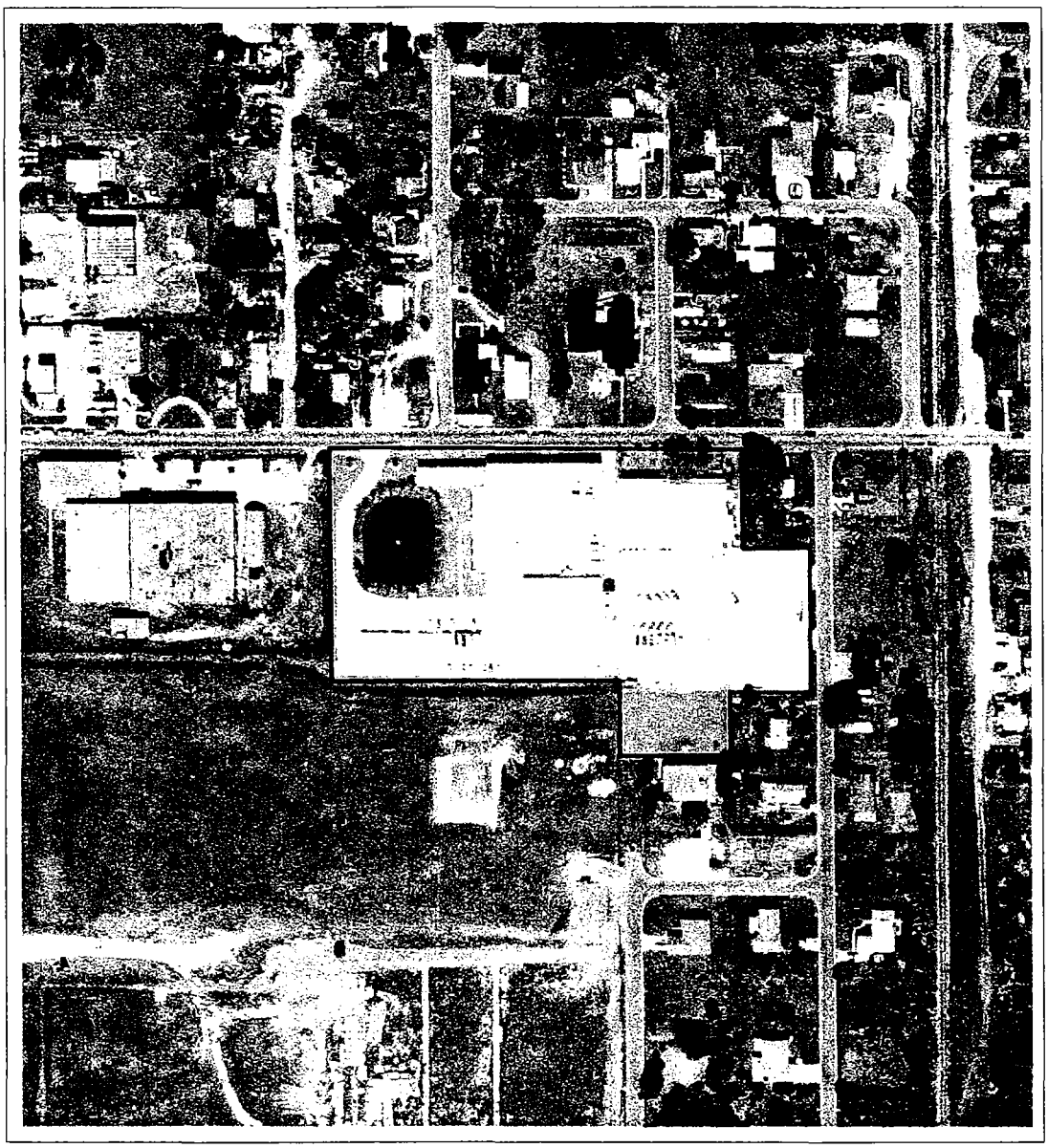
FINAL CONTAMINATION ASSESSMENT REPORT

Former American Beryllium Company
1600 Tallevast Road
Tallevast, Florida



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Final Contamination Assessment Report
Former American Beryllium Company

May 9, 2003

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Section 1
Introduction

On behalf of Lockheed Martin Corporation (LMC), Tetra Tech, Inc. has prepared the following Final Contamination Assessment Report (CAR) for Lockheed Martin's former American Beryllium Company (ABC) facility in Tallevast, Florida. This report summarizes data collected between December 2002 and March 2003 that were used to delineate the extent of volatile organic compounds (VOCs) in groundwater. The contamination assessment program was conducted in accordance with Tetra Tech's Contamination Assessment Plan Addendum (CAPA), dated July 31, 2001 and CAPA #2, dated September 13, 2002.

The contamination assessment program was conducted to address Florida Department of Environmental Protection (FDEP) requirements for delineation of VOCs identified in groundwater at both on-site and off-site locations. The primary objective was to place permanent monitoring wells at locations where VOCs are below the FDEP's Groundwater Concentration Threshold Limits (GCTLs). The intent of this report is to evaluate groundwater conditions, to document the lateral and vertical extent of VOCs in groundwater, and develop an initial site conceptual model. The data presented herein will be used to evaluate and recommend groundwater remedial alternatives at the site.

To attain this objective, the contamination assessment program was implemented in two phases: (1) grab groundwater samples were collected to evaluate the lateral extent of VOCs, and (2) permanent point-of-compliance monitoring wells were installed and sampled at locations where grab samples identified VOCs below GCTLs. Additional wells were installed at select locations within the VOC plume to evaluate concentrations near suspected source areas.

The CAR is organized into the following sections:

- Section 2 – Site Background: Provides a brief overview of the CAR, a site description, subsurface conditions, and a summary of previous site investigations;
- Section 3 – VOC Delineation Investigation: Presents the technical approach to the contamination assessment program, and a description of the field methodology employed;
- Section 4 – Data Evaluation: Presents and evaluates groundwater analytical data collected;
- Section 5 – Summary: Presents a brief summary of the contamination assessment program;
- Section 6 – References: Lists references and citations used for compiling this CAR.

Supporting documentation, including regulatory correspondence, permits, soil boring logs, groundwater purging logs, waste disposal manifests, and laboratory data reports, are presented in Appendices A through G.

Section 2
Site Overview

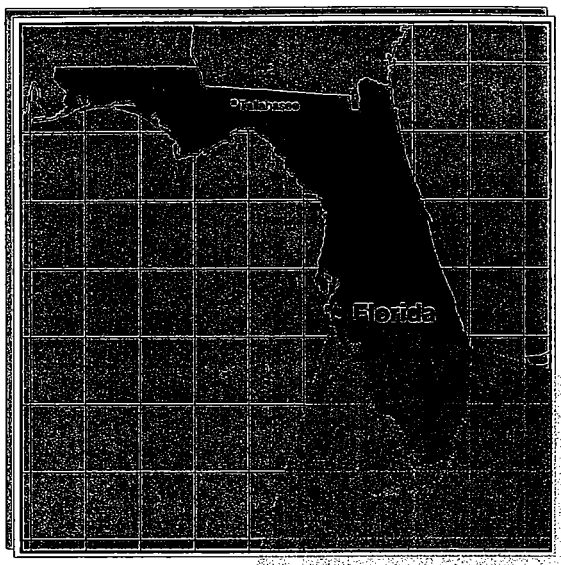
2.1 SITE LOCATION AND DESCRIPTION

The former ABC facility is composed of 5.167 acres of land and is located at 1600 Tallevast Road in Tallevast, Manatee County, Florida. The property is bounded by Tallevast Road to the north, undeveloped and residential areas to the south, 17th Street Court East to the east, and an abandoned industrial facility (the former Spindrift facility) to the west – *see Figure 2-1 for a location map.*

The property is zoned "Heavy Manufacturing" (HM) by the County of Manatee (Tetra Tech, February 1997). The facility was formerly used as an ultra-precision machine parts manufacturing plant, where metals were milled, lathed, and drilled into various components. Some of the components were finished by electroplating, anodizing, and ultrasonic cleaning. Chemicals used and wastes generated at the facility included oils, petroleum-based fuels, solvents, acids, and metals. Operations were discontinued on September 27, 1996.

The property contains five primary buildings that cover a total surface area of approximately 66,335 ft^2 (1.523 acres). During LMC's occupancy, Building #1, the main building structure, was comprised of office space and machining areas. Buildings #2 and #3 contained machining areas and inspection rooms. Building #4 housed a wood working shop and non-hazardous material storage area. Building #5 contained plating and anodizing rooms, a wastewater treatment system and hazardous materials storage areas. Exterior features consist primarily of a stormwater retention pond, a concrete swale, and open asphalt-paved areas. The concrete swale is a slight depression located in the driveway between the main building and Buildings #3, #4, and #5. The swale is a pathway for stormwater and discharges to the grass at the end of the paved area. Figure 2-2 provides an overview of the property. Further historical information is provided in Tetra Tech's Phase I Environmental Assessment (EA) Report, dated February 7, 1997.

FIGURE 2-1
SITE LOCATION MAP



Former American Beryllium Company
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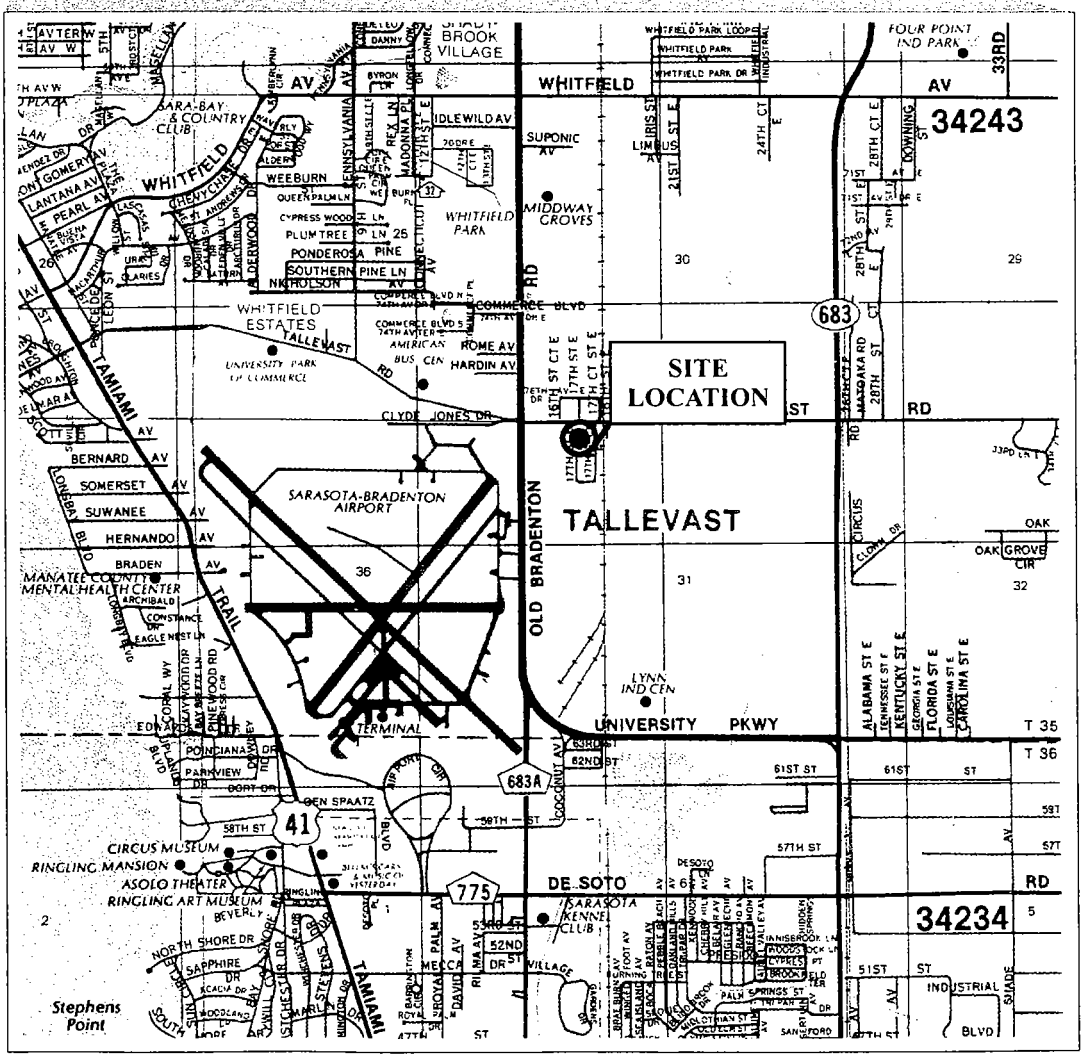
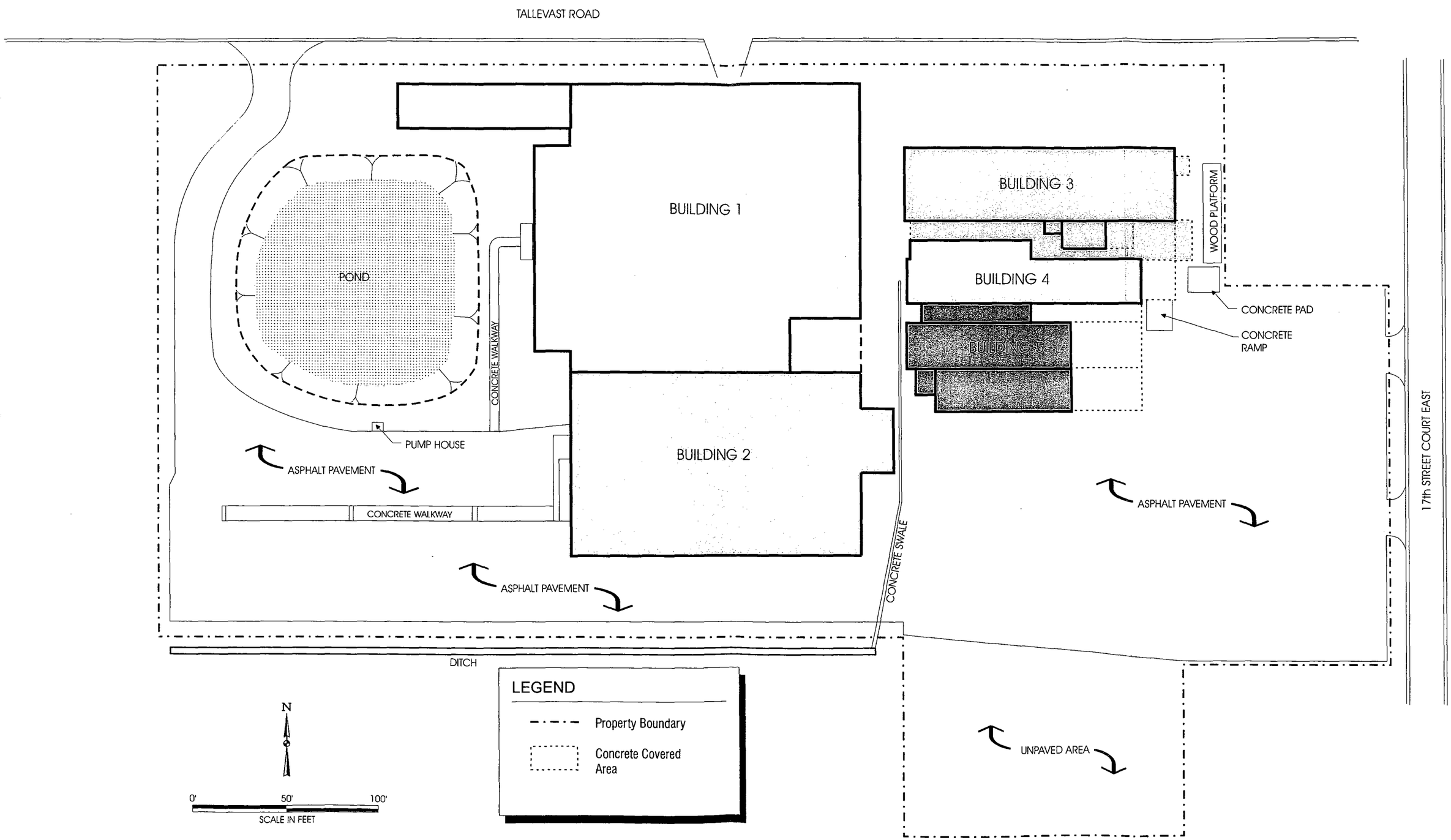


FIGURE 2-2
SITE OVERVIEW



A remedial action program was conducted at the former Spindrift facility, which borders the former ABC property to the west. The Spindrift facility was previously used for electronics manufacturing and fiberglass boat building. Petroleum-impacted soil and groundwater was identified in October 1993 during closure of an aboveground fuel oil storage tank at the site. Contamination assessment and remedial action programs were implemented between 1994 and 1996. FDEP issued a closure letter for the site in 1996.

2.2 SUBSURFACE CONDITIONS

2.2.1 Geology

The former ABC facility is located on a gently sloping plain at an elevation of about 30 feet above mean sea level. The site is inland from Sarasota Bay and approximately $1^3/_4$ miles from the Gulf of Mexico. The ground surface around the site has very low relief and slopes gently towards the south to southwest. Topographic features present in the area, such as closed depressions, low-lying marshy areas, and flat ground surface are most likely attributable to karst conditions.

The most recent beds (Holocene to Middle Eocene) were likely laid down as marine terrace deposits within the past 1.5 million years, prior to the retreat of Gulf of Mexico waters off the emergent Floridan landform. In the Manatee County area, Tertiary units exist in a thickness of greater than 5000 feet. As in most of peninsular Florida, the deposits are largely marine carbonates [Southwest Florida Water Management District (SFWMD), January 1995].

The uppermost 40 feet are comprised of undifferentiated surficial deposits consisting of variably clayey quartz sand and slightly phosphatic, iron-stained sand. From the surface to a depth of 20 feet bgs, these sands are fine to medium grained and unconsolidated. From 20 to 30 feet bgs, the sands are poorly consolidated with clay cement. Very dense, cemented sands occur from approximately 30 to 40 feet bgs.

The surficial deposits unconformably overlie approximately 45 feet of relatively pure clay (known as the "Venice Clay"). The clay sequence represents the upper confining beds of the intermediate

aquifer system - *see Section 2.2.2.* The contact between the Venice Clay and the underlying Early Miocene undifferentiated Arcadia Formation occurs at approximately 85 feet bgs at the site. The Arcadia Formation was established based on a downward transition from the bedded clays to a carbonate-dominant sequence of clayey calcilutities, phosphatic/quartz sandy calcilutities, and intermittent thin clays. Based on lithologic data collected from on-site monitoring well DW-1, fractured limestone wase observed in samples collected from 85 to 95 feet bgs. Clay was observed from 95 to 105 feet bgs, the maximum drilled depth at the site. Regionally, the Arcadia Formation extends to a depth greater than 300 feet bgs (SFWMD, January 1995).

2.2.2 Hydrogeology

Exploratory drilling and sampling at the site have identified a surficial aquifer system (SAS) and an intermediate aquifer system (IAS). The IAS includes the uppermost confining clay beds and upper semi-confining carbonates.

Based on groundwater data collected during the previous contamination assessment conducted in February 2001, depth to the SAS was approximately 6 feet bgs. Data collected since 1997 indicate that the SAS may fluctuate between approximately 4 to 7 feet across the project area. Based on the initial groundwater data collected in 2000 and 2001, groundwater flowed from west to east in the immediate vicinity around the Building 5 sump area. Transmissivity values of the SAS in south-central Manatee County have been calculated at 1,000 to 2,000 ft^2/d, although in western and coastal Manatee County, the transmissivity may be as high as 7,000 ft^2/d, which is a function of the coarser nature of the sand interbedded with shelly limestones and shell fragments (SFWMD, January 1995).

The IAS includes all water-yielding units and confining units between the overlying SAS and the underlying Floridan Aquifer System. Groundwater was encountered in the IAS at approximately 85 feet. The water table was later measured at approximately 12 feet bgs, confirming that the IAS occurs under confined conditions. The IAS is composed of upper confining and semi-confining beds that occurs between approximately 40 and 85 feet bgs. These confining beds generally consist of a continuous sequence of dense, non-plastic clays, with intermittent sandy clay zones.

moderately transmissive moldic beds of phosphatic / quartz-sandy calcilutites and calcarenites, and unconsolidated sands within the lower Arcadia Formation. The direction of groundwater flow within the IAS is generally westward. Transmissivity in the IAS has been reported to range from 700 to 1500 ft^2/d. Well yield has been reported at 10 gallons per minute (gpm) at shallower portions of the aquifer and 45 to 50 gpm at deeper portions of the aquifer (SFWMD, January 1995).

The closest production well to the site is located approximately $^1/_4$ mile northeast of the site. This well was drilled to a total depth of 805 feet bgs with the top 368 feet being cased. This well is believed to be screened within the Floridan Aquifer System, which has been reported at depths of 332 to 1715$^+$ feet bgs in the region (Southwest Florida Water Management District, January 1995). The well is within the Southwest Florida Water Management District and is used for agricultural purposes. No private wells are being used in either the SAS or IAS in the vicinity of the site, based on a well search conducted by FDEP and observations made by Tetra Tech during completion of the off-site contamination assessment program.

A landscaped pond is located on the west end of the former ABC property. The pond was reportedly constructed in approximately 1960 and supports various wildlife, including fish and birds. During periods of heavy rainfall, this pond serves as a groundwater recharge area that may affect local groundwater patterns.

Updated groundwater data were collected as part of this contamination assessment program. Groundwater data collected from a larger network of on-site and off-site monitoring wells has improved our understanding of local groundwater conditions. A detailed evaluation of the hydrogeological data collected during this assessment program is presented in Section 4.1 of this report.

2.3 SUMMARY OF PREVIOUS INVESTIGATIONS

Groundwater impacts were initially discovered during a preliminary groundwater sampling program conducted in January 2000 around the former sumps in Building #5. During this program, groundwater samples were collected from two temporary wells for analysis of VOCs, total petroleum hydrocarbons (TPH) and metals. Chemicals detected in the groundwater were screened against the applicable FDEP groundwater cleanup target levels (GCTLs), as published in the Florida Administrative Code 62-777 (FAC August 1999). Based on the analytical data, tetrachloroethene (PCE), trichloroethene (TCE), 1,1-dichloroethene (1,1-DCE), beryllium, and chromium were detected above GCTLs (Law Engineering and Environmental Services, January 2000) in the immediate vicinity of the former sumps.

Soil samples collected around the former Building #5 sumps also reported VOCs, TPH compounds, and metals above soil cleanup target levels (SCTLs), indicating that the former sumps were a source of subsurface impacts at the site. On behalf of LMC, Tetra Tech prepared a contamination discovery report (CDR), dated July 7, 2000, documenting the preliminary assessment activities conducted at the former ABC facility. In response to the CDR, the FDEP submitted a letter dated August 24, 2000 requiring a contamination assessment to further delineate the chemicals detected at the site.

2.3.1 Initial Contamination Assessment – February 2001

In February 2001, a contamination assessment was conducted to evaluate the extent of chemicals previously detected in the soil and groundwater. During the contamination assessment program completed in February 2001, 14 groundwater monitoring wells (10 temporary wells and 4 permanent wells) were installed and sampled to evaluate the extent of VOCs, TPH, and metals in groundwater at the former sump area and down gradient (southeast) of Building #5. At FDEP's request, metals were evaluated through the collection of unfiltered groundwater samples. VOCs, beryllium, and chromium were detected in groundwater above the FDEP GCTLs at the Building #5 sump area. Beryllium and chromium appear to be limited primarily to the immediate vicinity of the former sumps. However, VOCs were detected above GCTLs in groundwater samples collected near

the southeastern, northern, and northeastern property boundaries. Based on the analytical data, VOCs appeared to be migrating off-site of the former ABC facility (Tetra Tech, April 2001).

The groundwater sample collected from TT-HP5-D detected TCE at a concentration of 1,500 µg/L at a depth of approximately 18 feet bgs. The adjacent shallow well (TT-HP4-S) reported relatively low VOC concentrations (1µg/L for TCE) at a depth of approximately 8 feet bgs. The data indicated that VOCs may have migrated to finer-grained zones of the aquifer (Tetra Tech, April 2001). The findings from the initial assessment are presented in Tetra Tech's Contamination Assessment Report, dated April 30, 2001.

2.3.2 Source Removal Program – September 2001

The extent of impacted soil was limited to the Building #5 sump area. As a source removal measure, a remedial excavation was completed to remove soil impacted with TPH, VOCs, and metals in this area. The remedial excavation encompassed an approximate surface area of 2,400 square feet and extended to a depth of 5 feet bgs. A total of 538 tons of impacted soil was excavated and 14 confirmation soil samples were collected from the excavation. Based on the laboratory analytical results, beryllium, chromium, and VOCs were below the SCTLs. TPH was detected below its SCTL in most of the soil samples; however, a thin lens of residual TPH-impacted soil remains beneath Building #4. The residual impacted soil beneath Building #4 could not be excavated and will be addressed through a deed restriction. Further details of the soil removal program are presented in Tetra Tech's Initial Remedial Action Report, December 12, 2001.

2.3.3 Supplemental Contamination Assessment – December 2001

In December 2001, additional temporary monitoring wells were installed and sampled both on-site and off-site to assess the extent of VOCs in groundwater. The temporary wells were generally completed at two depth intervals (10 and 20 feet bgs) to evaluate the vertical distribution of VOCs. A total of 23 groundwater samples were collected for analysis. All groundwater samples were analyzed for VOCs and selected samples were also analyzed for beryllium and chromium.

VOCs were detected in each of the 23 groundwater samples that were collected both on-site and off-site. Of the VOCs detected, 1,1-DCA and TCE were detected at the highest frequency and concentrations. VOCs were reported at higher concentrations at 20 feet than at 10 feet bgs, indicating that most of the VOC mass has migrated to the finer-grained zones of the SAS. Figure 2-3 presents 1,1-DCA and TCE data at 10 feet bgs, based on the December 2001 sampling. 1,1-DCA and TCE isoconcentrations at 20 feet bgs are presented in Figures 2-4 and 2-5, respectively.

Based on data and figures, the up-gradient extent of 1,1-DCA and TCE west of Buildings 1 and 2, and down-gradient extent of TCE south of the Building 5 former sump area required additional delineation. The data also showed that the extent of TCE off-site (northeast and east of the property boundary) has not been defined. Based on the data collected from the temporary wells, additional on-site and off-site investigation was conducted to delineate the extent of VOCs in groundwater – *See Section 3*.

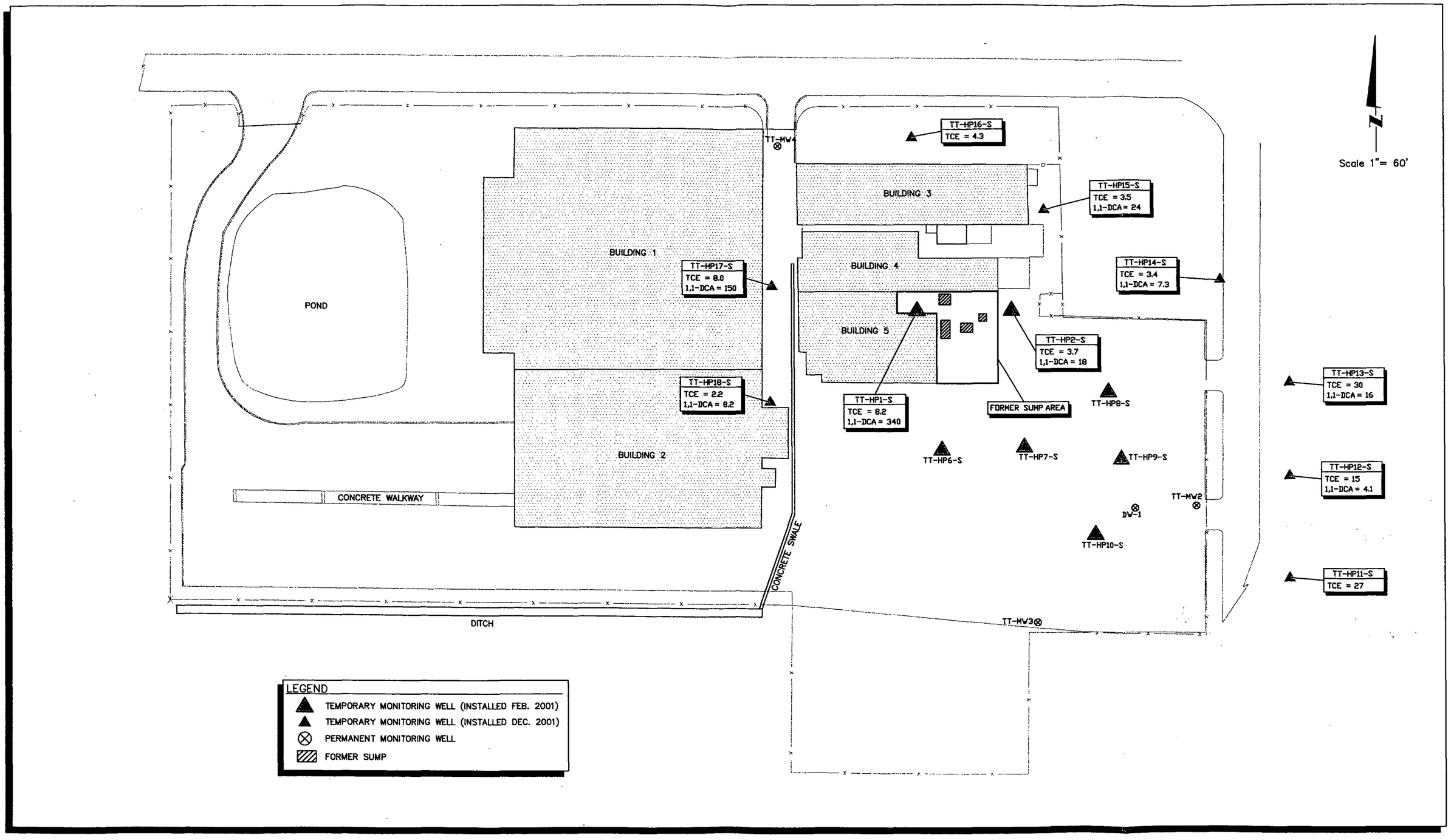
TPH and beryllium were not detected in any of the groundwater samples analyzed. Chromium was detected in five of the six groundwater samples analyzed. Chromium was detected at concentrations ranging from .0082 mg/L to 0.086 mg/L. The chromium concentrations detected were below the FDEP GCTL of 0.1 mg/L. Based on the data, no further investigation of TPH or metals was warranted.

2.3.4 Groundwater Analytical Data from Intermediate Aquifer

In accordance with FDEP's letter dated August 27, 2001, a permanent monitoring well was installed to evaluate the presence of VOCs in the deeper IAS. In January 2002, a well (DW-1) was installed to a depth of 92 feet bgs southeast of the Building #5 sump area, a location specified by FDEP. As required by FDEP, the well was dual cased to seal off the upper water-bearing zone. The well was constructed of 2-inch diameter PVC with a 6-inch surface casing diameter. The surface casing extended to a depth of 44 feet bgs. The well was screened from 82 feet to 92 feet bgs. A copy of the soil boring log and well construction diagram for DW-1 is presented in Appendix C.

The groundwater sample collected was analyzed for VOCs. The only VOCs detected were chloroform at 9.2 µg/L and bromodichloromethane at 1.4 µg/L. These VOCs are trihalomethanes that may be indicative of chlorinated tap water. Additional sampling was conducted to evaluate the data – *see Section 4.4*. The laboratory analytical data report is included in Appendix A. Cross Section A-A' (Figure 2-6) provides a profile of the soil lithology around DW-1 and surrounding shallower wells.

FIGURE 2-3
TCE AND 1,1-DCA CONCENTRATIONS AT 10 FEET BGS



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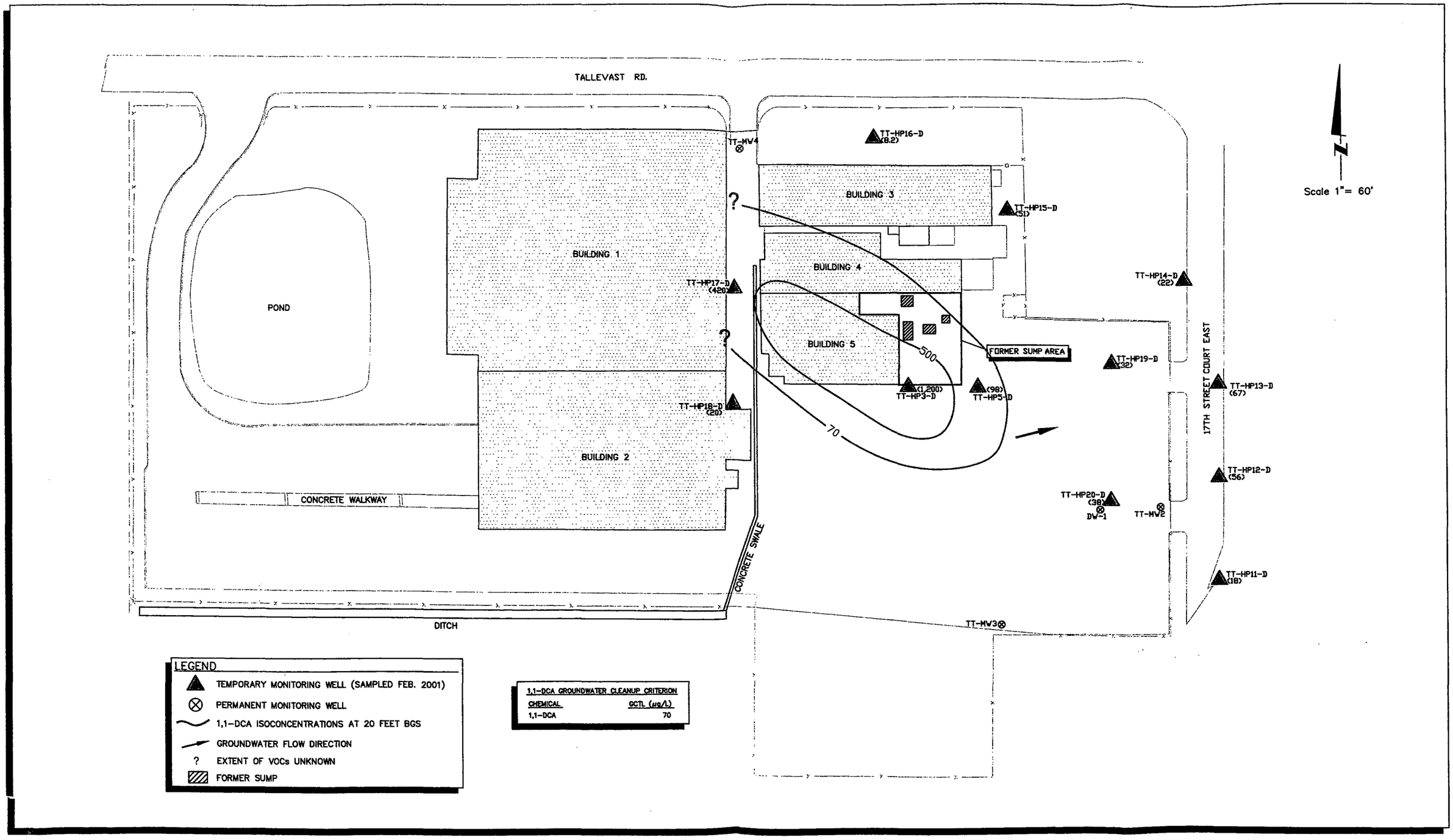

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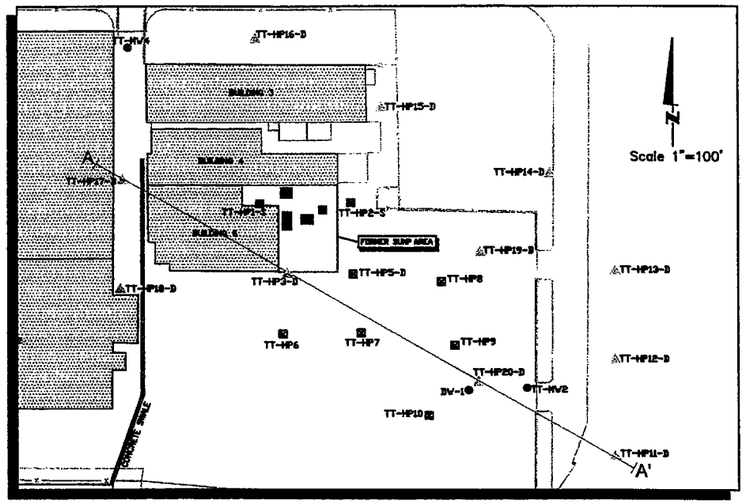
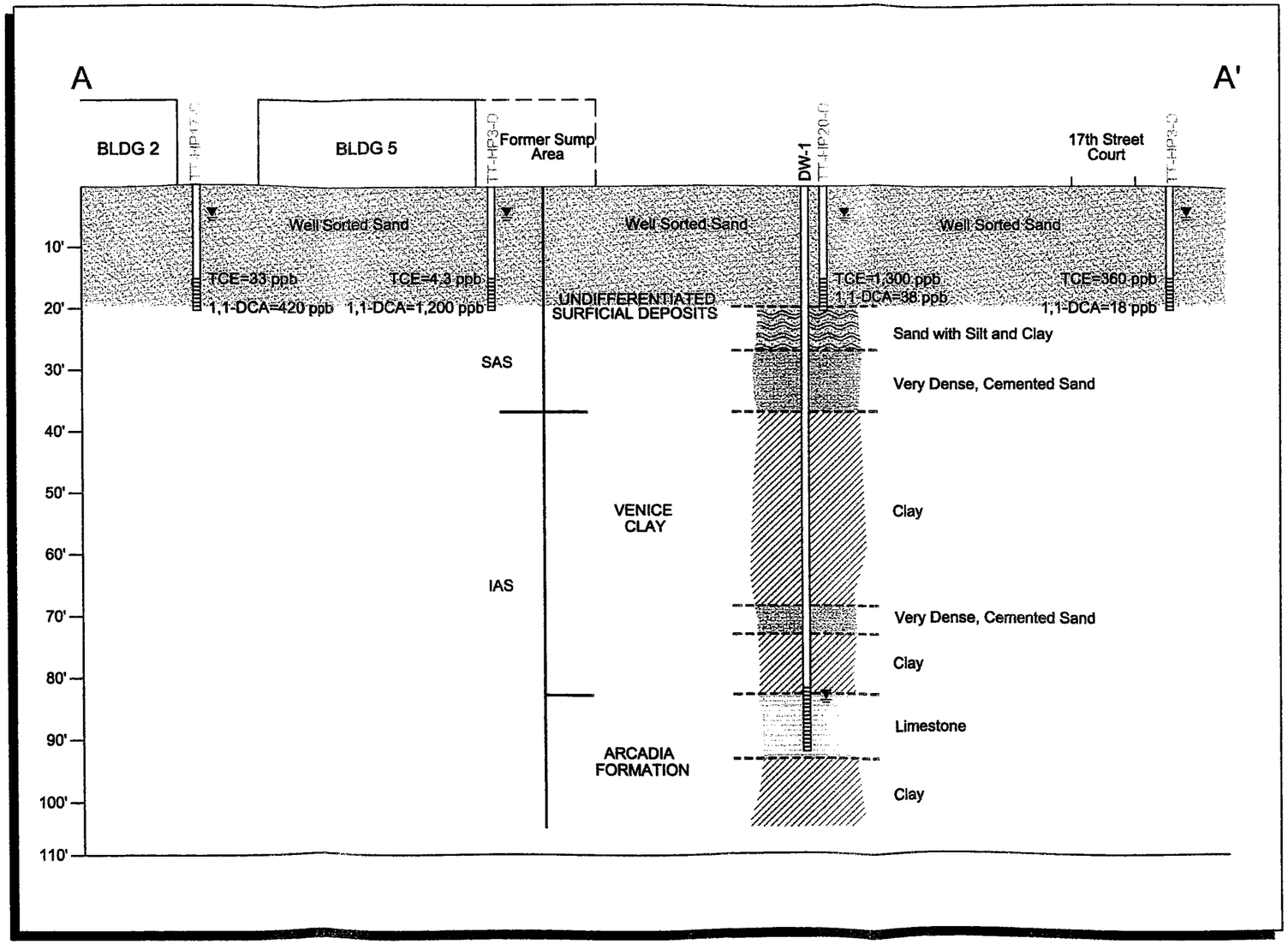


LEGEND

- TEMPORARY MONITORING WELL (INSTALLED FEB. 2001)
- TEMPORARY MONITORING WELL (INSTALLED DEC. 2001)
- PERMANENT MONITORING WELL
- GROUNDWATER LEVEL
- FORMER SUMP



Section 3
VOC Delineation Investigation Program

This section summarizes the data collected from the additional on-site and off-site groundwater delineation investigation conducted from December 2002 through March 2003. The delineation investigation was conducted in accordance with Tetra Tech's Contamination Assessment Plan Addendum #2 (CAPA), dated September 13, 2002, and FDEP's guidelines outlined in Corrective Actions for Contamination Site Cases. Approval letters were obtained from FDEP prior to conducting the field work – *see Appendix A*. The following section describes the approach and field methodology to conduct the additional VOC delineation.

3.1 PROJECT OBJECTIVES AND APPROACH

The primary intent of the program was to complete the delineation of VOCs in groundwater at the site. Previous investigations indicate that VOCs were migrating off-site to the northeast, east, and southeast. In addition, VOCs to the west (up-gradient) had not been delineated. Additional monitoring wells were installed to delineate the extent of VOCs in the groundwater both on-site and off-site, and to allow long-term monitoring of VOCs.

The objective was to collect sufficient data to completely delineate the extent of VOCs during this phase of field work. A contingency step-out plan was implemented to allow continued sampling until VOCs were reported at concentrations below GCTLs. Groundwater was initially evaluated by collecting grab groundwater samples and analyzing for VOCs with a mobile laboratory. Permanent (Type II) monitoring wells were then installed at locations where grab samples reported VOCs below GCTLs. However, if the initial round of samples did not show VOCs below the GCTLs, then additional step-out locations were selected to further delineate the extent of VOCs. The approach for VOC delineation outlined in this section consisted of the following phases:

- Phase I - Grab groundwater samples (through screen-point sampling or installation of temporary wells) were collected at locations beyond the outermost groundwater sampling points completed in December 2001. A State-Certified mobile laboratory was used for immediate analysis of VOCs. Soil samples were collected to evaluate potential VOC migration pathways. Whenever VOCs were identified above the GCTLs in any of the initial grab samples, additional step-out samples were collected at increasing distances from the previous sampling points;
- Phase II - Permanent point-of-compliance monitoring wells were installed at locations where VOCs in groundwater are below GCTLs. In addition, monitoring wells were also placed on the former ABC property near suspected VOC sources.

Data collected from this delineation investigation program will be used to evaluate appropriate remedial actions for the site, which will be presented under separate cover. Further description of the delineation investigation is presented in the remainder of this section.

3.2 PHASE I – GRAB GROUNDWATER SAMPLING

3.2.1 Sampling Approach

Grab groundwater samples were collected to delineate the extent of VOCs in the groundwater. Sampling locations were chosen primarily on public right-of-ways and the Seminole Gulf Railway right-of-way, based on ease of access. No sampling was conducted on private homes and residences. In addition, as part of the Phase I evaluation, some of the pre-existing temporary wells and one existing permanent monitoring well (MW-4) were re-sampled to provide updated groundwater data within the VOC plume. A total of 40 groundwater samples from 24 sampling locations were collected during the Phase I investigation. A summary of the sampling approach is presented in Table 3-1.

TABLE 3-1

PHASE I SAMPLING APPROACH

Sampling Locations	Sampling Method	No. of Sample Locations	Sampling Depth(s)	Laboratory Analyses
TT-HP21 through TT-HP36	New Sample Location (Screen-Point Sampler or Temporary Well[1])	16	All at 10 and 20 feet bgs, except TT-HP29 (20 feet bgs only)	VOCs
TT-HP3, TT-HP5, TT-HP15, TT-HP17, TT-HP18, TT-HP19, and TT-HP20	Pre-Existing Temporary Well [1]	7	20 feet bgs	VOCs
TT-MW-4	Pre-Existing Permanent Well	1	Screen interval at 5 to 20 feet bgs	VOCs

[1] All temporary wells have since been abandoned

To assess the extent of VOCs in groundwater, sampling was conducted at the former ABC facility and the surrounding area between December 17 and 19, 2002, and between February 3 and 5, 2003. Grab groundwater samples were collected at a shallow depth of approximately 10 feet bgs and a deeper depth of 20 feet bgs. All groundwater samples were analyzed for VOCs.

3.2.2 Phase I Methodology

Permitting

Two types of permits were obtained in order to conduct the investigation. To install monitoring wells in the public corridor, a public right-of-way permit (No. 299-01-24) was obtained from the Manatee County Engineering Department. A right-of-way permit was also obtained from the Seminole Gulf Railway for sampling on railroad property. In addition, a well permit was obtained from FDEP to conduct groundwater sampling. Copies of the well permit and Manatee County right-of-way permit are presented in Appendix B.

Site Clearance

Prior to intrusive sampling, utility locations were identified through a site clearance program. The Sunshine State One Call Center was notified to identify utilities in the vicinity of the site. In addition, available as-built drawings were reviewed to identify and mark known utilities.

A geophysical survey was conducted to trace the locations, and estimate the burial depths of the utilities that are in the proposed investigation area. The utility lines were traced using line locating (LL), electro-magnetometry (EM), and ground penetrating radar (GPR).

Completion of Soil Borings

A hydraulically-powered direct-push probe was employed to complete the soil borings. All borings were continuously cored to characterize lithology. During probe advancement, 5-foot long, acetate sample liners were driven or pushed into the soil. Sample liners were used for lithological logging.

A field geologist logged all boreholes using ASTM standard procedures and techniques. Soil samples were described for color, moisture, sorting, grain size, and any other pertinent soil characteristics observed. Soil information was recorded on soil boring logs – *see Appendix C.*

Groundwater Sampling

During the December 2002 sampling program, groundwater sampling was completed using temporary wells. The wells were completed with 1-inch, Schedule 40, PVC pipe that was screened across the appropriate sampling interval. The shallow wells were screened from 5 to 10 feet bgs, while the deeper wells were screened from 15 to 20 feet bgs. A sand pack was placed in the annulus between the borehole and the PVC casing. A bentonite seal was installed at the surface to minimize potential vertical conduits to contamination.

During the February 2003 sampling program, groundwater sampling was performed using a screen point sampler with a retrievable tip and stainless steel screen. During advancement, the slotted sampling tip was held up into the tip section of the tubular probe. Once it had reached the sampling depth, the probe was withdrawn approximately 18 inches to expose the screen to surrounding groundwater for sample collection.

In addition to the screen point sampling, seven pre-existing temporary wells and one permanent monitoring well were also sampled to provide updated data for evaluation of additional permanent well placement. At all sampling locations, a low-flow, peristaltic pump was used to purge and sample the groundwater. Samples were collected in 40 milliliter (ml) vials and transported to the on-site mobile laboratory for immediate analysis.

On-Site Laboratory Analysis

Samples were submitted to an on-site mobile laboratory (KB Labs, Inc. in Gainesville, Florida) for analysis of VOCs using EPA Method 8260 B.

Borehole Abandonment

All borehole locations were backfilled with hydrated bentonite or a grout slurry mixture. In addition, all previously installed temporary wells were abandoned by pulling the casing and backfilling to the surface with hydrated bentonite. All open boreholes at paved locations were re-surfaced to match the surrounding pavement (concrete or asphalt).

3.2.3 Analytical Results

As discussed in Section 3.2.2, a total of 40 groundwater samples from 24 sampling locations were collected during the Phase I investigation. All groundwater monitoring well samples were analyzed for VOCs by USEPA Method 8260. Hard copy laboratory data reports are presented in Appendix D.

Groundwater Analytical Data at 10 Feet bgs

A total of 17 groundwater samples were collected at approximately 10 feet bgs. (*Note: The sample from well TT-MW4 is assumed to be at ~10 feet bgs, the approximate midpoint of the well screen interval*). A summary of the chemicals detected at the 10-foot depth interval is presented in Table 3-2.

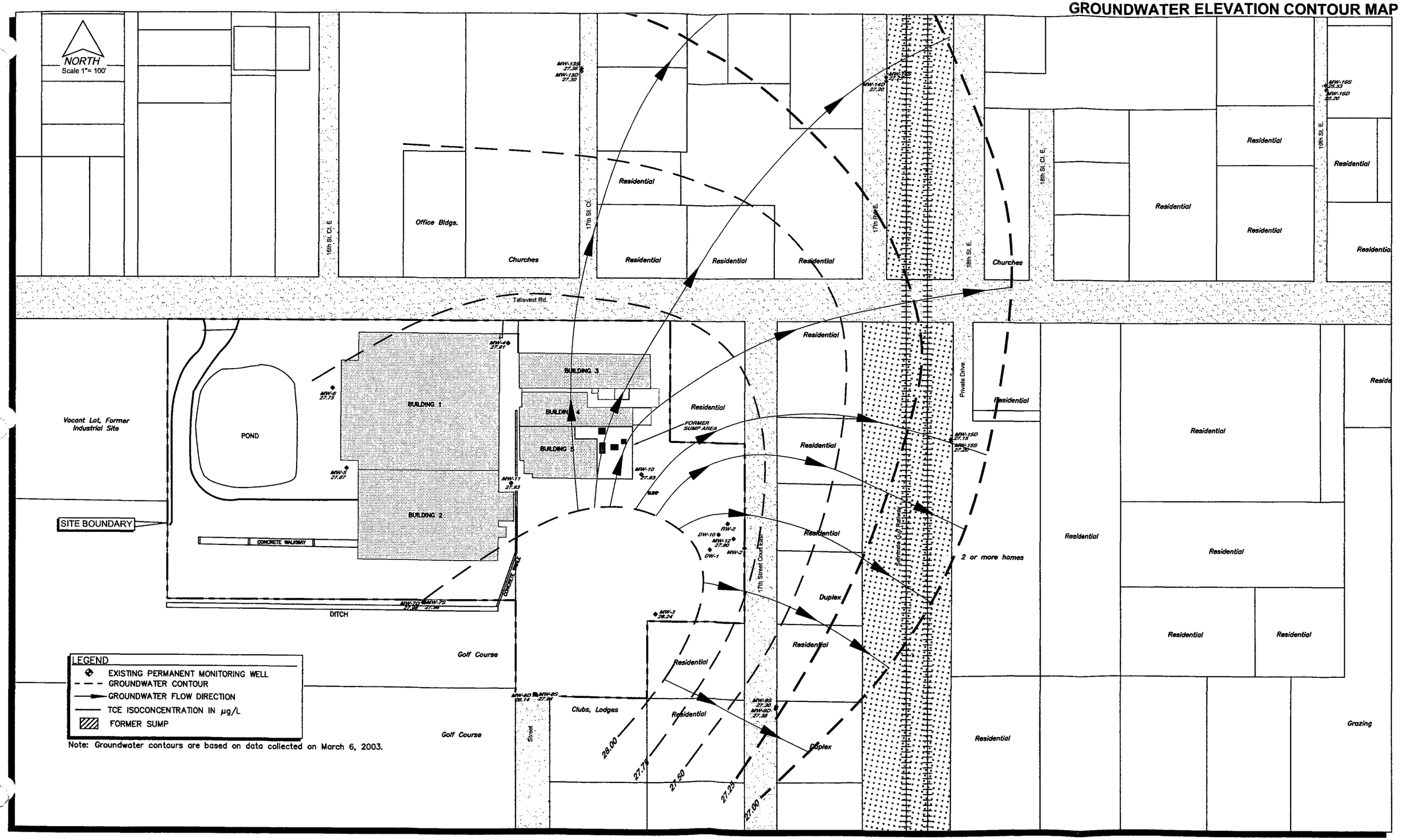
TABLE 3-2

SUMMARY OF VOCS DETECTED IN GROUNDWATER AT 10 FEET BGS

Sample I.D.	Chemical (µg/L)	Max. Detection (ug/L)	GCTL (ug/L)
TT-MW4 (screened from 5 to 20 feet bgs)	1,1-DCE TCE	1.34 2.38	7 3
TT-HP21-S	1,1-DCE 1,1-DCA TCE	2.66 22.10 2.62	7 70 3
TT-HP22-S	No VOCs Detected	NA	NA
TT-HP23-S	CCl_2Fl_2 1,1,1-TCA	1.16 1.37	No Standard 200
TT-HP24-S	Acrylonitrile Methylethylketone 4-Methyl-2-Pentanone	26.80 9.30 13.20	No Standard No Standard No Standard
TT-HP25-S	Naphthalene	21.2	No Standard
TT-HP26-S	t-1,2-DCE c-1,2-DCE Naphthalene	2.41 1.93 1.60	100 70 No Standard
TT-HP27-S	No VOCs Detected	NA	NA
TT-HP28-S	No VOCs Detected	NA	NA
TT-HP29-S	No VOCs Detected	NA	NA
TT-HP30-S	No VOCs Detected	NA	NA
TT-HP31-S	No VOCs Detected	NA	NA
TT-HP32-S	No VOCs Detected	NA	NA
TT-HP33-S	t-1,2-DCE 1,1-DCA c-1,2-DCE	1.8 1.7 10.7	100 70 70
TT-HP34-S	No VOCs Detected	NA	NA
TT-HP35-S	TCE	1.3	3
TT-HP36-S	TCE	1.2	3

As shown in Table 3-2, nine samples reported VOCs above detection limits. The most frequently detected VOCs were TCE, 1,1-DCA, and DCE. However, no VOCs were detected above GCTLs, indicating that the lateral extent of shallow VOC impacts has been delineated. Figure 3-1 presents the shallow sampling locations with call-out boxes summarizing concentrations of the most commonly detected VOCs.

FIGURE 4-1
GROUNDWATER ELEVATION CONTOUR MAP



Note: Groundwater contours are based on data collected on March 6, 2003.

Groundwater Analytical Data at 20 Feet bgs

A total of 23 groundwater samples were collected at approximately 20 feet bgs. A summary of the chemicals detected at the 20-foot depth interval is presented in Table 3-3.

TABLE 3-3

SUMMARY OF VOCS DETECTED AT 20 FEET BGS
PHASE I GROUNDWATER SAMPLING PROGRAM

Sample I.D.	Chemical (µg/L)	Max. Detection (ug/L)	GCTL (ug/L)
TT-HP3-D	1,1-DCE	25	7
	1,1-DCA	210	70
TT-HP5-D	Dichlorofluoromethane	12	1400
	1,1-DCE	18	7
	1,1-DCA	56	70
	c-1,2-DCE	14	70
	TCE	110	3
	PCE	20	3
TT-HP15-D	1,1-DCA	72	70
	c-1,2-DCE	64	70
	TCE	2100	3
	PCE	20	3
TT-HP17-D	1,1-DCE	14.9	7
	1,1-DCA	98.9	70
	c-1,2-DCE	1	70
	TCE	53.4	3
TT-HP18-D	1,1-DCE	31	7
	1,1-DCA	43	70
	c-1,2-DCE	33	70
	TCE	1500	3
	PCE	13	3
TT-HP19-D	Dichlorofluoromethane	87	1400
	c-1,2-DCE	103	70
	TCE	2050	3
	Methylethylketone	520	No Standard
TT-HP20-D	1,1-DCE	29	7
	1,1-DCA	25	70
	TCE	640	3
	PCE	300	3
TT-HP21-D	1,1-DCE	21.4	7
	1,1-DCA	18.4	70
	c-1,2-DCE	9.6	70
	TCE	22.2	3
	PCE	1.79	3
TT-HP22-D	Carbon Disulfide	9.92	No Standard
TT-HP23-D	No VOCs Detected	NA	NA

TABLE 3-3 (continued)

SUMMARY OF VOCS DETECTED AT 20 FEET BGS
PHASE I GROUNDWATER SAMPLING PROGRAM

Sample I.D.	Chemical (µg/L)	Concentration (ug/L)	GCTL (ug/L)
TT-HP24-D	1,1-DCE	6.00	7
	1,1-DCA	12.70	70
	c-1,2-DCE	12.70	70
	TCE	4.30	3
	PCE	9.45	3
TT-HP25-D	No VOCs Detected	NA	NA
TT-HP26-D	1,1-DCE	1.31	7
	t-1,2-DCE	1.7	100
	1,1-DCA	1.54	70
	c-1,2-DCE	6.24	70
	TCE	61.6	3
TT-HP27-D	No VOCs Detected	NA	NA
TT-HP28-D	1,1-DCE	44.30	7
	1,1-DCA	30.60	70
	c-1,2-DCE	2.00	70
	TCE	34.30	3
	1,1,2-TCA	1.02	5
TT-HP29-D	1,1-DCE	5.28	7
	1,1-DCA	6.64	70
	c-1,2-DCE	8.22	70
	TCE	190	3
	PCE	1.52	3
	Carbon Disulfide	6.22	No Standard
TT-HP30-D	c-1,2-DCE	44	70
	TCE	630	3
TT-HP31-D	1,1-DCE	5.60	7
	1,1-DCA	4.90	70
	Carbon Disulfide	5.90	No Standard
TT-HP32-D	1,1-DCE	4.80	7
	1,1-DCA	23.2	70
	TCE	2.3	3
TT-HP33-D	1,1-DCE	3.0	7
	1,1-DCA	2.8	70
	TCE	10.4	3
	PCE	12.2	3
TT-HP34-D	1,1-DCE	3.0	7
	1,1-DCA	5.9	70
	t-1,2-DCE	19.9	100
	c-1,2-DCE	11.7	70
	TCE	2.2	3
TT-HP35-D	TCE	1.3	3
TT-HP36-D	No VOCs Detected	NA	NA

As shown in Table 3-2, nineteen of the 23 samples reported VOCs above detection limits. The detected VOCs include carbon disulfide, dichlorodifluoromethane, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, methylethylketone (MEK), PCE, and TCE. Four VOCs were detected above GCTLs, including PCE, TCE, 1,1-DCA, and 1,1-DCE. Figure 3-2 presents the shallow sampling locations with call-out boxes summarizing concentrations of the most commonly detected VOCs. Figure 3-2 shows that the extent of VOCs, both on-site and off-site, appears to be delineated. The following grab groundwater samples defined the lateral limits of the VOC plume:

- TT-HP22-D and TT-HP23-D to the west;
- TT-HP31-D to the north;
- TT-HP34-D, TT-HP35-D and TT-HP36–D to the east / northeast (down-gradient);
- TT-HP25-D to the southeast;
- TT-HP24-D and TT-HP27-D to the south.

3.3 PHASE II – INSTALLATION AND SAMPLING OF PERMANENT MONITORING WELLS

Following completion of the Phase I sampling program, Phase II was implemented by installing permanent monitoring wells at twelve discrete locations. All wells were installed during February 2003. All wells were constructed and installed in accordance with Florida Administrative Code (FAC) 62-532.

3.3.1 Selection of Well Locations

Well locations were determined based on the Phase I sampling data. Most of the wells were intended to be point-of-compliance wells; however, some were also installed within the VOC plume core to monitor concentrations near the suspected source areas.

Most well locations consisted of two nested wells with different screen intervals installed in separate boreholes. The shallower well had a screen interval from 4 to 10 feet bgs, and the deeper well had screen interval from 15 to 20 feet bgs. A summary of the wells installed is presented in Table 3-4.

FIGURE 3-2
PHASE I - VOC CONCENTRATIONS DETECTED IN GROUNDWATER AT 20 FEET

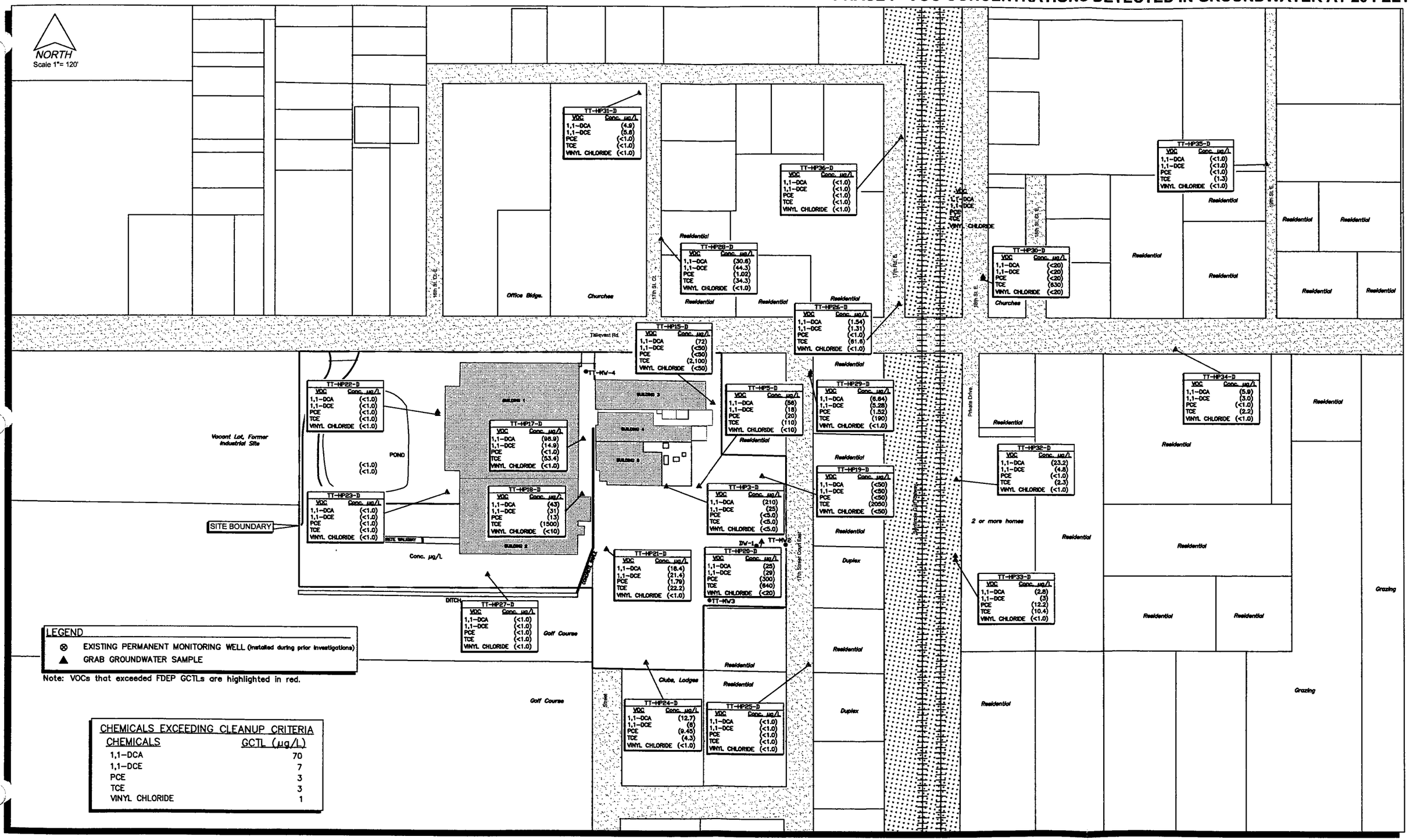


TABLE 3-4

SUMMARY OF MONITORING WELLS INSTALLED

Monitoring Well Location	Location / Purpose	No. of Wells	Well Depth (feet)
PLUME EDGE WELLS			
TT-MW5	Up-gradient, west of Building #1	1	10
TT-MW6	Up-gradient, west of Building #1 and #2	1	10
TT-MW7	Up-gradient, south of Building #2	2	10, 20
TT-MW8	Up-gradient, south edge of property	2	10, 20
TT-MW9	Cross-gradient, off-site to the southeast	2	10, 20
TT-MW13	Cross-gradient, off-site to the north on 17th Street Court	2	10, 20
TT-MW14	Down-gradient, off-site to the northeast on 17th Road East	2	10, 20
TT-MW15	Down-gradient, off-site to the east on railroad right-of-way	2	10, 20
TT-MW16	Down-gradient, off-site to the northeast on 19th Street East	2	10, 20
PLUME CORE WELLS			
TT-MW10	Within core of plume, adjacent to former Building #5 Sumps	1	20
TT-MW11	Within core of plume, southwest of Building #5	1	20
TT-MW12	Within core of plume, southeast of former Building #3 Sumps, near east property line	1	20

Similar to the Phase I sampling approach, no wells were installed on private homes and residences. Off-site well locations were chosen primarily on public right-of-ways and the Seminole Gulf Railway right-of-way, based on ease of access.

3.3.2 Phase II Methodology

Well Permits and Site Clearance

Prior to initiating the field activities, permits were obtained from FDEP, Manatee County Engineering Department, and Seminole Gulf Railway – *see Appendix B.* Underground utility clearance was performed in accordance with the procedures described in Section 3.2.2.

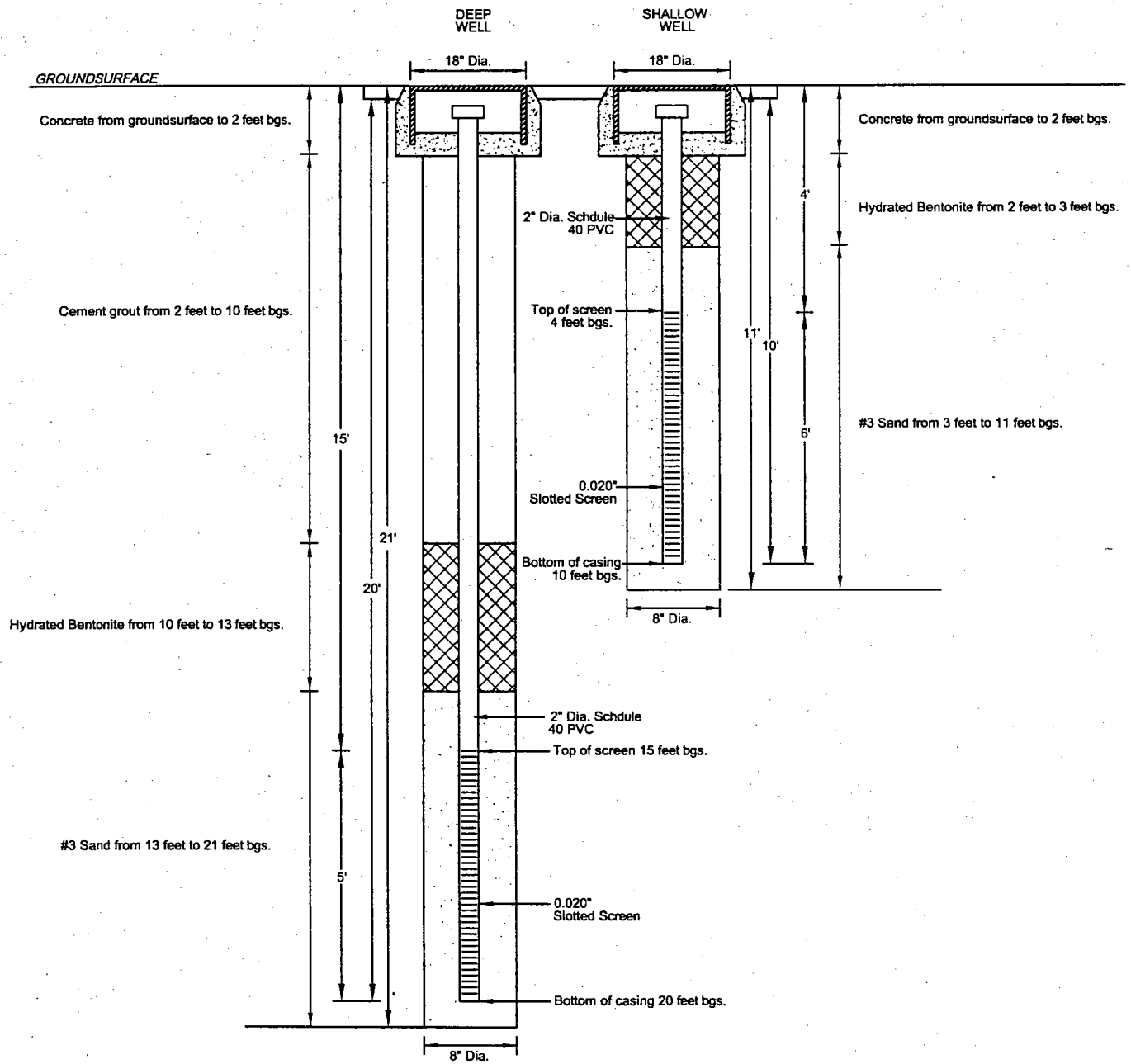
Drilling and Monitoring Well Construction

The monitoring well borings were completed using a drill rig fitted with hollow stem augers to reach the desired well depth. Each of the wells were constructed using 2-inch, flush threaded, Schedule 40 PVC well casing, and 2-inch diameter 0.02-inch slot well screen. The well screen interval extended from 4 to 10 feet bgs for the shallow wells and 15 to 20 feet bgs for the deep wells. The annular space around the well screen from 4 to 10 feet bgs (shallow well) and 13 to 20 feet bgs (deep well) was filled with coarse-grained sand pack that is compatible with the slot size. Approximately 2 to 3 feet of hydrated bentonite chips was placed above the sand pack. The remaining annular space was filled with cement grout. Each well was finished with a water tight locking cap and a flush-mounted, protective steel cover set in concrete. A summary of the well construction is presented in Table 3-5. Details of the groundwater monitoring well construction are shown in Figure 3-3.

TABLE 3-5
WELL CONSTRUCTION

Total Well Depth (feet)	Well Type	Well Diameter (inches)	Well Screen Interval (feet)	Sand Pack Interval (feet)	Bentonite Seal Interval (feet)
10	Schedule 40 PVC	2	4 to 10	3 to 10	2 to 4
20	Schedule 40 PVC	2	15 to 20	13 to 20	10 to 13

FIGURE 3-3
GROUNDWATER MONITORING WELL CONSTRUCTION DETAILS



Well Development

After approximately 24 hours, the monitoring wells were developed. Development consisted of two steps: (1) surging; and (2) bailing. Surging was performed by forcing water into and out of the screen. The surging settled the sand pack and removed silt that had potentially entered the sand pack or screen during the installation procedure. The well was bailed and pumped to remove any suspended sediment and other materials that may have been introduced into the well during the installation and surging process. A minimum of 5 well volumes were removed during the well development procedure. The wells were then left to settle and reach equilibrium for a minimum of 72 hours prior to collecting groundwater samples.

Well Purging and Sampling

The 12 new wells were purged and sampled to evaluate current groundwater conditions. In addition, three pre-existing on-site monitoring wells were sampled. Well TT-MW3, located at the southeastern corner of the former ABC property, and TT-MW4, located at the north-central portion of the property, were sampled to provide additional groundwater data in the SAS. DW-1, a deep monitoring well screened in the IAS, was sampled to evaluate the vertical distribution of VOCs.

Groundwater samples were collected by first purging a minimum of 5 well volumes of groundwater and then allowing the water to recover to 80 percent of its original level. During well purging, field parameters including water temperature, pH, conductivity, dissolved oxygen, and turbidity were measured using a field water quality monitoring system. Stabilization of these parameters served as an indication of water representative of the formation, and their values were recorded on field data logging sheets. Copies of the well purging logs are located in Appendix E.

Groundwater samples were collected using dedicated disposable bailers (one bailer per sample per well). Prepared sample containers were provided by the laboratory prior to sampling. Water samples were collected with a clean Teflon bailer, placed in a cooler with ice and submitted to a State-Certified laboratory (U.S. Biosystems in Boca Raton, Florida) for analysis of VOCs using EPA Method 8260 B.

Equipment Decontamination and Waste Management

A restricted work zone was established during sampling. Only qualified team members were permitted to enter this zone. A decontamination area and a clean zone were established at the perimeter of the restricted work zone for preparation and breakdown of sampling equipment. The decontamination area was established to perform decontamination activities and contain decontamination rinsate solution for subsequent disposal. The decontamination staging area included scrub brushes and 5-gallon buckets for decontamination of equipment. Decontamination fluids and solutions were transferred to on-site drums for storage prior to disposal.

Soil cuttings, equipment rinse water, purge water, soil core materials, and solid wastes such as personal protective equipment (PPE) were contained in drums and stored at a designated staging area. All drums were appropriately labeled and logged on a drum inventory form. The wastes were characterized and disposed of in accordance with applicable state and federal regulations. Waste disposal manifests are provided in Appendix F.

Well Surveying

Well surveying was conducted on March 18, 2003 by Burnett Surveying, Inc. At each well location, horizontal northings and eastings and top-of-casing (TOC) elevations were measured. The top-of-casing elevation data were used to calculate groundwater elevations and evaluate site groundwater flow patterns – *see Section 4.*

3.3.3 Analytical Results

A total of 24 groundwater samples from 15 monitoring well locations were collected during the Phase II investigation. All groundwater monitoring well samples were analyzed for VOCs by USEPA Method 8260. Hard copy laboratory data reports are presented in Appendix G. A summary of the chemicals detected in the monitoring wells is presented in Table 3-6.

As shown in Table 3-6, six of the 24 samples reported VOCs above detection limits. The detected VOCs include acetone, carbon disulfide, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, methylene chloride, PCE, TCE, and vinyl chloride. Five VOCs were detected above GCTLs, including PCE, TCE, 1,1-DCA, 1,1-DCE, and vinyl chloride. The VOCs exceeding GCTLs were only detected in the three central monitoring wells (TT-MW10, TT-MW11, and TT-MW12). Figure 3-4 presents the monitoring well locations with call-out boxes summarizing concentrations of the most commonly detected VOCs. Figure 3-4 confirms that the extent of VOCs, both on-site and off-site, appears to be delineated. Further evaluation of the data is presented in Section 4.

TABLE 3-6

PHASE II - SUMMARY OF CHEMICALS DETECTED IN GROUNDWATER

Monitoring Well	Well Screen Interval (feet bgs)	VOC (µg/L)	Max. Detection (ug/L)	GCTL (ug/L)
TT-MW3	5 to 20	No VOCs Detected	NA	NA
TT-MW4	5 to 20	TCE	2.1	3
TT-MW5	5 to 10	No VOCs Detected	NA	NA
	15 to 20	No VOCs Detected	NA	NA
TT-MW6	4 to 10	No VOCs Detected	NA	NA
	15 to 20	No VOCs Detected	NA	NA
TT-MW7	4 to 10	No VOCs Detected	NA	NA
	15 to 20	No VOCs Detected	NA	NA
TT-MW8	4 to 10	No VOCs Detected	NA	NA
	15 to 20	No VOCs Detected	NA	NA
TT-MW9	4 to 10	No VOCs Detected	NA	NA
	15 to 20	No VOCs Detected	NA	NA
TT-MW10	15 to 20	1,1-DCA 1,1-DCE cis-1,2-DCE Methylene Chloride PCE TCE Vinyl Chloride	90 140 48 40 13 820 1.1	70 7 70 Not Listed 3 3 1
TT-MW11	15 to 20	Carbon Disulfide 1,1-DCA 1,1-DCE cis-1,2-DCE Methylene Chloride PCE TCE	10 14 7.9 6.2 12 4.4 140	Not Listed 70 7 70 Not Listed 3 3
TT-MW12	15 to 20	1,1-DCA 1,1-DCE cis-1,2-DCE Methylene Chloride PCE TCE Vinyl Chloride	23 30 8.1 21 290 710 2.9	70 7 70 Not Listed 3 3 1
TT-MW13	4 to 10	No VOCs Detected	NA	NA
	15 to 20	No VOCs Detected	NA	NA
TT-MW14	4 to 10	No VOCs Detected	NA	NA
	15 to 20	No VOCs Detected	NA	NA
TT-MW15	4 to 10	No VOCs Detected	NA	NA
	15 to 20	1,2-DCA	1.6	3
TT-MW16	4 to 10	No VOCs Detected	NA	NA
	15 to 20	No VOCs Detected	NA	NA
DW-1 (deep well)	82 to 92	Acetone Carbon Disulfide TCE	27 160 1.9	Not Listed Not Listed 3

SECTION 4
DATA
INVESTIGATION

Section 4
Data Evaluation

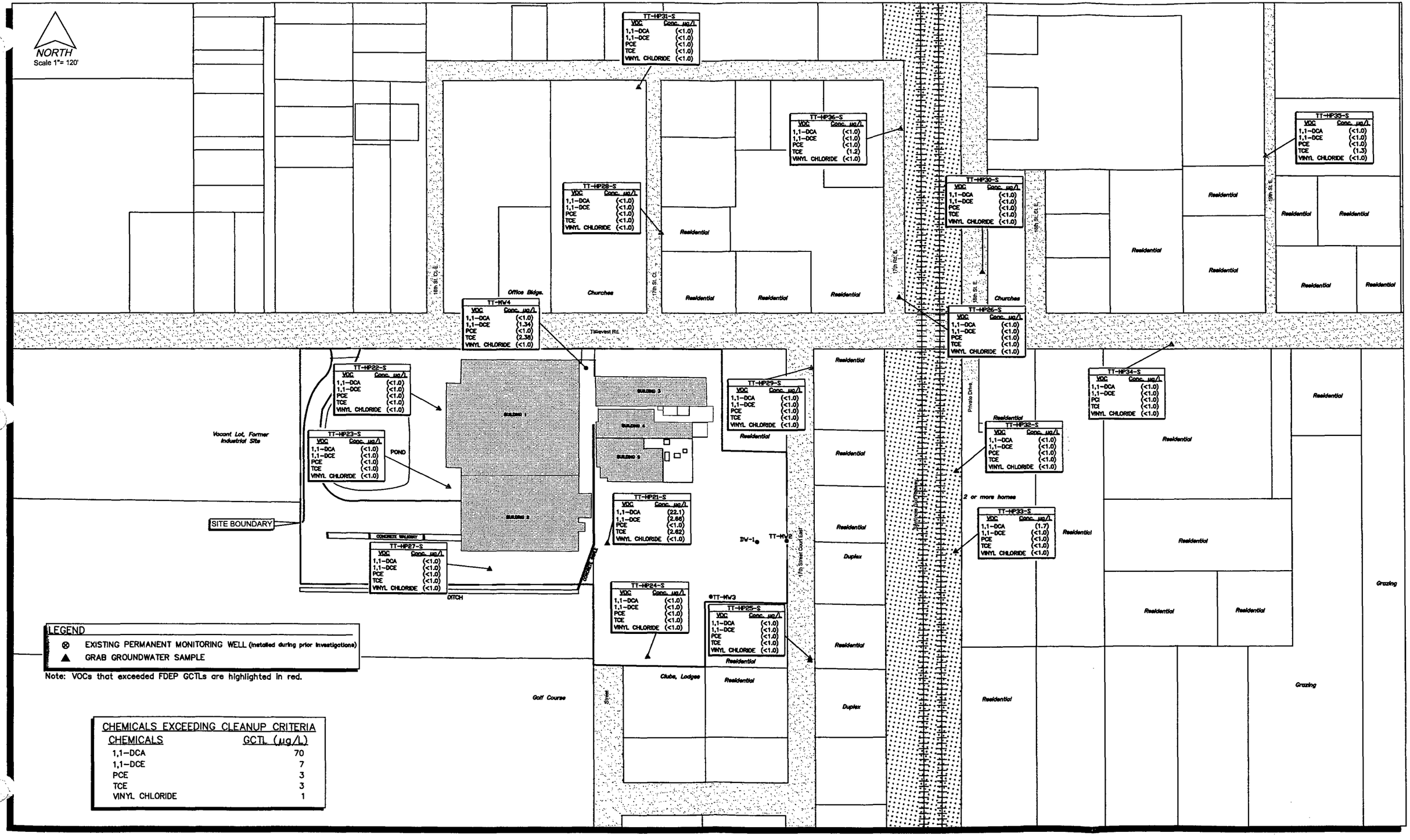
Presented in this section is an evaluation of the soil and groundwater data collected from the contamination assessment program. This section discusses groundwater flow conditions, identifies the primary chemicals of concern, evaluates the lateral and vertical extent of VOCs at the site, and presents the initial site conceptual model.

4.1 GROUNDWATER FLOW CONDITIONS

To estimate the direction of local groundwater movement and the hydraulic gradient, the relative top-of-casing elevations within the monitoring well network were surveyed. The relative groundwater elevation was then calculated by subtracting the depth-to-water value from the surveyed top-of-casing elevation.

Groundwater elevations were measured on March 6, 2003. Depth-to-water values ranged from 1.85 to 4.12 feet bgs across the project area. The corresponding relative groundwater elevations ranged from 27.05 to 31.99 feet above mean sea level (amsl). The lowest elevations were calculated at well location TT-MW16, located furthest northeast. The highest elevations were calculated in the vicinity of the wells TT-MW-3 and TT-MW9. Groundwater elevation contours are presented in Figure 4-1.

FIGURE 3-1
PHASE I - VOC CONCENTRATIONS DETECTED IN GROUNDWATER AT 10 FEET



The results of the groundwater elevation contouring show that groundwater flows generally from southwest to northeast. However, the overall groundwater flow regime appears radial, as shown by northerly groundwater flow at the northern portion of the project area, and southeasterly flow at the southeastern portion of the project area. In addition, the gradient appears to be slightly greater at the southeast portion of the former ABC property. Groundwater gradient throughout most of the project area is relatively flat, at approximately 0.001, but at the southeastern portion of the property, the gradient is slightly greater, at 0.004. One explanation for the flow patterns may be that groundwater mounding is occurring at the nearby golf course, which is probably being irrigated on a frequent basis. Groundwater patterns may also be impacted by the landscaped pond, located at the west end of the former ABC property.

Depth-to-water was also measured in monitoring well DW-1, which is screened within the IAS at 82 to 92 feet bgs. The static water level was measured at 11.88 feet bgs, confirming that the IAS occurs under confined conditions.

4.2 PRIMARY CHEMICALS OF CONCERN

Based on data collected during the contamination assessment, a total of five VOCs were detected in groundwater above their GCTLs throughout the investigation area. The VOCs include 1,1-DCA, 1,1-DCE, PCE, TCE, and vinyl chloride. For the most part, these five VOCs were detected above GCTLs in both grab groundwater samples and monitoring well samples. A summary of the maximum detections of these VOCs is presented in Table 4-1.

TABLE 4-1

VOCs Detected Above GCTLs

VOC Detected	Grab Groundwater Sample		Monitoring Well Sample		GCTL (µg/L)
	Max. Conc. Detected (µg/L)	Sample ID and Depth of Max. Conc.	Max. Conc. (µg/L)	Sample ID and Depth of Max. Conc.	
1,1-DCA	210	TT-HP3D (20')	90	TT-MW10	70
1,1-DCE	44	TT-HP30D (20')	140	TT-MW10	7
PCE	300	TT-HP20D (20')	290	TT-MW12	3
TCE	2,100	TT-HP-15D (20')	820	TT-MW10	3
Vinyl Chloride	< 50	TT-HP-15D (20') and TT-HP-19D (20')	2.9	TT-MW12	1

During the initial contamination assessment programs, the metals chromium and beryllium were detected above GCTLs in a very localized area around the former Building 5 sumps. Because the lateral extent of these metals was not extensive, these chemicals are not of concern.

4.3 LATERAL EXTENT OF VOCS IN GROUNDWATER

This section discusses the lateral distribution of VOCs at the 20-foot depth interval, since that is where the highest VOC concentrations were detected. Of the VOCs detected above GCTLs in groundwater, TCE and 1,1-DCA were detected most frequently and at the highest concentrations. The other VOCs were generally found co-located with these two compounds.

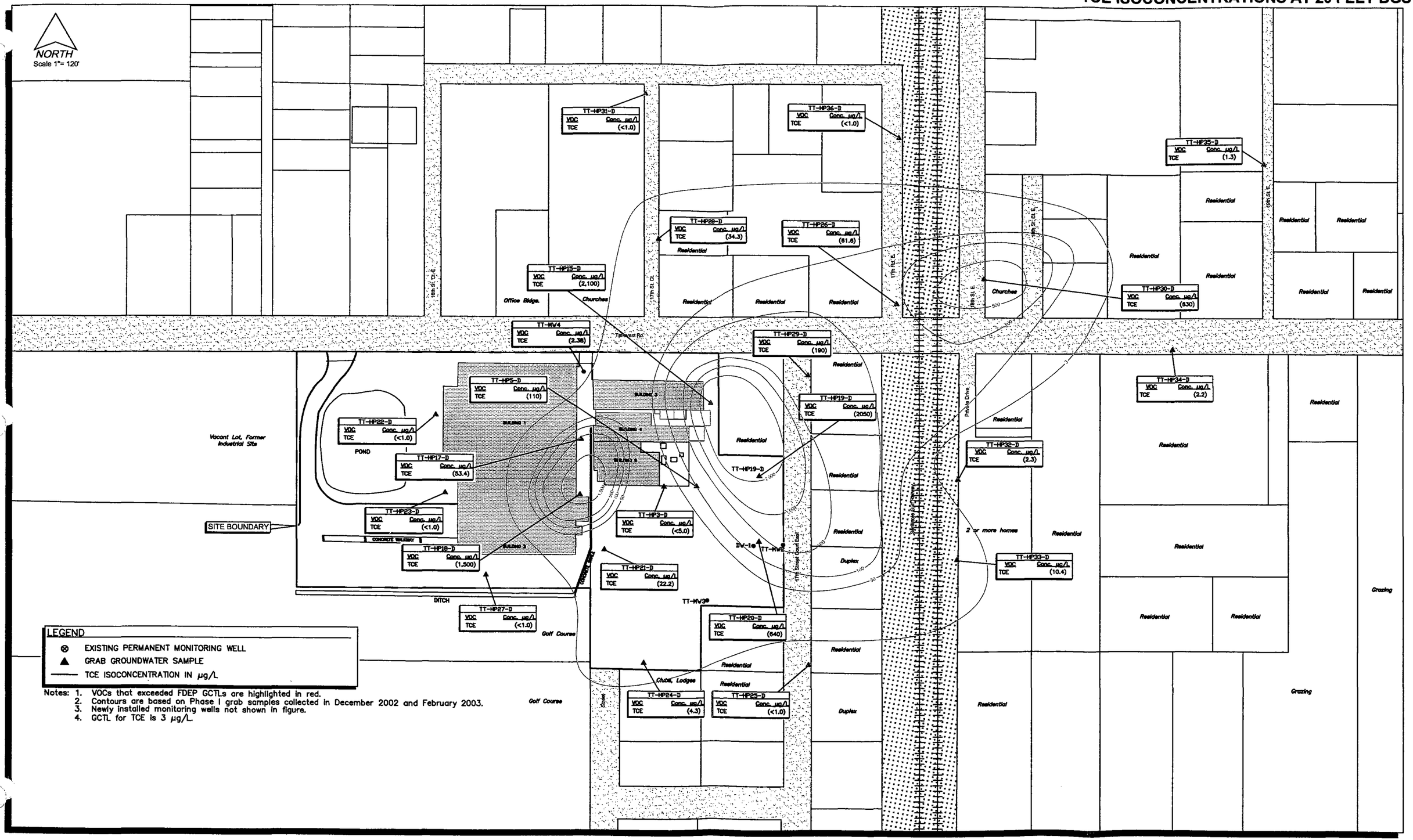
Distribution of TCE in Groundwater

TCE was detected above laboratory reporting limits in 16 grab groundwater samples during this investigation. TCE was detected above its GCTL in 11 samples, with three samples reporting concentrations greater than 1,000 µg/L. TCE concentrations above 1,000 µg/L were reported in sampling locations TT-HP17-D, located just east of Building #2; TT-HP15-D, located just east of Building #3; and TT-HP19-D, located approximately 130 feet east of Building #5. Based on the sampling data, the TCE plume appears to be centralized at the east-central portion of the former ABC property and is elongated along a southwest-to-northeast axis. An iso-concentration map for TCE at the 20-foot depth interval is presented in Figure 4-2. As shown by the outermost grab sampling locations and confirmed by monitoring well data, the lateral extent of TCE has been delineated. Further discussion of potential VOC sources and pathways is provided in Section 5.1.

Distribution of 1,1-DCA in Groundwater

1,1-DCA was detected above laboratory detection limits in 15 grab groundwater samples, with three samples reporting concentrations above GCTLs. The highest 1,1-DCA concentrations (210 µg/L) were reported at sampling location TT-HP3-D, located at the southeast corner of Building #5. Based on the sampling data, the 1,1-DCA plume appears centralized at Building #5 and is elongated along a southwest-to-northeast axis. An iso-concentration map for 1,1-DCA at the 20-foot depth interval is presented in Figure 4-3. As shown by the outermost grab sampling locations and confirmed by monitoring well data, the lateral extent of 1,1-DCA has been delineated. Further discussion of potential VOC sources and pathways is provided in Section 5.1.

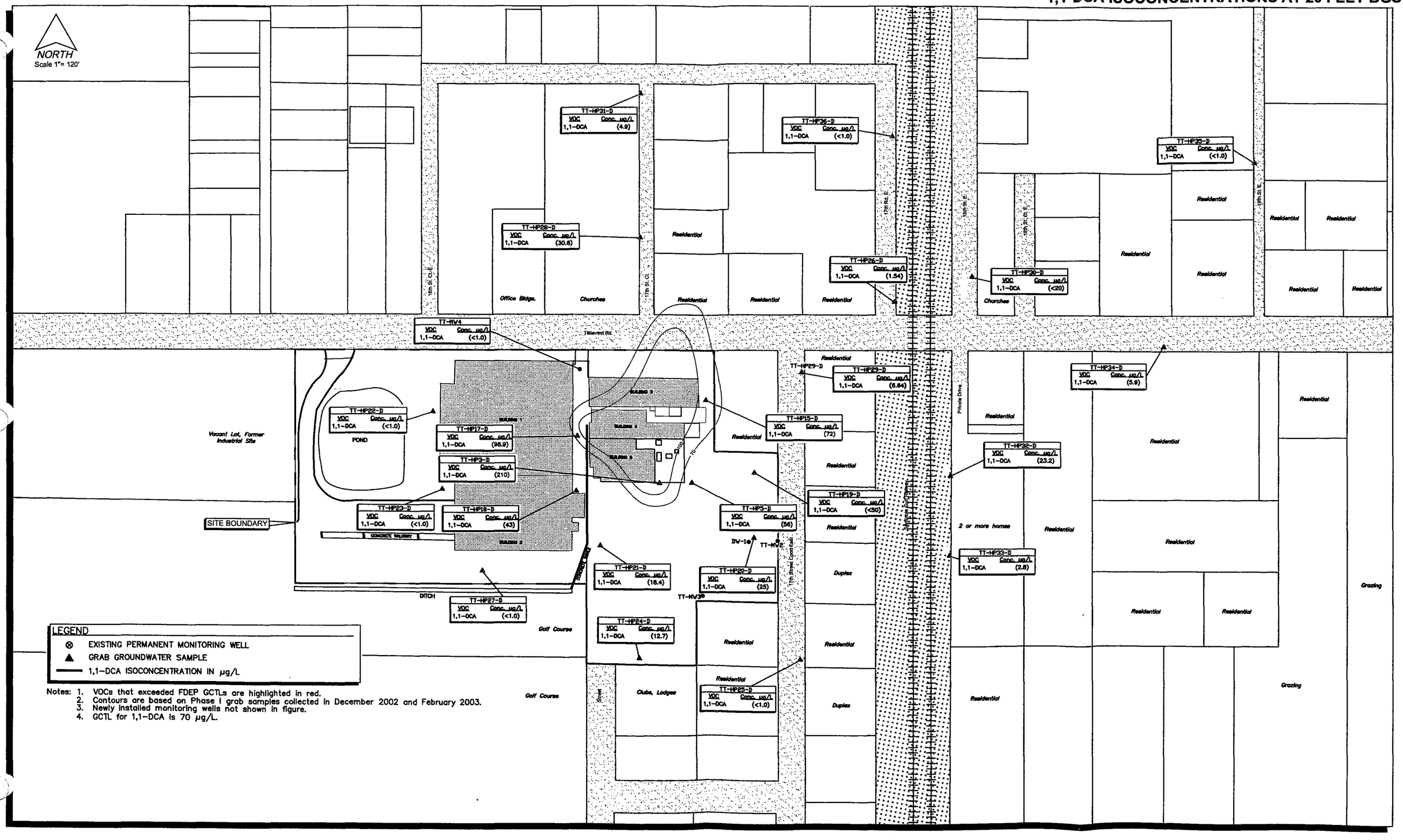
FIGURE 4-2
TCE ISOCONCENTRATIONS AT 20 FEET BGS



Notes:
1. VOCs that exceeded FDEP GCTLs are highlighted in red.
2. Contours are based on Phase I grab samples collected in December 2002 and February 2003.
3. Newly installed monitoring wells not shown in figure.
4. GCTL for TCE is 3 µg/L.

Pascd2396/D: /Cad4/F: /Projects/11665/Final_Report/11655FinalRptFigure4-3.dwg

FIGURE 4-3
1,1-DCA ISOCONCENTRATIONS AT 20 FEET BGS



4.4 VERTICAL EXTENT OF VOCS IN GROUNDWATER

VOCs detected during the contamination assessment program have consistently shown higher concentrations at the 20-foot depth interval compared to the 10-foot depth interval. No VOCs were reported above GCTLs in any 10-foot samples (grab samples or monitoring well samples) during the recent sampling program. The data indicates that most of the VOC mass is located directly above the finer-grained zones of the SAS.

A groundwater sample was also collected from monitoring well DW-1, which is screened within the IAS at 82 to 92 feet bgs. The only VOCs detected were acetone at 27 µg/L, carbon disulfide at 160 µg/L, and TCE at 1.9 µg/L.

4.5 INITIAL SITE CONCEPTUAL MODEL

As shown in Figures 4-2 and 4-3, the VOC plumes are centered at the east-central portion of the former ABC property. TCE concentrations greater than 1,000 µg/L were reported in groundwater samples collected adjacent to Building #2 and in down-gradient samples near Building #3 and Building #5. The highest 1,1-DCA concentrations were detected at the southeastern corner of Building #5. Samples collected directly up-gradient of Building #1 and #2 reported non-detectable concentrations of TCE, 1,1-DCA and other VOCs.

The VOC contours show relatively high VOC concentrations directly down-gradient of the former Building #5 sumps (e.g., TT-HP15-D and TT-HP30-D). The former sumps were known to have leaked, and a source removal program was conducted in September 2001 to remove petroleum and VOC impacted soil. The shape of the VOC contours shows another area of high VOC concentrations in the vicinity of Buildings #1 and #2. This area corresponds to the location of a former aboveground TCA solvent tank and an "oil storage area" that was used to store spent oils and solvents.

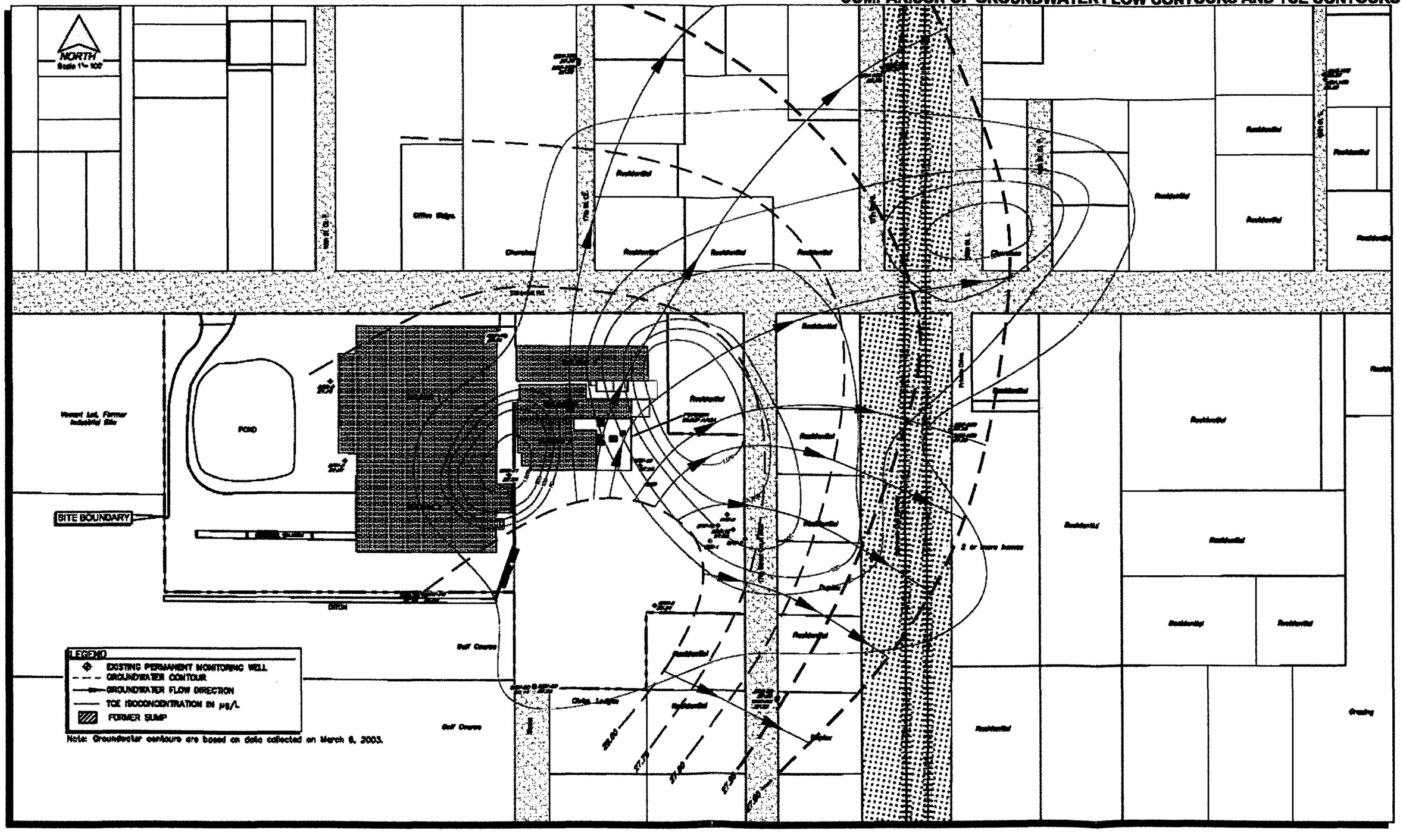
VOCs have impacted the SAS, which was encountered at depths ranging from approximately 2 to 4 feet bgs across the project area. The thickness of the shallow aquifer is approximately 30 to 40 feet. Analytical data suggest that VOCs have primarily migrated to the finer-grained zones of the SAS that begins at approximately 20 feet bgs. Due to the shallow water table and high density of the VOCs, very little VOC mass is expected to be present in the vadose zone or in the shallow portions of the SAS. Groundwater samples collected at the 10-foot depths confirmed that very low VOC concentrations are present in the upper portions of the aquifer.

Based on the iso-concentration maps, VOCs appear to be migrating in a general northeast direction which is parallel to the interpreted down-gradient groundwater flow path. While the plumes follow the overall down-gradient flow path, the plumes also pinch out in the northerly and southeasterly directions, which could be explained by local flow variations. As discussed in Section 4.1, groundwater mounding may be occurring in the vicinity of the golf course, which may explain the apparent radial groundwater flow regime. The identification of isolated "pockets" of higher VOC concentrations (for example, TT-HP30-D) may be the result of this shifting groundwater flow regime. Overall, the VOC iso-concentration maps match well with the interpreted groundwater flow contours – *see Figure 4-4*.

A landscaped pond is located at the west end of the former ABC property that probably serves as a recharge area during rain events. Based on the apparent presence of multiple recharge areas around the project area, continued groundwater monitoring is recommended to document how the groundwater flow regime fluctuates seasonally.

The lateral extent of VOCs exceeding GCTL screening levels is approximately 800 feet by 650 feet, which is primarily based on the TCE iso-concentration map. Available data indicate that no permitted wells screened in either the SAS or IAS are present in the vicinity of the known VOC plume – *see Section 2.2.2*. The closest production well to the site is located approximately $^1/_4$ mile northeast of the site. This well was drilled to a total depth of 805 feet bgs with the top 368 feet being cased. This well is screened within the Floridan Aquifer System, which has been reported at depths of 332 to 1715$^+$ feet bgs in the region (Southwest Florida Water Management District, January 1995).

FIGURE 4-4
COMPARISON OF GROUNDWATER FLOW CONTOURS AND TCE CONTOURS



Section 5
Summary

Tetra Tech has completed the contamination assessment program for Lockheed Martin's former ABC facility in Tallevast, Florida. The primary objective of this contamination assessment program was to delineate the extent of VOC-impacted groundwater. In addition, a site conceptual model was developed for the site that evaluates chemicals of concern, groundwater flow patterns, and potential VOC pathways – *see Section 4.5*.

Grab groundwater sampling was conducted to evaluate the lateral extent of VOCs identified at the site. Permanent point-of-compliance monitoring wells were installed at locations where grab samples identified VOCs below GCTLs. The purpose of these wells, in addition to several wells installed within the VOC plume, is to allow long-term monitoring of the VOC plume.

Data collected from the perimeter grab groundwater samples and the monitoring well samples show that the lateral extent of VOCs has been delineated both on-site and off-site. The perimeter monitoring wells reported non-detectable VOC concentrations in both the 10-foot and 20-foot samples. The following monitoring wells defined the lateral limits of the VOC plume:

- TT-MW5 and TT-MW6 to the west;
- TT-MW13 to the north;
- TT-MW14, TT-MW15, and TT-MW16 to the east / northeast (down-gradient);
- TT-MW9 to the southeast;
- TT-MW7 and TT-MW8 to the south.

Very low concentrations of TCE (1.9 µg/L) were reported in well DW-1, which is screened in the IAS. It is believed that the potential for impacts from the SAS is low, due to the occurrence of very dense cemented sands occurring from 30 to 40 feet bgs, and an underlying clay unit ("Venice Clay") that extends from approximately 40 to 85 feet bgs. Regionally, the Venice Clay serves as a confining or semi-confining unit that should inhibit the vertical migration of VOCs into the underlying IAS.

Data collected from the contamination assessment program will be used to evaluate appropriate remedial options, which will be outlined in a forthcoming Remedial Action Plan.

SECTION 9
REFERENCES

Section 6
References

1. Florida Department of Environmental Protection, Groundwater Permitting and Monitoring Requirements, Chapter 62-522, F.A.C., December 9, 1996.

2. Florida Department of Environmental Protection, Water Well Permitting and Construction Requirements, Chapter 62-532, F.A.C., December 9, 1996.

3. Florida Department of Environmental Protection, Petroleum Contamination Site Cleanup Criteria, Chapter 62-770, F.A.C., May 26, 1999.

4. Florida Department of Environmental Protection, Development of Soil Cleanup Criteria, Chapter 62-777, F.A.C., May 26, 1999.

5. Florida Department of Environmental Protection, Drinking Water Standards, Monitoring and Reporting, Chapter 62-550, F.A.C., August 1, 2000.

6. Freeze & Cherry, Groundwater. May 8, 1979.

7. Law Engineering and Environmental Services, Inc., Report of Phase I Environmental Site Assessment, WPI Beryllium, Sarasota, Florida, January 21, 2000.

8. Southwest Florida Water Management District, Final Report, ROMP TR7-2 ONECO Monitor Well Site, Manatee County, Florida, Drilling and Testing, January 1995.

9. Tetra Tech, Inc., Final Phase I Environmental Assessment, Former American Beryllium Company. February 7, 1997.

10. Tetra Tech, Inc., Final Preliminary Site Investigation Report, Former American Beryllium Company. October 20, 1997.

11. Tetra Tech, Inc., Contamination Discovery Report, Building #5, Former American Beryllium Company. July 7, 2000.

12. Tetra Tech, Inc., Contamination Assessment Report, Former American Beryllium Company. April 30, 2001.

13. Tetra Tech, Inc., Contamination Assessment Plan Addendum, Former American Beryllium Company, July 31, 2001.

14. Tetra Tech, Inc., Initial Remedial Action Report, Former American Beryllium Company, December 12, 2001.

15. Tetra Tech, Inc., Interim Data Report and Contamination Assessment Plan Addendum #2, Former American Beryllium Company, September 13, 2002.

APPENDIX A
FDEP
CORRESPONDENCE

Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

October 28, 2002

Gustave Effotte
Project Manager
Corporate Energy, Environment, Safety & Health
6801 Rockledge Drive MS DM 315
Bethesda, MD 20817

Re: **Final Report – Delineation of Petroleum Hydrocarbons in Soil Beneath Building 4 (August 8, 2002)** and **Interim Data Report and Contamination Assessment Plan Addendum #2 (September 13, 2002)**
Former American Beryllium Company, 1600 Tallevast Road, Manatee County

Dear Mr. Effotte,

The Florida Department of Environmental Protection (the Department) has received and reviewed the above referenced submittals. Thank you very much for submitting these items for review. The documents submitted do an excellent job of outlining tasks that have been performed or that are being proposed. While the Department generally agrees with the approach selected, several minor comments related to these two reports are as follows:

Final Report – Delineation of Petroleum Hydrocarbons in Soil Beneath Building 4

1.) Please note that this submittal has not been signed and sealed by a professional geologist or engineer as required by the Department, and by Chapters 471 and 492 of the Florida Statutes (F.S.). The document submitted will form the basis of an environmental assessment conclusion for this site and should be submitted under signature and seal. Please provide this document under signature and seal, as the Department cannot provide a response to a request for "no further action" for soils at this site using the current document.

2.) While the submittal was not under signature and seal, the Department does agree that the use of an institutional control for this portion of the site is an acceptable solution. This is primarily due to the fact that the TRPH contaminated soil is under the slab of an existing building, which is not scheduled for removal as part of the site work. The building slab would constitute an "engineering control" to prevent direct contact, and should be used in conjunction with the Deed restriction to ensure that the contaminated soil either remains in place or is properly handled should it be exposed. Please submit the draft Deed Restriction at your earliest convenience for Department review. An electronic submittal of the drafts should help speed up the review and revision process. Should you wish to provide an electronic submittal, please send it to me at michael.gonsalves@dep.state.fl.us.

Interim Data Report and Contamination Assessment Plan Addendum #2

Based on a review of this submittal, the Department generally agrees with the methods of additional data collection and the proposal to perform an interim groundwater treatment system, but has the following concerns:

1.) The Department believes that the plan for the completion of the delineation of the off site portion of the plume, outlined in Section 4, is acceptable.

2.) In Section 5, it should be noted that the direct push wells installed may not be well suited to the type of aquifer pump tests being conducted (step and constant rate). It is advisable to research the current ASTM standards related to using direct push wells for this purpose. At this time, the Department is only aware of ASTM D6724 (Standard Guide for Installation of Direct Push Ground Water Monitoring Wells) and ASTM D6725 (Standard Guide for Direct Push Installation of Pre-packed Screen Monitoring Wells in Unconsolidated Aquifers). Normally the Department would request that the step and constant rate tests be conducted in wells constructed by conventional means, and not wells that were installed by the direct push method. However, should information become available that there is similarity between the conventional and direct push well types for this activity, it will be considered. Without that information, the Department recommends that a conventionally installed 4-inch diameter recovery type well be installed, with adequate filter pack, and screened across the entire surficial zone. The direct push wells are adequate for assessment purposes.

3.) Also in this section, the Department notes that while the pump and treat technology appears reasonable for the known site conditions, it is noted that the vertical distribution of VOC's may also affect the choice of remedial alternatives. The highest TCE level appears to be at TT-HP15-D (4300 ug/L), at approximately 20 feet below land surface (ft bls). Since VOC's appear to be at lower levels closer to the groundwater table, the presence of Dense Non-Aqueous Phase Liquid (DNAPL) in and around the source area is a possibility. It is likely that the DNAPL, if present, is bound to the soil matrix rather than existing as a separate phase pool or streamer independent of the groundwater flow. If pump and treat is chosen for the final groundwater remediation alternative, the series of pump tests (step test and constant rate discharge) in two properly constructed recovery wells should be sufficient to establish the aquifer formation constants to allow the proper design of a remediation system with an adequate number of recovery wells. Options for surface discharge, such as an infiltration gallery, should be considered if an NPDES or POTW discharge permit is not obtainable. With the type of contaminants at this site, the design procedures and parameters needed for an air stripper and/or carbon adsorption system are well established and should not need an extensive pilot test phase. The Department recommends waiting until further assessment data is received before finalizing the sizing of the equipment, unless an additional remedial technology is being considered for the outer edges of the plume. If unusual lithology changes are observed during the off site investigation, it may be advisable to consider alternative technologies such as in-situ bioremediation or chemical oxidation, or expansion of the system to include the off site areas.

Please provide a response to the above comments within 45 days of letter receipt, or if you should have any questions, please contact me at (813) 744-6100 ext. 376.

Sincerely,

Michael Gonsaives
Professional Geologist II
Waste Cleanup Section
FDEP SWD

cc: Dan Batrack, Tetra Tech
Mark Stuckey, BWC
Paul Paneck, Manatee County Pollution Control

-340-

PERMIT NO. 02-255

APPENDIX "A"

MANATEE COUNTY RIGHT-OF-WAY UTILIZATION APPLICATION PERMIT

(Submit typewritten or printed in ink with two sets of plans)

APPLICATION

IMPORTANT: SEE INSTRUCTIONS AND CONDITIONS ON REVERSE OF THIS APPLICATION

Applicant's Name: Phil Skorge / Scott McGuire Firm Name: Tetra Tech, Inc

Address: ~~670 W R~~ 401 E. Ocean Blvd Long Beach ~~CA 90802~~ Phone No: 562-495-0495

Description of Proposed Work: Soil and groundwater sampling w/truck mounted Direct Push Technology Scheduled Start Date:

Construction/Installation Location: 1600 Tallevast Rd to 18th Street E ~~Entire 900 FT~~

Number and Type of Road Crossings:

✓ None _____ Open Cut (Paved) _____ Open Cut (Unpaved) _____ Bore/Jack

Letter of Notification sent to the following utility entities on (Indicate names of entities and dates notified)
Must be complete prior to submission.

Water Manatee County Public Works 12-2 Electric Florida Power and Light 12-2

~~Manatee County Public works~~ 12-2 Gas Peoples Gas 12-2 ID#

Telephone Verizon 12-2 Other Paragon Cable 12-2

NOTE: THE PERMITTEE MUST NOTIFY THE COUNTY ENGINEERING DEPARTMENT AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION (708-7486/1022 26th AVE E., BRADENTON, FL 34208)

DATE: 12/5/02 APPLICANT'S SIGNATURE Phil Skorge / Scott R. McGuire TITLE Senior Field Technician

By signing this application, the applicant confirms that he or she has legal authority to bind the firm and that the applicant and the firm agree to be bound by the instructions and conditions on the reverse side of this application.

THIS PERMIT MUST BE PROMINENTLY DISPLAYED ON THE JOB SITE UNTIL FINAL INSPECTION AND ACCEPTANCE

PERMIT - FOR OFFICE USE ONLY

Permit No 340-02-255 Fee: $ 125.00 District No: 1377

Extension Permit No: _____ Fee: $ _____ Receipt No(s): 22547

RIGHT-OF-WAY USE APPROVED ON 12-16-02 SUBJECT TO THE FOLLOWING REQUIREMENTS: _____

This Permit Expires on: 12-16-03 APPLICATION APPROVED BY: _____
For the County

PERMIT NO. 299-01-24

APPENDIX "A"
MANATEE COUNTY RIGHT-OF-WAY UTILIZATION APPLICATION PERMIT

(Submit typewritten or printed in ink with two sets of plans)

APPLICATION

IMPORTANT: SEE INSTRUCTIONS AND CONDITIONS ON REVERSE OF THIS APPLICATION

Applicant's Name: Phil Skorge Firm Name: TetraTech, Inc

Address: 670 N. Rosemead Blvd Phone No. 626-351-46664
Pasadena, CA 91107

Description of Proposed Work:

Installation of 8 monitoring wells Scheduled Start Date: Late Nov '01 - early De

Construction/Installation Location: 11600 Tallevast Rd Sarasota, CA

Number and Type of Road Crossings:

✓ None _____ Open Cut (Paved) _____ Open Cut (Unpaved) _____ Bore/Jack

Letter of Notification sent to the following utility entities on (Indicate names of entities and dates notified)
Must be complete prior to submission.

Water Manatee County Public Works 10-19 Electric Florida Power and Light 10-2

St Manatee County Public Works 10-19 Gas People's GAS 10-19 ID# _____

Telephone GTE 10-23 Other Comcast Cablevision 10-23

NOTE: THE PERMITTEE MUST NOTIFY THE COUNTY ENGINEERING DEPARTMENT AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION (708-7486/1022 26th AVE E., BRADENTON, FL 34208)

DATE: 10-19-01 APPLICANT'S SIGNATURE _____ TITLE: Project Manager

By signing this application, the applicant confirms that he or she has legal authority to bind the firm and that the applicant and the firm agree to be bound by the instructions and conditions on the reverse side of this application.

THIS PERMIT MUST BE PROMINENTLY DISPLAYED ON THE JOB SITE UNTIL FINAL INSPECTION AND ACCEPTANCE

PERMIT - FOR OFFICE USE ONLY

Permit No. 299-01-240 Fee: $ 125.00 District No: _____

Extension Permit No: _____ Fee: $ _____ Receipt No(s): 22743

RIGHT-OF-WAY USE APPROVED ON 10-29-01 SUBJECT TO THE FOLLOWING REQUIREMENTS: _____

This Permit Expires on: 10-29-2002 APPLICATION APPROVED BY _____ For the County

11-29-01

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

- [X] Southwest
- [ ] Northwest
- [ ] St. Johns River
- [ ] South Florida
- [ ] Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT. ADDRESS ON BACK OF PERMIT FORM.

THIS FORM ***MUST*** BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 03-69/681081.04

Florida Unique I.D.

Permit Stipulations Required (See attached)

39, 13

62-524 well [ ]

CUP/WUP Application No.

ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. WPI INC 1600 TALLAVAST ROAD, SARASOTA FL 34243 — KYLE WINKLER 941-320-3309
   Owner, Legal Name of Entity if Corporation — Address — City — Zip — Telephone Number

2. 1600 TALLAVAST ROAD, SARASOTA FL — 813-620-0040
   Well Location, Address, Road Name or Number, City

3. PATRICK THOMBERG — 923 — KE-620-1778
   Well Drilling Contractor — License No. — Telephone No.

   6501 E. BROADWAY AVE
   Address

   TAMPA FL 33619
   City — State — Zip

4. NE (smallest) 1/4 of NW (biggest) 1/4 of Section 31

   (Indicate Well on Chart)

NW	NE
X	
SW	SE

5. Township 35S Range 18E

6. MANATEE
   County — Subdivision Name — Lot — Block — Unit

7. Number of proposed wells 2 — Check the use of well: (See back of permit for additional choices) — Domestic — Monitor (type) FLEC

   Irrigation (type) (See Back) — Public Water Supply (type) (See Back) — List Other

   Distance from septic system N/A ft. — Description of facility INDUSTRIAL — Estimated start of construction date 2-18-03

8. Application for: X New Construction — Repair/Modify — Abandonment (Reason for Abandonment)

9. Estimated: Well Depth 10' — Casing Depth 7' — Screen Interval from 7' to 10'
   Casing Material: Blk Steel / Gal / PVC — Casing Diameter 2" — Seal Material FINE SAND

   If applicable: Proposed Grouting Interval — From 5' to 0' — Seal Material PORTLAND TYPE I
   From ___ to ___ Seal Material ___
   From ___ to ___ Seal Material ___

RECEIVED
FEB 18 2003
WELL PERMITTING

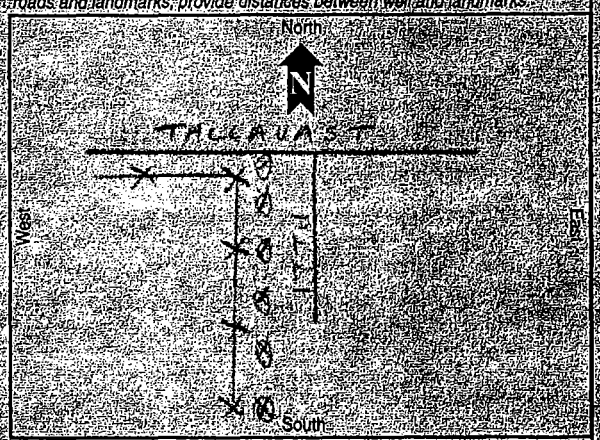
11. Telescope Casing ___ or Liner ___ (check one) Diameter ___
    Blk Steel / Galvanized / PVC — Other (specify)

12. Method of Construction: ___ Rotary ___ Cable Tool ___ Combination
    X Auger ___ Other (specify)

13. Indicate total No. of wells on site N/A — List number of unused wells on site N/A

14. Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? X No ___ Yes
    (If yes, complete the following) CUP/WUP No.
    District well I.D. No.
    Latitude ___ Longitude ___
    Data obtained from GPS ___ or map ___ or survey ___ (map datum NAD 27 ___ NAD 83 ___)

Draw a map of well location and indicate well site with an "X". Identify known roads and landmarks, provide distances between well and landmarks.



15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code, and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

   Signature of Contractor — License No. 923 — Owner's or Agent's Signature — Date 02-14-03

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

DO NOT WRITE BELOW THIS LINE — FOR OFFICIAL USE ONLY

Approval Granted By: ___ Issue Date: 2-20-2003 Hydrologist Approval ___ Initials

Owner Number: ___ Fee Received: $ 50.00 Receipt No.: 7039 Check No.: 1506

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. ***This permit is valid for 90 days from date of issue.***

FORM 41.10 — 410 (1) REV. 4/95

WHITE: ORIGINAL FILE
YELLOW: DRILLING CONTRACTOR
PINK: OWNER

Exp. 2-20-2003

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT # 03-110 / 68108 CUP/WUP # 06 DID # 4

If permit is for multiple wells, indicate the number of wells drilled 4

Indicate remaining wells to be cancelled 2

WATER WELL CONTRACTOR'S SIGNATURE _____ License # 9232

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:	1.25	8.5	0
Bentonite:	.25	9.0	8.5

WELL LOCATION: County MANATEE

NE 1/4 of NW 1/4 of Section 21 Twp: 35S Rge: 18E

Latitude _____ Longitude _____

DATE STAMP

Official Use Only

CHEMICAL ANALYSIS WHEN REQUIRED

Iron:____ ppm Sulfate:____ ppm

Chlorides:____ ppm

[ ] Lab Test [ ] Field Test Kit

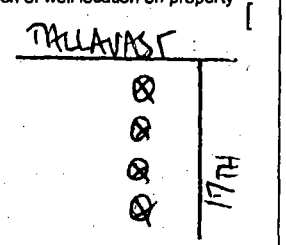
Pump Type

[ ] Centrifugal [ ] Jet [ ] Submersible [ ] Turbine

Horsepower _____ Capacity _____ G.P.M. _____

Pump Depth _____ Ft. Intake Depth _____ Ft.

Sketch of well location on property



Give distances from septic tank and house or other reference points

Form 41.10-410(2) Rev. 8/96

OWNER'S NAME WPI, INC

COMPLETION DATE 02-19-03 Florida Unique I.D. _____

WELL USE: DEP/Public ____ Irrigation ____ Domestic [illegible]

Monitor FUEL HRS Limited ____ 62-524 ____ Other ____

DRILL METHOD [ ] Rotary [ ] Cable Tool [ ] Combination

[ ] Jet [✓] Auger Other _____

Measured Static Water Level _____ Measured Pumping Water Level _____

After____ Hours at ____ G.P.M. Measuring Pt. (Describe): _____

Which is _____ Ft. [ ] Above [ ] Below Land Surface

Casing: [ ] Black Steel [ ] Galv. [✓] PVC Other _____

[ ] Open Hole [✓] Screen

Casing Diameter & Depth (Ft.)

Diameter 2" From 10 To 0

SCREEN

Diameter 2" From 20 To 10

Liner [ ] or Casing [ ] Diameter ____ From ____ To ____

Depth (Ft.) From	To	DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones. Color | Grain Size | Type of Material
0.0	10.0	DARK SI. SAND
10.0	20.0	DARK SI. SAND

Driller's Name: (print or type) MARK MURRAY

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

- [x] Southwest
- [ ] Northwest
- [ ] St. Johns River
- [ ] South Florida
- [ ] Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT. ADDRESS ON BACK OF PERMIT FORM.

THIS FORM *MUST* BE FILLED OUT COMPLETELY.
The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 03-11/681088-06
Florida Unique I.D.
Permit Stipulations Required (See attached) 39, 23
62-524 well ☐
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

KYLE WINKLER 941-355-3309
1. WPI, INC 1650 TALLAVAST ROAD, SARASOTA FL 34243
Owner, Legal Name of Entity if Corporation — Address — City — Zip — Telephone Number

2. 1650 TALLAVAST ROAD, SARASOTA FL
Well Location - Address, Road Name or Number, City

3. PATRICK THOMSEN 9232 813 620 1778
Well Drilling Contractor — License No. — Telephone No.

6501 EAST BROADWAY AVE
Address
TAMPA FL 33619
City — State — Zip

4. NE 1/4 of NW 1/4 of Section 31 (smallest) (biggest) (Indicate Well on Chart) NW NE SW SE
5. Township 35S Range 18E

6. MANATEE
County — Subdivision Name — Lot — Block — Unit

7. **Number of proposed wells** 6 **Check the use of well:** (See back of permit for additional choices) ___ Domestic ___ Monitor (type) FUEL
___ Irrigation (type) ___ Public Water Supply (type) ___ List Other ___
(See Back) (See Back)
Distance from septic system N/A ft. **Description of facility** INDUSTRIAL **Estimated start of construction date** 2-18-3

8. **Application for:** X New Construction ___ Repair/Modify ___ Abandonment ___ (Reason for Abandonment)

RECEIVED
FEB 18 2003
WELL PERMITTING
Date Stamp

9. **Estimated:** Well Depth 20 Casing Depth 10 Screen Interval from 10 to 20
Casing Material: Blk-Steel / Gal / (PVC) Casing Diameter 2 Seal Material FINE SAND

10. **If applicable: Proposed Grouting Interval** From 8.5 to 0 Seal Material PORTLAND TYPE I
From ___ to ___ Seal Material ___
From ___ to ___ Seal Material ___

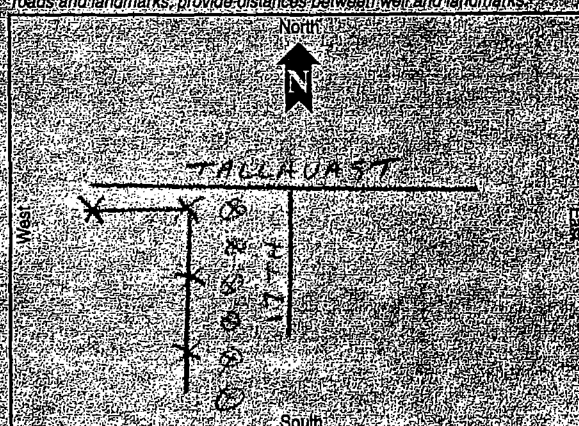
11. **Telescope Casing** ___ **or Liner** ___ (check one) Diameter ___
Blk-Steel / Galvanized / PVC Other (specify) ___

12. **Method of Construction:** ___ Rotary ___ Cable Tool ___ Combination
X Auger ___ Other (specify:) ___

13. **Indicate total No. of wells on site** N/A **List number of unused wells on site** N/A

14. **Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application?** X No ___ Yes
(If yes, complete the following) CUP/WUP No. ___
District well I.D. No. ___
Latitude ___ Longitude ___
Data obtained from GPS ___ or map ___ or survey ___ (*map datum NAD 27* ___ *NAD 83* ___)

Draw a map of well location and indicate well site with an "X". Identify known roads and landmarks; provide distances between well and landmarks.



15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code, and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

[signature] 9232 [signature] 02-14-03
Signature of Contractor — License No. — Owner's or Agent's Signature — Date

DO NOT WRITE BELOW THIS LINE — FOR OFFICIAL USE ONLY

Approval Granted By: [signature] Issue Date 2-20-2003 Hydrologist Approval ___ Initials
Owner Number: ___ Fee Received: $ 50.00 Receipt No. 7039 Check No. 1886

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. ***This permit is valid for 90 days from date of issue.***

WHITE: ORIGINAL FILE
YELLOW: DRILLING CONTRACTOR
PINK: OWNER

FORM 41.10 — 410 (1) REV. 4/95

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT # 03-109-68108L-06 WUP # _____ DID # _____

If permit is for multiple wells, indicate the number of wells drilled 4

Indicate remaining wells to be cancelled 2

WATER WELL CONTRACTOR'S SIGNATURE _____ License # 9232

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:	.25	.5	0
Bentonite:			

WELL LOCATION: County MANATEE

NE 1/4 of NW 1/4 of Section 31 Twp: 35S Rge: 18E

Latitude _____ Longitude _____

DATE STAMP

Official Use Only

CHEMICAL ANALYSIS WHEN REQUIRED

Iron:____ ppm Sulfate:____ ppm

Chlorides:____ ppm

[ ] Lab Test [ ] Field Test Kit

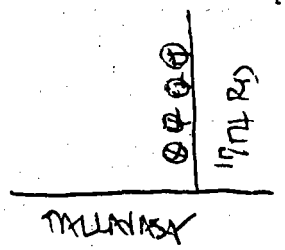
Pump Type

[ ] Centrifugal [ ] Jet [ ] Submersible [ ] Turbine

Horsepower _____ Capacity _____ G.P.M. _____

Pump Depth _____ Ft. Intake Depth _____ Ft.

Sketch of well location on property



Give distances from septic tank and house or other reference points

Form 41.10-410(2) Rev. 8/96

OWNER'S NAME WPI, INC

COMPLETION DATE 02-19-03 Florida Unique I.D. _____

WELL USE: DEP/Public ____ Irrigation ____ Domestic ____

Monitor N/A HRS Limited ____ 62-524 ____ Other ____

DRILL METHOD [ ] Rotary [ ] Cable Tool [ ] Combination

[ ] Jet [X] Auger Other _____

Measured Static Water Level ____ Measured Pumping Water Level ____

After____ Hours at ____ G.P.M. Measuring Pt. (Describe): _____

Which is ____ Ft. [ ] Above [ ] Below Land Surface

Casing: [ ] Black Steel [ ] Galv. [X] PVC Other _____

[ ] Open Hole [X] Screen / Casing Diameter & Depth (Ft.)	Depth (Ft.) From	To	DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones. Color | Grain Size | Type of Material
Diameter 2"	0	10	DRK ST. SAND
From 10.0			
To 01			
SCREEN			
Diameter 2"			
From 10.0			
To 1.0			
Liner [ ] or Casing [ ]			
Diameter ____			
From ____			
To ____			

Driller's Name: (print or type) MARK MURRAY

APPENDIX C
FOIL BORING
LOGS

TETRA TECH BORING LOG

BORING I.D. No. *HP-21*

CLIENT *Lockheed Martin* **T.C.** *11665-02* **LOCATION** *1600 Tallevast Rd.* **DATE** *2/17/02*

DRILL METHOD *Direct-Push* **AUGER DIAMETER** *2"* **FIELD GEOLOGIST** *Phil Skorge*

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0	NA	NA			SP	Asphalt
5	NA	NA				SAND: Light Tan, fine grained, well sorted, wet.
	NA	NA				Black, trace fines.
10	NA	NA				10% fines.
15	NA	NA				Tan Sand at 16-17 feet.
17.5	NA	NA			SC	CLAYEY SAND: Dark Brown, 30% fines, fine sand, moist.
					SP	SAND: Fine grained, well sorted.
20						TD=20 feet. Continuous core was taken from 4 to 20 feet. Ground water at 3.00feet. Bore hole back filled with bentonite. NA=Data not available or not applicable

REVIEWING GEOLOGIST *Gary Braganza* **SIGNATURE** _____ **REG. NO.** *1822*

TETRA TECH BORING LOG

BORING I.D. No. *HP-22*

CLIENT *Lockheed Martin* **T.C.** *11665-02* **LOCATION** *1600 Tallevast Rd.* **DATE** *12/17/02*

DRILL METHOD *Direct-Push* **AUGER DIAMETER** *2"* **FIELD GEOLOGIST** *Phil Skorge*

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0	NA	NA			SP	Unpaved surface
5	NA	NA				SAND: Light Tan, fine grained, well sorted, wet.
	NA	NA				Color change to black, trace fines.
10	NA	NA				10% fines.
15					SP-SM	SAND with SILT
	NA	NA				Color change to light yellowish brown.
20						TD=20 feet. Continuous core was taken from 4 to 20 feet. Ground water at 3.00feet. Bore hole back filled with bentonite. NA=Data not available or not applicable

REVIEWING GEOLOGIST *Gary Braganza* **SIGNATURE** _____ **REG. NO.** *1822*

TETRA TECH BORING LOG

BORING I.D. No. *HP-25*

CLIENT *Lockheed Martin* **T.C.** *11665-02* **LOCATION** *1600 Tallevast Rd.* **DATE** *12/17/02*

DRILL METHOD *Direct-Push* **AUGER DIAMETER** *2"* **FIELD GEOLOGIST** *Phil Skorge*

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0	NA	NA			SP	Unpaved surface
5	NA	NA				SAND: Light Tan, fine grained, well sorted, wet.
	NA	NA				Color change to black.
10	NA	NA				
15						
	NA	NA				Color change to brown.
20						TD=20 feet. Continuous core was taken from 4 to 20 feet. Ground water at 3.00feet. Bore hole back filled with bentonite. NA=Data not available or not applicable

REVIEWING GEOLOGIST *Gary Braganza* **SIGNATURE** _____ **REG. NO.** *1822*

TETRA TECH BORING LOG

BORING I.D. No. *HP-27*

CLIENT *Lockheed Martin* **T.C.** *11665-02* **LOCATION** *1600 Tallevast Rd.* **DATE** *12/18/02*

DRILL METHOD *Direct-Push* **AUGER DIAMETER** *2"* **FIELD GEOLOGIST** *Phil Skorge*

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0	NA	NA			SP	Unpaved surface
5	NA	NA				SAND: Light Tan, fine grained, well sorted, wet.
7.5	NA	NA				Color change to black.
10	NA	NA				
12.5						
15						Same, medium grained sand.
17.5						
	NA	NA				10% silt
20						TD=20 feet.Continuous core was taken from 4 to 20 feet Ground water at 3.00feet. Bore hole back filled with bentonite. NA=Data not available or not applicable

REVIEWING GEOLOGIST *Gary Braganza* **SIGNATURE** _____ **REG. NO.** *1822*

TETRA TECH BORING LOG

BORING I.D. No. *HP-28*

CLIENT *Lockheed Martin* **T.C.** *11665-02* **LOCATION** *1600 Tallevast Rd.* **DATE** *12/18/02*

DRILL METHOD *Direct-Push* **AUGER DIAMETER** *2"* **FIELD GEOLOGIST** *Phil Skorge*

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0	NA	NA			SP	Unpaved surface
2.5						
5	NA	NA				SAND: Light Tan, fine grained, well sorted, wet.
7.5						
10	NA	NA				
12.5	NA	NA				Color change to black.
15						Same, medium grained sand.
17.5						
20	NA	NA				Color change to dark brown.

TD=20 feet.Continuous core was taken from 4 to 20 feet Ground water at 3.00feet. Bore hole back filled with bentonite. NA=Data not available or not applicable

REVIEWING GEOLOGIST *Gary Braganza* **SIGNATURE** _____ **REG. NO.** *1822*

TETRA TECH BORING LOG

BORING I.D. No. HP-34

CLIENT Lockheed Martin **T.C.** 11665-02 **LOCATION** 1600 Tallevast Rd. **DATE** 12/17/02

DRILL METHOD Direct-Push **AUGER DIAMETER** 2" **FIELD GEOLOGIST** Phil Skorge

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0	NA	NA			SP	Unpaved surface
2.5						
5	NA	NA				SAND: Tan, fine grained, well sorted, medium dense, wet.
7.5						
10	NA	NA				Color change to black.
12.5						
15						Same, medium grained sand trace fines.
17.5						
20	NA	NA			SM	SILTY SAND: Tan, 20% fine sand, wet.

TD=20 feet.Continuous core was taken from 4 to 20 feet Ground water at 3.00feet. Bore hole back filled with bentonite. NA=Data not available or not applicable

REVIEWING GEOLOGIST Gary Braganza **SIGNATURE** _____ **REG. NO.** 1822

TETRA TECH BORING LOG

BORING I.D. No. HP-36

CLIENT Lockheed Martin **T.C.** 11665-02 **LOCATION** 1600 Tallevast Rd. **DATE** 12/17/02

DRILL METHOD Direct-Push **AUGER DIAMETER** 2" **FIELD GEOLOGIST** Phil Skorge

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0	NA	NA			SP	Unpaved surface
5	NA	NA				SAND: Tan, fine grained, well sorted, medium dense, wet.
10	NA	NA				Color change to black, fine sand.
15						Same, medium grained sand trace fines.
20	NA	NA			SM	SILTY SAND: Tan, 30% fine sand, wet.
						TD=20 feet.Continuous core was taken from 4 to 20 feet Ground water at 3.00feet. Bore hole back filled with bentonite. NA=Data not available or not applicable

REVIEWING GEOLOGIST Gary Braganza **SIGNATURE** _____ **REG. NO.** 1822

TETRA TECH BORING LOG

BORING I.D. No. HP-29

CLIENT Lockheed Martin **T.C.** 11665-02 **LOCATION** 1600 Tallevast Rd. **DATE** 12/18/02

DRILL METHOD Direct-Push **AUGER DIAMETER** 2" **FIELD GEOLOGIST** Phil Skorge

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0	NA	NA			SP	Unpaved surface
5	NA	NA				SAND: Light Brown, fine grained, well sorted, wet.
	NA	NA				Color change to black.
10	NA	NA				10% fines.
						Color change to light brown.
15						Same, medium grained sand.
	NA	NA				No sample recovery from 16 to 20 feet. No sample at 20 feet
20						TD=20 feet.Continuous core was taken from 4 to 16 feet Ground water at 3.00feet. Bore hole back filled with bentonite. NA=Data not available or not applicable

REVIEWING GEOLOGIST Gary Braganza **SIGNATURE** _____ **REG. NO.** 1822

TETRA TECH BORING LOG

BORING I.D. No. *DW-1*

CLIENT *Lockheed Martin* **T.C.** *11665-02* **LOCATION** *1600 Tallevast Rd.* **DATE** *1-15-02*

DRILL METHOD *Mud Rotary* **AUGER DIAMETER** *8-10"* **FIELD GEOLOGIST** *Skip Villain court*

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0	NA	NA			SP	Asphalt
2.5						
5	1/2/4	NA				SAND: Tan, medium to fine grained, angular to sub- angular, well sorted, wet.
7.5						
10	3/4/6	NA				SAND: Dark Gray, medium to fine grained, angular, well sorted
12.5						
15	3/2/2	NA				SAND: Dark Brown, fine grained, angular, well sorted.
17.5					SM	
20	1/2/4	NA				SAND with SILT and CLAY: Dark Brown

REVIEWING GEOLOGIST *Gary Braganza* **SIGNATURE** _____ **REG. NO.** *1822*

TETRA TECH BORING LOG

BORING I.D. No. *DW-1*

CLIENT *Lockheed Martin* **T.C.** *11665-02* **LOCATION** *1600 Tallevast Rd.* **DATE** *1-15-02*

DRILL METHOD *Mud Rotary* **AUGER DIAMETER** *8-10"* **FIELD GEOLOGIST** *Skip Villain court*

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
22.5						
25	6/14/15	NA				SAND with SILT and CLAY: Tan
27.5					SP	
30	50 for 4"	NA				SAND: Cemented with phosphate, very dense.
32.5						
35	50 for 3"	NA				SAND: Cemented with clay and limestone fragments, very dense.
37.5					CL	
40	50 for 2"	NA				CLAY: Gray, with limestone and shell fragments

REVIEWING GEOLOGIST *Gary Braganza* **SIGNATURE** _____ **REG. NO.** *1822*

TETRA TECH BORING LOG

BORING I.D. No. *DW-1*

CLIENT *Lockheed Martin* **T.C.** *11665-02* **LOCATION** *1600 Tallevast Rd.* **DATE** *1-15-02*

DRILL METHOD *Mud Rotary* **AUGER DIAMETER** *8-10"* **FIELD GEOLOGIST** *Skip Villain court*

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
42.5						
45	7/7/10	NA			CL	CLAY: Gray- green.
47.5						
50	9/9/16	NA				CLAY: Gray-green.
52.5						
55	5/7/9	NA				CLAY: Gray-green.
57.5						
60	3/7/11	NA				CLAY: Gray-green.

REVIEWING GEOLOGIST *Gary Braganza* **SIGNATURE** _____ **REG. NO.** *1822*

TETRA TECH BORING LOG

BORING I.D. No. *DW-1*

CLIENT *Lockheed Martin* **T.C.** *11665-02* **LOCATION** *1600 Tallevast Rd.* **DATE** *1-15-02*

DRILL METHOD *Mud Rotary* **AUGER DIAMETER** *8-10"* **FIELD GEOLOGIST** *Skip Villain court*

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
62.5						
65	7/10/15	NA				CLAY: Gray-green.
67.5					SP	
70	50 for 3"	NA				SAND: Cemented, very dense.
72.5					CL	
75	42/28/35	NA				CLAY:Light gray
77.5						
80	11/11/16	NA				CLAY: Light gray.

REVIEWING GEOLOGIST *Gary Braganza* **SIGNATURE** _____ **REG. NO.** *1822*

TETRA TECH BORING LOG

BORING I.D. No. *DW-1*

CLIENT *Lockheed Martin* **T.C.** *11665-02* **LOCATION** *1600 Tallevast Rd.* **DATE** *1-15-02*

DRILL METHOD *Mud Rotary* **AUGER DIAMETER** *8-10"* **FIELD GEOLOGIST** *Skip Villain court*

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
82.5						
85	50 for 1"	NA				NO Recovery. BEDROCK?
87.5						
90	50 for 4"	NA				Limestone, fractured
92.5					CL	
95	32/36/28	NA				CLAY: Light gray.
97.5						
100	50 for 5"	NA				CLAY: Light Gray.
102.5						

REVIEWING GEOLOGIST *Gary Braganza* **SIGNATURE** _____ **REG. NO.** *1822*

TETRA TECH BORING LOG

BORING I.D. No. *DW-1*

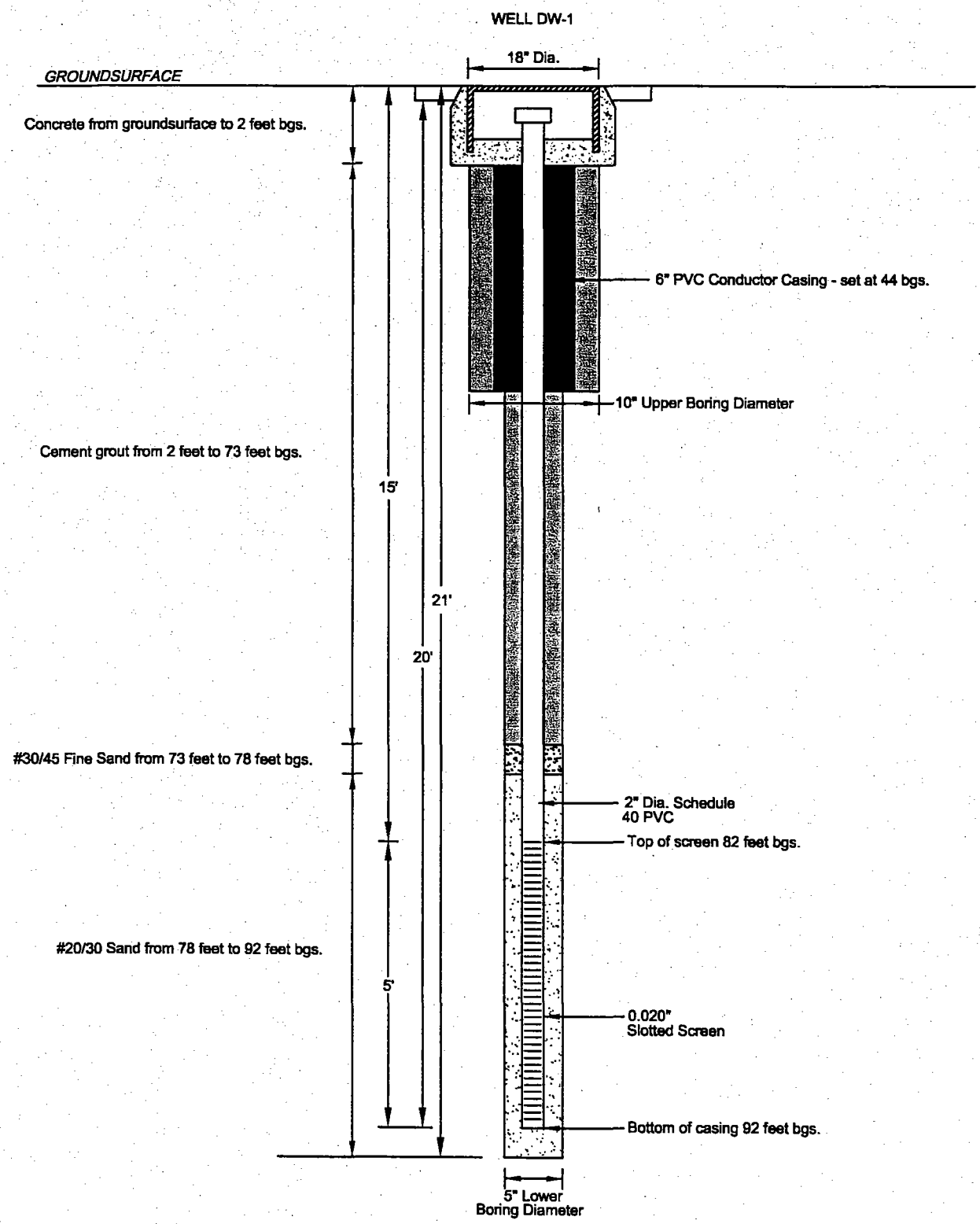
CLIENT *Lockheed Martin* **T.C.** *11665-02* **LOCATION** *1600 Tallevast Rd.* **DATE** *1-15-02*

DRILL METHOD *Mud Rotary* **AUGER DIAMETER** *8-10"* **FIELD GEOLOGIST** *Skip Villain court*

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
105						TD=105 feet. Borehole converted to 4" monitoring well after drilling and soil sampling. NA= Data not available or not applicable
107.5						
110						
112.5						
115						
117.5						
120						
122.5						

REVIEWING GEOLOGIST *Gary Braganza* **SIGNATURE** _____ **REG. NO.** *1822*

DW-1
GROUNDWATER MONITORING WELL CONSTRUCTION DETAIL



Posed2396/D: /Cad4/F: /Projects/11665/11665WellDetail.dwg

LAW
ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

SOIL TEST BORING FIELD REPORT

JOB NO.: _____ DRILLER: _____ BORING NO.: _____
JOB NAME: _____ LOGGED BY: _____ GROUND SURFACE ELEV.: _____
DATE: _____ WEATHER: _____ HOURS MOVING: _____
PAGE _____ OF _____

SAMPLING NO.	DEPTH	"N" 1ST 6"	"N" 2ND 6"	"N" 3RD 6"	SCALE 0	UD	REC	SOIL CLASSIFICATION	REMARKS
1	0/1.5	1							
2	1.5/3.0								
3	4.0/5.5	1	2	2	5'			TASA	
4	6.5/8.0	3							
5	9.0/10.5	3	4	6	10'			DK GRY SA	
6	14.0/15.5	3	2	2	15'			BRN SA	
7	19.0/20.5	1	2	4	20'			BRN SLCL SA	
8	24.0/25.5	6	4	15	25'			TA SL CL SA	TIME DRILL W/ 1 7/8" BIT
		50/4"						Cemented SA w/ Phosphate	32
9	29.0/30.5				30'				33 9 min 31 sec 34 8 min 28 sec 35 11 min 44 sec 36 11 min 48 sec 37 14 min 01 sec
		50/3"						Cemented SA CL w/ LS Fragments	38 13 min 58 sec 39 6 min 8 sec 40 4 min 31 sec 41 6 min 30 sec 42 5 min 09 sec
10	34.0/35.5				35'				
	39.0/40.5	34	50/2"		40'			GRY CL w/ LS & Shell	43 11 min 44 sec 44 7 min 23 sec

BORING TERMINATED: _____
BORING REFUSAL: _____
WATER TABLE TOB DEPTH: _____
WATER 24 HR. DEPTH: _____
WATER LOSSES: _____

METHOD OF ADVANCING BORING	DEPTH
POWER AUGER	TO
HAND CHOP: W/MUD: W/WATER	TO
ROTARY DRILL: W/MUD: W/WATER	TO
DIAMOND CORE	

LAW
ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

SOIL TEST BORING FIELD REPORT

JOB NO.: _____ DRILLER: _____ BORING NO.: _____

JOB NAME: _____ LOGGED BY: _____ GROUND SURFACE ELEV.: _____

DATE: _____ WEATHER: _____ HOURS MOVING: _____

PAGE _____ OF _____

SAMPLING NO.	DEPTH	"N" 1ST 6"	"N" 2ND 6"	"N" 3RD 6"	SCALE 0	UD	REC	SOIL CLASSIFICATION	REMARKS
1	~~4.0/5.5~~ 4/5.5	11	11	16				LT GRY CL	
									82' HARDER DRILLING
2	~~1.5/3.0~~ 84/85.5	50/1"						NO RECOVERY	
3	~~4.0/5.5~~ 89/90.5	50/4"			5'			LS	
4	~~6.5/8.0~~ 94/95.5	32	36	28				LT GRY CL	
									96' HARD
5	~~9.0/10.5~~ 99/100.5	50/5"			10'			LT GRY CL	
6	14.0/15.5				15'				
	19.0/20.5				20'				
8	24.0/25.5				25'				
9	29.0/30.5				30'				
10	34.0/35.5				35'				
	39.0/40.5				40'				

BORING TERMINATED: _____

BORING REFUSAL: _____

WATER TABLE TOB DEPTH: _____

WATER 24 HR. DEPTH: _____

WATER LOSSES: _____

METHOD OF ADVANCING BORING	DEPTH
POWER AUGER	TO
HAND CHOP: W/MUD: W/WATER	TO
ROTARY DRILL: W/MUD: W/WATER	TO
DIAMOND CORE	TO

KB LABS, INC.
6821 Southwest Archer Road
Gainesville, Florida 32608
***Telephone* (352) 367-0073**
***Fax* (352) 367-0074**
Email: *info@kbmobilelabs.com*

January 16, 2003

Phil Skorge
401 E. Ocean Blvd, Suite 810
Long Beach, CA 90802

RE: Former American Beryllium Company, Tallevast, Florida - Final Data Report
KB Labs Project # 02-122-1

Dear Mr. Skorge:

Enclosed is the final report of the on-site analysis performed by KB Labs, Inc. at the above referenced site. Samples were collected and analyzed December 17 through 19, 2002. Included are a brief project narrative, a data report narrative, tables listing quality control results, the final analytical results, and sample chain-of-custody forms. This information will also be sent electronically.

KB Labs is approved as a mobile laboratory for volatiles analyses and operates under an FDEP approved Comprehensive Quality Assurance Plan (CompQAP #980029 Revision 3). Unless otherwise stated in our CompQAP under method modifications, all data for the site referenced above were determined in accordance with published procedures under Test Methods for Evaluating Solid Waste (EPA SW-846, Update III Revised May 1997). Unless otherwise indicated on the quality control narrative accompanying the data report, the quality assurance and quality control procedures performed in conjunction with analysis of groundwater samples demonstrated that the reported data met our CompQAP requirements for accuracy and precision.

If you have any questions, please do not hesitate to call Todd Romero, Director of Operations, or Kelly Bergdoll, President, at (352) 367-0073.

Sincerely,

KB Labs, Inc.

Chris Horrell
Data Specialist

"KB Labs is a small, woman-owned business enterprise."

KB LABS, INC.

PROJECT NARRATIVE

Client:	TtNUS	**Driller/Sampler:**	Ground Water Protection	**Analyst:**	Yael Hoogland
Site:	Former American Beryllium Company	**KB Labs Project Manager:**	Kelly Bergdoll	**KB Labs Project #:**	02-122-1
Onsite Dates:	12/17/02-12/19/02	**Client Project Manager:**	Phil Skorge	**Matrix:**	Water

Project Scope

During December 17 through 19, 2002, a total of 30 water samples were analyzed for TtNUS at the former American Beryllium Company in Tallevast, FL. All water samples were analyzed for Benzene, Ethylbenzene, Toluene, Xylenes, Methyl tert-butyl ether (MtBE), Naphthalene, Acetone, Acrylonitrile, Acrolein, Bromobenzene, Bromodichloromethane, Bromoform, Bromomethane, n-Butylbenzene, Carbon Disulfide, Carbon Tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, 2-Chlorotoluene, 4-Chlorotoluene, Dibromochloromethane, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, Dibromomethane, 1,2-Dichloropropane, 1,3-Dichloropropane, 2,2-Dichloropropane, 1,1-Dichloropropene, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Dichlorodifluoromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, Cis-1,2-Dichlorothene, Trans-1,2-Dichloroethene, Hexachlorobutadiene, 2-Hexanone, Isopropylbenzene, p-Isopropyltoluene, Methylene Chloride, Methylethylketone, 4-Methyl-2-Pentanone, n-Propylbenzene, Styrene, sec-Butylbenzene, tert-Butylbenzene, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethene, Trichlorofluoromethane, 1,2,3-Trichloropropane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Vinyl Acetate, and Vinyl Chloride.

Analytical Procedure

All water samples were analyzed using SW846 Method 5030/8260 for waters. Ten (10) milliliters (mL) of water were purged with helium and the volatile organic compounds (VOCs) were collected on a solid-phase adsorption trap. The adsorption trap was heated and back-purged with helium and the components were separated by capillary column gas chromatography and measured with a mass spectrometer (GC/MS) operated in the electron impact full-scan mode. The individual VOCs in the samples were measured against corresponding VOC standards.

Analytical Results

Laboratory results were provided to the client on an as-completed or next-day basis. Final results of the on-site analyses are provided in a hardcopy report. The data produced and reported

in the field has been reviewed and approved for this final report by the Director of Operations for KB Labs.

Quality Control (QC) Data

Surrogate Recoveries – Table 1 lists the daily analytical sequence and percent recovery results for surrogate compounds, which were added to all analyses. Four (4) surrogate compounds were added to each analysis in order to continually monitor general method performance.

VOC Spike Recoveries – Table 2 lists the percent recovery results for matrix spike and laboratory control samples. A known amount of each target compound was added to selected field samples and to laboratory reagent water in order to monitor the performance of each of the target compounds in the actual matrix and in laboratory reagent water.

Method Blanks – Daily analysis of laboratory reagent water samples was performed in order to monitor the cleanliness of the analytical system.

Signature: _____ Date: Jan. 16, 2003
Title: Data Specialist

KB LABS, INC.

DATA REPORT NARRATIVE

Client:	TtNUS	**Driller/Sampler:**	Ground Water Protection	**Analyst:**	Yael Hoogland
Site:	Former American Beryllium Company	**KB Labs Project Manager:**	Kelly Bergdoll	**KB Labs Project #:**	02-122-1
Onsite Dates:	12/17/02-12/19/02	**Client Project Manager:**	Phil Skorge	**Matrix:**	Water

1. All samples have been reviewed and, if required, updated in the Final Data Report for rounding and significant figures.

2. Two analytes on the full 8260 list were not analyzed. Bromochloromethane is a component in the Internal Standard/Surrogate solution and cannot be quantitated as an analyte. Bromochloromethane results have been deleted from the Final Data Table. 2-chloroethylvinylether cannot be analyzed for reliably due to its instability.

3. The following samples had a result changed from "less than the reporting limit" to a result greater than the reporting limit.

Sample ID	Analyte	Preliminary Result	Final Result
TT HP17-20'	bromomethane	<1.0 ug/L	1.2 ug/L
TT HP27-10'	methylethylketone	<10.0 ug/L	10.0 ug/L
TT HP29-10'	methylethylketone	<10.0 ug/L	10.6 ug/L
TT HP22-20'	methylethylketone	<10.0 ug/L	10.0 ug/L
TT HP23-20'	carbon disulfide	<5 ug/L	9.9 ug/L

4. The Reporting Limits (RL) were changed for the following analytes:

Analyte	Preliminary RL(ug/L)	Final RL(ug/L)
1,1,1,2-tetrachloroethane	1.0	5.0
1,2-dibromo-3-chloropropane	1.0	5.0
1,2,4-trichlorobenzene	1.0	5.0
hexachlorobutadiene	1.0	5.0
naphthalene	1.0	5.0
1,2,3-trichlorobenzene	1.0	5.0
acrolein	10.0	25.0

5. The sample with ID **MW4** in the Preliminary Data Results was changed to **TT MW4** to agree with the Chain-of-Custody.

6. The following samples had a preliminary result changed to a value less than the Reporting Limit:

Sample ID	Analyte	Preliminary Result	Final Result
TT HP26-10'	naphthalene	1.6 ug/L	<5 ug/L
TT HP22-20'	carbon disulfide	9.92 ug/L	<5 ug/L
TT HP24-10'	methylethylketone	9.30 ug/L	<10 ug/L

Signature: Cl Hoel

Title: Data Specialist

Date: Jan 16, 2003

KB LABS, INC.

Table 1: Analytical Run Sequence/Surrogate Percent Recoveries

Client: Tetra Tech NUS	**Driller/Sampler**: GPI	**Analyst:** Yael Hoogland
Site: Former American Beryllium Company	**KB Labs Project Manager**: Kelly Bergdoll	**KB Labs Project No:** 02-122-1
On-site Dates: 12/17/02-12/19/02	**Client Project Manager**: Phil Skorge	**Matrix:** Water

Sample ID	Date of Analysis	Surrogate % Recovery				Surrogate Control Limits: 80%(LCL) to 120%(UCL)			
		S1*	S2*	S3*	S4*	S1*	S2*	S3*	S4*
VSTD01/5	12/14/02	93	94	104	92	Pass	Pass	Pass	Pass
VSTD05/25	12/14/02	106	95	100	97	Pass	Pass	Pass	Pass
VSTD10/50	12/14/02	105	98	99	98	Pass	Pass	Pass	Pass
VSTD20/100	12/14/02	100	100	100	100	Pass	Pass	Pass	Pass
VSTD100/500	12/14/02	94	101	98	102	Pass	Pass	Pass	Pass
REF	12/14/02	106	101	99	98	Pass	Pass	Pass	Pass
BLANK	12/14/02	106	100	101	95	Pass	Pass	Pass	Pass
VSTD20	12/17/02	82	97	107	97	Pass	Pass	Pass	Pass
BLANK	12/17/02	96	95	103	92	Pass	Pass	Pass	Pass
TT-HP21-10	12/17/02	95	96	104	92	Pass	Pass	Pass	Pass
TT-HP21-20	12/17/02	105	100	100	92	Pass	Pass	Pass	Pass
TT-HP23-10	12/17/02	92	94	103	91	Pass	Pass	Pass	Pass
TT-HP22-10	12/17/02	94	96	104	92	Pass	Pass	Pass	Pass
REF	12/17/02	92	99	101	96	Pass	Pass	Pass	Pass
BLANK	12/17/02	107	101	102	93	Pass	Pass	Pass	Pass
TT-HP24-10	12/17/02	90	96	102	93	Pass	Pass	Pass	Pass
TT-HP24-20	12/17/02	100	98	100	90	Pass	Pass	Pass	Pass
TT-HP25-20	12/17/02	93	97	102	93	Pass	Pass	Pass	Pass
TT-HP25-10	12/17/02	103	100	102	93	Pass	Pass	Pass	Pass
TT-HP26-10	12/17/02	86	95	106	94	Pass	Pass	Pass	Pass
TT-HP26-20	12/17/02	100	99	104	93	Pass	Pass	Pass	Pass
TT-HP24-10MS	12/17/02	100	105	101	97	Pass	Pass	Pass	Pass
TT-HP24-10MSD	12/17/02	104	107	102	98	Pass	Pass	Pass	Pass
CCS	12/17/02	106	107	100	102	Pass	Pass	Pass	Pass
BLANK	12/17/02	106	103	100	95	Pass	Pass	Pass	Pass
BFB	12/18/02	88	94	98	84	Pass	Pass	Pass	Pass
VSTD20	12/18/02	90	95	101	93	Pass	Pass	Pass	Pass
BLANK	12/18/02	100	97	100	91	Pass	Pass	Pass	Pass
LCS	12/18/02	86	95	97	96	Pass	Pass	Pass	Pass
TT-HP27-10	12/18/02	89	97	103	92	Pass	Pass	Pass	Pass
TT-HP27-20	12/18/02	102	99	99	91	Pass	Pass	Pass	Pass
TT-HP28-20	12/18/02	89	96	102	91	Pass	Pass	Pass	Pass
TT-HP28-10	12/18/02	99	99	98	91	Pass	Pass	Pass	Pass
TT-HP29-10	12/18/02	98	96	101	90	Pass	Pass	Pass	Pass
TT-HP29-20	12/18/02	96	99	99	91	Pass	Pass	Pass	Pass
TT-HP29-10MS	12/18/02	95	103	99	97	Pass	Pass	Pass	Pass
TT-HP29-10MSD	12/18/02	100	102	99	94	Pass	Pass	Pass	Pass
TT-HP29-20 1:5	12/18/02	103	102	98	92	Pass	Pass	Pass	Pass

***Surrogate Compounds:**
S1 = 1,2- Dichloroethane-D4
S2 = 1,2-Difluorobenzene
S3 = Toluene-D8
S4 = 4-Bromofluorobenzene

KB LABS, INC.

Table 1: Analytical Run Sequence/Surrogate Percent Recoveries

Client: Tetra Tech NUS	**Driller/Sampler**: GPI	**Analyst:** Yael Hoogland
Site: Former American Beryllium Company	**KB Labs Project Manager**: Kelly Bergdoll	**KB Labs Project No:** 02-122-1
On-site Dates: 12/17/02-12/19/02	**Client Project Manager**: Phil Skorge	**Matrix:** Water

Sample ID	Date of Analysis	Surrogate % Recovery				Surrogate Control Limits: 80%(LCL) to 120%(UCL)			
		S1*	S2*	S3*	S4*	S1*	S2*	S3*	S4*
TT-HP18-20 1:10	12/18/02	84	93	99	91	Pass	Pass	Pass	Pass
TT-HP20-20 1:20	12/18/02	94	97	98	91	Pass	Pass	Pass	Pass
TT-HP1720	12/18/02	100	98	97	91	Pass	Pass	Pass	Pass
TT-MW4	12/18/02	105	100	95	91	Pass	Pass	Pass	Pass
TT-HP3-20 1:5	12/18/02	100	100	98	90	Pass	Pass	Pass	Pass
TT-HP23-20	12/18/02	104	101	96	89	Pass	Pass	Pass	Pass
TT-HP22-20	12/18/02	105	101	96	93	Pass	Pass	Pass	Pass
TT-HP18-20 1:50	12/18/02	105	103	98	94	Pass	Pass	Pass	Pass
CCS	12/18/02	105	107	97	98	Pass	Pass	Pass	Pass
BLANK	12/18/02	108	104	95	93	Pass	Pass	Pass	Pass
VSTD20	12/19/02	83	96	101	93	Pass	Pass	Pass	Pass
REF	12/19/02	92	100	100	95	Pass	Pass	Pass	Pass
BLANK	12/19/02	101	100	98	91	Pass	Pass	Pass	Pass
TT-HP30-10	12/19/02	102	101	98	92	Pass	Pass	Pass	Pass
TT-HP30-20 1:20	12/19/02	102	101	98	91	Pass	Pass	Pass	Pass
TT-HP31-10	12/19/02	104	100	99	92	Pass	Pass	Pass	Pass
TTHP31-20	12/19/02	105	103	98	93	Pass	Pass	Pass	Pass
TTHP19-20 1:50	12/19/02	109	100	98	91	Pass	Pass	Pass	Pass
TTHP5-20 1:10	12/19/02	108	104	97	89	Pass	Pass	Pass	Pass
TTHP15-20 1:50	12/19/02	99	102	98	92	Pass	Pass	Pass	Pass
TTHP28-10MS	12/19/02	89	104	100	96	Pass	Pass	Pass	Pass
TTHP28-10MSD	12/19/02	105	106	97	96	Pass	Pass	Pass	Pass
CCS	12/19/02	90	102	101	96	Pass	Pass	Pass	Pass
BLANK	12/19/02	112	105	99	93	Pass	Pass	Pass	Pass
Comments:	Although some surrogates may be out of the control percent recovery range (80% to 120%), other supporting QC, such as matrix spikes, matrix spike duplicates, method blanks, and laboratory control samples, are performed by KB Labs to further validate reported data.								

Signature: _____

Title: Data Specialist

Date: Jan. 16, 2003

***Surrogate Compounds:**
S1 = 1,2- Dichloroethane-D4
S2 = 1,2-Difluorobenzene
S3 = Toluene-D8
S4 = 4-Bromofluorobenzene

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech NUS	**Driller/Sampler**: GPI	**Analyst:** Yael Hoogland
Site: Former American Bereyllium Company	**KB Labs Project Manager:** Kelly Bergdoll	**KB Labs Project No.:** 02-122-1
On-site Dates: 12/17/02-12/19/02	**Client Project Manager:** Phil Skorge	**Matrix**: Water

Matrix Spike/Matrix Spike Duplicate (MS/MSD):

Samples: TT HP24-10MS
TT HP24-10MSD

Date of Analysis: 12/17/2002

Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks		
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD
dichlorodifluoromethane	70	130	20	104	111	6	Pass	Pass	Pass
chloromethane	70	130	20	96	104	8	Pass	Pass	Pass
Vinyl Chloride	46	140	20	70	75	7	Pass	Pass	Pass
bromomethane	70	130	20	63	62	3	< LCL	< LCL	Pass
chloroethane	70	130	20	138	142	3	> UCL	> UCL	Pass
Trichlorofluoromethane	70	130	20	95	100	5	Pass	Pass	Pass
Methylene Chloride	70	130	20	100	100	0	Pass	Pass	Pass
2,2-Dichloropropane	70	130	20	91	102	11	Pass	Pass	Pass
chloroform	70	130	20	102	105	3	Pass	Pass	Pass
Carbon tetrachloride	70	130	20	94	96	3	Pass	Pass	Pass
1,1-dichloropropene	70	130	20	100	103	2	Pass	Pass	Pass
1,2-Dichloroethane	70	130	20	101	106	5	Pass	Pass	Pass
1,2-Dichloropropane	70	130	20	105	111	6	Pass	Pass	Pass
Bromodichloromethane	70	130	20	96	102	6	Pass	Pass	Pass
Dibromomethane	70	130	20	104	110	6	Pass	Pass	Pass
cis-1,3-Dichloropropene	70	130	20	95	98	3	Pass	Pass	Pass
trans-1,3-Dichloropropene	70	130	20	82	85	4	Pass	Pass	Pass
1,1,2-Trichloroethane	70	130	20	98	102	3	Pass	Pass	Pass
1,3-Dichloropropane	70	130	20	98	102	5	Pass	Pass	Pass
1,2-Dibromoethane	70	130	20	94	97	3	Pass	Pass	Pass
Dibromochloromethane	70	130	20	93	97	4	Pass	Pass	Pass
chlorobenzene	70	130	20	99	102	3	Pass	Pass	Pass
1,1,1,2-Tetrachloroethane	70	130	20	96	99	3	Pass	Pass	Pass
Styrene	70	130	20	79	81	2	Pass	Pass	Pass
Bromoform	70	130	20	83	89	7	Pass	Pass	Pass
Isopropylbenzene	70	130	20	98	99	1	Pass	Pass	Pass
Bromobenzene	70	130	20	90	92	2	Pass	Pass	Pass
1,1,2,2-Tetrachloroethane	70	130	20	99	101	2	Pass	Pass	Pass
n-Propylbenzene	70	130	20	98	98	0	Pass	Pass	Pass
1,2,3-trichloropropane	70	130	20	97	100	3	Pass	Pass	Pass
2-Chlorotoluene	70	130	20	95	97	2	Pass	Pass	Pass
4-Chlorotoluene	70	130	20	95	99	4	Pass	Pass	Pass
1,3,5-Trimethylbenzene	70	130	20	93	97	4	Pass	Pass	Pass
tert-Butylbenzene	70	130	20	92	94	2	Pass	Pass	Pass
1,2,4-Trimethylbenzene	70	130	20	91	94	4	Pass	Pass	Pass
sec-Butylbenzene	70	130	20	91	93	2	Pass	Pass	Pass
1,3-dichlorobenzene	70	130	20	93	96	3	Pass	Pass	Pass
p-Isopropyltoluene	70	130	20	93	96	4	Pass	Pass	Pass
1,4-dichlorobenzene	70	130	20	93	94	1	Pass	Pass	Pass

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech NUS	**Driller/Sampler**: GPI	**Analyst:** Yael Hoogland
Site: Former American Bereyllium Company	**KB Labs Project Manager:** Kelly Bergdoll	**KB Labs Project No.:** 02-122-1
On-site Dates: 12/17/02-12/19/02	**Client Project Manager:** Phil Skorge	**Matrix**: Water

1,2-Dichlorobenzene	70	130	20	94	95	2	Pass	Pass	Pass
n-Butylbenzene	70	130	20	91	93	3	Pass	Pass	Pass
1,2-Dibromo-3-chloropropane	70	130	20	88	96	8	Pass	Pass	Pass
1,2,4-Trichlorobenzene	70	130	20	85	88	4	Pass	Pass	Pass
Hexachlorobutadiene	70	130	20	83	82	0	Pass	Pass	Pass
1,2,3-Trichlorobenzene	70	130	20	86	89	4	Pass	Pass	Pass
1.1-Dichloroethene	0	236	20	83	86	3	Pass	Pass	Pass
Trans-1,2-Dichloroethene	51	141	20	97	99	2	Pass	Pass	Pass
1.1-Dichloroethane	61	138	20	101	106	4	Pass	Pass	Pass
Cis-1,2-Dichloroethene	36	169	20	98	102	3	Pass	Pass	Pass
Benzene	66	134	20	103	106	3	Pass	Pass	Pass
Trichloroethene	61	137	20	101	104	2	Pass	Pass	Pass
Toluene	69	124	20	98	98	0	Pass	Pass	Pass
1,1,1-Trichloroethane	64	137	20	95	99	4	Pass	Pass	Pass
Tetrachloroethene	51	136	20	89	93	4	Pass	Pass	Pass
Ethylbenzene	77	117	20	94	96	2	Pass	Pass	Pass
m,p-Xylene	70	123	20	97	97	1	Pass	Pass	Pass
o-Xylene	72	123	20	95	97	2	Pass	Pass	Pass
Naphthalene	23	197	20	87	97	11	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit.

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech NUS	**Driller/Sampler**: GPI	**Analyst:** Yael Hoogland
Site: Former American Bereyllium Company	**KB Labs Project Manager:** Kelly Bergdoll	**KB Labs Project No.:** 02-122-1
On-site Dates: 12/17/02-12/19/02	**Client Project Manager:** Phil Skorge	**Matrix**: Water

Samples: TT-HP29-10MS, TT-HP29-10MSD **Date of Analysis:** 12/18/2002

Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks		
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD
dichlorodifluoromethane	70	130	20	106	105	0	Pass	Pass	Pass
chloromethane	70	130	20	93	100	7	Pass	Pass	Pass
Vinyl Chloride	46	140	20	70	68	4	Pass	Pass	Pass
bromomethane	70	130	20	64	55	16	< LCL	< LCL	Pass
chloroethane	70	130	20	141	140	1	> UCL	> UCL	Pass
Trichlorofluoromethane	70	130	20	93	97	4	Pass	Pass	Pass
Methylene Chloride	70	130	20	94	97	3	Pass	Pass	Pass
2,2-Dichloropropane	70	130	20	84	92	9	Pass	Pass	Pass
chloroform	70	130	20	99	101	2	Pass	Pass	Pass
Carbon tetrachloride	70	130	20	93	93	0	Pass	Pass	Pass
1,1-dichloropropene	70	130	20	97	98	1	Pass	Pass	Pass
1,2-Dichloroethane	70	130	20	94	101	7	Pass	Pass	Pass
1,2-Dichloropropane	70	130	20	100	104	4	Pass	Pass	Pass
Bromodichloromethane	70	130	20	93	95	3	Pass	Pass	Pass
Dibromomethane	70	130	20	98	100	3	Pass	Pass	Pass
cis-1,3-Dichloropropene	70	130	20	90	91	1	Pass	Pass	Pass
trans-1,3-Dichloropropene	70	130	20	79	83	5	Pass	Pass	Pass
1,1,2-Trichloroethane	70	130	20	96	101	5	Pass	Pass	Pass
1,3-Dichloropropane	70	130	20	95	101	5	Pass	Pass	Pass
1,2-Dibromoethane	70	130	20	91	97	7	Pass	Pass	Pass
Dibromochloromethane	70	130	20	94	98	3	Pass	Pass	Pass
chlorobenzene	70	130	20	101	101	0	Pass	Pass	Pass
1,1,1,2-Tetrachloroethane	70	130	20	94	96	2	Pass	Pass	Pass
Styrene	70	130	20	76	77	0	Pass	Pass	Pass
Bromoform	70	130	20	81	87	7	Pass	Pass	Pass
Isopropylbenzene	70	130	20	97	95	2	Pass	Pass	Pass
Bromobenzene	70	130	20	90	89	1	Pass	Pass	Pass
1,1,2,2-Tetrachloroethane	70	130	20	94	97	3	Pass	Pass	Pass
n-Propylbenzene	70	130	20	95	93	2	Pass	Pass	Pass
1,2,3-trichloropropane	70	130	20	94	93	1	Pass	Pass	Pass
2-Chlorotoluene	70	130	20	93	91	2	Pass	Pass	Pass
4-Chlorotoluene	70	130	20	93	93	0	Pass	Pass	Pass
1,3,5-Trimethylbenzene	70	130	20	93	91	2	Pass	Pass	Pass
tert-Butylbenzene	70	130	20	92	91	2	Pass	Pass	Pass
1,2,4-Trimethylbenzene	70	130	20	91	90	1	Pass	Pass	Pass
sec-Butylbenzene	70	130	20	92	90	2	Pass	Pass	Pass
1,3-dichlorobenzene	70	130	20	94	94	0	Pass	Pass	Pass
p-Isopropyltoluene	70	130	20	93	92	1	Pass	Pass	Pass
1,4-dichlorobenzene	70	130	20	92	92	0	Pass	Pass	Pass
1,2-Dichlorobenzene	70	130	20	92	94	2	Pass	Pass	Pass

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech NUS	**Driller/Sampler**: GPI	**Analyst:** Yael Hoogland
Site: Former American Bereyllium Company	**KB Labs Project Manager:** Kelly Bergdoll	**KB Labs Project No.:** 02-122-1
On-site Dates: 12/17/02-12/19/02	**Client Project Manager:** Phil Skorge	**Matrix**: Water

n-Butylbenzene	70	130	20	90	88	2	Pass	Pass	Pass
1,2-Dibromo-3-chloropropane	70	130	20	89	96	7	Pass	Pass	Pass
1,2,4-Trichlorobenzene	70	130	20	87	91	5	Pass	Pass	Pass
Hexachlorobutadiene	70	130	20	85	83	2	Pass	Pass	Pass
1,2,3-Trichlorobenzene	70	130	20	88	92	5	Pass	Pass	Pass
1.1-Dichloroethene	0	236	20	83	84	1	Pass	Pass	Pass
Trans-1,2-Dichloroethene	51	141	20	94	95	1	Pass	Pass	Pass
1.1-Dichloroethane	61	138	20	97	101	4	Pass	Pass	Pass
Cis-1,2-Dichloroethene	36	169	20	96	98	2	Pass	Pass	Pass
Benzene	66	134	20	101	101	0	Pass	Pass	Pass
Trichloroethene	61	137	20	102	99	3	Pass	Pass	Pass
Toluene	69	124	20	97	96	1	Pass	Pass	Pass
1,1,1-Trichloroethane	64	137	20	92	94	3	Pass	Pass	Pass
Tetrachloroethene	51	136	20	93	93	1	Pass	Pass	Pass
Ethylbenzene	77	117	20	94	94	1	Pass	Pass	Pass
m,p-Xylene	70	123	20	95	94	1	Pass	Pass	Pass
o-Xylene	72	123	20	94	93	1	Pass	Pass	Pass
Naphthalene	23	197	20	87	94	8	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit.

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech NUS	**Driller/Sampler**: GPI	**Analyst:** Yael Hoogland
Site: Former American Bereyllium Company	**KB Labs Project Manager:** Kelly Bergdoll	**KB Labs Project No.:** 02-122-1
On-site Dates: 12/17/02-12/19/02	**Client Project Manager:** Phil Skorge	**Matrix**: Water

Samples: TT-HP30-10MS, TT-HP30-10MSD **Date of Analysis:** 12/19/2002

Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks		
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD
dichlorodifluoromethane	70	130	20	103	104	1	Pass	Pass	Pass
chloromethane	70	130	20	95	98	3	Pass	Pass	Pass
Vinyl Chloride	46	140	20	70	57	21	Pass	Pass	> RPDL
Bromomethane	70	130	20	73	59	21	Pass	< LCL	> RPDL
chloroethane	70	130	20	69	75	8	< LCL	Pass	Pass
Trichlorofluoromethane	70	130	20	76	110	36	Pass	Pass	> RPDL
Methylene Chloride	70	130	20	93	102	10	Pass	Pass	Pass
2,2-Dichloropropane	70	130	20	91	98	7	Pass	Pass	Pass
chloroform	70	130	20	93	103	10	Pass	Pass	Pass
Carbon tetrachloride	70	130	20	88	94	6	Pass	Pass	Pass
1,1-dichloropropene	70	130	20	98	102	4	Pass	Pass	Pass
1,2-Dichloroethane	70	130	20	93	107	13	Pass	Pass	Pass
1,2-Dichloropropane	70	130	20	101	113	11	Pass	Pass	Pass
Bromodichloromethane	70	130	20	89	101	13	Pass	Pass	Pass
Dibromomethane	70	130	20	98	113	14	Pass	Pass	Pass
cis-1,3-Dichloropropene	70	130	20	89	97	9	Pass	Pass	Pass
trans-1,3-Dichloropropene	70	130	20	84	90	7	Pass	Pass	Pass
1,1,2-Trichloroethane	70	130	20	102	107	6	Pass	Pass	Pass
1,3-Dichloropropane	70	130	20	98	105	7	Pass	Pass	Pass
1,2-Dibromoethane	70	130	20	96	103	7	Pass	Pass	Pass
Dibromochloromethane	70	130	20	94	102	8	Pass	Pass	Pass
chlorobenzene	70	130	20	103	104	1	Pass	Pass	Pass
1,1,1,2-Tetrachloroethane	70	130	20	100	99	1	Pass	Pass	Pass
Styrene	70	130	20	79	82	4	Pass	Pass	Pass
Bromoform	70	130	20	88	95	7	Pass	Pass	Pass
Isopropylbenzene	70	130	20	98	98	0	Pass	Pass	Pass
Bromobenzene	70	130	20	87	92	6	Pass	Pass	Pass
1,1,2,2-Tetrachloroethane	70	130	20	103	110	7	Pass	Pass	Pass
n-Propylbenzene	70	130	20	99	98	1	Pass	Pass	Pass
1,2,3-trichloropropane	70	130	20	97	106	9	Pass	Pass	Pass
2-Chlorotoluene	70	130	20	95	95	0	Pass	Pass	Pass
4-Chlorotoluene	70	130	20	95	97	2	Pass	Pass	Pass
1,3,5-Trimethylbenzene	70	130	20	97	94	3	Pass	Pass	Pass
tert-Butylbenzene	70	130	20	95	95	0	Pass	Pass	Pass
1,2,4-Trimethylbenzene	70	130	20	91	92	1	Pass	Pass	Pass
sec-Butylbenzene	70	130	20	96	96	1	Pass	Pass	Pass
1,3-dichlorobenzene	70	130	20	94	96	2	Pass	Pass	Pass
p-Isopropyltoluene	70	130	20	96	95	1	Pass	Pass	Pass
1,4-dichlorobenzene	70	130	20	94	98	3	Pass	Pass	Pass
1,2-Dichlorobenzene	70	130	20	95	99	4	Pass	Pass	Pass

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech NUS	**Driller/Sampler**: GPI	**Analyst:** Yael Hoogland
Site: Former American Bereyllium Company	**KB Labs Project Manager:** Kelly Bergdoll	**KB Labs Project No.:** 02-122-1
On-site Dates: 12/17/02-12/19/02	**Client Project Manager:** Phil Skorge	**Matrix**: Water

n-Butylbenzene	70	130	20	92	92	0	Pass	Pass	Pass
1,2-Dibromo-3-chloropropane	70	130	20	89	101	13	Pass	Pass	Pass
1,2,4-Trichlorobenzene	70	130	20	87	93	7	Pass	Pass	Pass
Hexachlorobutadiene	70	130	20	86	84	1	Pass	Pass	Pass
1,2,3-Trichlorobenzene	70	130	20	91	95	4	Pass	Pass	Pass
1.1-Dichloroethene	0	236	20	108	115	6	Pass	Pass	Pass
Trans-1,2-Dichloroethene	51	141	20	89	98	10	Pass	Pass	Pass
1.1-Dichloroethane	61	138	20	96	105	10	Pass	Pass	Pass
Cis-1,2-Dichloroethene	36	169	20	90	98	9	Pass	Pass	Pass
Benzene	66	134	20	101	107	6	Pass	Pass	Pass
Trichloroethene	61	137	20	98	103	4	Pass	Pass	Pass
Toluene	69	124	20	99	97	2	Pass	Pass	Pass
1,1,1-Trichloroethane	64	137	20	89	97	9	Pass	Pass	Pass
Tetrachloroethene	51	136	20	94	90	4	Pass	Pass	Pass
Ethylbenzene	77	117	20	96	95	1	Pass	Pass	Pass
m,p-Xylene	70	123	20	94	97	3	Pass	Pass	Pass
o-Xylene	72	123	20	97	97	1	Pass	Pass	Pass
Naphthalene	23	197	20	96	100	4	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit.

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech NUS	**Driller/Sampler**: GPI	**Analyst:** Yael Hoogland
Site: Former American Bereyllium Company	**KB Labs Project Manager:** Kelly Bergdoll	**KB Labs Project No.:** 02-122-1
On-site Dates: 12/17/02-12/19/02	**Client Project Manager:** Phil Skorge	**Matrix**: Water

Laboratory Control Spikes (LCS):

Samples:	LCS 1 LCS 2 LCS 3			**Date of Analysis:**	12/17/2002 12/18/2002 12/19/2002				
Spike Compounds	**Control Limits**			**Percent Recoveries**			**Control Limit Checks**		
	Lower		**Upper**	**LCS#1**	**LCS#2**	**LCS#3**	**LCS#1**	**LCS#2**	**LCS#3**
dichlorodifluoromethane	70	to	130	117	117	104	Pass	Pass	Pass
chloromethane	70	to	130	87	96	98	Pass	Pass	Pass
Vinyl Chloride	70	to	130	76	73	71	Pass	Pass	Pass
bromomethane	70	to	130	109	81	67	Pass	Pass	< LCL
chloroethane	70	to	130	142	59	134	> UCL	< LCL	> UCL
Trichlorofluoromethane	70	to	130	105	82	96	Pass	Pass	Pass
Methylene Chloride	70	to	130	95	68	98	Pass	< LCL	Pass
2,2-Dichloropropane	70	to	130	103	91	93	Pass	Pass	Pass
chloroform	70	to	130	101	93	99	Pass	Pass	Pass
Carbon tetrachloride	70	to	130	99	95	90	Pass	Pass	Pass
1,1-dichloropropene	70	to	130	100	101	101	Pass	Pass	Pass
1,2-Dichloroethane	70	to	130	90	87	94	Pass	Pass	Pass
1,2-Dichloropropane	70	to	130	96	98	102	Pass	Pass	Pass
Bromodichloromethane	70	to	130	88	88	97	Pass	Pass	Pass
Dibromomethane	70	to	130	91	90	97	Pass	Pass	Pass
cis-1,3-Dichloropropene	70	to	130	85	84	89	Pass	Pass	Pass
trans-1,3-Dichloropropene	70	to	130	79	80	84	Pass	Pass	Pass
1,1,2-Trichloroethane	70	to	130	89	90	97	Pass	Pass	Pass
1,3-Dichloropropane	70	to	130	91	95	100	Pass	Pass	Pass
1,2-Dibromoethane	70	to	130	84	92	95	Pass	Pass	Pass
Dibromochloromethane	70	to	130	86	92	96	Pass	Pass	Pass
chlorobenzene	70	to	130	102	100	103	Pass	Pass	Pass
1,1,1,2-Tetrachloroethane	70	to	130	93	86	100	Pass	Pass	Pass
Styrene	70	to	130	80	80	82	Pass	Pass	Pass
Bromoform	70	to	130	75	84	85	Pass	Pass	Pass
Isopropylbenzene	70	to	130	104	103	101	Pass	Pass	Pass
Bromobenzene	70	to	130	87	94	94	Pass	Pass	Pass
1,1,2,2-Tetrachloroethane	70	to	130	81	89	97	Pass	Pass	Pass
n-Propylbenzene	70	to	130	105	100	101	Pass	Pass	Pass
1,2,3-trichloropropane	70	to	130	81	88	95	Pass	Pass	Pass
2-Chlorotoluene	70	to	130	100	96	97	Pass	Pass	Pass
4-Chlorotoluene	70	to	130	101	97	97	Pass	Pass	Pass
1,3,5-Trimethylbenzene	70	to	130	98	98	97	Pass	Pass	Pass
tert-Butylbenzene	70	to	130	102	96	96	Pass	Pass	Pass
1,2,4-Trimethylbenzene	70	to	130	95	94	95	Pass	Pass	Pass
sec-Butylbenzene	70	to	130	100	95	95	Pass	Pass	Pass
1,3-dichlorobenzene	70	to	130	96	95	97	Pass	Pass	Pass

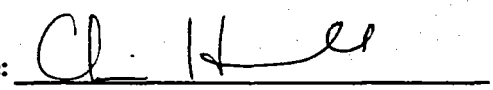
KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech NUS	**Driller/Sampler**: GPI	**Analyst:** Yael Hoogland
Site: Former American Bereyllium Company	**KB Labs Project Manager:** Kelly Bergdoll	**KB Labs Project No.:** 02-122-1
On-site Dates: 12/17/02-12/19/02	**Client Project Manager:** Phil Skorge	**Matrix**: Water

p-Isopropyltoluene	70	to	130	104	97	99	Pass	Pass	Pass
1,4-dichlorobenzene	70	to	130	91	95	96	Pass	Pass	Pass
1,2-Dichlorobenzene	70	to	130	90	94	97	Pass	Pass	Pass
n-Butylbenzene	70	to	130	100	95	95	Pass	Pass	Pass
1,2-Dibromo-3-chloropropane	70	to	130	70	89	89	Pass	Pass	Pass
1,2,4-Trichlorobenzene	70	to	130	84	94	92	Pass	Pass	Pass
Hexachlorobutadiene	70	to	130	95	87	91	Pass	Pass	Pass
1,2,3-Trichlorobenzene	70	to	130	80	93	92	Pass	Pass	Pass
1.1-Dichloroethene	70	to	130	118	82	85	Pass	Pass	Pass
Trans-1,2-Dichloroethene	70	to	130	97	86	92	Pass	Pass	Pass
1.1-Dichloroethane	70	to	130	102	92	96	Pass	Pass	Pass
Cis-1,2-Dichloroethene	70	to	130	95	87	67	Pass	Pass	< LCL
Benzene	70	to	130	97	99	101	Pass	Pass	Pass
Trichloroethene	70	to	130	98	97	99	Pass	Pass	Pass
Toluene	70	to	130	101	97	104	Pass	Pass	Pass
1,1,1-Trichloroethane	70	to	130	100	93	92	Pass	Pass	Pass
Tetrachloroethene	70	to	130	99	96	98	Pass	Pass	Pass
Ethylbenzene	70	to	130	99	96	99	Pass	Pass	Pass
m,p-Xylene	70	to	130	101	99	99	Pass	Pass	Pass
o-Xylene	70	to	130	96	97	98	Pass	Pass	Pass
Acrolein	70	to	130	113	49	105	Pass	< LCL	Pass
Acetone	70	to	130	105	85	101	Pass	Pass	Pass
Carbon Disulfide	70	to	130	145	98	98	> UCL	Pass	Pass
MtBE	70	to	130	91	96	104	Pass	Pass	Pass
Acrylonitrile	70	to	130	97	91	115	Pass	Pass	Pass
Vinyl Acetate	70	to	130	90	97	115	Pass	Pass	Pass
Methylethylketone	70	to	130	83	85	106	Pass	Pass	Pass
4-Methyl-2-pentanone	70	to	130	76	81	98	Pass	Pass	Pass
2-Hexanone	70	to	130	84	91	113	Pass	Pass	Pass
Naphthalene	70	to	130	73	94	91	Pass	Pass	Pass

Note: Control limits are based on method guidance.

Signature: 

Title: Data Specialist

Date: Jan 16, 2003

KB LABS, INC.
Final Data Report
Former American Beryllium Company
Tallevast, FL
December 17-19, 2002

Prepared for: Tetra Tech NUS

	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID
	TT HP21-10'	TT HP21-20'	TT HP22-10'	TT HP22-20'	TT HP23-10'	TT HP23-20'	TT HP24-10'	TT HP24-20'	TT HP25-10'
Date of Analysis:	12/17/2002	12/17/2002	12/17/2002	12/18/2002	12/17/2002	12/18/2002	12/17/2002	12/17/2002	12/17/2002
Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Dilution Factor:	1	1	1	1	1	1	1	1	1
dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	<1.0	<1.0	<1.0
chloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethene	**2.7**	**21.4**	<1.0	<1.0	<1.0	<1.0	<1.0	**6.0**	<1.0
Methylene Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	**22.1**	**18.4**	<1.0	<1.0	<1.0	<1.0	<1.0	**12.7**	<1.0
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	**9.6**	<1.0	<1.0	<1.0	<1.0	<1.0	**12.7**	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	**2.6**	**22.2**	<1.0	<1.0	<1.0	<1.0	<1.0	**4.3**	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	<1.0	**1.8**	<1.0	<1.0	<1.0	<1.0	<1.0	**9.4**	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-trichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

KB LABS, INC.
Final Data Report
Former American Beryllium Company
Tallevast, FL
December 17-19, 2002

Prepared for: Tetra Tech NUS

	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID
Mobile Laboratory Services	TT HP21-10'	TT HP21-20'	TT HP22-10'	TT HP22-20'	TT HP23-10'	TT HP23-20'	TT HP24-10'	TT HP24-20'	TT HP25-10'
Date of Analysis:	12/17/2002	12/17/2002	12/17/2002	12/18/2002	12/17/2002	12/18/2002	12/17/2002	12/17/2002	12/17/2002
Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Dilution Factor:	1	1	1	1	1	1	1	1	1
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Hexachlorobutadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Naphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**21.2**
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
acrolein	<25	<25	<25	<25	<25	<25	<25	<25	<25
acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
carbon disulfide	<5	<5	<5	<5	<5	**9.9**	<5	<5	<5
mtbe	<5	<5	<5	<5	<5	<5	<5	<5	<5
acrylonitrile	<10	<10	<10	<10	<10	<10	**26.8**	<10	<10
vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
methylethylketone	<10	<10	<10	**10.0**	<10	<10	<10	<10	<10
4-methyl-2-pentanone	<10	<10	<10	<10	<10	<10	**13.2**	<10	<10
2-hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10

Units for water samples are **ug/L**

KB LABS, INC.
Final Data Report
Former American Beryllium Company
Tallevast, FL
December 17-19, 2002

Prepared for: Tetra Tech NUS

	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID
Mobile Laboratory Services	TT HP25-20'	TT HP26-10'	TT HP26-20'	TT HP27-10'	TT HP27-20'	TT HP28-10'	TT HP28-20'	TT HP29-10'	TT HP29-20'
Date of Analysis:	12/17/2002	12/17/2002	12/17/2002	12/18/2002	12/18/2002	12/18/2002	12/18/2002	12/18/2002	12/18/2002
Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Dilution Factor:	1	1	1	1	1	1	1	1	1&5
dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
chloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethene	<1.0	<1.0	**1.3**	<1.0	<1.0	<1.0	**44.3**	<1.0	**5.3**
Methylene Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	**2.4**	**1.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	**1.5**	<1.0	<1.0	<1.0	**30.6**	<1.0	**6.6**
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	**1.9**	**6.2**	<1.0	<1.0	<1.0	**2.0**	<1.0	**8.2**
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<1.0	**61.6**	<1.0	<1.0	<1.0	**34.3**	<1.0	**190**
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**	<1.0	**1.5**
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-trichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

KB LABS, INC.
Final Data Report
Former American Beryllium Company
Tallevast, FL
December 17-19, 2002

Prepared for: Tetra Tech NUS

2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Hexachlorobutadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Naphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
acrolein	<25	<25	<25	<25	<25	<25	<25	<25	<25
acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10
carbon disulfide	<5	<5	<5	<5	<5	<5	<5	<5	**6.2**
mtbe	<5	<5	<5	<5	<5	<5	<5	<5	<5
acrylonitrile	<10	<10	<10	<10	<10	<10	<10	<10	<10
vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5
methylethylketone	<10	<10	<10	**10.0**	<10	<10	<10	**10.6**	<10
4-methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10

Units for water samples are **ug/L**

KB LABS, INC.
Final Data Report
Former American Beryllium Company
Tallevast, FL
December 17-19, 2002

Prepared for: Tetra Tech NUS

	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID
	TT HP3-20'	TT HP17-20'	TT HP18-20'	TT HP20-20'	TT MW4	TT HP30-10'	TT HP30-20'	TT HP31-10'	TT HP31-20'
Date of Analysis:	12/18/2002	12/18/2002	12/18/2002	12/18/2002	12/18/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002
Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Dilution Factor:	5	1	10&50	20	1	1	20	1	1
dichlorodifluoromethane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
chloromethane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Vinyl Chloride	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Bromomethane	<5	**1.2**	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Chloroethane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Trichlorofluoromethane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,1-dichloroethene	**25**	**14.9**	**31**	**29**	**1.3**	<1.0	<20	<1.0	**5.6**
Methylene Chloride	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
trans-1,2-Dichloroethene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,1-Dichloroethane	**210**	**98.9**	**43**	**25**	<1.0	<1.0	<20	<1.0	**4.9**
2,2-Dichloropropane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
cis-1,2-Dichloroethene	<5	**1.0**	**33**	<20	<1.0	<1.0	**44**	<1.0	<1.0
Chloroform	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,1,1-Trichloroethane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Carbon tetrachloride	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,1-dichloropropene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Benzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,2-Dichloroethane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Trichloroethene	<5	**53.4**	**1500**	**640**	**2.4**	<1.0	**630**	<1.0	<1.0
1,2-Dichloropropane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Bromodichloromethane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Dibromomethane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
cis-1,3-Dichloropropene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Toluene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
trans-1,3-Dichloropropene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,1,2-Trichloroethane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Tetrachloroethene	<5	<1.0	**13**	**300**	<1.0	<1.0	<20	<1.0	<1.0
1,3-Dichloropropane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,2-Dibromoethane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Dibromochloromethane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Chlorobenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,1,1,2-Tetrachloroethane	<25	<5.0	<50	<100	<5.0	<5.0	<100	<5.0	<5.0
Ethylbenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
m&p-Xylene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
o-Xylene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Styrene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Bromoform	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Isopropylbenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
Bromobenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
n-Propylbenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,2,3-trichloropropane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0

KB LABS, INC.
Final Data Report
Former American Beryllium Company
Tallevast, FL
December 17-19, 2002

Prepared for: Tetra Tech NUS

	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID
	TT HP3-20'	TT HP17-20'	TT HP18-20'	TT HP20-20'	TT MW4	TT HP30-10'	TT HP30-20'	TT HP31-10'	TT HP31-20'
Date of Analysis:	12/18/2002	12/18/2002	12/18/2002	12/18/2002	12/18/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002
Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water
Dilution Factor:	5	1	10&50	20	1	1	20	1	1
2-Chlorotoluene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
4-Chlorotoluene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,3,5-Trimethylbenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
tert-Butylbenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,2,4-Trimethylbenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
sec-Butylbenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,3-dichlorobenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
p-Isopropyltoluene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,4-dichlorobenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,2-Dichlorobenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
n-Butylbenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<25	<5.0	<50	<100	<5.0	<5.0	<100	<5.0	<5.0
1,2,4-Trichlorobenzene	<25	<5.0	<50	<100	<5.0	<5.0	<100	<5.0	<5.0
Hexachlorobutadiene	<25	<5.0	<50	<100	<5.0	<5.0	<100	<5.0	<5.0
Naphthalene	<25	<5.0	<50	<100	<5.0	<5.0	<100	<5.0	<5.0
1,2,3-Trichlorobenzene	<25	<5.0	<50	<100	<5.0	<5.0	<100	<5.0	<5.0
acrolein	<125	<25	<250	<500	<25	<25	<500	<25	<25
acetone	<50	<10	<100	<200	<10	<10	<200	<10	<10
carbon disulfide	<25	<5	<50	<100	<5	<5	<100	<5	**5.9**
mtbe	<25	<5	<50	<100	<5	<5	<100	<5	<5
acrylonitrile	<50	<10	<100	<200	<10	<10	<200	<10	<10
vinyl acetate	<25	<5	<50	<100	<5	<5	<100	<5	<5
methylethylketone	<50	<10	<100	<200	<10	<10	<200	<10	<10
4-methyl-2-pentanone	<50	<10	<100	<200	<10	<10	<200	<10	<10
2-hexanone	<50	<10	<100	<200	<10	<10	<200	<10	<10

Units for water samples are **ug/L**

KB LABS, INC.
Final Data Report
Former American Beryllium Company
Tallevast, FL
December 17-19, 2002

Prepared for: Tetra Tech NUS

	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID
Mobile Laboratory Services	TT HP19-20'	TT HP5-20'	TT HP15-20'						
Date of Analysis:	12/19/2002	12/19/2002	12/19/2002						
Matrix:	Water	Water	Water						
Dilution Factor:	50	10	50						
dichlorodifluoromethane	**87**	**12**	<50						
chloromethane	<50	<10	<50						
Vinyl Chloride	<50	<10	<50						
Bromomethane	<50	<10	<50						
Chloroethane	<50	<10	<50						
Trichlorofluoromethane	<50	<10	<50						
1,1-dichloroethene	<50	**18**	<50						
Methylene Chloride	<50	<10	<50						
trans-1,2-Dichloroethene	<50	<10	<50						
1,1-Dichloroethane	<50	**56**	**72**						
2,2-Dichloropropane	<50	<10	<50						
cis-1,2-Dichloroethene	**100**	**14**	**64**						
Chloroform	<50	<10	<50						
1,1,1-Trichloroethane	<50	<10	<50						
Carbon tetrachloride	<50	<10	<50						
1,1-dichloropropene	<50	<10	<50						
Benzene	<50	<10	<50						
1,2-Dichloroethane	<50	<10	<50						
Trichloroethene	**2000**	**110**	**2100**						
1,2-Dichloropropane	<50	<10	<50						
Bromodichloromethane	<50	<10	<50						
Dibromomethane	<50	<10	<50						
cis-1,3-Dichloropropene	<50	<10	<50						
Toluene	<50	<10	<50						
trans-1,3-Dichloropropene	<50	<10	<50						
1,1,2-Trichloroethane	<50	<10	<50						
Tetrachloroethene	<50	**20**	<50						
1,3-Dichloropropane	<50	<10	<50						
1,2-Dibromoethane	<50	<10	<50						
Dibromochloromethane	<50	<10	<50						
Chlorobenzene	<50	<10	<50						
1,1,1,2-Tetrachloroethane	<250	<50	<250						
Ethylbenzene	<50	<10	<50						
m&p-Xylene	<50	<10	<50						
o-Xylene	<50	<10	<50						
Styrene	<50	<10	<50						
Bromoform	<50	<10	<50						
Isopropylbenzene	<50	<10	<50						
Bromobenzene	<50	<10	<50						
1,1,2,2-Tetrachloroethane	<50	<10	<50						
n-Propylbenzene	<50	<10	<50						
1,2,3-trichloropropane	<50	<10	<50						

KB LABS, INC.
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Former American Beryllium Company
Tallevast, FL
December 17-19, 2002

Prepared for: Tetra Tech NUS

	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID
	TT HP19-20'	TT HP5-20'	TT HP15-20'						
Date of Analysis:	12/19/2002	12/19/2002	12/19/2002						
Matrix:	Water	Water	Water						
Dilution Factor:	50	10	50						
2-Chlorotoluene	<50	<10	<50						
4-Chlorotoluene	<50	<10	<50						
1,3,5-Trimethylbenzene	<50	<10	<50						
tert-Butylbenzene	<50	<10	<50						
1,2,4-Trimethylbenzene	<50	<10	<50						
sec-Butylbenzene	<50	<10	<50						
1,3-dichlorobenzene	<50	<10	<50						
p-Isopropyltoluene	<50	<10	<50						
1,4-dichlorobenzene	<50	<10	<50						
1,2-Dichlorobenzene	<50	<10	<50						
n-Butylbenzene	<50	<10	<50						
1,2-Dibromo-3-chloropropane	<250	<50	<250						
1,2,4-Trichlorobenzene	<250	<50	<250						
Hexachlorobutadiene	<250	<50	<250						
Naphthalene	<250	<50	<250						
1,2,3-Trichlorobenzene	<250	<50	<250						
acrolein	<1250	<250	<1250						
acetone	<500	<100	<500						
carbon disulfide	<250	<50	<250						
mtbe	<250	<50	<250						
acrylonitrile	<500	<100	<500						
vinyl acetate	<250	<50	<250						
methylethylketone	**520**	<100	<500						
4-methyl-2-pentanone	<500	<100	<500						
2-hexanone	<500	<100	<500						

Units for water samples are **ug/L**

6821 SW Archer Road
Gainesville, FL 32608
TEL (352) 367-0073
FAX (352) 367-0074
Mobile Laboratory Services

CHAIN-OF-CUST Y RECORD

MOBILE UNIT # 1CB2

CLIENT NAME: TetraTech

PROJECT NAME & ADDRESS: Former Amer. Beryllium

SAMPLERS: GW

CONTACT PERSON: Phil & Scott

BATCH # (Lab Use Only):

PRESERVATION: C Chilled; H HCL; Ot Other (see Remarks)

IDENTIFY PARAMETERS DESIRED AND NO. OF CONTAINERS: VOLATILES 8260 (full)

SAMPLE FIELD ID.\ NUMBER "OLD" ID	DATE SAMPLED	TIME SAMPLED	COMP.	GRAB	DATE REC'D	TIME REC'D	STATION LOCATION / No. (FINAL 2nd "NEW" (12/19/02))	SAMPLE MATRIX	NUMBER OF CONTAINERS	VOLATILES 8260 (full)	COMMENT (1st "NEW" (12/18/02))
TT-MW15-HP10	121802	NR		✓	121802	840	TT-HP27-10	GW	1	✓	TT-HP25-10
20				✓		↓	TT-HP27-20			✓	TT-HP25-20
MW10 HP10				✓		1008	TT-HP28-10			✓	TT-HP26-10
20				✓		↓	TT-HP28-20			✓	TT-HP26-20
~~MW11 HP10~~						1140					
TT-HP27-10	121802			✓	121802	1140	TT-HP29-10	GW	1	✓	
27-20'				✓		1200	TT-HP29-20			✓	
TT HP18 D				✓		1400	TT-HP18-20			✓	13 samples
TT HP20.D				✓		↓	TT-HP20-20			✓	
TT HP17D				✓		1440	TT-HP17-20			✓	
TT MW 4				✓		1440	TT-MW4			✓	
TT HP 3D				✓		1500	TT-HP3-20			✓	
TT HP 21-20'				✓		1530	TT-HP23-20			✓	
TT HP 20-20'				✓		1600	TT-HP22-20			✓	

ysh 121802

Precleaned Containers Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
Relinquished by: (Signature)	Date / Time 12/18/02	Received by: (Signature)	Date / Time 1218 02

Remarks and Observations
Sample IDs changed by client after analysis change noted on sequence Logs as requ. rec'd.
Client changed names of samples again, Final numeration is listed in Station location. ysh 121902
12/19/02

Matrix Types S Soil SW Surface Water GW Ground Water SG Soil Gas

CHAIN-OF-CUS Y RECORD

Mobile Laboratory Services
6821 SW Archer Road
Gainesville, FL 32608
TEL (352) 367-0073
FAX (352) 367-0074

MOBILE UNIT # 1B2

CLIENT NAME: TetraTech
PROJECT NAME & ADDRESS: Former Amer. Beryllium
SAMPLERS: Groundwater
CONTACT PERSON: Phil Skorge
BATCH # (Lab Use Only)

IDENTIFY PARAMETERS DESIRED AND NO. OF CONTAINERS: VOLATILES 8260 FULL

PRESERVATION: C Chilled; H HCL; Ot Other (see Remarks)

SAMPLE FIELD ID.\ NUMBER "Old" ID	DATE SAMPLED	TIME SAMPLED	COMP.	GRAB	DATE REC'D	TIME REC'D	STATION LOCATION / No. FINAL 2nd New (12/19/02)	SAMPLE MATRIX	NUMBER OF CONTAINERS	VOLATILES 8260 FULL	COMMENT 1st "New" (12/18/02)
TT-MW11-HP-10	121702	N.R.		✓	121702	1030	TT-HP21-10	GW	1	✓	TT-HP19-10
MW11-HP-20						1100	TT-HP21-20				TT-HP19-20
MW14-HP-10						1130	TT-HP23-10				TT-HP21-10
MW13-HP-10						1230	TT-HP22-10				TT-HP20-10
MW16-HP-10						1450	TT-HP24-10				TT-HP22-10
MW16-HP-20						1505	TT-HP24-20				TT-HP22-20
w/ MW15-HP-10						1550	TT-HP25-10				MW15 TT-HP23-10
w/ MW15-HP-20						1550	TT-HP25-20				MW15 TT-HP23-20
TT MW17-HP-10						1735	TT-HP26-10				TT-HP24-10
TT MW17-HP-20						1745	TT-HP26-20				TT-HP24-20

10 samples

ysk 121702

Precleaned Containers Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
	1217 02		
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time
	12/18/02		1217 02

Remarks and Observations
Sample ID's changed by client after analysis change noted on sequence logs as reference to samples. 121802
client changed numeration again, Final sample IDs noted in Station location. ysk 121902

12/19/02

Matrix Types S Soil SW Surface Water GW Ground Water SG Soil Gas

CHAIN-OF-CUST Y RECORD

Mobile Laboratory Services
6821 SW Archer Road
Gainesville, FL 32608
TEL (352) 367-0073
FAX (352) 367-0074

MOBILE UNIT # KB2

CLIENT NAME: TetraTech

PROJECT NAME & ADDRESS: Former Amer. Beryllium

SAMPLERS: GW

CONTACT PERSON: Phil

BATCH # (Lab Use Only)

PRESERVATION: C Chilled; H HCL; Ot Other (see Remarks)

SAMPLE FIELD ID.\ NUMBER	DATE SAMPLED	TIME SAMPLED	COMP.	GRAB	DATE REC'D	TIME REC'D	STATION LOCATION / No. (New I.D 12/19/02)	SAMPLE MATRIX	NUMBER OF CONTAINERS	IDENTIFY PARAMETERS DESIRED AND NO. OF CONTAINERS: VOLATILES	COMMENT
TT HP28-10	121902	UR		✓	121902	805	TT-HP3Ø-1Ø	GW	1	✓	
28-20						805	TT-HP3Ø-2Ø				
29-10						900	TT-HP31-1Ø				
29-20						900	TT-HP31-2Ø				
TT HP 19D						910	TT-HP19-2Ø				
TT HP 5-20'						935	TT-HP5-2Ø				
TT HP 15-20'						1010					

7 samples (told done @ 1:20pm)

12 1902

	Date / Time	Received by: (Signature)	Date / Time
Precleaned Containers Relinquished by: (Signature)			
Relinquished by: (Signature)	12/18/02	Received by: (Signature)	12/19/02

Remarks and Observations

Client changed ID for samples. New IDs are notated in station location.

12/19/02

Matrix Types S Soil SW Surface Water GW Ground Water SG Soil Gas

KB LABS, INC.
6821 Southwest Archer Road
Gainesville, Florida 32608
***Telephone* (352) 367-0073**
***Fax* (352) 367-0074**
Email: *info@kbmobilelabs.com*

March 3, 2003

Phil Skorge
Tetra Tech
401 E. Ocean Blvd, Suite 810
Long Beach, CA 90802

RE: Former American Beryllium Company, Tallevast, Florida - Final Data Report
KB Labs Project # 03-44

Dear Mr. Skorge:

Enclosed is the final report of the on-site analysis performed by KB Labs, Inc. at the above referenced site. Samples were collected and analyzed February 17, 2003. Included are a brief project narrative, a data report narrative, tables listing quality control results, the final analytical results, and sample chain-of-custody forms. This information will also be sent electronically.

KB Labs is approved as a mobile laboratory for volatiles analyses and operates under an FDEP approved Comprehensive Quality Assurance Plan (CompQAP #980029 Revision 3). Unless otherwise stated in our CompQAP under method modifications, all data for the site referenced above were determined in accordance with published procedures under Test Methods for Evaluating Solid Waste (EPA SW-846, Update III Revised May 1997). Unless otherwise indicated on the quality control narrative accompanying the data report, the quality assurance and quality control procedures performed in conjunction with analysis of groundwater samples demonstrated that the reported data met our CompQAP requirements for accuracy and precision.

If you have any questions, please do not hesitate to call me or Kelly Bergdoll, President, at (352) 367-0073.

Sincerely,

KB Labs, Inc.

Todd Romero
Director of Operations

"KB Labs is a small, woman-owned business enterprise."

KB LABS, INC.

PROJECT NARRATIVE

Client:	Tetra Tech	**Driller/Sampler:**	Tetra Tech	**Analyst:**	Greg Lamb
Site:	Former American Beryllium Company	**KB Labs Project Manager:**	Kelly Bergdoll	**KB Labs Project #:**	03-44
Onsite Dates:	02/17/03	**Client Project Manager:**	Phil Skorge	**Matrix:**	Water

Project Scope

On February 17, 2003, a total of 10 water samples were analyzed for Tetra Tech at the former American Beryllium Company in Tallevast, FL. All water samples were analyzed for Benzene, Ethylbenzene, Toluene, Xylenes, Methyl tert-butyl ether (MtBE), Naphthalene, Acetone, Acrylonitrile, Acrolein, Bromobenzene, Bromodichloromethane, Bromoform, Bromomethane, n-Butylbenzene, Carbon Disulfide, Carbon Tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, 2-Chlorotoluene, 4-Chlorotoluene, Dibromochloromethane, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, Dibromomethane, 1,2-Dichloropropane, 1,3-Dichloropropane, 2,2-Dichloropropane, 1,1-Dichloropropene, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Dichlorodifluoromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, Cis-1,2-Dichlorothene, Trans-1,2-Dichloroethene, Hexachlorobutadiene, 2-Hexanone, Isopropylbenzene, p-Isopropyltoluene, Methylene Chloride, Methylethylketone, 4-Methyl-2-Pentanone, n-Propylbenzene, Styrene, sec-Butylbenzene, tert-Butylbenzene, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethene, Trichlorofluoromethane, 1,2,3-Trichloropropane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Vinyl Acetate, and Vinyl Chloride.

Analytical Procedure

All water samples were analyzed using SW846 Method 5030/8260 for waters. Ten (10) milliliters (mL) of water were purged with helium and the volatile organic compounds (VOCs) were collected on a solid-phase adsorption trap. The adsorption trap was heated and back-purged with helium and the components were separated by capillary column gas chromatography and measured with a mass spectrometer (GC/MS) operated in the electron impact full-scan mode. The individual VOCs in the samples were measured against corresponding VOC standards.

Analytical Results

Laboratory results were provided to the client on an as-completed or next-day basis. Final results of the on-site analyses are provided in a hardcopy report. The data produced and reported in the field has been reviewed and approved for this final report by the Director of Operations for KB Labs.

Quality Control (QC) Data

Surrogate Recoveries – Table 1 lists the daily analytical sequence and percent recovery results for surrogate compounds, which were added to all analyses. Four (4) surrogate compounds were added to each analysis in order to continually monitor general method performance.

VOC Spike Recoveries – Table 2 lists the percent recovery results for matrix spike and laboratory control samples. A known amount of each target compound was added to selected field samples and to laboratory reagent water in order to monitor the performance of each of the target compounds in the actual matrix and in laboratory reagent water.

Method Blanks – Daily analysis of laboratory reagent water samples was performed in order to monitor the cleanliness of the analytical system.

Signature: _____ Date: 3/3/03
Title: Director of Operations

KB LABS, INC.

DATA REPORT NARRATIVE

Client:	Tetra Tech	**Driller/Sampler:**	Tetra Tech	**Analyst:**	Greg Lamb
Site:	Former American Beryllium Company	**KB Labs Project Manager:**	Kelly Bergdoll	**KB Labs Project #:**	03-44
Onsite Dates:	02/17/03	**Client Project Manager:**	Phil Skorge	**Matrix:**	Water

1. All samples have been reviewed and, if required, updated in the Final Data Report for rounding and significant figures.

2. Two analytes on the full 8260 list were not analyzed. Bromochloromethane is a component in the Internal Standard/Surrogate solution and cannot be quantitated as an analyte. Bromochloromethane results have been deleted from the Final Data Table. The compound 2-chloroethylvinylether cannot be reliably analyzed because of its instability.

Signature: _____

Title: Director of Operations Date: 3/3/03

KB LABS, INC.

Table 1: Analytical Run Sequence/Surrogate Percent Recoveries

Client: Tetra Tech	**Driller/Sampler**: Tetra Tech	**Analyst:** Greg Lamb
Site: Former American Beryllium Company	**KB Labs Project Manager**: Kelly Bergdoll	**KB Labs Project No:** 03-44
On-site Dates: 02/17/03	**Client Project Manager**: Phil Skorge	**Matrix:** Water

Sample ID	Date of Analysis	Surrogate % Recovery				Surrogate Control Limits: 80%(LCL) to 120%(UCL)			
		S1*	S2*	S3*	S4*	S1*	S2*	S3*	S4*
BFB	02/17/03	118	91	107	86	Pass	Pass	Pass	Pass
VSTD20	02/17/03	112	97	113	92	Pass	Pass	Pass	Pass
REF20	02/17/03	128	99	115	91	> UCL	Pass	Pass	Pass
BLANK	02/17/03	110	93	109	93	Pass	Pass	Pass	Pass
TTHP 32 10'	02/17/03	113	99	112	92	Pass	Pass	Pass	Pass
TTHP 32 20'	02/17/03	110	96	113	91	Pass	Pass	Pass	Pass
TTHP 33 10'	02/17/03	123	100	114	91	> UCL	Pass	Pass	Pass
TTHP 33 20'	02/17/03	122	101	113	90	> UCL	Pass	Pass	Pass
TTHP 34 20'	02/17/03	117	100	114	94	Pass	Pass	Pass	Pass
TTHP 35 20'	02/17/03	103	93	113	95	Pass	Pass	Pass	Pass
TTHP 36 20'	02/17/03	112	99	114	92	Pass	Pass	Pass	Pass
TTHP 34 10'	02/17/03	124	101	115	94	> UCL	Pass	Pass	Pass
TTHP 35 10'	02/17/03	120	105	116	95	Pass	Pass	Pass	Pass
TTHP 36 10'	02/17/03	109	97	117	91	Pass	Pass	Pass	Pass
TTHP 36 20'MS	02/17/03	98	95	113	93	Pass	Pass	Pass	Pass
TTHP 36 20'MSD	02/17/03	111	100	118	95	Pass	Pass	Pass	Pass
REF20	02/17/03	125	100	114	91	> UCL	Pass	Pass	Pass
Comments:	Although some surrogates may be out of the control percent recovery range (80% to 120%), other supporting QC, such as matrix spikes, matrix spike duplicates, method blanks, and laboratory control samples, are performed by KB Labs to further validate reported data.								

Signature: _____

Title: Director of Operations

Date: 3/3/03

***Surrogate Compounds:**

S1 = 1,2- Dichloroethane-D4
S2 = 1,2-Difluorobenzene
S3 = Toluene-D8
S4 = 4-Bromofluorobenzene

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech	**Driller/Sampler**: Tetra Tech	**Analyst:** Greg Lamb
Site: American Beryllium Company	**KB Labs Project Manager:** Kelly Bergdoll	**KB Labs Project No.:** 03-44
On-site Dates: 02/17/03	**Client Project Manager:** Phil Skorge	**Matrix**: Water

Matrix Spike/Matrix Spike Duplicate (MS/MSD):

Samples: TTHP 36 20'MS
TTHP 36 20'MSD

Date of Analysis: 2/17/2003

Matrix Spike Compounds	Control Limits			Percent Recoveries			Control Limit Checks		
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD
Vinyl Chloride	46	140	20	130	136	4	Pass	Pass	Pass
1.1-Dichloroethene	0	236	20	128	110	15	Pass	Pass	Pass
Trans-1,2-Dichloroethene	51	141	20	97	113	15	Pass	Pass	Pass
1.1-Dichloroethane	61	138	20	105	117	11	Pass	Pass	Pass
Cis-1,2-Dichloroethene	36	169	20	95	107	12	Pass	Pass	Pass
Benzene	66	134	20	102	110	7	Pass	Pass	Pass
Trichloroethene	61	137	20	97	102	5	Pass	Pass	Pass
Toluene	69	124	20	104	104	0	Pass	Pass	Pass
1,1,1-Trichloroethane	64	137	20	92	102	10	Pass	Pass	Pass
Tetrachloroethene	51	136	20	95	97	2	Pass	Pass	Pass
Ethylbenzene	77	117	20	101	97	4	Pass	Pass	Pass
m,p-Xylene	70	123	20	112	107	5	Pass	Pass	Pass
o-Xylene	72	123	20	103	99	4	Pass	Pass	Pass
Naphthalene	23	197	20	71	77	7	Pass	Pass	Pass
Dichlorodifluoromethane	70	130	20	129	132	2	Pass	> UCL	Pass
Chloromethane	70	130	20	135	129	5	> UCL	Pass	Pass
Bromomethane	70	130	20	176	160	10	> UCL	> UCL	Pass
Chloroethane	70	130	20	105	165	44	Pass	> UCL	> RPDL
Trichlorofluoromethane	70	130	20	120	127	6	Pass	Pass	Pass
Methylene Chloride	70	130	20	108	112	4	Pass	Pass	Pass
2,2-Dichloropropane	70	130	20	92	94	2	Pass	Pass	Pass
Chloroform	70	130	20	96	109	12	Pass	Pass	Pass
Carbon tetrachloride	70	130	20	101	106	5	Pass	Pass	Pass
1,1-dichloropropene	70	130	20	96	102	7	Pass	Pass	Pass
1,2-Dichloroethane	70	130	20	82	98	18	Pass	Pass	Pass
1,2-Dichloropropane	70	130	20	102	109	7	Pass	Pass	Pass
Bromodichloromethane	70	130	20	87	96	11	Pass	Pass	Pass
Dibromomethane	70	130	20	87	99	12	Pass	Pass	Pass
c-1,3-Dichloropropene	70	130	20	82	92	12	Pass	Pass	Pass
t-1,3-Dichloropropene	70	130	20	77	85	9	Pass	Pass	Pass
1,1,2-Trichloroethane	70	130	20	91	99	8	Pass	Pass	Pass
1,3-Dichloropropane	70	130	20	82	93	12	Pass	Pass	Pass
1,2-Dibromoethane	70	130	20	80	87	8	Pass	Pass	Pass
Dibromochloromethane	70	130	20	77	88	12	Pass	Pass	Pass
Chlorobenzene	70	130	20	95	94	0	Pass	Pass	Pass
1,1,1,2-Tetrachloroethane	70	130	20	87	91	5	Pass	Pass	Pass
Styrene	70	130	20	106	102	4	Pass	Pass	Pass
Bromoform	70	130	20	85	89	6	Pass	Pass	Pass
Isopropylbenzene	70	130	20	108	104	4	Pass	Pass	Pass

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech	**Driller/Sampler**: Tetra Tech	**Analyst:** Greg Lamb
Site: American Beryllium Company	**KB Labs Project Manager:** Kelly Bergdoll	**KB Labs Project No.:** 03-44
On-site Dates: 02/17/03	**Client Project Manager:** Phil Skorge	**Matrix**: Water

Bromobenzene	70	130	20	97	95	2	Pass	Pass	Pass
1,1,1,2-Tetrachloroethane	70	130	20	103	110	6	Pass	Pass	Pass
n-Propylbenzene	70	130	20	114	110	3	Pass	Pass	Pass
1,2,3-trichloro[ropane	70	130	20	97	105	8	Pass	Pass	Pass
2-Chlorotoluene	70	130	20	100	100	0	Pass	Pass	Pass
4-Chlorotoluene	70	130	20	101	100	1	Pass	Pass	Pass
1,3,5-Trimethylbenzene	70	130	20	101	101	0	Pass	Pass	Pass
tert-Butylbenzene	70	130	20	97	94	4	Pass	Pass	Pass
1,2,4-Trimethylbenzene	70	130	20	99	100	1	Pass	Pass	Pass
sec-Butylbenzene	70	130	20	107	103	4	Pass	Pass	Pass
1,3-dichlorobenzene	70	130	20	94	93	1	Pass	Pass	Pass
p-Isopropyltoluene	70	130	20	101	100	2	Pass	Pass	Pass
1,4-dichlorobenzene	70	130	20	95	100	5	Pass	Pass	Pass
1,2-Dichlorobenzene	70	130	20	90	91	1	Pass	Pass	Pass
n-Butylbenzene	70	130	20	112	112	0	Pass	Pass	Pass
1,2-Dibromo-3-Chloropropan	70	130	20	78	82	6	Pass	Pass	Pass
1,2,4-Trichlorobenzene	70	130	20	83	87	4	Pass	Pass	Pass
Hexachlorobutadiene	70	130	20	97	96	2	Pass	Pass	Pass
1,2,3-Trichlorobenzene	70	130	20	78	83	7	Pass	Pass	Pass

Note: Control Limits are based on a semi-annual historical evaluation of mobile unit.

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech	**Driller/Sampler**: Tetra Tech	**Analyst:** Greg Lamb
Site: American Beryllium Company	**KB Labs Project Manager:** Kelly Bergdoll	**KB Labs Project No.:** 03-44
On-site Dates: 02/17/03	**Client Project Manager:** Phil Skorge	**Matrix**: Water

Laboratory Control Spikes (LCS):

Samples:	LCS 1	**Date of Analysis:**	2/17/2003
	LCS 2		2/17/2003

Spike Compounds	Control Limits			Percent Recoveries		Control Limit Checks	
	Lower		Upper	LCS#1	LCS#2	LCS#1	LCS#2
Vinyl Chloride	70	to	130	116	115	Pass	Pass
1.1-Dichloroethene	70	to	130	117	104	Pass	Pass
Trans-1,2-Dichloroethene	70	to	130	100	92	Pass	Pass
1.1-Dichloroethane	70	to	130	112	106	Pass	Pass
Cis-1,2-Dichloroethene	70	to	130	118	90	Pass	Pass
Benzene	70	to	130	97	93	Pass	Pass
Trichloroethene	70	to	130	89	84	Pass	Pass
Toluene	70	to	130	94	88	Pass	Pass
1,1,1-Trichloroethane	70	to	130	101	94	Pass	Pass
Tetrachloroethene	70	to	130	92	79	Pass	Pass
Ethylbenzene	70	to	130	90	87	Pass	Pass
m,p-Xylene	70	to	130	97	96	Pass	Pass
o-Xylene	70	to	130	90	89	Pass	Pass
Naphthalene	70	to	130	87	80	Pass	Pass
dichlorodifluoromethane	70	to	130	153	144	> UCL	> UCL
chloromethane	70	to	130	112	117	Pass	Pass
Bromomethane	70	to	130	137	145	> UCL	> UCL
Chloroethane	70	to	130	131	135	> UCL	> UCL
Trichlorofluoromethane	70	to	130	122	112	Pass	Pass
Methylene Chloride	70	to	130	106	97	Pass	Pass
2,2-Dichloropropane	70	to	130	94	89	Pass	Pass
Chloroform	70	to	130	110	138	Pass	> UCL
Carbon tetrachloride	70	to	130	106	95	Pass	Pass
1,1-dichloropropene	70	to	130	91	86	Pass	Pass
1,2-Dichloroethane	70	to	130	102	95	Pass	Pass
1,2-Dichloropropane	70	to	130	99	100	Pass	Pass
Bromodichloromethane	70	to	130	100	118	Pass	Pass
Dibromomethane	70	to	130	108	93	Pass	Pass
c-1,3-Dichloropropene	70	to	130	88	86	Pass	Pass
t-1,3-Dichloropropene	70	to	130	93	82	Pass	Pass
1,1,2-Trichloroethane	70	to	130	106	96	Pass	Pass
1,3-Dichloropropane	70	to	130	98	86	Pass	Pass
1,2-Dibromoethane	70	to	130	93	79	Pass	Pass
Dibromochloromethane	70	to	130	100	93	Pass	Pass
Chlorobenzene	70	to	130	92	86	Pass	Pass
1,1,1,2-Tetrachloroethane	70	to	130	94	83	Pass	Pass

KB LABS, INC.

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech	**Driller/Sampler**: Tetra Tech	**Analyst:** Greg Lamb
Site: American Beryllium Company	**KB Labs Project Manager:** Kelly Bergdoll	**KB Labs Project No.:** 03-44
On-site Dates: 02/17/03	**Client Project Manager:** Phil Skorge	**Matrix**: Water

Styrene	70	to	130	93	92		Pass	Pass	
Bromoform	70	to	130	101	82		Pass	Pass	
Isopropylbenzene	70	to	130	97	97		Pass	Pass	
Bromobenzene	70	to	130	87	83		Pass	Pass	
1,1,1,2-Tetrachloroethane	70	to	130	108	105		Pass	Pass	
n-Propylbenzene	70	to	130	99	101		Pass	Pass	
1,2,3-trichloro[ropane	70	to	130	97	91		Pass	Pass	
2-Chlorotoluene	70	to	130	91	92		Pass	Pass	
4-Chlorotoluene	70	to	130	90	93		Pass	Pass	
1,3,5-Trimethylbenzene	70	to	130	86	89		Pass	Pass	
tert-Butylbenzene	70	to	130	89	89		Pass	Pass	
1,2,4-Trimethylbenzene	70	to	130	86	85		Pass	Pass	
sec-Butylbenzene	70	to	130	96	97		Pass	Pass	
1,3-dichlorobenzene	70	to	130	92	90		Pass	Pass	
p-Isopropyltoluene	70	to	130	92	93		Pass	Pass	
1,4-dichlorobenzene	70	to	130	94	92		Pass	Pass	
1,2-Dichlorobenzene	70	to	130	91	89		Pass	Pass	
n-Butylbenzene	70	to	130	97	101		Pass	Pass	
1,2-Dibromo-3-Chloropropan	70	to	130	88	83		Pass	Pass	
1,2,4-Trichlorobenzene	70	to	130	90	83		Pass	Pass	
Hexachlorobutadiene	70	to	130	93	85		Pass	Pass	
1,2,3-Trichlorobenzene	70	to	130	93	85		Pass	Pass	

Note: Control limits are based on method guidance.

Signature: Todd Rotton

Title: Director of Operations

Date: 3/3/03

KB LABS, INC.

Final Data Report

Former American Beryllium Company

Tallevast, FL

February 17, 2003

Prepared for: Tetra Tech

	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID
	TTHP 32 10'	TTHP 32 20'	TTHP 33 10'	TTHP 33 20'	TTHP 34 20'	TTHP 35 20'	TTHP 36 20'	TTHP 34 10'	TTHP 35 10'	TTHP 36 10'
Date of Analysis:	2/17/03	2/17/03	2/17/03	2/17/03	2/17/03	2/17/03	2/17/03	2/17/03	2/17/03	2/17/03
Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Dilution Factor:	1	1	1	1	1	1	1	1	1	1
dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
chloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethene	<1.0	**4.8**	<1.0	**3.0**	**3.0**	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	**1.8**	<1.0	**19.9**	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<1.0	**23.2**	**1.7**	**2.8**	**5.9**	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	**10.7**	**1.0**	**11.7**	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	**2.3**	<1.0	**10.4**	**2.2**	**1.3**	<1.0	<1.0	**1.3**	**1.2**
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	<1.0	<1.0	<1.0	**12.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

KB LABS, INC.
Final Data Report
Former American Beryllium Company
Tallevast, FL
February 17, 2003

Prepared for: Tetra Tech

	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID
	TTHP 32 10'	TTHP 32 20'	TTHP 33 10'	TTHP 33 20'	TTHP 34 20'	TTHP 35 20'	TTHP 36 20'	TTHP 34 10'	TTHP 35 10'	TTHP 36 10'
Date of Analysis:	2/17/03	2/17/03	2/17/03	2/17/03	2/17/03	2/17/03	2/17/03	2/17/03	2/17/03	2/17/03
Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Dilution Factor:	1	1	1	1	1	1	1	1	1	1
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-trichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acrolein	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MtBE	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl acetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylethylketone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

Units for water samples are **ug/L**

Mobile Laboratory Services
6821 SW Archer Road
Gainesville, FL 32608
TEL (352) 367-0073
FAX (352) 367-0074

CHAIN-OF-CUST Y RECORD

MOBILE UNIT #

CLIENT NAME: Tetra tech
PROJECT NAME & ADDRESS: Fmr. American Beryllium
SAMPLERS: ATI
CONTACT PERSON: Phil Skorge
BATCH # (Lab Use Only)

PRESERVATION: C Chilled; H HCL; Ot Other (see Remarks)

SAMPLE FIELD ID.\ NUMBER	DATE SAMPLED	TIME SAMPLED	COMP.	GRAB	DATE REC'D	TIME REC'D	STATION LOCATION / No.	SAMPLE MATRIX	NUMBER OF CONTAINERS	VOLATILES	COMMENT
TTHP 32 10'	2/17/03	—			2/17/03	1105		W	1	✓	
32 20'	↓	↓		↓	↓	↓		↓	↓	↓	
33 10'						↓					
33 20'						1125					
34 10'						1215					
34 20'						↓					
35 10'						1255					
35 20'						↓					
36 10'						1400					
36 20'						↓		↓	↓	↓	

Precleaned Containers Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	Remarks and Observations
	2/17/03			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	
			2/17/03	

Matrix Types S Soil SW Surface Water GW Ground Water SG Soil Gas

APPENDIX D
WELD BURSTING
LOADS

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.181D

Sample ID No.: TT-MW-85
Sample Location: MW-85
Sampled By: S. McGuire
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

SAMPLING DATA:

Date: 3/6/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1015	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	Clear	5.89	1.68	23.56	1.2	2.31		114

PURGE DATA:

Date: 3/6/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		6.79	4.18	26.01	15.3	5.46		96
Monitor Reading (ppm): N/A		5.81	1.57	23.37	9.1	1.98		102
Well Casing Diameter & Material		5.83	1.72	23.48	4.8	2.17		108
Type: 2" PVC		5.89	1.68	23.56	1.2	2.31		114
Total Well Depth (TD): 10								
Static Water Level (WL): 2.89								
One Casing Volume(gal/L): 3.1								
Start Purge (hrs): 0940								
End Purge (hrs): 0955								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
B260	HCl	3 - 40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1010

Sample ID No.: TT-MW-8D
Sample Location: MW-8D
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/6/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1045	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	clear	4.97	1.50	22.80	4	8.40		318

PURGE DATA:

Date: 3/6/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		5.00	1.52	23.37	15	10.66		260
Monitor Reading (ppm): N/A		4.96	1.51	22.89	11	9.26		306
Well Casing Diameter & Material		4.90	1.51	22.83	9	8.65		313
Type: 2" PVC		4.97	1.50	22.80	4	8.40		318
Total Well Depth (TD): 20'								
Static Water Level (WL): 2.65								
One Casing Volume(gal/L): 3.1								
Start Purge (hrs): 1025								
End Purge (hrs): 1040								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3-40 ml	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1810

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: TT-MW-75
Sample Location: MW-75
Sampled By: S. McGuire
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/6/02	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1115	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	clear	6.01	0.909	23.79	11	1.59		90

PURGE DATA:

Date: 3/6/02	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		6.18	0.461	25.38	32	5.16		159
Monitor Reading (ppm): N/A		6.17	0.609	23.90	24	0.88		108
Well Casing Diameter & Material		6.09	0.731	23.75	19	1.26		101
Type: 2" PVC		6.03	0.880	23.81	16	1.41		92
Total Well Depth (TD): 10		6.01	0.909	23.79	11	1.59		90
Static Water Level (WL): 3.32								
One Casing Volume(gal/L): 3.1								
Start Purge (hrs): 1055								
End Purge (hrs): 1110								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3 - 40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1B1D

Sample ID No.: TT-MW-7D
Sample Location: MW-7D
Sampled By:
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

SAMPLING DATA:

Date: 3/6/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1145	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	Clear	4.98	1.54	24.01	5	8.00		231

PURGE DATA:

Date: 3/6/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		5.02	1.65	24.84	16	2.31		215
Monitor Reading (ppm): N/A		4.98	1.54	23.66	12	4.00		227
Well Casing Diameter & Material		4.97	1.54	23.83	11	6.73		231
Type: 2" PVC		4.98	1.54	23.98	9	7.80		231
Total Well Depth (TD): 20'		4.98	1.54	23.99	8	7.93		231
Static Water Level (WL): 3.15		4.98	1.54	24.01	5	8.00		231
One Casing Volume(gal/L): 3.1								
Start Purge (hrs): 1125								
End Purge (hrs): 1140								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3-40 ml Vials	✓

OBSERVATIONS / NOTES:

Flowrate ~~1.0~~ 100 ml/min

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1810

Sample ID No.: TT-MW-15S
Sample Location: MW-15S
Sampled By: S. McGuire
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

SAMPLING DATA:

Date: 3/6/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1225	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	clear	6.77	0.373	23.16	0	0.47		-93

PURGE DATA:

Date: 3/6/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		7.21	0.425	24.10	3.5	2.00		-91
Monitor Reading (ppm): N/A		6.82	0.392	23.29	2.1	0.63		-78
Well Casing Diameter & Material		6.73	0.386	23.19	0	0.50		-85
Type: 2" PVC		6.77	0.373	23.16	0	0.47		-93
Total Well Depth (TD): 10								
Static Water Level (WL): 2.70								
One Casing Volume(gal/L): 3.1								
Start Purge (hrs): 1205								
End Purge (hrs): 1220								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3-40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.181D

Sample ID No.: TT-MW-15D
Sample Location: MW-15D
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/6/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1305	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	clear	5.70	0.160	23.79	0	4.24		-29

PURGE DATA:

Date: 3/6/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		5.76	0.196	23.60	5.1	1.59		-5
Monitor Reading (ppm): N/A		5.68	0.174	23.24	2.8	0.90		-5
Well Casing Diameter & Material		5.63	0.166	23.36	0	2.39		-11
Type: 2" PVC		5.63	0.164	23.32	0	3.27		-14
Total Well Depth (TD):		5.64	0.164	23.44	0	3.69		-15
Static Water Level (WL): 2.87		5.65	0.164	23.57	0	4.07		-17
One Casing Volume(gal/L): 3.1		5.68	0.161	23.76	0	4.19		-27
Start Purge (hrs): 1230		5.70	0.160	23.79	0	4.24		-29
End Purge (hrs): 1300								
Total Purge Time (min): 30								
Total Vol. Purged (gal/L): 3.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3- 40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle if Applicable:

MS/MSD

Duplicate ID No.: TT-Dup-1

Signature(s):

Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1810

Sample ID No.: TT-MW-14S
Sample Location: MW-14S
Sampled By: S. McGuire
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

SAMPLING DATA:

Date: 3/6/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1435	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	clear	6.34	0.296	24.96	3.7	0.84		-133

PURGE DATA:

Date: 3/6/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		6.41	0.302	24.98	19.1	2.44		-114
Monitor Reading (ppm):		6.31	0.298	24.98	14.2	0.79		-121
Well Casing Diameter & Material		6.28	0.298	24.87	11.4	1.03		-124
Type: 2" PVC		6.35	0.298	24.92	8.6	0.97		-137
Total Well Depth (TD): 10'		6.34	0.296	24.96	3.7	0.84		-133
Static Water Level (WL): 2.33								
One Casing Volume(gal/L):								
Start Purge (hrs): 1415								
End Purge (hrs): 1430								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3 - 40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1811.0

Sample ID No.: TT-MW-14D
Sample Location: MW-14D
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/6/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1720	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	Yellow	6.16	0.146	26.37	150	0.58		-117

PURGE DATA:

Date: 3/6/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump	.5	6.15	0.152	25.98	220	3.33		-86
Monitor Reading (ppm): N/A	2.0	6.16	0.150	25.98	150	1.28		-90
Well Casing Diameter & Material	3.5	6.14	0.149	26.01	150	0.76		-93
Type: 2" PVC	4.5 ~~5.5~~	6.13	0.149	26.14	150	0.68		-95
Total Well Depth (TD): 20'	6	6.12	0.148	26.32	150	0.59		-98
Static Water Level (WL): 2.33	7.5	6.13	0.147	26.49	150	0.56		-104
One Casing Volume(gal/L): 3.1	9	6.14	0.147	26.54	150	0.57		-108
Start Purge (hrs): 1440	10.5	6.14	0.146	26.50	150	0.56		-111
End Purge (hrs): 1715	12	6.15	0.146	26.48	150	0.57		-114
Total Purge Time (min): 155	13.5	6.16	0.146	26.43	150	0.58		-116
Total Vol. Purged (gal/L): 15	15	6.16	0.146	26.37	150	0.58		-117

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3 - 40 ml Vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle If Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.181D

Sample ID No.: TT-MW-13S
Sample Location: MW-13S
Sampled By: S. McGuire
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

SAMPLING DATA:

Date: 3/7/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 0845	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	Clear	6.89	0.455	23.64	18	0.91		-93

PURGE DATA:

Date: 3/7/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		6.51	0.479	23.41	230	3.16		109
Monitor Reading (ppm): N/A		6.60	0.487	23.43	140	0.85		85
Well Casing Diameter & Material		6.76	0.472	23.49	80	1.03		-25
Type: 2" PVC		6.82	0.470	23.48	55	1.11		-51
Total Well Depth (TD): 101'		6.85	0.468	23.56	45	1.08		-64
Static Water Level (WL): 3.13		6.86	0.467	23.60	40	1.05		-72
One Casing Volume(gal/L): 3.1		6.87	0.462	23.61	33	1.01		-81
Start Purge (hrs): 0810		6.89	0.457	23.60	26	0.93		-89
End Purge (hrs): 0840		6.89	0.455	23.64	18	0.91		-93
Total Purge Time (min): 30								
Total Vol. Purged (gal/L): 3								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3 - 40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Flowthru cell + Tubing = 440 ml

Circle If Applicable:

MS/MSD

Duplicate ID No.: ~~TT-Dup-2~~

Signature(s):

Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1B1D

Sample ID No.: TT-MW-13D
Sample Location: MW-13D
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[x] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[x] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/7/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 0915	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	Clear	5.52	0.172	24.81	3	3.75		-48

PURGE DATA:

Date: 3/7/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		5.23	0.193	24.46	19	2.02		83
Monitor Reading (ppm): N/A		5.27	0.191	24.46	18	1.66		67
Well Casing Diameter & Material		5.29	0.191	24.47	16	1.61		57
Type: 2" PVC		5.32	0.189	24.44	15	1.04		48
Total Well Depth (TD): 20'		5.42	0.184	24.68	19	2.60		-1
Static Water Level (WL): 3.32		5.48	0.178	24.74	14	3.35		-25
One Casing Volume(gal/L): 3.1		5.49	0.176	24.82	9	3.51		-42
Start Purge (hrs): 0850		5.51	0.174	24.86	6	3.69		-47
End Purge (hrs): 0910		5.52	0.172	24.81	3	3.75		-48
Total Purge Time (min): 20								
Total Vol. Purged (gal/L): 2								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3 - 40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	TT-Dup-2

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.181D

Sample ID No.: TT-MW-165
Sample Location: MW-16S
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/7/03 Time: 0950 Method:	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	clear	5.67	0.298	21.69	0	1.62		-103

PURGE DATA:

Date: 3/7/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		5.79	0.301	21.95	60	2.98		-89
Monitor Reading (ppm): N/A		6.02	0.308	21.80	56	0.94		-130
Well Casing Diameter & Material		5.72	0.298	21.55	25	1.19		-100
Type: 2" PVC		5.67	0.299	21.82	14	1.28		-98
Total Well Depth (TD): 10		5.75	0.298	21.59	11	1.36		-110
Static Water Level (WL): 1.91		5.69	0.295	21.59	6	1.49		-102
One Casing Volume(gal/L): 3.1		5.67	0.298	21.69	0	1.62		-103
Start Purge (hrs): 0930								
End Purge (hrs): 0945								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3 - 40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle If Applicable:

MS/MSD | Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.181D

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: TT-MW-16D
Sample Location: MW-16D
Sampled By: S. McGuire
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/7/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1020	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	clear	5.65	0.379	22.68	0	2.57		-68

PURGE DATA:

Date: 3/7/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		5.67	0.380	22.52	11	3.24		-57
Monitor Reading (ppm): N/A		5.66	0.380	22.67	8	2.15		-64
Well Casing Diameter & Material		5.64	0.379	22.71	5	2.32		-69
Type: 2" PVC		5.64	0.379	22.70	3	2.48		-65
Total Well Depth (TD): 18.5		5.65	0.379	22.68	0	2.57		-68
Static Water Level (WL): 1.85								
One Casing Volume(gal/L): 3.1								
Start Purge (hrs): 1000								
End Purge (hrs): 1015								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3 - 40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Key left in lock

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1B1D

Sample ID No.: TT-MW-95
Sample Location: MW-95
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/7/03 Time: 1115 Method:	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	clear	6.65	0.364	24.31	1	0.52		-107

PURGE DATA:

Date: 3/7/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		6.77	0.369	24.41	12	2.19		-97
Monitor Reading (ppm): N/A		6.59	0.365	24.20	10	0.53		-102
Well Casing Diameter & Material Type: 2" PVC		6.61	0.364	24.25	4	0.57		-104
		6.61	0.363	24.22	1	0.51		-105
Total Well Depth (TD): 10'		6.65	0.364	24.31	1	0.52		-107
Static Water Level (WL): 2.74								
One Casing Volume(gal/L): 3.1								
Start Purge (hrs): 1055								
End Purge (hrs): 1110								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3- 40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1B1D

Sample ID No.: TT-MW-9D
Sample Location: MW-9D
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/7/03 Time: 1140	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
Method:	clear	4.92	0.418	25.11	3	5.54		31

PURGE DATA:

Date: 3/7/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		4.69	0.421	24.88	38	2.66		73
Monitor Reading (ppm): N/A		4.79	0.421	24.78	24	6.09		61
Well Casing Diameter & Material Type: 2" PVC		4.80	0.421	24.85	19	6.47		59
		4.80	0.420	24.94	14	5.91		57
Total Well Depth (TD): 20'		4.85	0.419	24.93	9	5.44		47
Static Water Level (WL): 2.70		4.86	0.419	24.99	8	5.47		46
One Casing Volume(gal/L): 3.1		4.87	0.419	25.05	11	5.57		43
Start Purge (hrs): 1120		4.92	0.418	25.11	3	5.54		31
End Purge (hrs): 1135								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3-40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Scott R McA

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1810

Sample ID No.: TT-MW-12
Sample Location: MW-12
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/10/03 Time: 0940 Method:	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	clear	6.17	0.689	26.27	0.4	1.22		-1

PURGE DATA:

Date: 3/10/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		6.19	0.699	25.92	25.8	0.74		12
Monitor Reading (ppm): N/A		6.20	0.690	26.15	14.2	0.75		-1
Well Casing Diameter & Material		6.18	0.690	26.15	6.9	0.92		-1
Type: 2" PVC		6.18	0.690	26.19	0.4	1.06		-1
Total Well Depth (TD): 20		6.17	0.689	26.27	0.4	1.22		-1
Static Water Level (WL): 3.65								
One Casing Volume(gal/L): 3.1								
Start Purge (hrs): 0920								
End Purge (hrs): 0935								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3-40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min
Flowthru cell + tubing = 440 ml
Horiba Autocalibrated with standards, Ph 4.00 0.0 ntu 4.49 mS/cm
Lamotte Turbidmeter calibrated to 10 ntu, 0.0 ntu

Circle if Applicable: MS/MSD	Duplicate ID No.:	Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1810

Sample ID No.: TT-MW-11
Sample Location: MW-11
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/10/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1020	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	clear	5.35	1.34	23.95	8	3.52		-32

PURGE DATA:

Date: 3/10/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		5.20	1.34	23.91	10	3.03		27
Monitor Reading (ppm): N/A		5.30	1.34	23.93	17	0.97		-4
Well Casing Diameter & Material		5.31	1.34	23.88	11	0.98		-10
Type: 2" PVC		5.31	1.34	23.89	6	2.56		-14
Total Well Depth (TD): 20		5.31	1.34	23.91	5	3.27		-19
Static Water Level (WL): 3.74		5.33	1.34	23.92	7	3.39		-21
One Casing Volume(gal/L):		5.33	1.34	23.96	2	3.43		-24
Start Purge (hrs): 0950		5.34	1.34	23.94	4	3.54		-27
End Purge (hrs): 1015		5.35	1.34	23.95	8	3.52		-32
Total Purge Time (min): 25								
Total Vol. Purged (gal/L): 2.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3-40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	TT-Dup-3

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1B1D

Sample ID No.: TT-MW-3
Sample Location: MW-3
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/10/03 Time: 1050 Method:	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	clear	7.45	0.172	22.43	2.9	0.97		-212

PURGE DATA:

Date: 3/10/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		4.61	0.188	22.51	42.1	3.14		-201
Monitor Reading (ppm): N/A		7.41	0.184	22.47	34.8	2.00		-203
Well Casing Diameter & Material		7.44	0.179	22.39	19.6	1.41		-206
Type: 2" PVC		7.44	0.175	22.41	9.1	1.02		-209
Total Well Depth (TD): 18'		7.45	0.172	22.43	2.9	0.97		-212
Static Water Level (WL): 2.21								
One Casing Volume(gal/L): 3.1								
Start Purge (hrs): 1030								
End Purge (hrs): 1045								
Total Purge Time (min): 105015								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3-40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.101D

Sample ID No.: TT-MW-12
Sample Location: MW-12
Sampled By: S. McGuire
C.O.C. No.:

- [ ] Domestic Well Data
- [x] Monitoring Well Data
- [ ] Other Well Type:
- [ ] QA Sample Type:

Type of Sample:
- [x] Low Concentration
- [ ] High Concentration

SAMPLING DATA:

Date: 3/10/07	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1120	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	clear	5.98	0.598	27.78	0	0.73		-145

PURGE DATA:

Date: 3/10/07	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		6.02	0.567	27.24	42.9	3.97		-115
Monitor Reading (ppm): N/A		6.02	0.571	27.36	19.2	1.68		-122
Well Casing Diameter & Material		5.98	0.589	27.49	4.1	0.96		-130
Type: 2" PVC		5.98	0.597	27.72	3.2	0.81		-140
Total Well Depth (TD): 20'		5.98	0.598	27.78	0	0.73		-145
Static Water Level (WL): 3.1								
One Casing Volume(gal/L): 3.1								
Start Purge (hrs): 1100								
End Purge (hrs): 1115								
Total Purge Time (min): ~~15~~ 20 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3-40 ml Vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle If Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.181D

Sample ID No.: TT-MW-6
Sample Location: MW-6
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/10/03 Time: 1155	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
Method:	clear	6.34	0.325	22.37	1.6	0.59		-71

PURGE DATA:

Date: 3/10/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		6.12	0.335	22.61	11.1	4.07		10
Monitor Reading (ppm): N/A		6.34	0.328	22.36	5.5	1.30		-17
Well Casing Diameter & Material		6.49	0.325	22.36	4.4	0.84		-60
Type: 2" PVC		6.47	0.325	22.37	3.9	0.72		-68
Total Well Depth (TD): 10'		6.34	0.325	22.37	1.6	0.59		-71
Static Water Level (WL): 3.95								
One Casing Volume(gal/L): 3.1								
Start Purge (hrs): 1135								
End Purge (hrs): 1150								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3 - 40 ml Vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1B1D

Sample ID No.: TT-MW-5
Sample Location: MW-5
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/10/03 Time: 1225 Method:	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	clear	6.28	0.300	22.96	4.7	1.58		36

PURGE DATA:

Date: 3/10/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		6.21	0.311	22.91	13.6	3.38		35
Monitor Reading (ppm): N/A		6.26	0.308	22.87	8.0	1.37		32
Well Casing Diameter & Material Type: 2" PVC		6.29	0.304	22.89	10.6	0.85		30
		6.27	0.301	22.90	8.2	1.61		31
Total Well Depth (TD): 10'		6.24	0.299	22.91	5.3	1.72		33
Static Water Level (WL): 4.12		6.28	0.300	22.96	4.7	1.58		36
One Casing Volume(gal/L): 3.1								
Start Purge (hrs): 1205								
End Purge (hrs): 1220								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 1.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3-40 ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle if Applicable:

MS/MSD

Duplicate ID No.: Dup ~~TT-Dup-4~~ Site

Signature(s):

Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1B1D

Sample ID No.: TT-MW-4
Sample Location: MW-4
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/10/03 Time: 1255 Method:	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	clear	5.61	0.605	24.06	6.8	7.68		104

PURGE DATA:

Date: 3/10/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		5.79	0.622	24.32	16.8	6.41		84
Monitor Reading (ppm): N/A		5.76	0.616	24.13	9.2	4.84		85
Well Casing Diameter & Material		5.75	0.614	24.18	8.4	7.65		87
Type: 2" PVC		5.62	0.606	24.21	9.3	8.34		104
Total Well Depth (TD): 19'		5.62	0.606	24.11	10.1	7.59		104
Static Water Level (WL): 3.44		5.62	0.605	24.08	7.2	7.73		104
One Casing Volume(gal/L): 3.1		5.61	0.605	24.06	6.8	7.68		104
Start Purge (hrs): 1230								
End Purge (hrs): 1250								
Total Purge Time (min): 20								
Total Vol. Purged (gal/L): 2.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3- 40ml vials	✓

OBSERVATIONS / NOTES:

Flowrate 100 ml/min

Circle If Applicable:

MS/MSD

Duplicate ID No.: TT-Dup-4

Signature(s):

Scott R. McG

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: American Beryllium
Project No.: N1075.1B1D

Sample ID No.: TJ-DW-1
Sample Location: DW-1
Sampled By: S. McGuire
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 3/10/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1430	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	clear	11.28	0.958	29.25	5.2	1.78		-295

PURGE DATA:

Date: 3/10/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		5.61	0.412	29.46	59.1	8.76		-59
Monitor Reading (ppm): N/A		11.09	0.883	29.20	17.5	3.11		-242
Well Casing Diameter & Material		11.20	0.927	29.24	8.8	1.39		-247
Type: 2" PVC		11.23	0.939	29.14	7.0	1.52		-261
Total Well Depth (TD): 93		11.26	0.954	29.00	4.1	1.61		-291
Static Water Level (WL): 11.88		11.28	0.958	29.25	5.2	1.78		-295
One Casing Volume(gal/L): 3.1								
Start Purge (hrs): 1330								
End Purge (hrs): 1430								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 24								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8260	HCl	3-40 ml Vials	✓

OBSERVATIONS / NOTES:

Flowrate 400 ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Scott R. McG

APPENDIX V
WASTE
MANIFESTS

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	030/217

3. Generator's Name and Mailing Address: TETRA TECH, NUS
401 E. OCEAN Blvd STE 810
LONG BEACH, FL 90802

4. Generator's Phone (562) 495-0495

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
SWS Environmental	FL0.000996744	727-546-6193
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Clark Environmental 755 Prarie INDUSTRIAL PKWY Mulberry, FL 33860	FLD.984.206.003	863-425-4884

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA Regulated INDUSTRIAL Solid WASTE	009	DM	495 ~~00~~	165
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: 8276 - DT01

E. Handling Codes for Wastes Listed Above:

15. Special Handling Instructions and Additional Information:

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
JOHN NUNAN AS Agent		02	04	03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JESSE MCKINNEY		02	04	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space:

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
SHARON R. CLESS		02	04	03

GENERATOR

TRANSPORTER

FACILITY

TRANSPORTER #1

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1 of

0301217

3. Generator's Name and Mailing Address: Terra Tech, NUS 401 E. Ocean BlVD ste 810

4. Generator's Phone (562 0495 Long Beach FlA 90802

5. Transporter 1 Company Name: SWS - Environmental

6. US EPA ID Number: FL0000996744

A. Transporter's Phone: 727-546-6193

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address: Clark environmental 755 Praiee Ind. Pkwy mulberry FlA 33860

10. US EPA ID Number: FLD984206003

C. Facility's Phone: 863-425-4884

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA Indurisdual Soild waste	008	DM	440 (~~4000~~)	lbs
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

8276- DT01

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

In case of of emergcy number 1-800-852-8878

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jesse McKinney Signature: [signature] Month Day Year: 02 04 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ~~Jesse~~ Signature Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: JOHN NUNAN Signature: [signature] Month Day Year: 02 04 05

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: SHARON L CRESS Signature: [signature] Month Day Year: 02 04 05

GENERATOR — TRANSPORTER — FACILITY

Printed by J.J. KELLER & ASSOCIATES, INC. Neenah, WI

TRANSPORTER #1

INTO TANK #5

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of 1	
FLCES02	00001		03D1217

3. Generator's Name and Mailing Address: American Beryllium c/o TETRA TECH, NUS 401 E. OCEAN Blvd STE 810 LONG Beach, FL 40802

4. Generator's Phone (562) 495-0995

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
SWS Environmental	FL0.0.0.0.9.9.6.7.4.4	727-546-6193
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Southern Waste Services 901 McCloskey Blvd Tampa, FL 33605-6717	FLR0.0.0.0.1.2.8.2.3	813-241-0282

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA Regulated Petroleum Product water	012	DM	660 ~~250~~ G.W.	G ~~lb~~
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

In case of emergency 1-800-852-8878

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Jesse McKinney agent	Jesse McKinney	02	04	03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John	JOHN NUNAN	02	04	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

634 gallons METERED

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Willie Cook	Willie Cook	02	04	03

GENERATOR — TRANSPORTER — FACILITY

ORIGINAL – RETURN TO GENERATOR

USBIOSYSTEMS

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-1

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-8S
Date Sampled: 03/06/2003
Time Sampled: 10:15
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-1

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-8S
Date Sampled: 03/06/2003
Time Sampled: 10:15
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	(continued)						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-1

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-8S
Date Sampled: 03/06/2003
Time Sampled: 10:15
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	109	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	90.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	102	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-2

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-8D
Date Sampled: 03/06/2003
Time Sampled: 10:45
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
crylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
enzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-2

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-8D
Date Sampled: 03/06/2003
Time Sampled: 10:45
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	(continued)						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
.-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
'inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-2

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-8D
Date Sampled: 03/06/2003
Time Sampled: 10:45
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	118	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	98.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	108	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

P# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
USACE
VA CERT# 00395

DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

NC CERT# 444
IL CERT# 200020

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Page: Page 1 of 3
Date: 03/13/2003
Log #: L73952-3

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-7S
Date Sampled: 03/06/2003
Time Sampled: 11:15
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
crylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
enzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-7S
Date Sampled: 03/06/2003
Time Sampled: 11:15
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	(continued)						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-3

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-7S
Date Sampled: 03/06/2003
Time Sampled: 11:15
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	110	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	89.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	100	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
USACE
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
IL CERT# 200020

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-4

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-7D
Date Sampled: 03/06/2003
Time Sampled: 11:45
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
enzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
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Date: 03/13/2003
Log #: L73952-4

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-7D
Date Sampled: 03/06/2003
Time Sampled: 11:45
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	(continued)						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
exachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-4

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-7D
Date Sampled: 03/06/2003
Time Sampled: 11:45
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	110	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	92.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	99.0	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-5

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-15S
Date Sampled: 03/06/2003
Time Sampled: 12:25
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-5

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-15S
Date Sampled: 03/06/2003
Time Sampled: 12:25
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	(continued)						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-5

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-15S
Date Sampled: 03/06/2003
Time Sampled: 12:25
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	113	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	85.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	91.0	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
USACE
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
IL CERT# 200020

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-6

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-15D
Date Sampled: 03/06/2003
Time Sampled: 13:05
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-6

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-15D
Date Sampled: 03/06/2003
Time Sampled: 13:05
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	(continued)						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	1.6	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-6

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-15D
Date Sampled: 03/06/2003
Time Sampled: 13:05
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	112	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	91.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	101	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

?# 980126	DOH# E86240	NC CERT# 444
SUB DOH# 86122,86109,E86048	ADEM ID# 40850	IL CERT# 200020
SC CERT# 96031001	TN CERT# 02985	
USACE	GA CERT# 917	
VA CERT# 00395	USDA Soil Permit# S-35240	

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-7

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-14S
Date Sampled: 03/06/2003
Time Sampled: 14:35
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-7

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-14S
Date Sampled: 03/06/2003
Time Sampled: 14:35
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	(continued)						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-7

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-14S
Date Sampled: 03/06/2003
Time Sampled: 14:35
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	117	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	91.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	100	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
USACE
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
IL CERT# 200020

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-8

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-14D
Date Sampled: 03/06/2003
Time Sampled: 17:20
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
crylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
enzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-8

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-14D
Date Sampled: 03/06/2003
Time Sampled: 17:20
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	(continued)						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-8

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-14D
Date Sampled: 03/06/2003
Time Sampled: 17:20
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	114	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	93.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	105	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

↓P# 980126	DOH# E86240	NC CERT# 444
SUB DOH# 86122,86109,E86048	ADEM ID# 40850	IL CERT# 200020
SC CERT# 96031001	TN CERT# 02985	
USACE	GA CERT# 917	
VA CERT# 00395	USDA Soil Permit# S-35240	

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Page: Page 1 of 3
Date: 03/13/2003
Log #: L73952-9

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-13S
Date Sampled: 03/07/2003
Time Sampled: 08:45
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
`crylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
enzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
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Date: 03/13/2003
Log #: L73952-9

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-13S
Date Sampled: 03/07/2003
Time Sampled: 08:45
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	(continued)						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
exachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-9

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-13S
Date Sampled: 03/07/2003
Time Sampled: 08:45
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	124	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	98.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	107	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
USACE
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
IL CERT# 200020

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-10

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-13D
Date Sampled: 03/07/2003
Time Sampled: 09:15
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-10

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-13D
Date Sampled: 03/07/2003
Time Sampled: 09:15
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	(continued)						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-10

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-13D
Date Sampled: 03/07/2003
Time Sampled: 09:15
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	119	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	100	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	111	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-11

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-16S
Date Sampled: 03/07/2003
Time Sampled: 09:50
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-16S
Date Sampled: 03/07/2003
Time Sampled: 09:50
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	(continued)						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-11

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-16S
Date Sampled: 03/07/2003
Time Sampled: 09:50
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	112	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	81.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	86.0	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

.P# 980126	DOH# E86240	NC CERT# 444
SUB DOH# 86122,86109,E86048	ADEM ID# 40850	IL CERT# 200020
SC CERT# 96031001	TN CERT# 02985	
USACE	GA CERT# 917	
VA CERT# 00395	USDA Soil Permit# S-35240	

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-12

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-16D
Date Sampled: 03/07/2003
Time Sampled: 10:20
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-12

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-16D
Date Sampled: 03/07/2003
Time Sampled: 10:20
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	(continued)						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-12

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-16D
Date Sampled: 03/07/2003
Time Sampled: 10:20
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	111	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	92.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	103	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | IL CERT# 200020
SC CERT# 96031001 | TN CERT# 02985
USACE | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-13

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-9S
Date Sampled: 03/07/2003
Time Sampled: 11:15
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Address: Tetra Tech NUS **Date:** 03/13/2003
5421 Beaumont Center Blvd. **Log #:** L73952-13
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-9S
Date Sampled: 03/07/2003
Time Sampled: 11:15
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
"exachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-13

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-9S
Date Sampled: 03/07/2003
Time Sampled: 11:15
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	124	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	99.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	111	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | IL CERT# 200020
SC CERT# 96031001 | TN CERT# 02985
USACE | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-14

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-9D
Date Sampled: 03/07/2003
Time Sampled: 11:40
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
enzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-9D
Date Sampled: 03/07/2003
Time Sampled: 11:40
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-14

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-9D
Date Sampled: 03/07/2003
Time Sampled: 11:40
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	110	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	86.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	94.0	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126	DOH# E86240	NC CERT# 444
SUB DOH# 86122,86109,E86048	ADEM ID# 40850	IL CERT# 200020
SC CERT# 96031001	TN CERT# 02985	
USACE	GA CERT# 917	
VA CERT# 00395	USDA Soil Permit# S-35240	

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-15

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DUP-1
Date Sampled: 03/06/2003
Time Sampled: 00:00
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DUP-1
Date Sampled: 03/06/2003
Time Sampled: 00:00
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	1.7	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
"exachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-15

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DUP-1
Date Sampled: 03/06/2003
Time Sampled: 00:00
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	103	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	75.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	84.0	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | IL CERT# 200020
SC CERT# 96031001 | TN CERT# 02985
USACE | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-16

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DUP-2
Date Sampled: 03/07/2003
Time Sampled: 00:00
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
\crylonitrile	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
enzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/13	03/13	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DUP-2
Date Sampled: 03/07/2003
Time Sampled: 00:00
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analys:
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/13/2003
Log #: L73952-16

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DUP-2
Date Sampled: 03/07/2003
Time Sampled: 00:00
Date Received: 03/07/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:							
Dibromofluoromethane	117	%	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	91.0	%	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	95.0	%	5030/8260	56-135	03/13	03/13	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | IL CERT# 200020
SC CERT# 96031001 | TN CERT# 02985
USACE | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

USBiosystems

CHAIN OF CUSTODY RECORD

Log # 73952/INTO   Quote: 1 of 2

	YES	NO	N/A
Samples INTACT upon arrival? 3	✓		
Received ON WET ICE? Temp 3	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIME?	✓		
CUSTODY SEALS INTACT?	✓		
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

Company Name: Tetra Tech NUS   PO#

Address: 5421 Beaumont Center Blvd suite 660

City: Tampa   State: FL   Zip: 33634

Attn: Scott McGuire   Fax# 813-806-0405

Project Name: American Beryllium   Proj#: Sarasota

Sampler Name/Signature: Scott R. McG[illegible]   Phone# 813-806-0202

Analysis: W / E / 8260

#	Sample ID	Date	Time	Matrix Code*			8260
1	TT-MW-8S	3/6	1015	GW	3	40 ml	3
2	TT-MW-8D	3/6	1045	↓	↓	↓	↓
3	TT-MW-7S	3/6	1115	↓	↓	↓	↓
4	TT-MW-7D	3/6	1145	↓	↓	↓	↓
5	TT-MW-15S	3/6	1225	↓	↓	↓	↓
6	TT-MW-15D	3/6	1305	↓	↓	↓	↓
7	TT-MW-14S	3/6	1435	↓	↓	↓	↓
8	TT-MW-14D	3/6	1720	↓	↓	↓	↓
9	TT-MW-13S	3/7	0845	↓	↓	↓	↓
0	TT-MW-13D	3/7	0915	↓	↓	↓ SRM	↓

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H_2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SU	Surface Water	O	Other (Please Specify)

Pres/Codes

A. None	G. $Na_2S_2O_3$
B. HNO_3	H. $NaHSO_4$
C. H_2SO_4	I. Ice
D. NaOH	J. MCAA
E. HCL	O. Other
F. MeOH	

REMARKS

please email results to mcguires@ttnus.com cc: crewf15@msn.com

7 (Y)N   3/14/03 Date required   Y ___ N ✓   None ✓ 1___ 2___ 3___ Other___   (Y) N   CP

Relinquished by	Date	Time	Received by	Date	Time
Scott R. McG[illegible]	3/7/03	1400	[signature]	3/7/03	1400
[signature]	3/7/03	1700	VE	3/7/03	1700
			CPlaser[illegible]	3/8/03	1430

#___

3231 N.W. 7th Avenue
Boca Raton, FL 33431
888-862-LABS
561-447-7373
888-456-4846 Fax
561-447-6136 Fax

C.O.C. # 53336

ORIGINAL

USBIOSYSTEMS

CHAIN OF CUSTODY RECORD

Log # B952 Quote: _____

	YES	NO	N/A
Samples INTACT upon arrival?			
Received ON WET ICE? Temp____			
PROPER PRESERVATIVES indicated?			
Received WITHIN HOLDING TIME?			
CUSTODY SEALS INTACT?			
VOLATILES rec'd W/OUT HEADSPACE?			
PROPER CONTAINERS used?			

Company Name: Tetra Tech NUS PO#:

Address: 5421 Beaumont Center Blvd

City: Tampa State: FL Zip: 33634

Attn: Scott McGuire Fax#: 813-806-0405

Project Name: American Beryllium Proj#: Sarasota

Sampler Name/Signature: Scott R. McG Phone#: 813-806-0202

				Matrix Code*			
1	TT-MW-16S	3/7	0950	GW	3	40 ml	
2	TT-MW-16D	3/7	1020				
3	TT-MW-9S	3/7	1115				
4	TT-MW-9D	3/7	1140				
5	TT-Dup-1	3/6	0000				
6	TT-Dup-2	3/7	0000				
7			Spare				
8							
9							
10							

E

0960

3

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H_2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SU	Surface Water	O	Other (Please Specify)

Pres/Codes

A. None	G. $Na_2S_2O_3$
B. HNO_3	H. $NaHSO_4$
C. H_2SO_4	I. Ice
D. NaOH	J. MCAA
E. HCL	O. Other
F. MeOH	

REMARKS

please email results to
mcguires@ttnus.com
cc: crewf15@msn.com

ORIGINAL

(Y/N) 7day | 3/17/03 Date required | Y ___ N ✓ | None ✓ 1___ 2___ 3___ Other___ | (Y) N | GP

		Date	Time		Date	Time
	Scott R. McGuire	3/7/03	1400		3/7/03	1400
		3/7/03	1700	VE	3/7/03	1700
#				Pleasure	3/8/03	1430

3231 N.W. 7th Avenue
Boca Raton, FL 33431
888-862-LABS
561-447-7373
888-456-4846 Fax
561-447-6136 Fax

C.O.C. # F3338

USBIOSYSTEMS

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-1

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-10
Date Sampled: 03/10/2003
Time Sampled: 09:40
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Acrolein	BDL	ug/l	5030/8260	50	03/14	03/14	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
enzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/14	03/14	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/14	03/14	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-10
Date Sampled: 03/10/2003
Time Sampled: 09:40
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	90	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloroethene	140	ug/l	5030/8260	1.0	03/14	03/14	BL
cis-1,2-Dichloroethene	48	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Methylene Chloride	40	ug/l	5030/8260	5.0	03/14	03/14	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Tetrachloroethene	13	ug/l	5030/8260	1.0	03/14	03/14	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Trichloroethene	820 L	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Vinyl Chloride	1.1	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-1

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-10
Date Sampled: 03/10/2003
Time Sampled: 09:40
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/14	03/14	BL
Surrogate Recoveries:							
Dibromofluoromethane	140	%	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	120	%	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	118	%	5030/8260	56-135	03/14	03/14	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

\P# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | IL CERT# 200020
SC CERT# 96031001 | TN CERT# 02985
USACE | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

for Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Page: Page 1 of 3
Date: 03/17/2003
Log #: L73981-2

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-11
Date Sampled: 03/10/2003
Time Sampled: 10:20
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Acrolein	BDL	ug/l	5030/8260	50	03/14	03/14	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
enzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/14	03/14	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Carbon Disulfide	10	ug/l	5030/8260	10	03/14	03/14	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/14	03/14	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-2

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-11
Date Sampled: 03/10/2003
Time Sampled: 10:20
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	14	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloroethene	7.9	ug/l	5030/8260	1.0	03/14	03/14	BL
cis-1,2-Dichloroethene	6.2	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Methylene Chloride	12	ug/l	5030/8260	5.0	03/14	03/14	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Tetrachloroethene	4.4	ug/l	5030/8260	1.0	03/14	03/14	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Trichloroethene	140	ug/l	5030/8260	10	03/14	03/14	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-2

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-11
Date Sampled: 03/10/2003
Time Sampled: 10:20
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/14	03/14	BL
Surrogate Recoveries:							
Dibromofluoromethane	131	%	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	115	%	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	112	%	5030/8260	56-135	03/14	03/14	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
USACE
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
IL CERT# 200020

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Page: Page 1 of 3
Date: 03/17/2003
Log #: L73981-3

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-3
Date Sampled: 03/10/2003
Time Sampled: 10:50
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Acrolein	BDL	ug/l	5030/8260	50	03/14	03/14	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
enzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/14	03/14	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/14	03/14	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-3
Date Sampled: 03/10/2003
Time Sampled: 10:50
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/14	03/14	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-3

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-3
Date Sampled: 03/10/2003
Time Sampled: 10:50
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/14	03/14	BL
Surrogate Recoveries:							
Dibromofluoromethane	136	%	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	107	%	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	95.0	%	5030/8260	56-135	03/14	03/14	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:nc known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

NP# 980126	DOH# E86240	NC CERT# 444
SUB DOH# 86122,86109,E86048	ADEM ID# 40850	IL CERT# 200020
SC CERT# 96031001	TN CERT# 02985	
USACE	GA CERT# 917	
VA CERT# 00395	USDA Soil Permit# S-35240	

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Page: Page 1 of 3
Date: 03/17/2003
Log #: L73981-4

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-6
Date Sampled: 03/10/2003
Time Sampled: 11:55
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Acrolein	BDL	ug/l	5030/8260	50	03/14	03/14	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
enzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/14	03/14	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/14	03/14	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-4

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-6
Date Sampled: 03/10/2003
Time Sampled: 11:55
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/14	03/14	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-4

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-6
Date Sampled: 03/10/2003
Time Sampled: 11:55
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/14	03/14	BL
Surrogate Recoveries:							
Dibromofluoromethane	131	%	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	117	%	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	113	%	5030/8260	56-135	03/14	03/14	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | IL CERT# 200020
SC CERT# 96031001 | TN CERT# 02985
USACE | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-5

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-5
Date Sampled: 03/10/2003
Time Sampled: 12:25
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Acrolein	BDL	ug/l	5030/8260	50	03/14	03/14	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
enzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/14	03/14	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/14	03/14	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
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Suite 660
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Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-5

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-5
Date Sampled: 03/10/2003
Time Sampled: 12:25
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/14	03/14	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-5

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-5
Date Sampled: 03/10/2003
Time Sampled: 12:25
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/14	03/14	BL
Surrogate Recoveries:							
Dibromofluoromethane	143	%	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	116	%	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	97.0	%	5030/8260	56-135	03/14	03/14	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | IL CERT# 200020
SC CERT# 96031001 | TN CERT# 02985
USACE | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-6

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-4
Date Sampled: 03/10/2003
Time Sampled: 12:55
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Acrolein	BDL	ug/l	5030/8260	50	03/14	03/14	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
enzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/14	03/14	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/14	03/14	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-4
Date Sampled: 03/10/2003
Time Sampled: 12:55
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/14	03/14	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Trichloroethene	2.1	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
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Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-6

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-4
Date Sampled: 03/10/2003
Time Sampled: 12:55
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/14	03/14	BL
Surrogate Recoveries:							
Dibromofluoromethane	138	%	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	119	%	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	113	%	5030/8260	56-135	03/14	03/14	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | IL CERT# 200020
SC CERT# 96031001 | TN CERT# 02985
USACE | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-7

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-12
Date Sampled: 03/10/2003
Time Sampled: 11:20
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Acrolein	BDL	ug/l	5030/8260	50	03/14	03/14	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
enzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/14	03/14	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/14	03/14	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-7

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-12
Date Sampled: 03/10/2003
Time Sampled: 11:20
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	23	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloroethene	30	ug/l	5030/8260	1.0	03/14	03/14	BL
cis-1,2-Dichloroethene	8.1	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Methylene Chloride	21	ug/l	5030/8260	5.0	03/14	03/14	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Tetrachloroethene	290	ug/l	5030/8260	10	03/14	03/14	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Trichloroethene	710	ug/l	5030/8260	10	03/14	03/14	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Vinyl Chloride	2.9	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-7

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-MW-12
Date Sampled: 03/10/2003
Time Sampled: 11:20
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/14	03/14	BL
Surrogate Recoveries:							
Dibromofluoromethane	127	%	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	102	%	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	90.0	%	5030/8260	56-135	03/14	03/14	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | IL CERT# 200020
SC CERT# 96031001 | TN CERT# 02985
USACE | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-8

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DW-1
Date Sampled: 03/10/2003
Time Sampled: 00:00
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	27	ug/l	5030/8260	10	03/14	03/14	BL
Acrolein	BDL	ug/l	5030/8260	50	03/14	03/14	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
enzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/14	03/14	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Carbon Disulfide	160	ug/l	5030/8260	10	03/14	03/14	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/14	03/14	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DW-1
Date Sampled: 03/10/2003
Time Sampled: 00:00
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/14	03/14	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Trichloroethene	1.9	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-8

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DW-1
Date Sampled: 03/10/2003
Time Sampled: 00:00
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/14	03/14	BL
Surrogate Recoveries:							
Dibromofluoromethane	123	%	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	113	%	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	111	%	5030/8260	56-135	03/14	03/14	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
USACE
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
IL CERT# 200020

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-9

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DUP-3
Date Sampled: 03/10/2003
Time Sampled: 00:00
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Acrolein	BDL	ug/l	5030/8260	50	03/14	03/14	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
enzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/14	03/14	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/14	03/14	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DUP-3
Date Sampled: 03/10/2003
Time Sampled: 00:00
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	12	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloroethene	6.8	ug/l	5030/8260	1.0	03/14	03/14	BL
cis-1,2-Dichloroethene	5.2	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Methylene Chloride	10	ug/l	5030/8260	5.0	03/14	03/14	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Tetrachloroethene	4.0	ug/l	5030/8260	1.0	03/14	03/14	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Trichloroethene	190	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-9

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DUP-3
Date Sampled: 03/10/2003
Time Sampled: 00:00
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/14	03/14	BL
Surrogate Recoveries:							
Dibromofluoromethane	140	%	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	123	%	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	120	%	5030/8260	56-135	03/14	03/14	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
USACE
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
IL CERT# 200020

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-10

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DUP-4
Date Sampled: 03/10/2003
Time Sampled: 00:00
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Acrolein	BDL	ug/l	5030/8260	50	03/14	03/14	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
enzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromochloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/14	03/14	BL
Bromoform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromomethane	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Chloroform	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Chloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/14	03/14	BL
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DUP-4
Date Sampled: 03/10/2003
Time Sampled: 00:00
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
-Hexanone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/14	03/14	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/14	03/14	BL
MTBE	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Naphthalene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Styrene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/14	03/14	BL
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Trichloroethene	3.1	ug/l	5030/8260	1.0	03/14	03/14	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

Client #: TAM-94-120329
Address: Tetra Tech NUS
5421 Beaumont Center Blvd.
Suite 660
Tampa, FL 33634
Attn: Scott McGuire

Date: 03/17/2003
Log #: L73981-10

Sample Description:

American Beryllium
Sarasota

Analytical Report: TT-DUP-4
Date Sampled: 03/10/2003
Time Sampled: 00:00
Date Received: 03/10/2003
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		03/14	03/14	BL
Surrogate Recoveries:							
Dibromofluoromethane	128	%	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	116	%	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	113	%	5030/8260	56-135	03/14	03/14	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

AP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | IL CERT# 200020
SC CERT# 96031001 | TN CERT# 02985
USACE | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

CHAIN OF CUSTODY RECORD

USBIOSYSTEMS

Log # 73981/TN10 Quote: _____

	YES	NO	N/A
Samples INTACT upon arrival? 2°			
Received ON WET ICE? Temp____			
PROPER PRESERVATIVES indicated?			
Received WITHIN HOLDING TIME?			
CUSTODY SEALS INTACT?			
VOLATILES rec'd W/OUT HEADSPACE?			
PROPER CONTAINERS used?			

Company Name: Tetra Tech NUS PO#

Address: 5421 Beaumont Ctr Center Blvd

City: Tampa State: FL Zip: 33634

Attn: Scott McGuire Fax# 813-806-0405

Project Name: American Beryllium Proj# Sarasota

Sampler Name/Signature: Scott R. McG Phone# 813-806-0202

		Matrix Code*												
							1							
							VOL							
							E							
							8260							
01	TT-MW-10	3/10	0940	GW	3	~~40ml~~	3	(3) V						
02	TT-MW-11		1020											
03	TT-MW-3		1050											
04	TT-MW-6		1155											
05	TT-MW-5		1225											
06	TT-MW-4		1255											
07	TT-MW-12		1120											
08	TT-DW-1													
09	TT-DUP-3		0000											
10	TT-DUP-4	SW	0000	↓	↓	↓ SOIL	↓	↓						

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H_2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SU	Surface Water	O	Other (Please Specify)

Pres/Codes

A. None	G. $Na_2S_2O_3$
B. HNO_3	H. $NaHSO_4$
C. H_2SO_4	I. Ice
D. NaOH	J. MCAA
E. HCL	O. Other
F. MeOH	

REMARKS

Please email results to mcguires@tnus.com
cc: to crewf15@msn.com

ORIGINAL

(Y) N 7day	3/11/03 Date required	Y____ N ✓	None ✓ 1____ 2____ 3____ Other____	(Y) N	WB

		Scott R. McG	3/10/03	1445	(illegible)	3/10/03	1445
		(illegible)	3/10/03	1700	VF	3/10/03	1700
					Kenyta Ba	3/11/03	0949

____

3231 N.W. 7th Avenue
Boca Raton, FL 33431
888-862-LABS
561-447-7373
888-456-4846 Fax
561-447-6136 Fax

C.O.C. # 53339