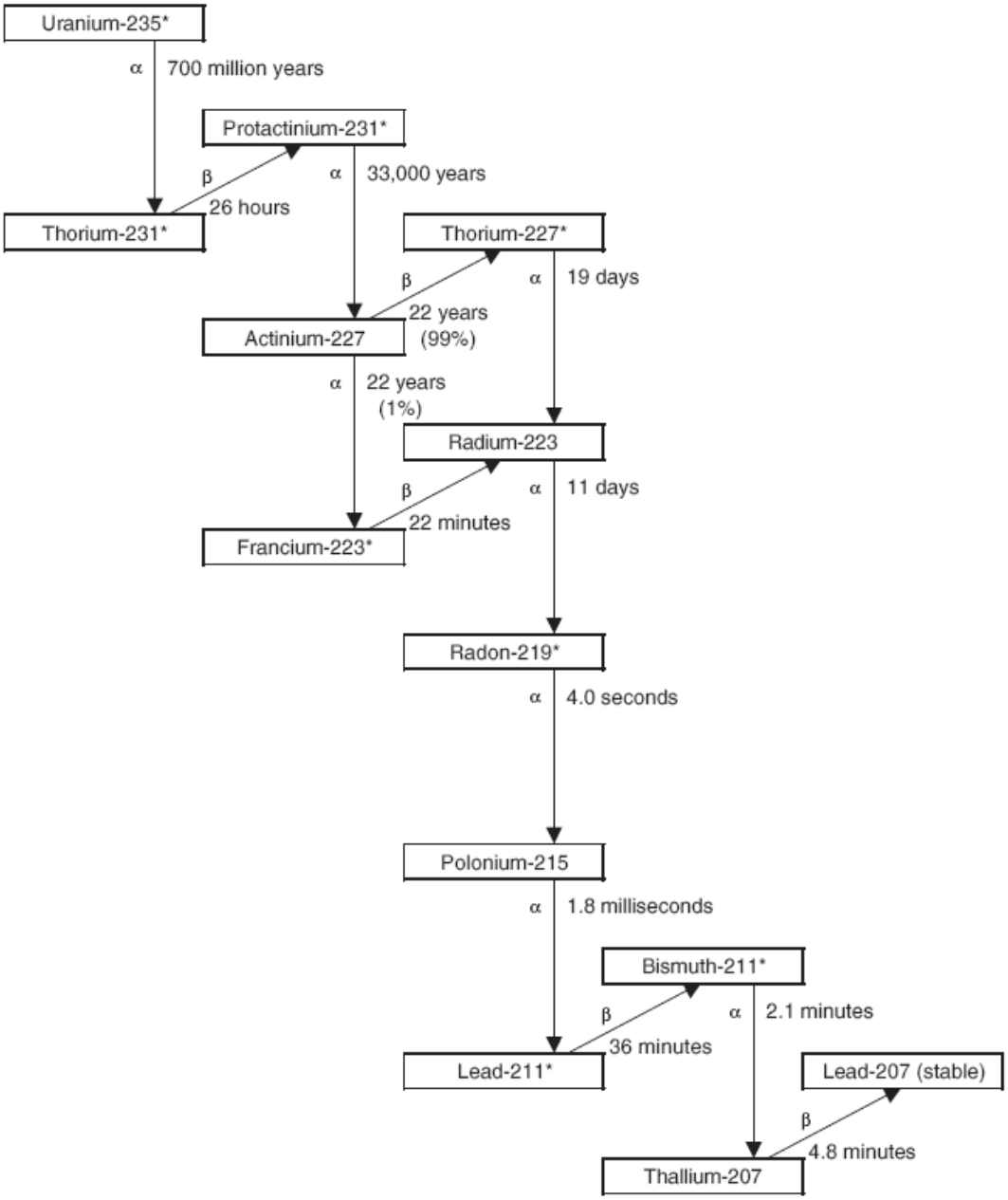
Uranium-238 Decay Chain Series (4n+2 Series)



NOTES: The symbols α and β indicate alpha and beta decay, and the times shown are half-lives. An asterisk indicates that the isotope is also a significant gamma emitter.

SOURCE: Argonne National Laboratories, http://www.oversight.state.id.us/ov_library/Contaminant_Fact_Sheets/Decay Series_FactSheet_ANL.pdf

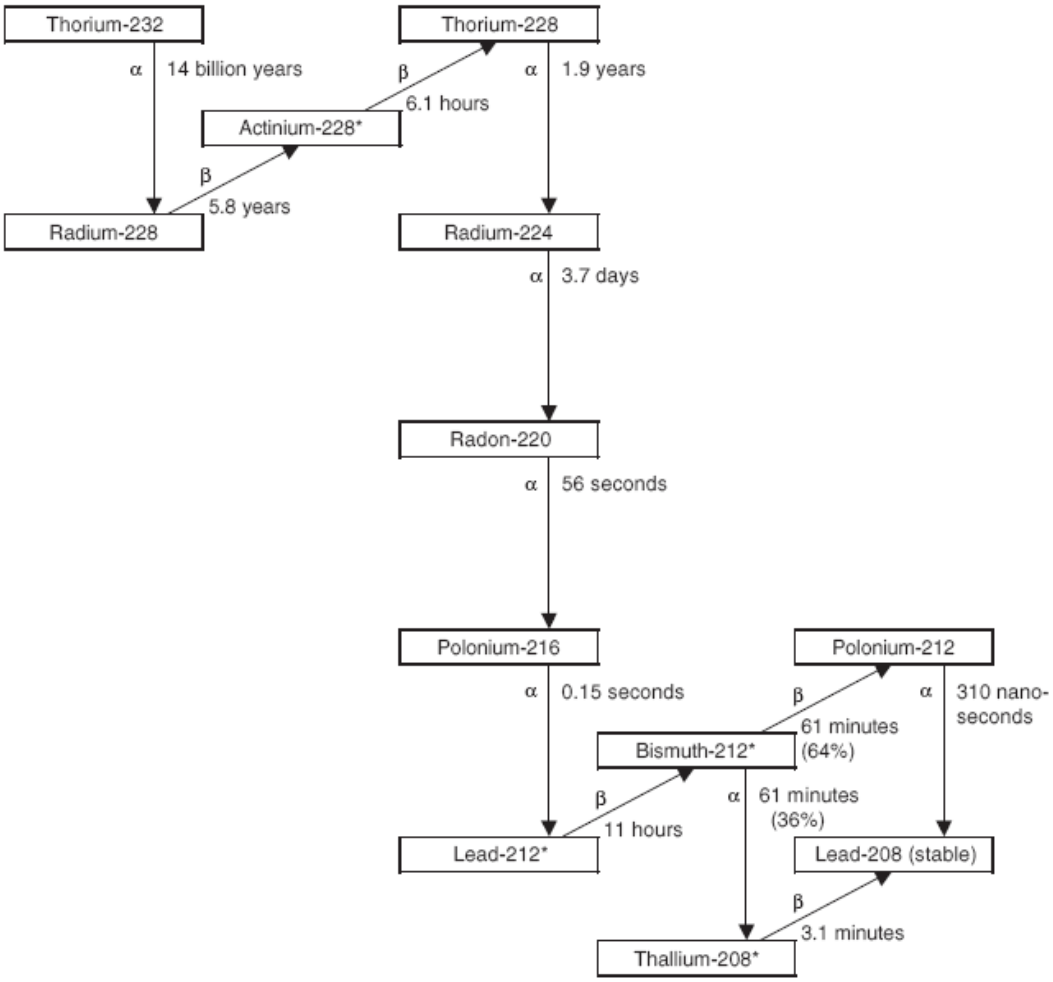
Uranium-235 Decay Chain Series (4n+3 Series)



NOTES: The symbols α and β indicate alpha and beta decay, and the times shown are half-lives. An asterisk indicates that the isotope is also a significant gamma emitter.

SOURCE: Argonne National Laboratories, http://www.oversight.state.id.us/ov_library/Contaminant_Fact_Sheets/Decay Series_FactSheet_ANL.pdf

Thorium-232 Decay Chain Series (4n series)



NOTES: The symbols α and β indicate alpha and beta decay, and the times shown are half-lives. An asterisk indicates that the isotope is also a significant gamma emitter.

SOURCE: Argonne National Laboratories, http://www.oversight.state.id.us/ov_library/Contaminant_Fact_Sheets/Decay Series_FactSheet_ANL.pdf

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APPENDIX L
GAMMA LIBRARY

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Science Applications International Corporation
An Employee-Owned Company

Date: 4/21/2005

To: Steve Passig, CHP

Cc: Martin Swanson, RI Field Manager

From: Steven Howard, SAIC Analytical Laboratory Manager

RE: Gamma Spectroscopy Library and RCOPC Assessment
Westinghouse/Hematite Remedial Investigation

Purpose:

The initial Westinghouse Hematite site characterization and background soil results contain data for several radionuclides that have no basis for being present at the facility, and have half-lives that rule out current existence. Provided below is an evaluation of these gamma spectroscopy results, primarily addressing false positive (Type-I error) results due to spectral interferences and the standard system report template. The objectives of this document are to provide technical justification for removing these radionuclides from future consideration as Radiological Constituents of Potential Concern (RCOPC) and to provide recommendations for a revised gamma library.

Basis of Review:

Characterization samples were submitted to Paragon Analytics for analysis of radionuclides by gamma spectroscopy – this method allows for quantification of multiple nuclides simultaneously, without chemical separation. As with other commercial laboratories, a broad isotopic gamma library was utilized when conducting the analyses. In gamma spectroscopy, the instrument's software compares detected/observed gamma rays with the known energy listed in the library, enabling the "identification" or quantification of nuclides present in the sample.

However, due to the lack of chemical separation, all nuclides within the sample will contribute their respective disintegration(s) to the spectrum. The software will attempt to identify and quantify all the isotopes that are listed in the gamma library – the Paragon library contained over 40 isotopes. If two isotopes have the same or similar gamma emission energies, the system will likely report a false positive for one or both of the nuclides. This is especially true when a sample comes from a site containing elevated levels of thorium, radium or uranium. These nuclides may lead one to falsely conclude that the site is contaminated with unrelated radioactivity or believe that there is an excessive amount of naturally occurring radioactive material (NORM) or technologically enhanced NORM (TENORM).

Often laboratories will address these issues with data qualifiers and/or in the case narrative. However, when data are processed or transmitted electronically, often the results are imported without qualifiers and accompanying documentation from the case narrative(s).

There are algorithms available in most spectroscopy software that can adjust for spectral interference and correct one or both isotopes accordingly. However, the variance in background, gamma-ray yield, number of emissions per isotope, gamma-ray energies, contaminant levels, detector sensitivity, and other variables prohibit the ability to consistently and accurately rely on the correction by the software without data verification. In some cases, the spectroscopist or the software will flag the sample data with qualifiers, in this case 'SI', to note that there was spectral interference in the respective energy region.

Another situation that can occur when using a broad scope gamma library is the "forced reporting" of isotopic concentrations when there was no identified peak. The system selects the energy region where the listed isotope's gamma-ray (primary key line) would be detected. If there are insufficient counts to statistically determine that a peak is present, then the software will simply report the activity observed in that area. Due to a standard library (for all clients) with a tandem report, an isotopic concentration will still be reported, though not detected/identified. Though the data can be flagged, in this case 'TI', as being tentatively identified, count statistics and the addition of other activity result in "positive" values, just above minimum detectable concentrations. Further complicating matters, these isotopes' gamma lines/energies often have high abundance or yields, which drive down the detection limit. As with the spectral interference example, the values can be falsely carried into the reporting process and be considered as potential contaminants.

<u>False Positives – Spectral Interference (SI):</u>

The following table lists the nuclides that were frequently reported as positive as a result of spectral interference. The naturally occurring and/or known site RCOPCs that would cause the spectral interference is provided to substantiate the removal of the isotope from consideration.

TYPE I Error Radionuclide	*Primary Gamma Ray Energy (keV) at % yield*	*RCOPC or NORM Isotope interfering*	*Primary Energy of Interferer (keV)*	*Routine Lab Qualifier*	*Historical Basis for Site Presence?*
Cd-109	88.04 @ 3.6%	Pb-212, 214 (U series)*	87.2*	SI	No
Eu-155	86.5 @ 30.9%	Pb-212, 214 (U series)*	87.2*	SI	No
Eu-155	105.3 @ 20.67%	Ac-228	105.0	SI	No
Mn-54	834.8 @ 99.98%	Ac-228	835.6	SI	No
Nb-95	765.8 @ 99.8%	Pa-234m (U daughter)	766	SI	No

* Between approximately 70-90 keV excess X-rays, especially in higher activity level samples, negatively impacts detector discrimination.

No Peak Identification and/or Short Half-life with No Source Material

The table below provides a listing of the nuclides that were NOT identified but generated frequent false positives. The associated half-life is also provided along with a determination if potential source material is present at the site.

TYPE I Error Radionuclide	*Primary Gamma Ray Energy (keV) at % yield*	*Lab Qualifier*	*Isotope Half Life*	*Source Material Present?*	*Historical Basis for Site Presence?*
Co-56	846.8 @ 100%	TI (no peak)	77 days	No	No
Co-57	122 @ 85.6%	TI (no peak)	271 days	No	No
Co-58	810.78 @ 99%	TI (no peak)	71 days	No	No
Cr-51	320.08 @ 10%	TI (no peak)	28 days	No	No
Cs-134	604.7 @ 97%	TI (no peak)	747 days	No	No
	795.9 @ 86%	TI (no peak)	747 days	No	No
Ag-110m	657.8 @ 94%	TI (no peak)	250 days	No	No
Al-26*	1808.6 @ 99%	TI (no peak)	717k years	No	No
Be-7	477.6 @ 105%	TI (no peak)	53 days	Yes**	Yes**
Eu-152	121.8 @ 28.6%	TI (no peak)	13.5 years	No	No
	344.29 @ 26.5%	TI (no peak)	13.5 years	No	No
	1408.0 @ 21.0%	TI (no peak)	13.5 years	No	No
Eu-154	123 @ 40%	TI (no peak)	8.8 years	No	No
	1274.5 @ 35%	TI (no peak)	8.8 years	No	No
Fe-59	1099.3 @ 56.5%	TI (no peak)	45 days	No	No
	1291.6 @ 43.2%	TI (no peak)	45 days	No	No
Na-22	1274.5 @ 99.9%	TI (no peak)	2.6 years	No	No
Ru-106	511.9 @ 20.6%	TI (no peak)	374 days	No	No
Sb-124	602.7 @ 97.9%	TI (no peak)	60 days	No	No
Sc-46	889.3 @ 99.9%	TI (no peak)	84 days	No	No
	1120.5 @ 99.9%	TI (no peak)	84 days	No	No
Zn-65	1115.5 @ 50.6%	TI (no peak)	244 days	No	No

* High yield of line results in a low MDC for isotope, increases likelihood of false positive.

** Naturally occurring radioactive material.

Recommended Library Modification:

Provided below is the library used during the remedial investigation at the Hematite site. Included are the recommended modifications for consideration in future analyses to avoid these Type-I errors. Using the information provided above, along with eliminating isotopes that were reported with no detectable concentrations – shaded isotopes should be removed.

Radionuclide	*Comment*
Actinium-228	
Aluminum-26	No peak identification, TI, no source material
Americium-241	
Antimony-124	Not detected
Antimony-125	Not detected
Beryllium-7	Not detected, recommend maintaining as NORM marker.
Bismuth-212	Maintain as confirmation of other RCOPCs
Bismuth-214	Maintain as confirmation of other RCOPCs
Cadmium-109	Spectral Interference, no source material
Cerium-139	Not detected
Cerium-144	Not detected
Cesium-134	No peak identification, TI, no source material
Cesium-137	Maintain as appropriate indicator of fission products.
Chromium-51	No peak identification, TI, no source material
Cobalt-56	No peak identification, TI, no source material
Cobalt-57	No peak identification, TI, no source material
Cobalt-58	No peak identification, TI, no source material
Cobalt-60	Maintain as appropriate indicator of fission products.
Europium-152	No peak identification, TI, no source material
Europium-154	No peak identification, TI, no source material
Europium-155	Spectral Interference, no source material
Iodine-131	Not detected
Iron-59	No peak identification, TI, no source material
Lead-212	Maintain as confirmation of other RCOPCs
Lead-214	Maintain as confirmation of other RCOPCs
Manganese-54	Spectral Interference, no source material
Neptunium-237	
Niobium-94	Not detected, no source material
Niobium-95	Spectral Interference, no source material
Potassium-40	Not detected, recommend maintaining as NORM marker.
Protactinium-234	
Ruthenium-106	No peak identification, TI, no source material
Scandium 46	No peak identification, TI, no source material
Silver-110	No peak identification, TI, no source material
Sodium-22	No peak identification, TI, no source material
Thallium-208	Not detected
Thorium-227	
Thorium-234	
Uranium-235	
Zinc-65	No peak identification, TI, no source material