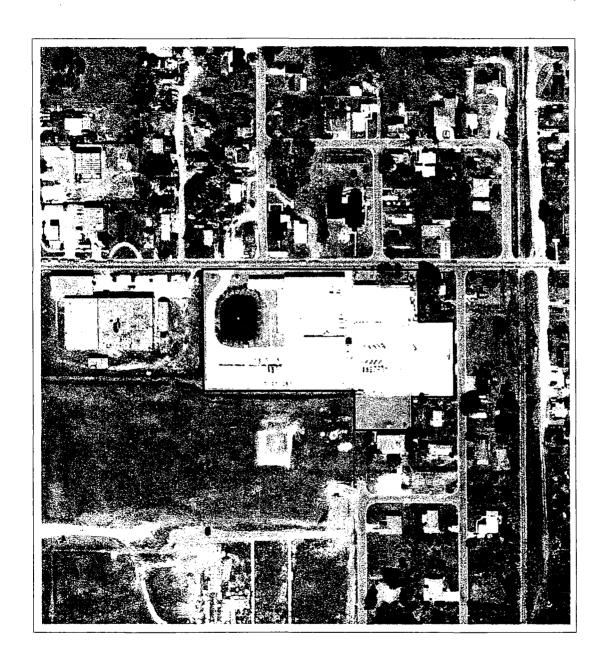
FINAL CONTAMINATION ASSESSMENT REPORT

Former American Beryllium Company 1600 Tallevast Road Tallevast, Florida





Final Contamination Assessment Report Former American Beryllium Company

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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:

- <u>Section 2 Site Background</u>: Provides a brief overview of the CAR, a site description, subsurface conditions, and a summary of previous site investigations;
- <u>Section 3 VOC Delineation Investigation</u>: Presents the technical approach to the contamination assessment program, and a description of the field methodology employed;
- <u>Section 4 Data Evaluation</u>: Presents and evaluates groundwater analytical data collected;
- <u>Section 5 Summary</u>: 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

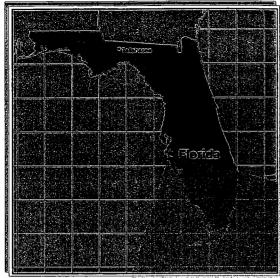
2.1 SITE LOCATION AND DESCRIPTION

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 ft² (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 1600 Tallevast Rd., Tallevast, FL.

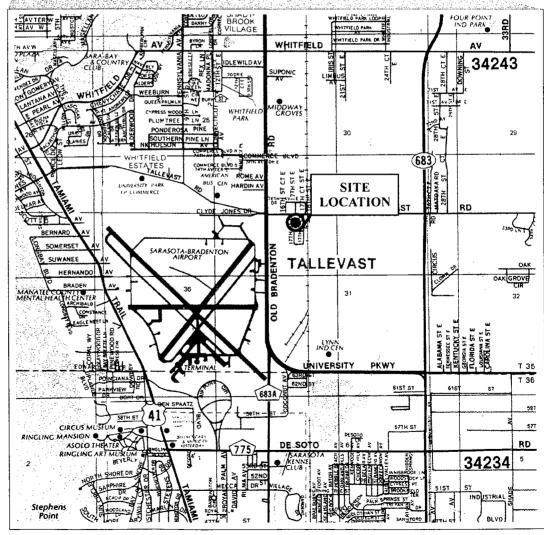
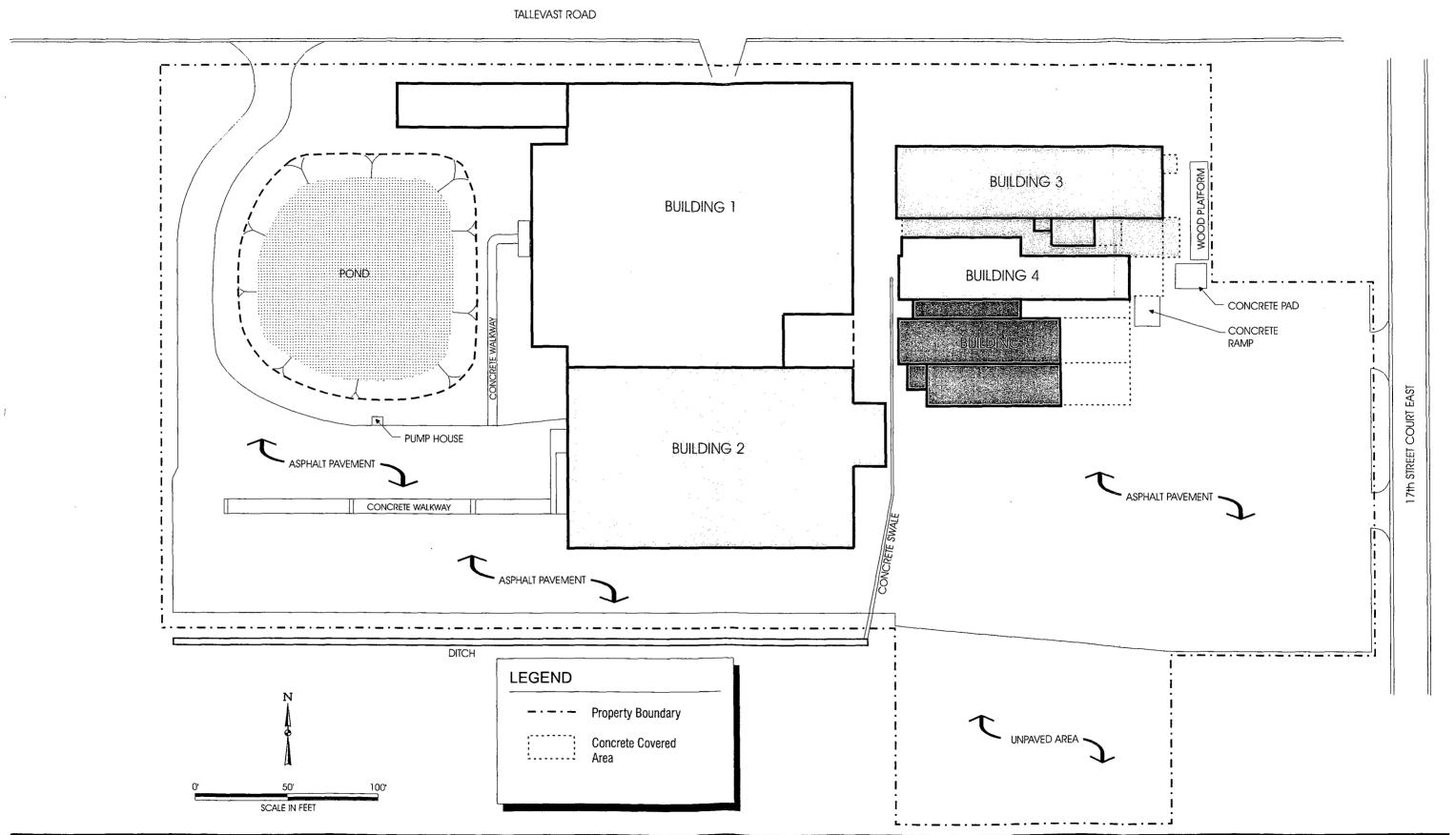


FIGURE 2-2 SITE OVERVIEW



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 1³/₄ 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, lowlying 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 ft²/d, although in western and coastal Manatee County, the transmissivity may be as high as 7,000 ft²/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 ft²/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 <u>Initial Contamination Assessment – February 2001</u>

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 <u>Supplemental Contamination Assessment – December 2001</u>

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

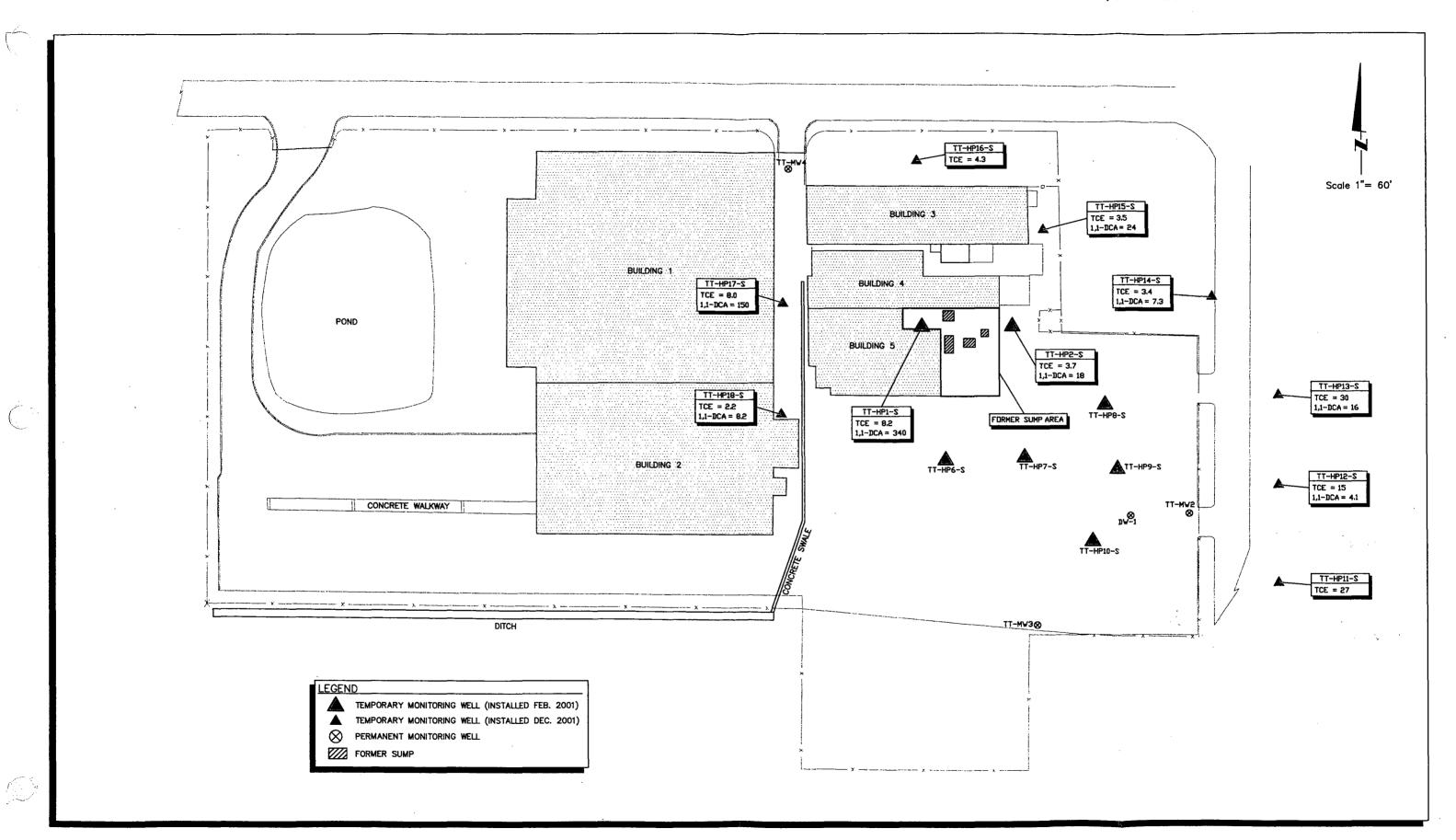


FIGURE 2-4 1,1-DCA ISOCONCENTRATIONS AT 20 FEET BGS

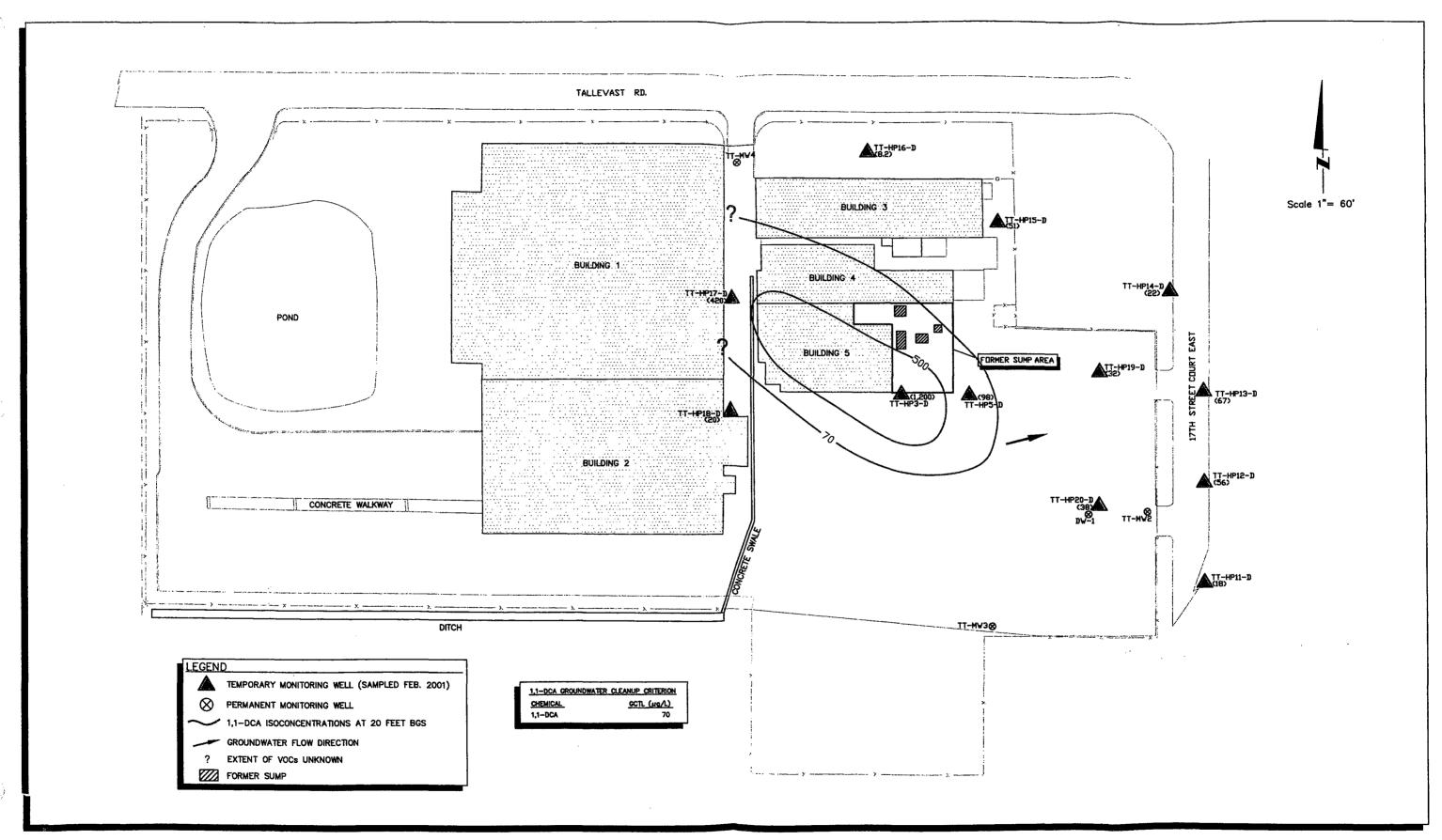
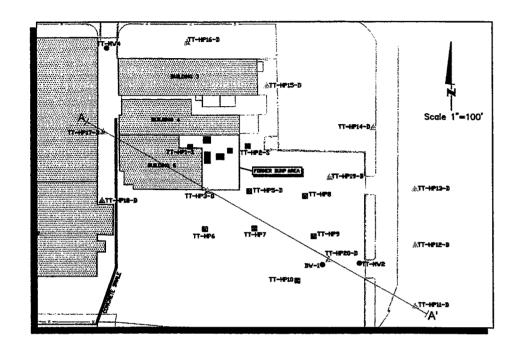
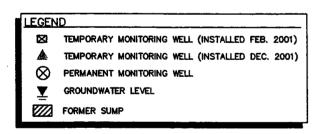
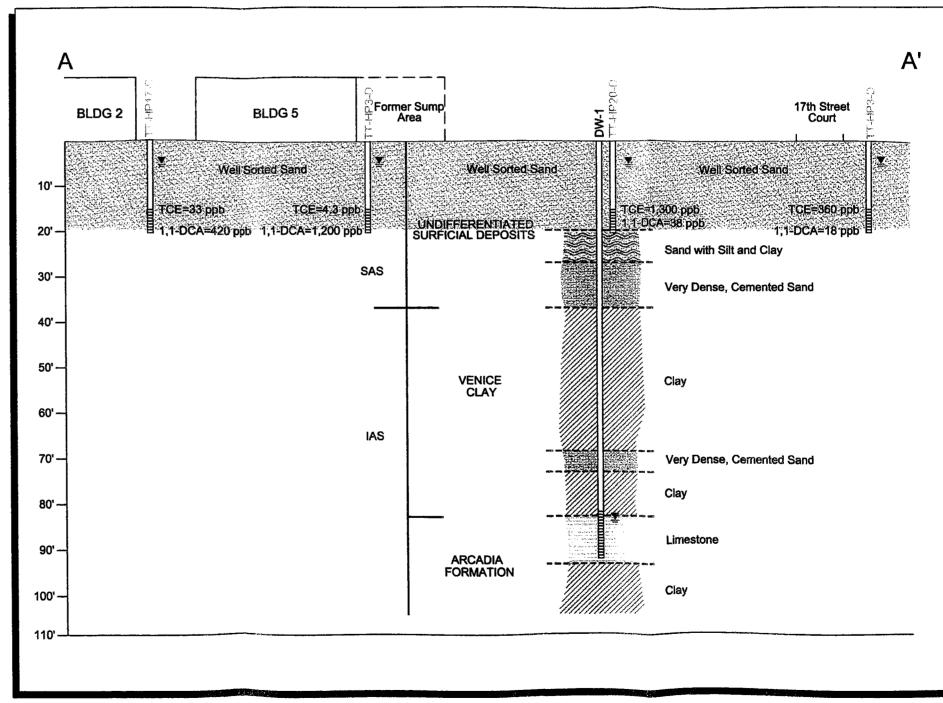


FIGURE 2-6 CROSS-SECTION A-A'







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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;
- <u>Phase II</u> 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 <u>Sampling Approach</u>

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 resurfaced to match the surrounding pavement (concrete or asphalt).

3.2.3 <u>Analytical Results</u>

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.

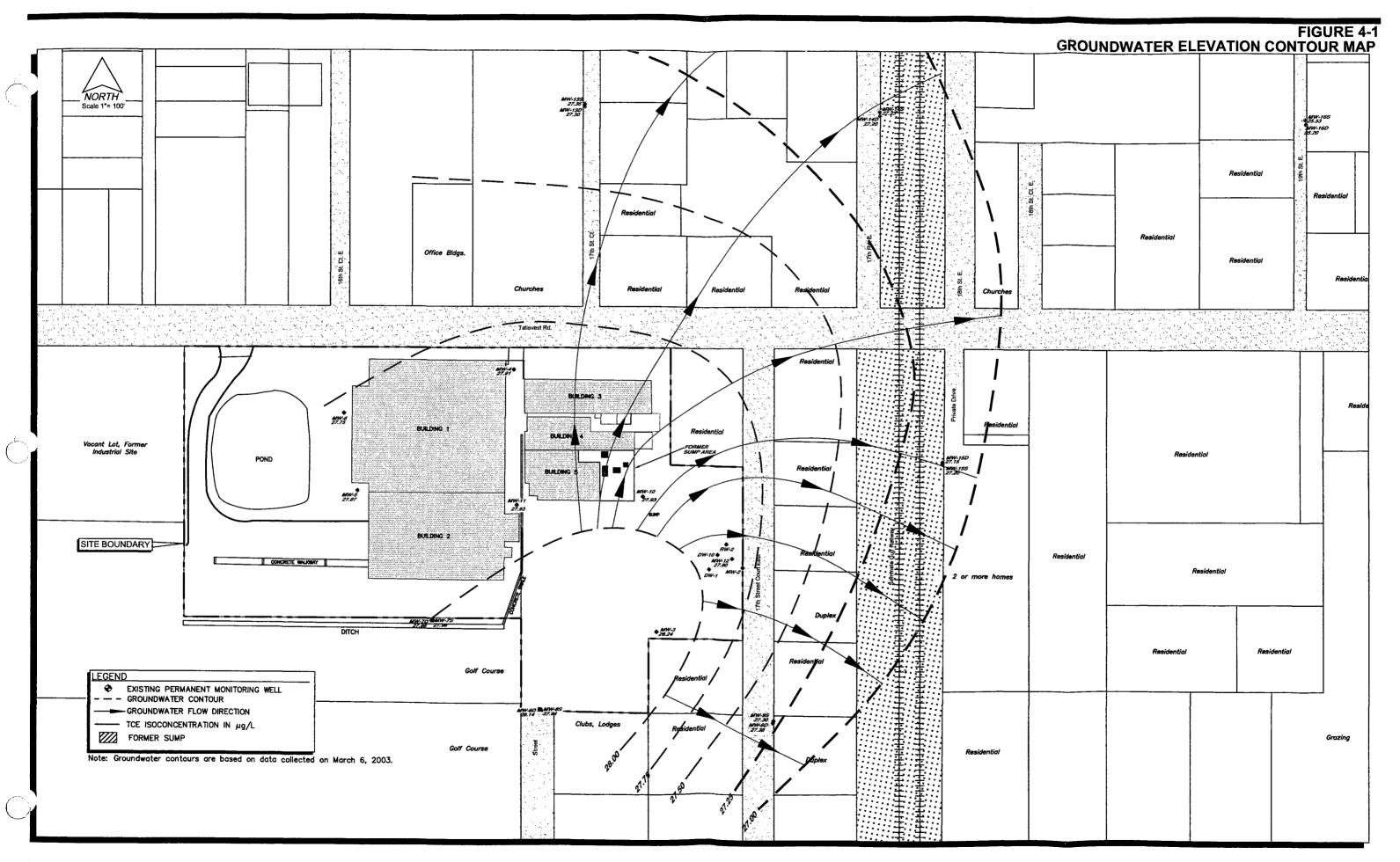
Groundwater Analytical Data at 10 Feet bgs

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

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Sample I.D.	Chemical	Max. Detection	GCTL
Cample 1.D.	(μg/L)	(ug/L)	(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 ₂ Fl 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.



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	Max. Detection	GCTL
Sample LD.	(μ g/ L)	(ug/L)	(ug/L)
TT-HP3-D	1,1-DCE	25	7
11-11-3-15	1,1-DCA	210	70
	Dichlorofluoromethane	12	1400
	1,1-DCE	18	7
TT-HP5-D	1,1-DCA	56	70
1	c-1,2-DCE	14	70
	TCÉ	110	3
	PCE	20	3
	1,1-DCA	72	70
TT-HP15-D	c-1,2-DCE	64	70
	TCE	.2100	3
	PCE	20	3
	1,1-DCE	14.9	7
TT-HP17-D	1,1-DCA	98.9	70
	c-1,2-DCE	1	70
	TCE	53.4	3
1	1,1-DCE	31	7
	1,1-DCA	43	70
TT-HP18-D	c-1,2-DCE	33	70
	TCE	1500	3
	PCE	13	3
	Dichlorofluoromethane	87	1400
TT-HP19-D	c-1,2-DCE	103	70
	TCE	2050	3
	Methylethylketone	520	No Standard
1	1,1-DCE	29	7
TT-HP20-D	1,1-DCA	25 640	70
	TCE PCE		3
		300	3
1	1,1-DCE	21.4	7
TT IIDOL D	1,1-DCA	18.4	70
TT-HP21-D	c-1,2-DCE	9.6	70
	TCE	22.2	3
	PCE	1.79	5
TT-HP22-D	Carbon Disulfide	9.92	No Standard
TT-HP23-D	No VOCs Detected	9.92 NA	NA
11-0123-17	140 AOC2 Defected	INA.	NA NA

TABLE 3-3 (continued)

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

Sample I.D.	Chemical	Concentration	GCTL
Sample 1.D.	(μ g /L)	(ug/L)	(ug/L)
	1,1-DCE	6.00	7
I	1,1-DCA	12.70	70
TT-HP24-D	c-1,2-DCE	12.70	70
	TCE	4.30	3
	PCE	9.45	3
TT-HP25-D	No VOCs Detected	NA ·	NA
	1,1-DCE	1.31	7
	t-1,2-DCE	1.7	100
TT-HP26-D	1,1-DCA_	1.54	<u>7</u> 0
1	c-1,2-DCE	6.24	70
	TCE	61.6	3
TT-HP27-D	No VOCs Detected	NA .	NA
1	1,1-DCE	44.30	7
1	1,1-DCA_	30.60	70
TT-HP28-D	c-1,2-DCE	2.00	70
	TCE	34.30	3
	1,1,2-TCA	1.02	5
	1,1-DCE	5.28	7
	1,1-DCA_	6.64	70
TT-HP29-D	c-1,2-DCE	8.22	70
1	TCE	190	3
	PCE	1.52	3
	Carbon Disulfide	6.22	No Standard
	c-1,2-DCE	44	70
TT-HP30-D	TCE	630	3
1	102	050	
	1,1-DCE	5.60	7
TT-HP31-D	1,1-DCA	4.90	7 0
	Carbon Disulfide	5.90	No Standard
	1,1-DCE	4.80	7
TT-HP32-D	1,1-DCA	23.2	70
<u> </u>	TCE	2.3	3
1	1,1-DCE	3.0	7
ТТ-НР33-D	1,1-DCA	2.8	70
I	TCE	10.4	3
	PCE	12.2	3
· ·	1,1-DCE	3.0	7
THE THE LE	1,1-DCA	5.9	70
TT-HP34-D	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

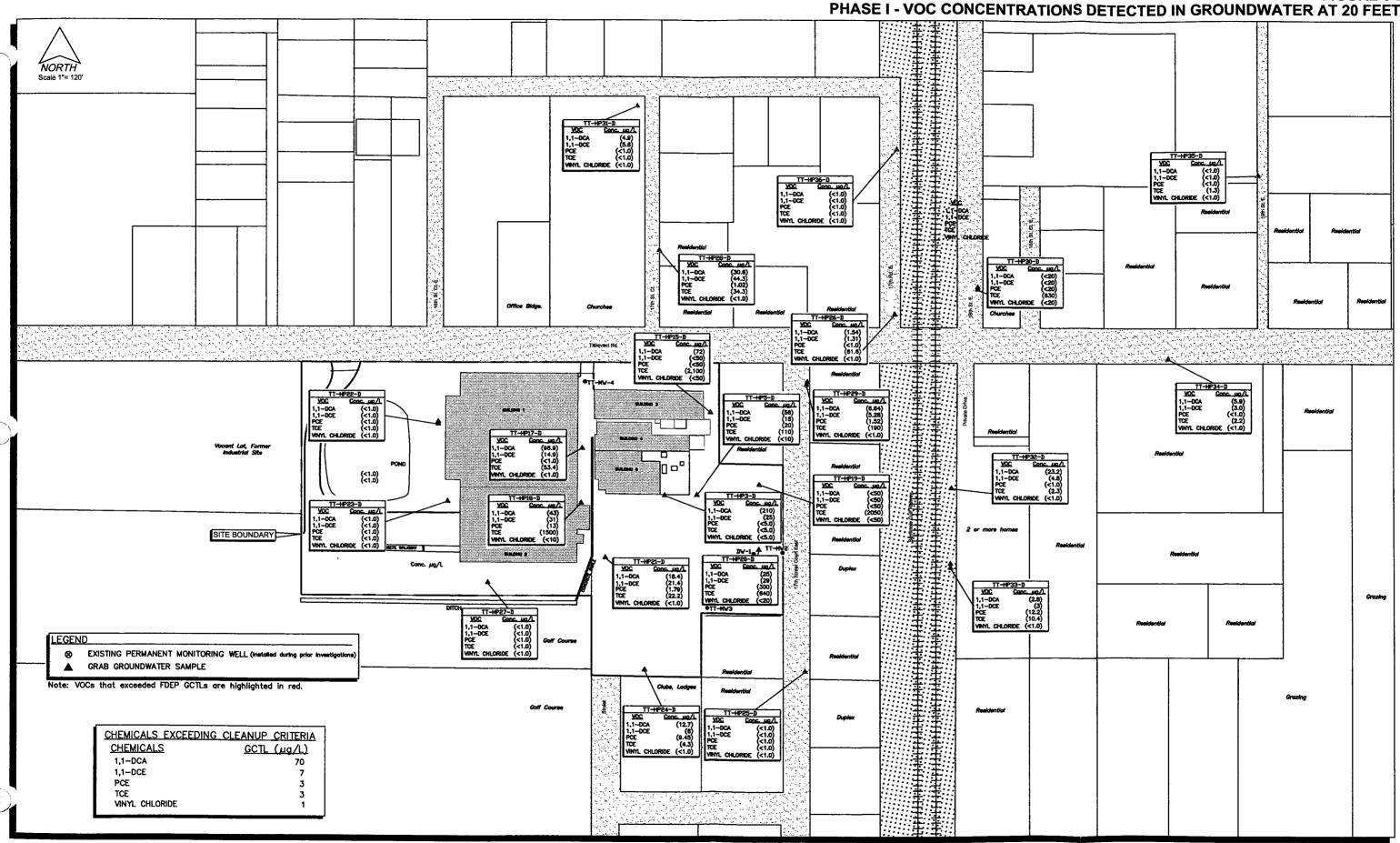


TABLE 3-4
SUMMARY OF MONITORING WELLS INSTALLED

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 17 th Street Court	2	10, 20
TT-MW14	IW14 Down-gradient, off-site to the northeast on 17 th Road East		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 19 th 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.

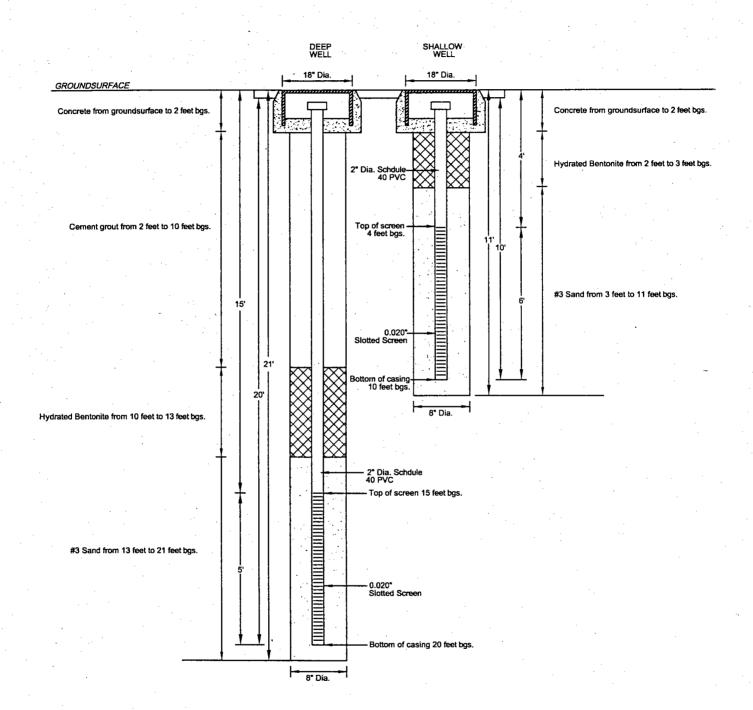
Drilling and Monitoring Well Construction

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
	5 to 10	No VOCs Detected	NA	NA
TT-MW5	15 to 20	No VOCs Detected	NA	NA
	4 to 10	No VOCs Detected	NA	NA
TT-MW6	15 to 20	No VOCs Detected	NA ·	NA NA
	4 to 10	No VOCs Detected	NA	NA NA
TT-MW7	15 to 20	No VOCs Detected	NA	NA
	4 to 10	No VOCs Detected	NA	NA
TT-MW8	15 to 20	No VOCs Detected	NA	NA
777 3 6370	4 to 10	No VOCs Detected	NA	NA
TT-MW9	15 to 20	No VOCs Detected	NA	NA
		1,1-DCA 1,1-DCE cis-1,2-DCE	90 140 48	70 7 70
TT-MW10	15 to 20	Methylene Chloride PCE TCE	40 13 820	Not Listed 3 3
		Vinyl Chloride	1.1	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
TT-MW13	4 to 10	No VOCs Detected	NA 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	NA .
	15 to 20	1,2-DCA	1.6	3
IT-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

(NO): (VEINTE) VIIVATEI

Section 4 Data Evaluation

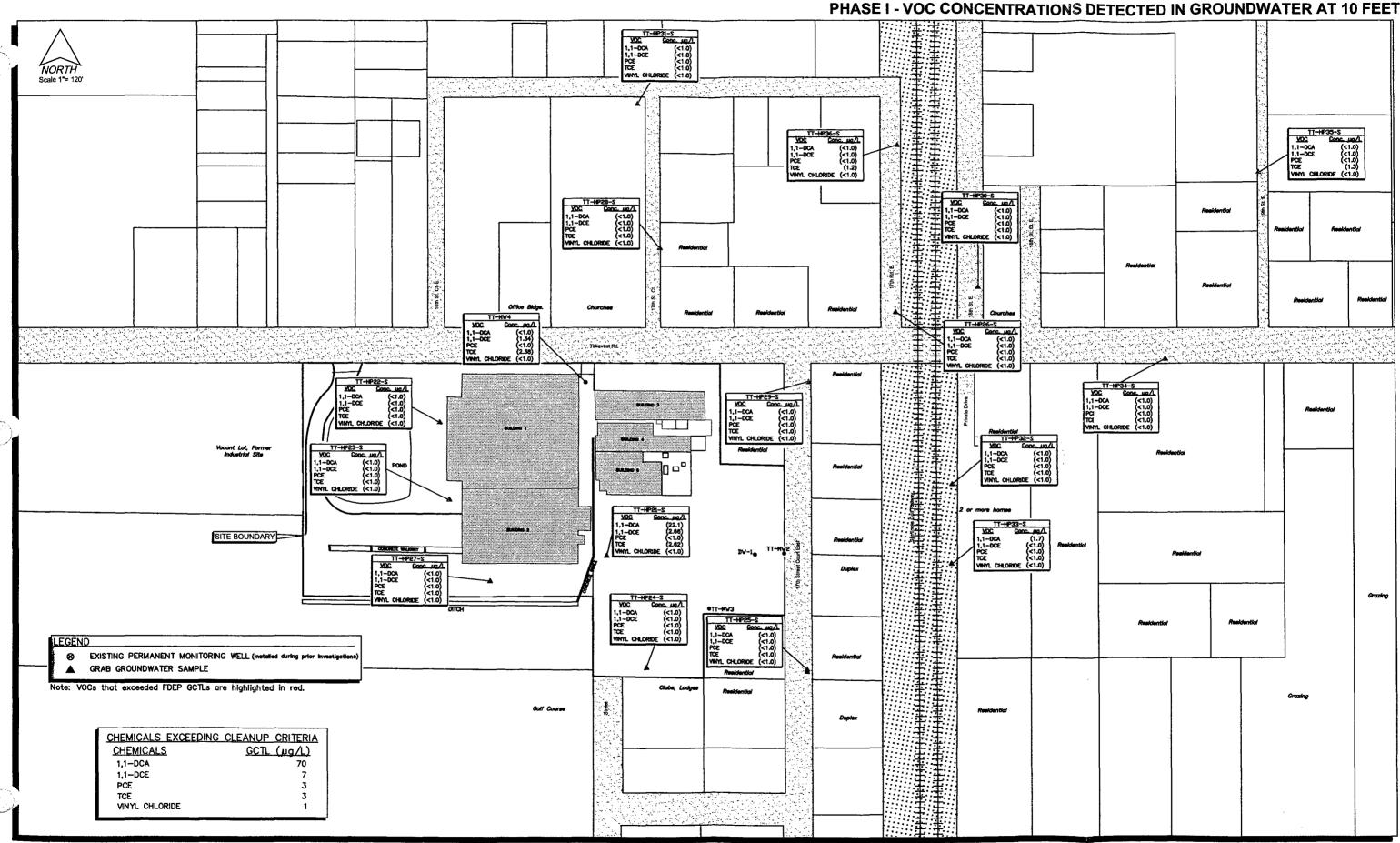
Presented in this section is an evaluation of the soil and groundwater data collected from the contamination assessment program. This section discusses groundwater flow conditions, identifies the primary chemicals of concern, evaluates the lateral and vertical extent of VOCs at the site, and presents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



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 Gro	undwater Sample	Monitoring	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

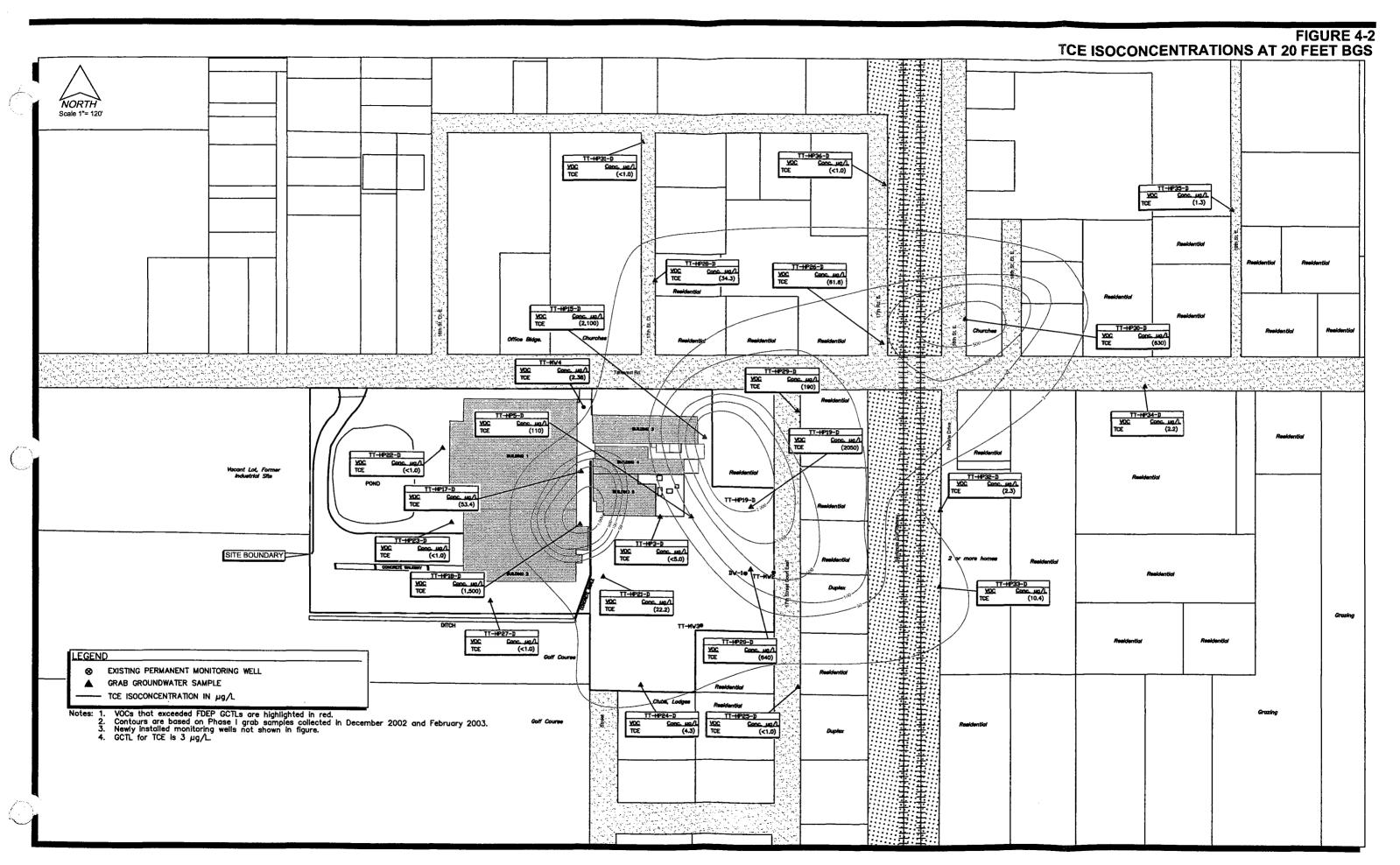
This section discusses the lateral distribution of VOCs at the 20-foot depth interval, since that is where the highest VOC concentrations were detected. Of the VOCs detected above GCTLs in groundwater, TCE and 1,1-DCA were detected most frequently and at the highest concentrations. The other VOCs were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

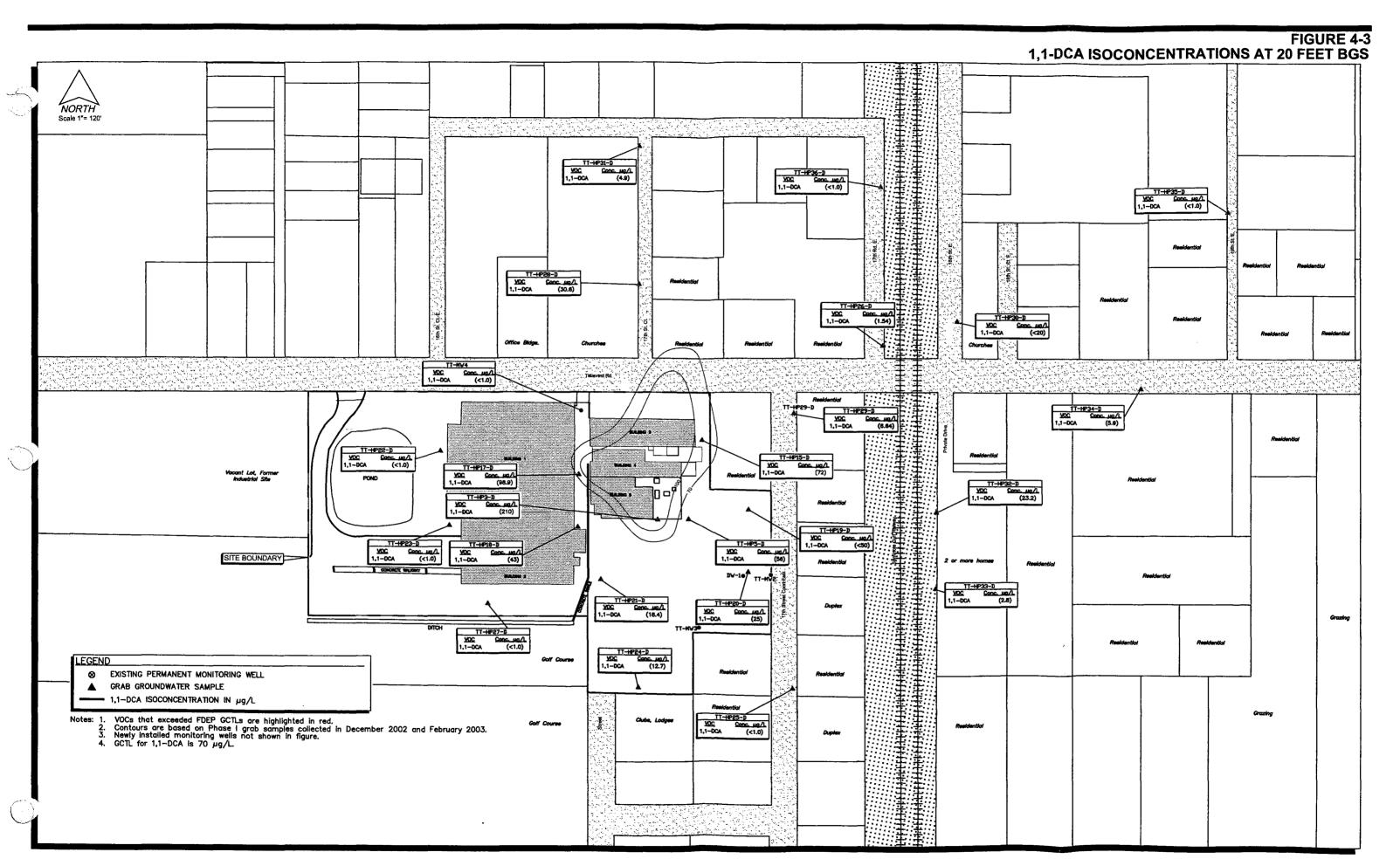
Distribution of TCE in Groundwater

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.





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 μ g/L, carbon disulfide at 160 μ g/L, and TCE at 1.9 μ g/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.

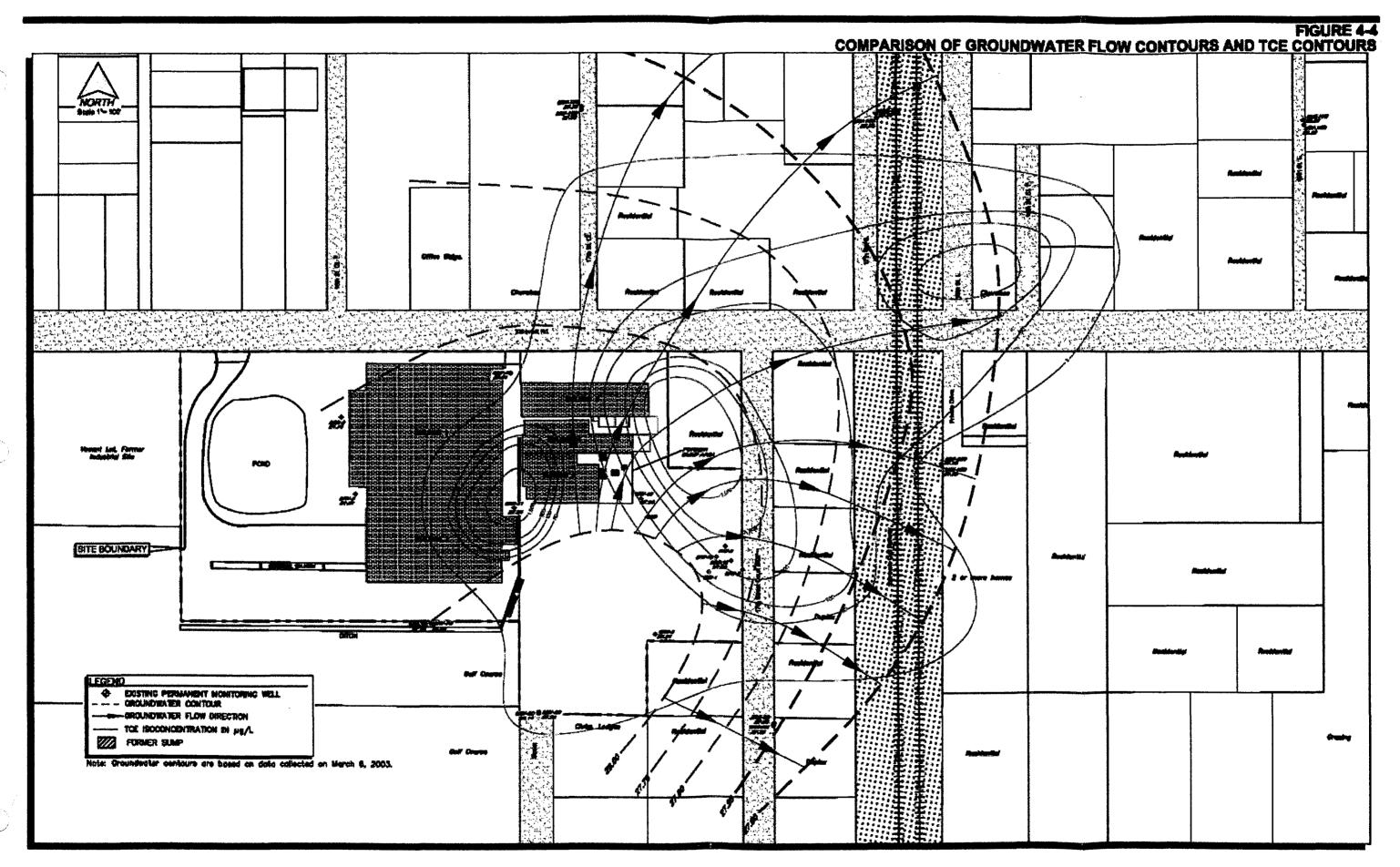
The VOC contours show relatively high VOC concentrations directly down-gradient of the former Building #5 sumps (e.g., TT-HP15-D and TT-HP30-D). The former sumps were known to have leaked, and a source removal program was conducted in September 2001 to remove petroleum and VOC impacted soil. The shape 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).



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 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.

October 28, 2002



Department of Environmental Protection

jeb Bush Governor Southwest District 3804 Coconut Palm Drive Tampa, Florida 33619

David B. Struhs
Secretary

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.f..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 convertional 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.
- Also in this section, the Department notes that while the pump and treat technology appears reasonable for the 3.) 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 possibil ty. 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: Ran Katrack, Tetra Tech Mark Stuckey, BWC

Paul Paneck, Manatee County Pollution Control

APPENDIX "A"

MANATEE COUNTY RIGHT-OF-WAY UTILIZATION APPLICATION PERMIT

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

APP		

IMPORTANT: SEE INSTRUCTIONS AND CONDITIONS ON REVERSE OF THIS APPLICATION
Applicant's Name: Phil Korge /COT MKGIITE Firm Name: Teta TECh, Inc.
Address: 676 N R 401 E. CCear Bluck Long Beach Phone No: 562 495-0495
Description of Proposed Work: Soil and Fraund water compling without mounted Direct
Push Technology Scheduled Start Date:
Construction/Installation Location: 1600 Tallevist Rd to 18th Street E
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 Manafee County Public Works. 12-2 Electric Floride Planze and Light 12-2
s - Manatee County Public works 12.2 Gas Peoples Gas 12-2 ID#
Telephone Verrager Catle 12-2
24 HOURS PRIOR TO BEGINNING CONSTRUCTION (708-7486/1022 26th AVE E., BRADENTON, FL 34208) DATE: 12/5/02 APPLICANT'S SIGNATURE To Short a 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 370-02-255 Fee: \$ 125 90 District No: 1377
Extension Permit No: Fee: \$ Receipt No(s): $\lambda \lambda 547$
RIGHT-OF-WAY USE APPROVED ON 12-16-02 SUBJECT TO THE FOLLOWING REQUIREMENTS:
This Permit Expires on: 12-11-03 APPLICATION APPROVED BY: For the County
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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: Tetra Jech Inc.
Address: 1070 N. Rosenvad BIVD Phone No. 10210-351-410104 Pasadena, CA 91107 Description of Proposed Work:
Installation of 8 monitoring wells scheduled Start Date: Late NOV'O1 - early De
Construction/Installation Location: 1600 Tallevast Rd Surasota, 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.
WaterManatee County Putic Works 10-19 Electric Florida Power and Light 10-2
s. Manatee County Public Works 10-19 Gas People's LTAS 10-19 ID#
Telephone 57TE 10-23 Other Contrast Cablevision 10-23
24 HOURS PRIOR TO BEGINNING CONSTRUCTION (708-7486/1022 26th AVE E., BRADENTON, BI 34208) DATE: 16-19-01 APPLICANT'S SIGNATURE 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 pound 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 No. 299-01-240 Fee: \$ 125 00 District No:
Extension Permit No: Fee: \$ Receipt No(3): 22743
RIGHT-OF-WAY USE APPROVED ON 16.29-01 SUBJECT TO THE FOLLOWING REQUIREMENTS:
This Permit Expires on: 10-20-202_APPLICATION APPROVED BY County

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

Southwest

☐ Northwest

FORM 41.10 — 410 (1) REV. 4/95

St. Johns River
South Florida
Suwannee River

THIS FORM **MUST** BE FILLED OUT COMPLETE

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

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mit Stipulations Required (See attached)

WHITE: ORIGINAL FILE YELLOW: DRILLING CONTRACTOR PINK: OWNER

Florida Unique I.D.

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Auger Other (specify) := 13. Indicate total No. of wells on site N∕A List number of unused w	vells on site <u>N/</u> A	× }	
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Data obtained from GPS or map or survey map datum. 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 medder, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this		god fire property, that the information piter 373, Florida Statutes, to maintain let the information provided is accurate	provided is accurate, and the Lam Bware or h or properly abandon this well or, T certify the e, and that I have intomated the owner of his te the WMD or a representative access to the we
application is accurate and that I will obtain necessary approval from other federal, state, for local, governments, if applicable, I goza pi, envoke a well completion report to the District within 30 days after drilling or the permit engineties, whichever occurs first.	sponsibilities at safet ab		
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STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT. REPAIR, MODIFY, OR ABANDON A WELL

⊠ Southwest Northwest St. Johns River

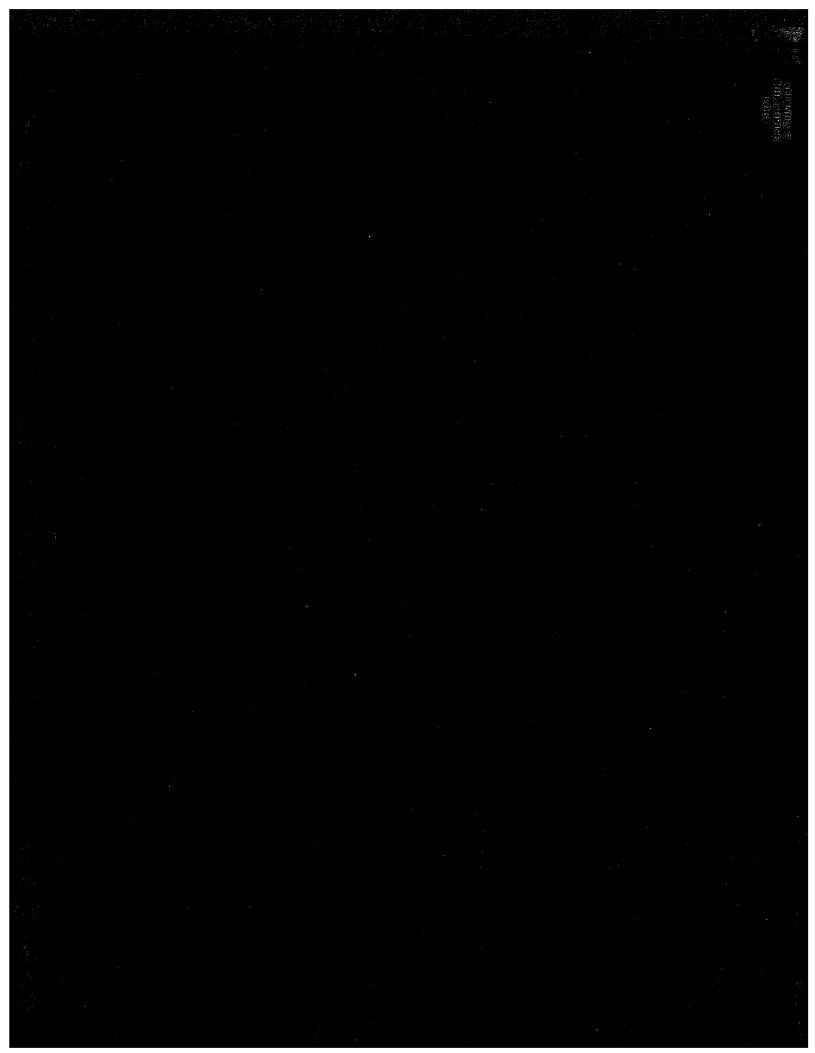
THIS FORM **MUST** BE FILLED OUT COMPLETELY

☐ St. Johns River Ine water well contractor is responsible to completing this form and forwarding the permit to the appropriate delegated county where applicable:

Permit No. 192-140/1810 CO	Ý
Florida Unique LD	
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Well Drilling Contractor	License No. Telephone No. NW. NE. #U.C. 4 N.E. 1/4 of N.W. 1/4 of Section 3/ Gralleet). (biggest)
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District well J.D. No: Latitude Longitude Data obtained from GPS or map, or survey (map)	datum MAD 27 AAD 83 4 South
15. I hereby certify that I will comply with the applicable rules of Title 40: Florida Administrative and that a water use permit or artificial recharge permit; if needed, has been for will be opin to commencement of well construction. I further certify that all information provided or	e Code,
application is accurate and that I will obtain necessary approval from other tederal; state; governments, II applicable. I agree to provide a well completion report to the Distinct within after drilling or the permit expiration, whichever occurs first.	2
Signature of Contractor DO NOT WRITE BEL	Owner for Agents Signature (1) 1997 1998 1999 1999 1999 1999 1999 1999
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REG. NO. ____1822_

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TETRA TECH BORING LOG BORING I.D. No. <u>HP-21</u>

CLIENT		Lockhe	ed M	lartin	T.C.	11665-02	LOCATION _	1600 Tallevast Rd.	_ DATE	2/17/02
DRILL I	METHOD	·	<u>Di</u>	rect-Pusi	<u>h</u>	AUGER DIAMETER	2"	_ FIELD GEOLOGIST _	Phil S	Skorge
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Gary Braganza

SIGNATURE

REVIEWING GEOLOGIST



REG. NO. <u>1822</u>

H

REVIEWING GEOLOGIST

Gary Braganza

SIGNATURE

TETRA TECH BORING LOG BORING I.D. No. <u>HP-22</u>

CLIENT		Lockheed Martin T.C.				11665-02	LOCATION _	1600 Tallevast Rd.	DATE12/17/02	
			Di		7	AUGER DIAMETER	2"	FIELD GEOLOGIST	Phil Skorge	
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TETRA TECH BORING LOG BORING I.D. No. <u>HP-25</u>

CLIENT	·	Lockhee	ed M	lartin	T.C.	11665-02	LOCATION	1600 Tallevast Rd.	DATE	12/17/02
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,	NA NA	NA			· · ·	Color change to b	rown.			
- 20 -						TD=20 feet Costi	nuous cora was to	ken from 4 to 20 feet. Gro	und water -	t 2 Minat Bar-
Ĺ			1			hole back filled wi	nuous core was ta th bentonite. NA=I	ken from 4 to 20 feet. Gro Data not available or not a	unu water a oplicable	L J.UUIBEL BOIE

REVIEWING GEOLOGIST

Gary Braganza

SIGNATURE

REG. NO.



TŁ.

TETRA TECH BORING LOG BORING I.D. No. <u>HP-27</u>

CLIENT		Lockhe	ed M	lartin	T.C.	11665-02	LOCATION	1600 Tallevast Rd.	DATE 12/18/02
DRILL A	METHOD		Di	rect-Pusi	h	AUGER DIAMETER	2"	FIELD GEOLOGIST _	Phil Skorge
DEPTH (feet)	BLOW	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	nscs		GEO	LOGIC DESCRIPTION	
0	NA	NA		· · · · · · · · · ·	SP	Unpaved surface			
		•							
- 2.5 -					100				
2.5							* * * * * * * * * * * * * * * * * * * *		
							- 1		•
	•	1.			*				
- 5	NIA	NIA				SAND: Light Tan,	fine grained wa	all appead was	
	NA	NA			•	SAND: Light ran,	nne grained, we	eli sorted, wet.	
					i de la companya de La companya de la co				
7.5	NA	NA				Color change to be	lack.	•	
								.	- · · · · · · · · · · · · · · · · · · ·
					*				
10	NA	NA							
		•.							
	1 4 1				•				
12.5									
	. :								
- 15 -						Same, medium gr	ained sand.		
17.5							•		
17.5									
· .									
	NA	NA				10% silt	٠.		
20									
- 20 -						TD=20 feet.Contir	nuous core was	taken from 4 to 20 feet Grou	and water at 3.00feet. Bore

REVIEWING GEOLOGIST Gary Braganza SIGNATURE REG. NO. 1822



Page 1 of 1

REG. NO. <u>1822</u>

CLIENT		Lockhe	ed M	fartin	T.C.	11665-02	LOCATION _	1600 Tallevast Rd.	_ DATE _	12/18/02
DRILL N	METHOD		Di	rect-Pus	<u>h</u>	AUGER DIAMETER	2"	FIELD GEOLOGIST _	Phi	Skorge
DEPTH (feet)	BLOW	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	nscs		GEOL	OGIC DESCRIPTION		
0	NA	NA		77777	SP	Unpaved surface				
									•	
-										
2.5										
										•
5 -	NA	NA				SAND: Light Tan,	fine grained, wel	I sorted, wet.		
							•			
							·			
7.5		·								
										-
	1									•
					,					•
- 10 -	NIA	NIA								
	NA	NA					•			
 										
10.5	NA	NA				Color change to b	lack.			
12.5						, '				
- 15 -						Same, medium gi	rained sand.			
		·								,
\vdash										
17.5					·	·				•
										· ·
	N1 A	ALA .				Calarata	Late Ea			
<u> </u>	NA .	NA				Color change to d	ark drown.			
20					·	TD=20 feet.Contin	nuous core was t	aken from 4 to 20 feet Gro	und water a	t 3.00feet. Bore
			L			hole back filled wi	th bentonite. NA	=Data not available or not a	pplicable	
REVIEW	ING GEC	LOGIST		Gar	y Braganza	SIGNATURE		•	REG.	NO. 1822



T

TETRA TECH BORING LOG BORING I.D. No. <u>HP-34</u>

CLIENT	<u> </u>	Lockhe	ed M	lartin	T.C.	11665-02	LOCATION _	1600 Tallevast Rd.	DATE 1	2/17/02
DRILL I	METHOD	<u> </u>	Di	rect-Push	· · · · ·	AUGER DIAMETER	2*	FIELD GEOLOGIST	Phil Sko	orge
DEPTH (feet)	BLOW	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	nscs		GEOLO	OGIC DESCRIPTION		
0	NA	NA		77777	SP	Unpaved surface				
2.5 -	•						•			
	·									en e
- 5 -	· NA	NA				SAND: Tan, fine g	rained, well sorte	d, medium dense, wet.	٠	* * * * * * * * * * * * * * * * * * * *
										•
					a de la companya de					
7.5 -							t ·			•
		٠, .								
						·				
- 10 -	NA	NA .				Color change to bla	ack.			
		}				_				
					- -					
12.5										
<u> </u>										
}										,
15 -					2+5	Same, medium gra	ained sand trace	fines.		
						·	•			
							. .			
475						·				
- 17.5 -										
	NA	NA			SM	SILTY SAND: Tan	, 20% fine sand,	wet.		
20 -					·.	TD=20 feet.Contin	uous core was ta	iken from 4 to 20 feet Grou	nd water at 3.0	Ofeet. Bore

REVIEWING GEOLOGIST Gary Braganza SIGNATURE REG. NO. 1822



REG. NO. _____

H

REVIEWING GEOLOGIST Gary Braganza

TETRA TECH BORING LOG BORING I.D. No. <u>HP-36</u>

CLIENT	•	Lockhe	ed M	lartin	T.C.	11665-02	LOCATION _	1600 Tallevast Rd.	_ DATE _	12/17/02
DRILL I	METHOD		Di	rect-Push	1	AUGER DIAMETER	2"	FIELD GEOLOGIST _	Phil S	Skorge
Εæ	≥ 5	▼ €	밀	N E	တ္သ					
DEPTH (feet)	BLOW	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	uscs		GEOL	OGIC DESCRIPTION		
0	·NA	NA		*****	SP	Unpaved surface				
		;			56					
	1.1.							en en grande de la companya de la c		
2.5 -										
<u> </u>										
-										
- 5 -	NA	NA				SAND: Tan, fine g	rained, well sorte	ed, medium dense, wet.		
									•	
7.5 -							i i			
			-							
10						1.				
- 10 -	NA	NA				Color change to b	lack, fine sand.			
		 -								
105										
12.5						_			-	
- 15 -		į.								•
						Same, medium gr	ained sand trace	fines.		· · ·
- 17.5 -						. Entre				
		,								
	NA	NA			SM	SILTY SAND: Tar	n, 30% fine sand,	wet.		
- 20 -						TD=20 feet Contin	uous core was t	aken from 4 to 20 feet Grou	ınd water at '	3.00feet Boro
L		,				hole back filled wit	th bentonite. NA=	Data not available or not a	nolicable	C.OCIEEL DUIE

SIGNATURE



Tt

TETRA TECH BORING LOG BORING I.D. No. <u>HP-29</u>

CLIENT	<u> </u>	Lockhe	ed N	lartin	T.C.	11665-02	LOCATION _	1600 Tallevast Rd.	_ DATE _	12/18/02
DRILL N	METHOD		Di	rect-Pusi	7	AUGER DIAMETER	2"	_ FIELD GEOLOGIST _	Phil	Skorge
I	> 5	43	Ш	GRAPHIC	ဟ					
DEPTH (feet)	BLOW	OVA (ppm)	SAMPLE	AP IO	nscs		GEOL	OGIC DESCRIPTION		
5	⊞S		S	80	٠ :		<u></u>			
0	NA	NA		*****	SP	Unpaved surface				
		2.4			J.		. 1			
								•		
			'							
			ŀ.							
2.5										
					•		•			-
						·				
- 5	NA	NA				SAND: Light Brow	m, fine grained, v	vell sorted, wet.		
 										
1										
									V.	
\vdash		* *** .	-		•				•	
7.5			-							
							1			
	NA	NA				Color change to b	lack			
 										
10	NA	NA				10% fines.				
	, ., .					(0,2 100.			• .	
										•
									•	
· . · ·			İ							
12.5	•				•					
			İ							
· -						Color change to li	aht brown		•	•
						Ocior change to in	grit biowii.			7.
15 -						Same, medium gi		* * * * * * * * * * * * * * * * * * *		
					*	Same, medium gr	ained sand.			
	NA	NA				No see als				
	INA	INA				No sample recove	ery from 16 to 20	feet. No sample at 20 feet		,
							•			*.
17.5										•
		,								
	11	,			* .					
					* -	·			*	•
20		-								
20 -			-			TD=20 feet.Contin	nuous core was t	aken from 4 to 16 feet Gro	und water at	3.00feet. Bore

REVIEWING GEOLOGIST Gary Braganza SIGNATURE REG. NO. 1822



REVIEWING GEOLOGIST Gary Braganza

TETRA TECH BORING LOG BORING I.D. No. <u>DW-1</u>

Page 1 of 6

REG. NO. ___1822

CLIENT	·	Lockhee	ed M	lartin	т.с.	11665-02	LOCATION _	1600 Tallevast Rd.	_ DATE _	1-15-02
DRILL	METHOD		Mo	ud Rotan		AUGER DIAMETER	8-10"	_ FIELD GEOLOGIST _	Skip V	'illain court
DEPTH (feet)	BLOW	OVA (ppm)	SAMPLE	GRAPHIC	sosn		GEOL	OGIC DESCRIPTION		
0	NA	NA.			SP	Asphalt				
					31					
2.5									*	
							•			
5 -	1/2/4	NA				SAND: Tan, mediu	m to fine graine	d, angular to sub- angular,	well sorted	, wet.
-										
		5 A 5 A			. i					
7.5 -									•	
							· · · · · · · · · · · · · · · · · · ·			
- 10 -	3/4/6					CAND: D-4: O				
ļ	3/4/0	. NA				SAND: Dark Gray,	mealum to tine	grained, angular, well sort	ea	•
<u> </u>										
			•		• . •					
	•							:		
12.5										
										·
15 -	3/2/2	NA				SAND: Dark Brown	ı, fine grained, a	ngular, well sorted.		
										
					•				;	
17.5					SM		•			
		<u> </u>								
}	, •									
- 20 -	1/2/4	NA.				SAND with SILT ar	nd Ct AY Dark	arown		
	1/2/7	1.5				OUTED MINI OIL! AL	o our i. Dark i			

SIGNATURE



Page 2 of 6

REG. NO. __ 1822

ENT	7 - 7 -	Lockhee	od Ma	artin	T.C.	11665-02	LOCATION _	1600 Tallevast Rd.	DATE 1-15-02
DRILL	METHOD	·	Ми	id Rotai	ν	AUGER DIAMETER	8-10"	_ FIELD GEOLOGIST _	Skip Villain court
DEPTH (feet)	BLOW	OVA (ppm)	SAMPLE	GRAPHIC	nscs		GEOL	ogic description	
- 22.5 -									
- 25 -	6/14/15	NA				SAND with SILT ar	nd 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 lim	estone fragments, very de	nse.
- 37.5 -									
57.3					CL				
40 -	50 for 2"	NA				CLAY: Gray, with li	mestone and sh	ell fragments	
REVIEW	VING GEO	LOGIST		<u>////</u> Gar	y Braganza	SIGNATURE			REG. NO. 1822



Page 3 of 6

ENT		Lockhei	ed M	lartin	T.C.	11665-02	LOCATION _	1600 Tallevast Rd.	_ DATE	1-15-02
DRILL N	ETHOD		M	ud Rotary		AUGER DIAMETER	8-10"	_ FIELD GEOLOGIST _	Skip Vill	ain court
DEPTH (feet)	BLOW	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	nscs		GEOL	OGIC DESCRIPTION		
- 42.5 -										
42.3										
45	7/7/10.	NA			CL	CLAY: Gray- gree	n.			
- 47.5 -										
50 -	9/9/16	NA				CLAY: Gray-greer	1			
							•			
- 52.5 -										
- 55 -	5/7/9	NA				CLAY: Gray-greer	1.			
		•								
- 57.5	}	· · · ·							•	
60	3/7/11	NA				CI AV. Can.				
	Gri I I	177				CLAY: Gray-greer	.			

REVIEWING GEOLOGIST

Gary Braganza

REG. NO. 1822



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REG. NO. ___1822

CLIENT	Lockhee	d Martin	T.C.	11665-02	LOCATION	1600 Tallevast Rd.	_ DATE _	1-15-02
DRILL METHOD		Mud Rotar	<u>y</u>	AUGER DIAMETER	8-10"	FIELD GEOLOGIST _	Skip Vi	llain court
DEPTH (feet) BLOW COUNT	OVA (ppm)	SAMPLE GRAPHIC COLUMN	nscs		GEC	PLOGIC DESCRIPTION		
-62.5								
GE .								
- 65 _{7/10/15} -67.5	NA .		SP	CLAY: Gray-gree	n.			
	 -						* * :	•
70 50 for 3"	NA			SAND: Cemented	l, very dense.			
-72.5			CL					
- 75 - _{42/28/35}	NA			CLAY:Light gray				
77.5								
80 11/11/16	NA			CLAY: Light gray.				
REVIEWING GEO	LOGIST		y Braganza	SIGNATURE			REG. 1	NO. 1822



REVIEWING GEOLOGIST __

Gary Braganza

SIGNATURE

TETRA TECH BORING LOG BORING I.D. No. <u>DW-1</u>

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REG. NO. 1822

CLIENT	Lockhee	ed Martin	T.C.	11665-02	LOCATION _	1600 Tallevast Rd.	_ DATE	1-15-02
DRILL METHOD	<u></u>	Mud Rotary		AUGER DIAMETER	8-10°	FIELD GEOLOGIST _	Skip Ville	ain court
DEPTH (feet) BLOW COUNT	OVA (ppm)	SAMPLE	nscs		GEOI	LOGIC DESCRIPTION		
- 82.5 -								
85 50 for 1"	NA			NO Recovery. BE	RDOCK2			
50 101 1	NA			NO necovary. BE	DAOOK:			
87.5								
90 - 50 for 4"	NA			Limestone, fractu	red			•
92.5			CL					
95 32/36/28	NA NA			CLAY: Light gray.				
32/30/20	, MA			CLAT. Light gray.				
- 97.5 -								
- 100 - 50 for 5"	NA NA			CLAY: Light Gray				
102.5			· .					



Page 6 of 6

CLIENT	. <u> </u>	Lockhee	ed M	lartin	T.C.	11665-02
DRILL I	METHOD		M	ud Rotar	у	AUGER DIAMETER 8-10" FIELD GEOLOGIST Skip Villain court
DEPTH (feet)	BLOW	OVA (ppm)	SAMPLE	GRAPHIC	nscs	GEOLOGIC DESCRIPTION
105 -						
103						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 -						
1476						
117.5						
120 -						
122.5						
		<u> </u>	<u> </u>	L		

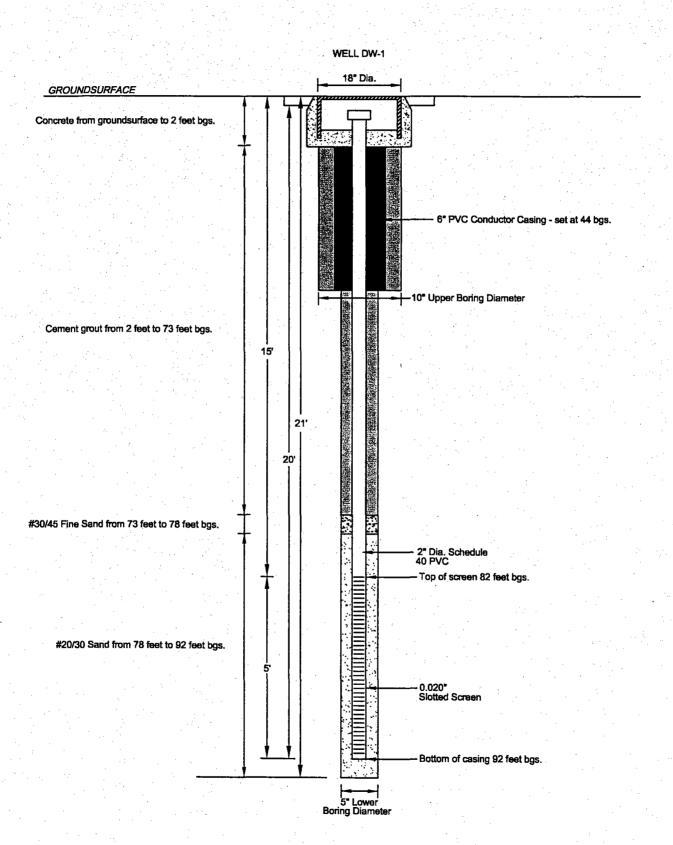
REVIEWING GEOLOGIST

Gary Braganza

SIGNATURE

REG. NO. ___1822

GROUNDWATER MONITORING WELL CONSTRUCTION DETAIL



<u>LA</u>	W EERING AND EMVE		.3.	_	S	OIL TE	ST BORING FIELD REPORT	PODING NO.
JOB NO.			W.	-	. •		DRILLER:	BORING NO.: GROUND SURFACE ELEV.:
JOB NAME:			i			_ 	OGGED BY:	HOURS MOVING:
DATE	5		: '-	#			WEATHER:	PAGE OF
	SAMPLIN	G		T			T7	
	The Garage			SCALE	UD	REC	SOIL CLASSIFICATION	REMARKS
NO. DEPT	H 1870	3MD 6	SRD 6"	0	<u> </u>			
1 0/1.5	$\perp \perp \perp$		1	<u> </u>	<u> </u>	<u> 1 </u>		
		•				1		
2 1.5/3./			1	1		1		
1.5/3.	'	+	+	 		 	 	
		+	24	 	 	 	= 0.61	
3 4.0/5.1	<u> </u>	1-2	17	5"		 	TASA	
				 _	<u> </u>	 	-	N.A.
<u>. l·</u>			<u>.l</u>	<u> </u>		<u> </u>		<u> </u>
4 6.5/8.0	, 3	-	1	-	<u> </u>	<u> </u>		
,		1						
5 9.0/10.	. 3	14	16	10		T	DKGRISA	
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6 14.0/15	5 3	12	工	15' .	· ·		BENSA	
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N. Carlotte		1				, ,		
19.0/20.		12	- 4	20*			Bensicisa	
,			7				*	
		1			*			
7	4.					· · · ·		44
	***	 		· · ·				**************************************
		14			*		TASLCLEA	
8 24.0/25.	5 10	1-7-	15	25			TASLCLEA	
					· · ·			1
						*	*	* = /= M
								1 1974 BS+
	_ 50/	1		·	840	ig "	CenenteD SAul Phospho	k 32
29.0/30.	5 /4'	1		. 30°	·			173 9min 315
3		• • •		-				34 8 min 28
		<u> </u>				4		75 1/min 44
		1						36 [1 min 48.
<u> </u>	101	-	-	7		*		
	777777	/			 -			37 14 m N 01.
D 34.0/35.4	12	}		35"		- 7	EM SACLW	84 /3min 58
4		1				-	- CS FRAGMENTS	39 6 min 55
	<u> </u>			<u> </u>		* 1		40 4 ann 3150
				i i				41 6 min 301
1	1	50		3				42 8mi ~ 095
39.0/40.1	34	2"					Le Ct Was Kkell	# 1 mm
4		12	 	40'			A CONTRACT OF THE PARTY OF THE	A Company of the Comp
BODING:	PERMINATED	إ	لببا	1			METHOD OF AD	VANCING BORING TO DERTH
	NG REFUSAL				· 4		POWER AUGER	VANCING BUTCHS

	LAW ENGREENING A JOB NO.: JOB NAME:	NO ENVROR					ĽC	ORILLER:	BORING NO.: GROUND SURFACE ELEV.: HOURS MOVING:
	DATE:							WEATHER:	PAGEOF
_	SA	MPLING							
٠.		* 9.84	"N"	,	SCALE	מט	REC	SOIL CLASSIFICATION	REMARKS
10.	DEPTH	1878	2ND 6	JRD 6"	0			1	
1	12/20-2	17	11	16				CI 15ky CC	
	مرامد ا	50	<u> </u>			L			182' Apples Deilling
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,	99 100.5	15			10"			LIGE CI	
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1.	39.0/40.5			 _	40'				
1		1							
٠.	BORING TERM		****			Electrical Security			DVANCING BORING TO DEPTH
NA"	BORING RETER TABLE TOB	PUBAL:						POWER AUGE	R V/MUD: W/WATER
		DEPTH:		F 1 1 2 3 4 5 4 5 4 5 4 5 4 5 6 5 6 5 6 5 6 5 6 5		5 P. F. S.		ROTARY DRILL	: W/MUD: W/WATER 50



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

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

<u>Surrogate Recoveries</u> – 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.

<u>VOC Spike Recoveries</u> – 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.

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

Signature: Date: Date: Date: 16 2003

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	<u>Analyte</u>	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:

<u>Analyte</u>	Preliminary RL(ug/L)	Final RL(ug/L)
1,1,1,2-tetrachloroethane	1.0	5.0
1,2-dibromo-3-chloroprop	ane 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	<u>Analyte</u>	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:

Title: Data Specialist

Date:

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	S	urrogate ⁹	% Recover	ry	i	_	ontrol Lim o 120%(U	,
	Analysis	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

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	S	urrogate 9	% Recover	Ţ	1	_	ontrol Lim 120%(U	
	Analysis	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 so	ome surro	gates may	be out of the	ne control	percent rec	overy rang	ge (80% to	120%),
	other suppo	rting QC,	such as m	atrix spike	s, matrix s	pike duplic	cates, meth	od blanks,	and
	laboratory o	ontrol sar	nples, are	performed	by KB Lal	os to furthe	r validate	reported da	ita.

Signature:

Title: Data Specialist

*Surrogate Compounds:

S1 = 1,2- Dichloroethane-D4

S2 = 1,2-Difluorobenzene

S3 = Toluene-D8

S4 = 4-Bromofluorobenzene

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 Date of Analysis: 12/17/2002 TT HP24-10MSD										
Matrix Spike Compounds		ntrol Lin		Percent Recoveries			Control Limit Checks			
	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD	
lichlorodifluoromethane	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	
oromomethane	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	
l,l-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	
rans-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	
ert-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	
,3-dichlorobenzene	70	130	20	93	96	3	Pass	Pass	Pass	
o-Isopropyltoluene	70			+		-				
1,4-dichlorobenzene		130	20	93	96	4	Pass	Pass	Pass	
1,4-uicinorooenzene	70	130	20	93	94	1	Pass	Pass	Pass	

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech NUS	Driller/S	Sampler:	GPI				Analyst: Yael Hoogland				
Site: Former American	KR I ah	s Project	Manage	r Kelly	Rerodoll	,	KB Labs Project No.: 02-122-1				
Bereyllium Company	KD Lau	s i rojeci	Manage	.i. Keny	Derguon	Labs 110	Jeet 110 02-12				
On-site Dates: 12/17/02-	Client D	roject M	onogom	Dhil Skor	Matrix: Water						
12/19/02	Chent P	Toject IVI	anagei.	riiii Skui	gc .		Watiffx. Wate	4			
					4.						
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.

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

	Co	ntrol Lin	nits	Perce	ent Recov	eries	Control Limit Checks			
Matrix Spike Compounds	Lower	Upper	RPD	MS	MSD	RPD	MS	MSD	RPD	
lichlorodifluoromethane	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	
promomethane	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	
l, l-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	
rans-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	
o-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	

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech NUS	Driller/	Sampler:	GPI				Analyst: Yael Hoogland			
Site: Former American Bereyllium Company	KB Lab	s Project	Manage	er: Kelly	KB Labs Project No.: 02-122-1					
On-site Dates: 12/17/02- 12/19/02	Client P	roject M	anager:	Phil Sko	rge	Matrix: Wate	er			
					,		<u> </u>	<u>,</u>		
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.

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-HP30-10 TT-HP30-10		•		Date of F	Analysis:	12/17/20	02			
		ntrol Lin	its	Perc	ent Recov	veries	Control Limit Checks			
Matrix Spike Compounds	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	

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech NUS	Driller/	Sampler:	GPI				Analyst: Yael	Hoogland		
Site: Former American Bereyllium Company	KB Lah	s Project	Manage	er: Kelly	KB Labs Project No.: 02-122-1					
On-site Dates: 12/17/02- 12/19/02	Client F	Project M	anager:	Phil Sko	rge		Matrix: Wate	.		
									į.	
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	l	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.

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):

				1.0		1.	·		
Samples: LCS 1	·	10 10 1		Date of A	alysis:	12/	17/2002		
LCS 2						12/	18/2002		
LCS 3	· <u>· · · · · · · · · · · · · · · · · · </u>	<u> </u>	1.0			12/	19/2002		
Sailes Compounds	Con	trol Li	mits	Perce	ent Recov	veries	Con	trol Limit Che	ecks
Spike Compounds	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

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech NUS	Driller/S	Sampler	: GPI				Analyst: Yael	Hoogland				
Site: Former American	KP Lab	a Denigo	t Manage	r Kalk	Bergdoll		KR I ahe Pro	ect No • 02-1	22-1			
Bereyllium Company	KD Lau	s Frojec	t Manage	i. Keny	Derguon		KB Labs Project No.: 02-122-1					
On-site Dates: 12/17/02-	Client P	roject M	Ianager:	Phil Skor	· o e		Matrix: Water					
12/19/02	Chener	roject iv		- IIII SAUI		a series of	112. 114.	· · · · · · · · · · · · · · · · · · ·	<u> </u>			
	<u> </u>											
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

Final Data Report

Former American Beryllium Company Tallevast, FL December 17-19, 2002

Prepared for: Tetra Tech NUS

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	72	121	HP22-10	22	HP23-10	HP23-20	HP24-10	HP24-20	25
Mobile Laboratory Services	HP21	HP21-20	E	HP22-20°				Ξ	TT HP25-10
	F	E	E	E		=	⊢	E	□
							• •		
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
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
-,-,- are no eproporto	1.5	-1.0	-1.0	-1.0	-1.0	-1.0	1 -1.0	-1.0	1.0

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
								71.4	2.5
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	HP21-10	1.2	2-1	2-7	3-1	3.5	. 😾	-	,
Mobile Laboratory	P2	P2	P2	P2	P2	P2	P2	P2	<u> </u>
Services	Ξ	TT HP21-20	TT HP22-10	TT HP22-20'	TT HP23-10	TT HP23-20'	TT HP24-10'	IT HP24-20'	TT HP25-10'
	F	F	: F	F	F	F	- F		⊢
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	11	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-Isopropyttoluene	<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

Final Data Report

Former American Beryllium Company Tallevast, FL December 17-19, 2002

Prepared for: Tetra Tech NUS

	Well ID								
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A	. 44								
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	70	1	-20	무	-50	우	-7	7	7
	25	26	58	27	27	78	78	73	28
Mobile Laboratory Services	TT HP25-20'	TT HP26-10	TT HP26-20	TT HP27-10°	TT HP27-20	TT HP28-10	TT HP28-20	HP29-10'	TT HP29-20
	E	E	E	E	E	L		F	E
	. –	_		_		,		•	
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								
Dilution Factor.	11	1 .	1	1	11	11	11	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	<1.0	<1.0
Carbon tetrachloride 1,1-dichloropropene	<1.0	<1.0 <1.0	<1.0 <1.0	<1.0 <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
1.2-Dichloroethane	<1.0	<1.0 <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

Final Data Report

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Prepared for: Tetra Tech NUS

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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-methyi-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 unit									

Units for water samples are ug/L

Final Data Report

Former American Beryllium Company Tallevast, FL December 17-19, 2002

Prepared for: Tetra Tech NUS

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	ГТ НР3-20°	TT HP17-20	HP18-20	HP20-20	_	TT HP30-10'	TT HP30-20'	НР31-10	TT HP31-20°
	ဗ္ဗ	7.	7	22	MW4	33	33	3	8
Mobile Laboratory Services	🖹	Ŧ		宝	Σ	Ī	. 🛨	=	王
	L .	П	L	E	ш	<u> </u>	<u> </u>	<u> </u>	F
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
	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
chloromethane Vinyl Chloride	5	<1.0	<10	<20	<1.0	<1.0	<20 <20	<1.0	<1.0
Vinyi Chloride Bromomethane	- 5	1.2	<10	<20 <20	<1.0	<1.0	<20 <20	<1.0	<1.0
Sromometnane Chloroethane	9 5	<1.0	<10	<20	<1.0	<1.0	<20	·<1.0	<1.0
Chloroethane Trichlorofluoromethane	<5	<1.0	<10	<20	<1.0	<1.0	<20 <20	<1.0	<1.0
	25		31	29	1.3	<1.0	<20	<1.0	5.6
1,1-dichloroethene Methylene Chloride	25	14.9		<20			<20 <20	<1.0	<1.0
	<5 <5	<1.0 <1.0	<10	<20 <20	<1.0 <1.0	<1.0 <1.0	<20 <20	<1.0 <1.0	<1.0
trans-1,2-Dichloroethene	210		<10 43	<20 25	<1.0 <1.0		<20 <20	<1.0 <1.0	4.9
1,1-Dichloroethane		98.9				<1.0			
2,2-Dichloropropane	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
cis-1,2-Dichloroethene	<5 -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	4 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
									<1.0
n-Propylbenzene	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	((()

Final Data Report

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Matrix: Dilution Factor: 2-Chlorotoluene 4-Chlorotoluene 1,3,5-Trimethylbenzene	2/18/2002 Water 5 <5 <5 <5	12/18/2002 Water 1	12/18/2002 Water 10&50	,02-02-dH LL 12/18/2002 Water	74MW LL 12/18/2002	TT HP30-10'	TT HP30-20'	TT HP31-10'	TT HP31-20°
Matrix: Dilution Factor: 2-Chlorotoluene 4-Chlorotoluene 1,3,5-Trimethylbenzene	Water 5 <5 <5	Water 1	Water		12/18/2002	101100000			
Dilution Factor: 2-Chlorotoluene 4-Chlorotoluene 1,3,5-Trimethylbenzene	5 <5 <5	1		Motor		12/19/2002	12/19/2002	12/19/2002	12/19/2002
2-Chlorotoluene 4-Chlorotoluene 1,3,5-Trimethylbenzene	<5 <5		10250	vvaler	Water	Water	Water	Water	Water
4-Chlorotoluene 1,3,5-Trimethylbenzene	<5	<1.0	1000	20	1	1	20	1	1
1,3,5-Trimethylbenzene			<10	<20	<1.0	<1.0	<20	<1.0	<1.0
	<5	<1.0	<10	<20	<1.0	<1.0	<20	<1.0	<1.0
A . A Distribution		<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

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
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			11						
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	2		HP15-20'	l, e elli					
	6	77	6						
Mobile Laboratory	HP19-20	<u>a</u>		1					••
Services	=	IT HP6-20	근		1			1.	
	F	. F	F						
	1000	- 1		•					
Date of Analysis:	12/19/2002	12/19/2002	12/19/2002						
Matrix:	Water	Water	Water					ļ	-
Dilution Factor:	50	10	50	<u> </u>	<u> </u>				
dichlorodifluoromethane	87	12	<50		<u> </u>		_		
chloromethane	<50	<10	<50		ļ				
Vinyl Chloride	<50	<10	<50			<u> </u>		ļ	
Bromomethane	<50	<10	<50						
Chioroethane	<50	<10	<50			_: .			
Trichlorofluoromethane	<50	<10	<50						
1,1-dichloroethene	<50	18	<50		ı				
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			_		
1.1.1-Trichloroethane	<50	<10	<50				_		
Carbon tetrachloride	<50	<10	<50	 	 				
1,1-dichloropropene	<50	<10	<50		 		_	· · · · ·	1
Benzene	<50	<10	<50				_		
1,2-Dichloroethane	<50	<10	<50	 	 		_		
Trichloroethene	2000	110	2100		-		 		<u> </u>
1,2-Dichloropropane	<50	<10	<50	-	-			 	-
Bromodichloromethane	<50	<10	<50	 	 			 	
Dibromomethane	<50	<10	<50		<u> </u>	·	·		
cis-1,3-Dichloropropene	<50	<10	<50				 · · · · · 	 	
Toluene	<50	<10	<50		 ; 		-	·	
trans-1,3-Dichloropropene	<50 <50	<10	<50	 	-		-		<u> </u>
1,1,2-Trichloroethane	<50 <50	<10	<50	 	-		-		
Tetrachloroethene	<50 <50	20	<50	 	 		_		<u> </u>
	<50 <50		<50 <50	 			_	 	· · · · · · · · · · · · · · · · · · ·
1,3-Dichloropropane 1,2-Dibromoethane	<50 <50	<10 <10	<50	 - -		 	_	 	<u> </u>
				-	 		 	 	
Dibromochloromethane	<50 <50	<10	<50 <50	 	 	-	 	 	
Chlorobenzene		<10			ļ			· ·	
1,1,1,2-Tetrachloroethane	<250	<50	<250	·		· · · · · · · · · · · · · · · · · · ·	ļ	ļ	
Ethylbenzene	<50	<10	<50	 	-		 	-	
m&p-Xylene	<50	<10	<50	 	 	-	<u> </u>	-	-
0-7(yieiie	<50	<10	<50	ļ	<u> </u>		ļ		
Styrene	<50	<10	<50		<u> </u>	ļ	<u> </u>		ļ
Bromoform	<50	<10	<50	ļ				 	
Isopropylbenzene	<50	<10	<50	<u> </u>				<u> </u>	
Bromobenzene	<50	<10	<50		<u> </u>				
1,1,2,2-Tetrachloroethane	<50	<10_	<50						
n-Propylbenzene	<50	<10	<50						<u> </u>
1,2,3-trichloropropane	<50	<10	<50		Ţ			1	

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
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3									
	6		6						
	HP19-20	TT HP5-20'	IT HP15-20°					* *	
Mahila tahanahan	😤	3.5	}					. :	
Mobile Laboratory Services	-	Ξ.	王						l .
			' =						
	Taran tarah			ļ ·	1	<u> </u>			·
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-Chiorotoluene	<50	<10	<50						
1,3,5-Trimethylbenzene	<50	<10	<50			<u> </u>			
ert-Butylbenzene	<50	<10	<50						<u></u>
1,2,4-Trimethylbenzene	<50	<10	<50			<u> </u>			
sec-Butylbenzene	<50	<10	<50						
1,3-dichlorobenzene	<50	<10	<50	- 1	1			·	
o-isopropyitoluene	<50	<10	<50						
1,4-dichlorobenzene	<50	<10	<50				· ·		<u> </u>
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			<u> </u>			
Vaphthalene	<250	<50	<250						
1,2,3-Trichlorobenzene	<250	<50	<250						<u> </u>
acrolein	<1250	<250	<1250			<u> </u>			
acetone	<500	<100	<500						
carbon disulfide	<250	<50	<250						
ntbe	<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

LARGE

Matrix Types

S Soil

SW Surface Water

GW Ground Wate

SG Soil Gas

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

CHAIN-OF-CUST Y RECORD

MOBILE UNIT #

CLIENT NAME PROJECT NAME & ADDRESS IDENTIFY PARAMETERS NUMBER OF CONTAINERS **PRESERVATION** DESIRED /43VB Amer. Beryllium Formen HCL Other (see Remarks) CONTAINERS VOLATILES CONTACT PERSON BATCH # (Lab Use Only) 1 Scott Gu = FINAL IST NEW "(12/18/82)
COMMENT GRAB TIME DATE DATE TIME SAMPLE FIELD ID.\ NUMBER STATION LOCATION / No. SAMPLED SAMPLED REC'D REC'D "MO" ID 840 121902 V 121802 9T-HP25-10 NR TT- HP 25 - 28 TT- HP27-20 1008 TT-HP28-10 mw10 Help TT-HP26-10 TT- HP26- ZX TT- HP28-20 ILLA 1140 TT-HP29-18 Cw 17.4P27-10 121962 121807 7-20 1200 TT- HPZ9-20 1400 TT-HP18-28 TT-HP20-20 1440 TT-HP17-20 1440 TT-MW4 1500 TT-11P3-20 530 TT - HP 23-20 1600 TT-HP22-20 48H 121802 Remarks and Observations chant after analysis Sample ID's Changed by chant after analysis change nord on Sequence Logs as required. **Precleaned Containers** Date / Time Received by: (Signature) Date / Time Relinquished by: (Signature) Client changed names of samples again, Final numeration is listed in Station location, you 121902 Relinquished by: (Signature) Date / Time Received by: (Signature) Date / Time 1218 02

6821 SW Archer Road Gainesville, FL 32608

CHAIN-OF-CUS' Y RECORD

MOBILE UNIT #

TEL (352) 367-007 Mobile Laboratory Services TEL (352) 367-007													1(B2
CLIENT NAME	1 1 1	NAME & ADI							ERS	IDENTIFY PARAMETER	as /	<u></u> [2]	PRESERVATION C Chilled
Tetra Tech SAMPLERS	For	mer	An	ier. B	ery	BATCH # (Lab U	ana santana	SAMPLE MATRIX	CONTAINERS	DESIRED AND NO. OF CONTAINER	. / K	8 /	H HCL Ot Other (see Remarks)
	_					BAICH#(LADU	ise:Only)	E W	8		\G/		
Grandwater	Phi	1 SKG)rd	2	· · · · · · · · · · · · · · · · · · ·		14444	. ₽	ROF		\ge		
SAMPLE FIELD ID.\ NUMBER	DATE	TIME	COMP.	DATE	TIME	STATION LOCAT	IOM / No	YS	NUMBER (/ /	(12/18/02)
"Old"ID	SAMPLED	SAMPLED	8 6	REC'D	REC'D	STATION LOÇAT Z'IN NOV (1	2/19/02		Š	/3/			COMMENT
IT-MWII-HP-10	121702	N.R.	<u></u>	121702	1630	TT-HPZ		CW					77-HP19-108 v
1 MW11-HP-20	1		1		1	TT-HPZI		•	1				TT-HP19-20
MW14-HP-10					1130	1							TT-4921-10 -
MW13-HP-10					1230	TT- HP27	L. la				,		TT-HP20-10
MW16 HP-10					1450								TT-1+P22-18
1. MW14-HP-20					1505		,						TT-HP22-20
MWX5-HP10						TT- HP25							1405 TT-HP 23-10
MWXG-HP20						TT-HPZS							FAMUS TT-HP23-26
OI 9H-FIUM TT					1735	TT-HP26	o- 10						TT-HP 24-10
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Precleaned Containers Relinquished by: (Signature)	7 1 1	ate / Time	Recei	ved by) (Signal)	~~		Date / Tin	ne	Sain	arks an ple I	D'S C	hang.	ed by client after an august
Relinquished by: (Signature)	C	Pate / Time	Recei	ved by: (Signatu	(re)	W	Date / Tin	ne	cli	ent ch ed in S	ranged totion	Josepo Dóm	naturn again, Final sumple 105
Matrix Types S Soil SW Si		•	und Wa	ter SG So	ll Gas	γ						(12/19/62

6821 SW Archer Road Gainesville, FL 32608

CHAIN-OF-CUS' Y RECORD

MOBILE UNIT # TEL (352) 367-0073 FAX (352) 367-0074 Services CLIENT NAME PROJECT NAME & ADDRESS IDENTIFY PARAMETERS DESIRED NUMBER OF CONTAINERS PRESERVATION For mer Aver Beyllim
CONTACT PERSON
BATCH # (LAB USE ONLY) THIS TECH AND NO. OF CONTAINERS HCL Other (see Remarks) VOLATILES GW GRAB COMP. DATE TIME DATE TIME SAMPLE FIELD ID.\ NUMBER STATION LOCATION / Ng. SAMPLED SAMPLED REC'D REC'D Now I.D 12/19/02 COMMENT 1-8CGH TT UR 121902 805 121902 TT-HP30-10 Gw 805 TT-HP30-20 29-10 900 TT-HP31-10 29-20 900 TT-HP31-20 910 TT-HP19-20 1+P5-20' 935 TT-HP5-20 JUL 12 1902 Precleaned Containers Date / Time Received by: (Signature) Remarks and Observations Date / Time Chant charged ID in samples. Vere 10s are notated in Station Location. Relinquished by: (Signature) (B) 12/19/42 Relinquished by: (Signature Date / Time Received by: (Signature) Date / Time 1219 02 GW Ground Water **Matrix Types** S Soil SW Surface Water



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."

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

<u>Surrogate Recoveries</u> – 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.

<u>VOC Spike Recoveries</u> – 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 analysical system.

Signature:

Title: Director of Operations

Att Date:

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:	 V	VI	LAV	

Title: Director of Operations

Date:

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	S	urrogate ^o	% Recover	ry	•	_	ontrol Lim		
	Analysis	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:	s: 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									
A. C.	laboratory control samples, are performed by KB Labs to further validate reported data.									

Signature:

Title: Director of Operations

^{*}Surrogate Compounds: S1 = 1,2- Dichloroethane-D4

S2 = 1,2-Difluorobenzene

S3 = Toluene-D8

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 TTHP 36 20				Date of A	Analysis:	2/17/200	3		*	
		ntrol Lin	its	Perc	ent Recov	eries	Control Limit Checks			
Matrix Spike Compounds	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	

Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech	Driller/	Sampler:	Tetra Te	ch			Analyst: Gre	g Lamb	
Site: American Beryllium Company	KB Lah	s Project	Manage	er: Kelly	KB Labs Project No.: 03-44 Matrix: Water				
On-site Dates: 02/17/03	Client P	roject M	anager:	Phil Sko					
	·					 -			
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.

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

Date of Analysis:

2/17/2003

Laboratory Control Spikes (LCS):

Bromodichloromethane

c-1,3-Dichloropropene

t-1,3-Dichloropropene

1,1,2-Trichloroethane

1,3-Dichloropropane

Dibromochloromethane

1,1,1,2-Tetrachloroethane

1,2-Dibromoethane

Chlorobenzene

Dibromomethane

Samples:

LCS 1

S :: G	Cor	ntrol Lir	nits	Percent Recoveries			Control Limit Checks			
Spike Compounds	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	<u> </u>	
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		
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Table 2: VOC Spike Compound Percent Recoveries

Client: Tetra Tech	Driller/S	Sampler:	Tetra Te	ch		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyst: Greg Lamb				
Site: American Beryllium Company	KB Lab	KB Labs Project Manager: Kelly Bergdoll						KB Labs Project No.: 03-44			
On-site Dates: 02/17/03	Client P	roject M	anager:	Phil Sko	rge		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	i 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:

Title: Director of Operations

ate:

Final Data Report

Former American Beryllium Company Tallevast, FL February 17, 2003

Prepared for: Tetra Tech

<u></u>	14/-11/15	144-1117	W-11.1D	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID	Well ID
	Well ID	Well ID	vveii 1D	vvei 10	AAGII ID	WEII ID				
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	10.	20'	3 10	3 20'	1 20'	5 20'	3 20'	110	5 10'	3 10'
	32	32	33	33	8	35	36	34	35	36
Mobile Laboratory Services	ттнР	ТТНР	гтнр 33	ттнр	ТТНР	ТТНР	TTHP	ТТНР	TTHP	ттнр
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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:	11	1	1	1	1	1 .	11	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 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	<1.0 <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	<1.0 <1.0	<1.0	<1.0
Benzene 1,2-Dichloroethane	<1.0 <1.0	<1.0 <1.0	<1.0 <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	<u> </u>	<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	<1.0
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

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
	7761110	VIEW ID	Well to	***************************************	***************************************	'''		770		
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		:								
	.0	20,	10,	20.	50,	20'	20'	10.	10.	10
	2 1(2 2	3.1		2	2 2	36.2		35 1	36 1
LABOR	32	32	33	33	34	35	9	34	3	Š
Mobile Laboratory Services	ТТНР	ттнр	ТТНР	HH.	HT.	TTHP	ттнр	ТТНР	ТТНР	гтнр
	F	F	F	F	F		` F	F	F	F
			74							
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
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
1,3-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	<u><5</u> _	<5	<5	<5	<5	<5	<u><</u> 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
	<u> </u>	·								

Units for water samples are ug/L

CHAIN-OF-CUST Y RECORD

MOBILE UNIT #

(ALS)

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

Mobile Laboratory Services. PROJECT NAME & ADDRESS CLIENT NAME NUMBER OF CONTAINERS IDENTIFY PARAMETERS DESIRED **PRESERVATION** FART. American Benyllium Chilled HCL Other (see Remarks) SAMPLE MATRIX Phil Skorge VOLATILES BATCH # (Lab Use Only) SAMPLERS COMP. GRAB DATE DATE TIME SAMPLE FIELD ID.\ NUMBER STATION LOCATION / No. SAMPLED SAMPLED REC'D REC'D COMMENT 17/03 20' 20 12/5 [0 20 10' 1255 ZO 10 Precleaned Container Date / Time Received by: (Signature) Date / Time **Remarks and Observations** Relinquished by (Signature) Reunquished by: (Signature) Received by: (Signature) Date / Time

Matrix Types

S Soil

SW Surface Water

GW Ground Water

Water 8G Soil Gas



Monito ☐ Other	e Name: : stic Well Data oring Well Data Well Type: ample Type:	Amenca N1075.	in Bei 1810	ryllius	1	Sample Sample Sample C.O.C. Type of Y Low	- BS 5 ure		
SAMPLING DA	TA:								
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	1	Volume	рH	S.C.	Temp.	Turbidity	00	Salinity	Other
	faltic Pump	<u> </u>	6.79	4.18	26.01	15.3	5.46		96
Monitor Reading			5.01	1.57	23.37	9.1	1.98		102
Well Casing Dia			5.83	1.72	23.48	4.8	2.17		108
Type:∂" PV	1		5.89	1.68	23.56	1.2	231		114
Total Well Depth	10		0.01	11.00	23.56	1.2	601		1
	rel (WL): 2.89		 	<u> </u>	 	 			1
			 		ļ	 		 	
	ume(gal/L): 3.		 				·	 	
Start Purge (hrs)		 	 	<u> </u>				 	-
End Purge (hrs):			 	ļ	 	ļ <u>.</u>	<u> </u>	 	
Total Purge Time	e (min): /5							 	ļ
Total Vol. Purge	d (gel/L): 1.5	<u> </u>	<u> </u>		<u> </u>			<u> </u>	
SAMPLE COLL	ECTION INFORMA	TION:	-		,	<u> </u>			,
	Analysis		Preser	vative	2 //2	Container Re		· · · · · · · · · · · · · · · · · · ·	Collected
	3260	 	1 40	· · · · · · · · · · · · · · · · · · ·	3 - 40	mi vial	<u>S</u>		ļ <u> </u>
			ļ						
									
			 						
									· ·
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			<u> </u>		<u> </u>				L
OBSERVATION		 						 	
Flowrat	e 100 ml/m	vin		:					
									-
Circle if Applica						Signature(s)·		
Circle if Applica	able:					2 Sharmats	,.	- 1	
MS/MSD	Duplicate ID No.:					Scott	R. Mc	g	·



Project Site Name: Project No.:	America NIO73	an Be 1.18/5	ery 1/14	M	Sample ID No.: TT-MW Sample Location: MW-8. Sampled By: S. M - C C.O.C. No.:			Δ		
						Sample:				
Monitoring Well Da ☐ Other Well Type:	did					Concentr	ation	* 4.		
Other Well Type: QA Sample Type:						h Concentr				
U CA Sample Type.					ייי נו ייי	ii Oonoona	Guon			
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	pН	S.C.	Temp.	Turbidity	DO	Salinity	Other		
Method: Perstaltic Rym	0	5.00	1.52	23.37	15	10.66		268		
Monitor Reading (ppm): MA		4.96	1.51	22-89	11	9.26		306		
Well Casing Diameter & Materia		4.90	151	22.83	9	8.65		313		
Type: 2" PVC		4.97	1.50	22.80	4	8.40	<u> </u>	318		
Total Well Depth (TD): 20'			1							
Static Water Level (WL): 2,6	5		<u> </u>			İ				
One Casing Volume(gal/L): 3-		T						-		
Start Purge (hrs): / 625										
End Purge (hrs): 1040		1			,					
Total Purge Time (min): 15		† T								
Total Vol. Purged (gal/L): 1.5					 					
SAMPLE COLLECTION INFOF	RMATION:	*				 				
Analysis		Preser	vative		Container R	equirements		Collected		
8260		Hc/		3-40	W					
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OBSERVATIONS / NOTES:							·			
Howrate 100 mi/	nin									
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Circle if Applicable:			·		Signature(s					
MS/MSD Duplicate ID	No :	····			1		,			
Marmon Dupicate ID	ITU				& cort	R. M.	g.	_		
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Page 1 of 1

Project Site Name Project No.:	: Amer	1can B 275.181	erylliu D	im	Sample Location: Mu. Sampled By:			14W-75 -75 -Guire		
Domestic We Monitoring Will Tother Well To QA Sample 1	/ell Data ype:	C.O.C. No.: Type of Sample: Low Concentration High Concentration								
SAMPLING DATA:										
Date: 3/6/02	Colo	1 .	S.C.	Temp.	Turbidity	DO	Salinity	Other		
Time: ///5	(Visua		(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP		
Method: PURGE DATA:	clear	6.01	0.909	23.79		1.59	<u> </u>	90		
							0-11-11-	04-1		
Date: 3/6/03	Volun		8.C.	Temp.	Turbidity	DO	Salinity	Other //CO		
Method: Peristaltic		6.18	0.461	25.38	32	5.16	 	159		
Monitor Reading (ppm):		6.17	0.609		24	0.88	ļ	108		
Well Casing Diameter & N	Material	6.09		23.75	19	1.26	ļ	101		
Type: 2" PVC		6.03	0.880	23.81	16	1.4/		92		
Total Well Depth (TD):	<i>10</i>	6.01	0.909	23.79	-11	1.59		90		
Static Water Level (WL):	3.32									
One Casing Volume(gal/L										
Start Purge (hrs): / C	55									
	10									
Total Purge Time (min):	15		1.							
Total Vol. Purged (gal/L):	1.5						Ť ·			
SAMPLE COLLECTION		-, 			· · · · · · · · · · · · · · · · · · ·					
Analysi	8	Prese	rvative		Container R	equirements		Collected		
8260		HC	<u> </u>	3-40	m Val	5				
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OBSERVATIONS / NOT	ES:									
Howrate 100	m1/min									
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Circle if Applicable:				·	Signature(s	<u> </u>		. —		
	ate ID No.:					+ R. A	1cf	-		
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Project Site Name: Project No.: [] Domestic Well Data [] Other Well Type: [] QA Sample Type: SAMPLING DATA:	America NIO75	an Be IBID	ry Iliu	M	Sample ID No.: TT-MW-7D Sample Location: MW-7D Sampled By: C.O.C. No.: Type of Sample: Y Low Concentration [] High Concentration				
Date: 3/6/03	Color	pН	S.C.	Temp.	Turbidity	DO	Salinity	Other	
Time: //45	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP	
Method:	clear	4.48	1.54	2401	5	8.00		23/	
PURGE DATA:					1				
Date: 3/6/03	Volume	рH	8.C.	Temp.	Turbidity	DO	Salinity	Other	
Method: Peristaltic Rymp		5.02	1.65	24.84	16	23/		215	
Monitor Reading (ppm): ル/み		4.98	1.54	23.66	12	4.00		227	
Well Casing Diameter & Material		4.97	1.54	23.83	11	6.73		23/	
Type: 2" PVC		4.98	1.54	23.48	9	7.80		23/	
Total Well Depth (TD): 20		4.98	1.54	23.99	8	7.93		23/	
Static Water Level (WL): 3.15		4.98	1.54	24.01	5	8.00		231	
One Casing Volume(gal/L): 3./									
Start Purge (hrs): //25									
End Purge (hrs): 1140									
Total Purge Time (min): 15									
Total Vol. Purged (gal/L): 1.5						. :			
SAMPLE COLLECTION INFORMA	TION:		_						
Analysis		Preser	vative		Container Re	quirements		Collected	
8260		HC		3-40 M	1 VIAIS	<u>.</u>			
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OBSERVATIONS / NOTES:									
Flowrate LAN 100 MI/N	Nin .	,					·		
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Circle if Applicable:					Signature(s		. 1		
MS/MSD Duplicate ID No.:					8 Co	tt-R	Mil		



Page_/ of _/

American Beryllium N1075. 181D TT-MW-155 Sample ID No.: Project Site Name: Sample Location: MW - 15 S Project No.: Sampled By: 5. MCGuire □ Domestic Well Data C.O.C. No.: Monitoring Well Data
Other Well Type: Type of Sample: KLow Concentration ☐ QA Sample Type: High Concentration SAMPLING DATA: Date: 3/6/01 Color S.C. Turbidity DO Salinity Other рH Temp. ORP Time: 1225 (Visual) (S.U.) (mS/cm) (°C) NTU (mg/l) (%) 0.373 Method: clear 6.77 23.16 0 0.47 - 93 **PURGE DATA:** Date: 3/6/03 Volume pН S.C. Temp. Turbidity DO Salinity Other -91 7.21 3.5 2.00 Method: PP/15taltic PUMP 0.425 24.10 Monitor Reading (ppm): ルル 6.82 0.392 23.29 2.1 0.63 -78 6.73 0.386 23.19 - 85 0.50 Well Casing Diameter & Material 0 Type: 2" PVC -93 6.77 0.373 0.47 23-16 Total Well Depth (TD): Static Water Level (WL): 2.70 One Casing Volume(gal/L): 3.(Start Purge (hrs): 1205 End Purge (hrs): 1220 Total Purge Time (min): 15 Total Vol. Purged (gal/L): / .5 SAMPLE COLLECTION INFORMATION: Analysis Preservative Container Requirements Collected 826C HU 3-40 M/ Mals OBSERVATIONS / NOTES: Flowrate 100 ml/min Circle if Applicable: Scott R. M. g MS/MSD **Duplicate ID No.:**



Project Site Name: Project No.:	America N1075	n Ber 1810	yllium		Sample ID No.: TT-MW-15D Sample Location: MW-/5D Sampled By: S. McGure				
Domestic Well Data					C.O.C. No.:				
Monitoring Well Data					Type of Sample:				
Other Well Type:						Concentr			
[] QA Sample Type:			 		[] Higi	h Concenti	ration		
SAMPLING DATA:							- · · · · · · · · · · · · · · · · · · ·		
Date: 3/6/03	Color	pН	S.C.	Temp.	Turbidity	DO .	Salinity	Other	
Time: /305	(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: 3/6/23	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other	
Method: Penstaltic Pump		5.76	0.196	23.60	5.1	1.59		-5	
Monitor Reading (ppm): NA		5.68	0.174	23.24	2.8	0.90		-5-	
Well Casing Diameter & Material		5.63	0.166	23.36	0	2.39		-//	
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			0.164	23.57	0	4.07		-/7	
One Casing Volume(gal/L): 3./		5.68	0.161	23.76	. 0	4.19		- 27	
Start Purge (hrs): /230		5.70	0.160		0	4.24		- 29	
End Purge (hrs): 1300		-				1.5			
Total Purge Time (min): 30	 								
Total Vol. Purged (gal/L): 3.0	 				 -				
SAMPLE COLLECTION INFORMA	TION:		<u> </u>		l		<u> </u>	1	
Analysis		Preser	vative		Container Re	equirements		Collected	
8260	··	Hel	/	3-40		ials			
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OBSERVATIONS / NOTES:									
Howrate 100 ml/min	n E								
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Circle if Applicable:	 				Signature(s):			
MS/MSD Duplicate ID No.:					- / .		M. 2		
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11-6	Jup -1				JY Ca	0/ F.	111		



Page___ of __ American Beryllium N1075.1810 TT- MW-145 Sample ID No.: Project Site Name: Sample Location: MW - 145 Project No.: Sampled By: S. MCGuire C.O.C. No.: Domestic Well Data Type of Sample: Monitoring Well Data Low Concentration Other Well Type: [] High Concentration QA Sample Type: SAMPLING DATA: Date: 3/6/03 Color рH S.C. Temp. Turbidity DO Salinity Other Time: 1435 (°C) (NTU) ORP (S.U.) (mS/cm) (%) (Visual) (mg/l) 6-34 0.296 24.96 3.7 Method: clear 0.94 -/33 PURGE DATA: Date: 3/6/03 Volume 8.C. Temp. Turbidity DO Salinity Other 0.302 24.98 2.44 6.41 19.1 -114 Method: Peristal tic Pump 0.298 24.98 14.2 0.79 -121 Monitor Reading (ppm): 11.4 Well Casing Diameter & Material 6.28 0.218 24.87 1.03 -124 0.97 - 137 Type: 2" PVC 8.6 6.35 0.298 24.92 -/33Total Well Depth (TD): (0' 6.34 0 296 24.96 3.7 0.84 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 (gel/L): 1,5 SAMPLE COLLECTION INFORMATION: Analysis Preservative **Container Requirements** Collected 8260 3- 40 MI HCI UIAIS OBSERVATIONS / NOTES: Howrate 100 ml/min Circle if Applicable: Scott R. M. Gui MS/MSD **Duplicate ID No.:**



Project Site Name:	America	Ren	Mium	2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sample	TT-MW	v-14D		
Project No.:	N1075.1	810					MW-14	-14D	
					Sample	ed By:	S. Mc Go		
[] Domestic Well Data	٠.				C.O.C. No.:				
Monitoring Well Data						Sample:	-4:		
[] Other Well Type:						ConcentrConcentr		· 1	
[] QA Sample Type:				· · · · · · · · · · · · · · · · · · ·	פייים.		auon		
SAMPLING DATA:									
Date: 3/6/63	Color	pН	S.C.	Temp.	Turbidity	DO	Salinity	Other	
Time: 720	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	URP	
Method:	yellow	6.16	0.146	26.37	150	0.58	<u> </u>	-//7	
PURGE DATA:	,		,	· · · · · · · · · · · · · · · · · · ·		 			
Date: 3/6(03	Volume	pН	S.C.	Temp.	Turbidity	DO	Salinity	Other	
Method: Peristaltic Pump	.5	6.15	0.152	25.98	220	3.33		- 86	
Monitor Reading (ppm): MA	2.0	6.16	0.150	25.48	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./	9	6.14	0.147	26.54	150	0.57		-108	
Start Purge (hrs): [440	10.5	6.14	0.146	26.50	150	0.56		-11/	
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 INFORMA			10.1	100:07	130	,			
Analysis		Preser	vative		Container R	equirements		Collected	
9260		Ha		3 - 40	ml Viais				
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OBSERVATIONS / NOTES:									
Flowrate 100 m1/m	lin					,			
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Circle if Applicable:									
					Signature(s		Λ		
MS/MSD Duplicate ID No.:			-		d'ni	ett R.	1102		
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Project Site Name:	America N1075	n Ber	Ullium	,	Sample ID No.: TF-MW-135					
Project No.:	11076	IRIL	/ '\\ -		Sample Location: Nw-/3 5					
r roject rec	101-12	11010			Sample	S. MCG	ine			
□ Domestic Well Data	1.0	F.,		20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C.O.C.		<u> </u>			
Monitoring Well Data						Sample:				
Other Well Type:						Concentr	ation			
QA Sample Type:						n Concent				
							·	<u></u>		
SAMPLING DATA:	·		,	,		·		,		
Date: 3/7/03	Color	рH	5.C.	Temp.	Turbidity	- DO	Salinity	Other		
Time: 0 945	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP		
Method:	clear	6.89	0.455	23.64	- 18	0.91	<u> </u>	-93		
PURGE DATA:										
Date: 3/7/03	Volume	рH	8.C.	Temp.	Turbidity	DO	Salinity	Other		
Method: Peristaltic Rump		6.51	0.479	23.41	230	3.16		109		
Monitor Reading (ppm): NA		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): 10	,		0.468	23.56	45	1.08		-64		
Static Water Level (WL): 3.13	1		0.467	23.60	40	1.05		-72		
One Casing Volume(gal/L): 3-1			0.462		33	1.01		-8/		
Start Purge (hrs): 0810				23.60	26	0.93		-89		
End Purge (hrs): 0840			0.455		18	0.91		- 93		
Total Purge Time (min): 30							1			
Total Vol. Purged (gel/L): 3							<u> </u>			
SAMPLE COLLECTION INFORMA	TION:	<u> </u>			·		<u> </u>	<u> </u>		
Analysis		Preser	vative		Container R	equirements		Collected		
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OBSERVATIONS / NOTES:				•				· · · · · · · · · · · · · · · · · · ·		
Flowrate 100 ml/min			1, 1,			· · ·				
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Flowthry cell + Tul	bing = 4	THO M	l ·			·				
Circle If Applicable:					Signature(s	•	1			
Circle if Applicable; MS/MSD Duplicate ID No.					· / ·	T R	Mc el			



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Project Site Name:	America	n Ber	yllium		Sample	u-13D		
Project No.:	N1075	181D			Sample	MW-13	D	
		Tarley Bridge			Sample	suire		
[] Domestic Well Data			•		C.O.C.			
Monitoring Well Data	**		· · · · · ·		Type of	Sample:		
[] Other Well Type:					. Lov	v Concentr	ation	
QA Sample Type:				.,] Hig	h Concenti	ration	
SAMPLING DATA:	4					 . +		
Date: 3/7/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 09/5	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	Clear	5.52	0.172	24.81	3	3.75		-48
PURGE DATA:			1.5				•	
Date: 3/7/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristatic Rumo		5.22		24.46	19	2.02		83
	 	5.27	0.191	24.46	18	1.66		67
Monitor Reading (ppm): N/A	 			24.47		1.61		57
Well Casing Diameter & Material		5.29	0.191		16			
Type: 2" P/C	<u> </u>	5.32	0.189		15	1.04	ļ	48
Total Well Depth (TD): 201		5.42	0.184	24.68	19	2.60		-/
Static Water Level (WL): 3.32		5.48	0.178	24.74	14	335	·	-25
One Casing Volume(gal/L): 3.		5.49	0.176	24.82	9	3.51		-42
Start Purge (hrs): 0850		5.51		24.06	6	3.69		-47
End Purge (hrs): 0 9/0		5.52	0-172	24.81	3	3.75		-48
Total Purge Time (min): 20						:	1	
Total Vol. Purged (gal/L): 2								İ
SAMPLE COLLECTION INFORMA	TION:		***************************************				<u> </u>	
Analysis		Preser	vative		Container R	equirements		Collected
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OBCCTMATIONS (NOTES	·			<u> </u>				<u> </u>
OBSERVATIONS / NOTES:								
Flowrate 100 ml/	min							
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		:	•					
Circle If Applicable:					Signature(s	s):	 	
MS/MSD Duplicate ID No.:)				· //:		l	
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Project Site Name: Project No.:						Sample ID No.: 77- A Sample Location: MW-/ Sampled By: 5. MC		
[] Domestic Well D				Type of	No.: f Sample:			
[] Other Well Type [] QA Sample Type						v Concentr h Concent		
SAMPLING DATA:								
Date: 3/7/03	Color	pH	8.C.	Temp.	Turbidity	DO .	Salinity	Other
Time: 0950	(Visual)	(S.U.)	(mS/cm)	(°C) 21.69	(NTU)	(mg/l) /.62	. (%)	-103
Method: PURGE DATA:	clear	5.67	0.298	21.67	0	1.62	<u> </u>	-703
Date: 3/7/0 ?	Volume		8.C.	T	Turbidity	DO	Cattala	Other
		5.79	0.301	21.95		2.98	Salinity	- 84
Method: Peristaltic Pu		+			60		_	-130
Monitor Reading (ppm): N/		6.02	0.308	21.80	56	0.94	 	-100
Well Casing Diameter & Mater	nial	5,72	0.298	21.55	25	1.19	 	
Type: 2" PVC		5.67	0.299		14	1-28	1	- 98
Total Well Depth (TD): /C		5.75	0.248	21.59	11	1.36		-//0
	9/	5.69	+	21.59	6	1.49	<u> </u>	-102
One Casing Volume(gal/L): J). /	5.67	0.298	21.69	0	1.62	<u> </u>	-107
Start Purge (hrs): 0930								
End Purge (hrs): 0945								
Total Purge Time (min): /5			1					
Total Vol. Purged (gál/L): / 4	5							
SAMPLE COLLECTION INFO	ORMATION:					•		
Analysis		Preser			Container R	equirements	3	Collected
8260		Ho	<u> </u>	3-40	m/ Via	5	~ ·	
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OBSERVATIONS / NOTES:								
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Circle If Applicable:					Signature(s	s):		
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Project Site Name: Project No.:	America N1075.	n Ben	Mum				TT-ALL MW-16		
Domestic Well Data					Sampled By: S. M'S			ince	
Monitoring Well Data Other Well Type: QA Sample Type:					Type of Low				
SAMPLING DATA:					^				
Date: 3/7/03	Color	pН	8.C.	Temp.	Turbidity	DO	Salinity	Other	
Time: /020	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP	
Method:	clear	5.65	0.379	2268	0	2.57		-68	
PURGE DATA:	,	,				,			
Date: 3/7/23	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other	
Method: Peristaltic fung		5.67	0.380	22.52		3.24		-57	
Monitor Reading (ppm): μ/p_r		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	0,374	22.70	3	2.48		-65	
Total Well Depth (TD): 18.5			6.379	22.68	0	2.57		-68	
Static Water Level (WL): 1.85									
One Casing Volume(gal/L): 3.1		T							
Start Purge (hrs): 1000		<u> </u>		٠.					
End Purge (hrs): 10/5		1							
Total Purge Time (min): 15		<u> </u>	 						
Total Vol. Purged (gal/L): /-5	-	 	<u> </u>						
SAMPLE COLLECTION INFORMA	TION:		<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Analysis		Preser	vative		Container R	equirements		Collected	
8260		HC	1	3 - 4		lais			
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			. 4						
OBSERVATIONS / NOTES:		_ 					······································	-	
Flowrate 100 ml/	/min								
Key left in lock	<u> </u>						· · ·		
Circle if Applicable:					Signature(s				
MS/MSD Duplicate ID No.:		-			1 <i>[]</i>	HR. 1		The second second	



Page | of |

Project Site Name: Project No.:	America N1075	an Ber . (BID	yllium		Sample Sample Sample		MW-9 S.MCGO)-95 5
☐ Domestic Well Data ☑ Monitoring Well Data ☐ Other Well Type: ☐ QA Sample Type:					C.O.C. Type of	•	ation	
SAMPLING DATA:				1				
Date: 3/7/03	Color	pН	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: ///5	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l) 0.52	(%)	ORP
Method:	Clear	6.65	0.364	2431	<u> </u>	0.52		-107
PURGE DATA:	1		ү	· · · · · · · · · · · · · · · · · · ·			1	1
Date: 3/7/03	Volume	pH	8.C.	Temp.	Turbidity	DO 10	Salinity	Other
Method: Peristattic Pump		6.77	0.369	24.41	12	2.19	 	- 97
Monitor Reading (ppm): ル/み		6.59	0.365	24.20	10	0.53		-102
Well Casing Diameter & Material		6.61	0.364		4	0.57		-104
Type: 2" PVC	1	6.61	0.363	24.22	<u> </u>	0.51		-105
Total Well Depth (TD):		6.65	0364	24.31	1	0.52		-107
Static Water Level (WL): 2.74							<u> </u>	
One Casing Volume(gal/L): 3.1			{				,	
Start Purge (hrs): 1055			11					
End Purge (hrs): ///O								1
Total Purge Time (min): 15								
Total Vol. Purged (gd/L): /.5		1	 					•
SAMPLE COLLECTION INFORMA	ATION:		'	<u> </u>	<u> </u>	<u> </u>		
Analysis		Prese	rvative		Container R	equirements		Collected
8260		HC	1	3-40	MI UTAIS			-
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	 	+		 	·		<u> </u>	
		 		 	 			
		 			•			
								
OBSERVATIONS / NOTES:								
Flowrate 100 ml/	Min		:					
Circle if Applicable:					Signature(s		. 1	
MS/MSD Duplicate ID No.	:				& Cut	4 R.1	hc g	



Page of _

Project Site Name:	AMERICA	an Be	XY///UN	<u> </u>		ID No.:	77-MW	-4P
Project No.:	N1075	·18(D				Location:	MW-90	
					Sample		S.MG	ire
Domestic Well Data					No.:			
Monitoring Well Data	onitoring Well Data				Type of	Sample:		
Other Well Type:	**				₽ Low	/ Concentra	ation	
[] QA Sample Type:					[] Hig	h Concenti	ration	
SAMPLING DATA:								
Date: 3/7/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: //40	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	clear	4.92	0.418	25.11	3	5 54		37
PURGE DATA:	10194				·		· · · · · · · · · · · · · · · · · · ·	
Date: 3/7/93	Volume	pН	8.C.	Temp.	Turbidity	00	Salinity	Other
Method: Peristaltic Pump		4.69	0.421	24.88	38	2.66		73
Monitor Reading (ppm): NA		4.79	0,421	24.78	24	6.09		61
Well Casing Diameter & Material		4.80	0.421	24.85	19	6.47		59
Type: 2" PVC		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	0.49	24.69	8	5.47		46
One Casing Volume(gal/L): 3./		4.87	049	25.05	1	5.57		43
Start Purge (hrs): //20		14.92	0.418	25.11	3	5.54		31
End Purge (hrs): 1/35								
Total Purge Time (min): 15								·
Total Vol. Purged (gel/L): 1.5					: 1			
SAMPLE COLLECTION INFORMA	TION:							
Analysis		Preser	vative			equirements		Collected
9260		HC	· · · · · · · · · · · · · · · · · · ·	3-40	ml urals	<u>,</u>		
					-		Α	
· · · · · · · · · · · · · · · · · · ·								
		<u> </u>						
OBSERVATIONS / NOTES:					· ·			
Flowate 100 ml/m	lin							
						· 	· · ·	
Circle if Applicable:			· .		Signature(s	i):		
MS/MSD Duplicate ID No.:					Va	40.	uc/_	
					XU	$M \sim 1$	u	



Il Domestic Well Data

Monitoring Well Data

Other Well Type:

[] QA Sample Type:

Method: Peristaltic Pump

Monitor Reading (ppm): MA

Well Casing Diameter & Material

Total Well Depth (TD): 20

Static Water Level (WL): 3.65 One Casing Volume(gal/L): 3./ Start Purge (hrs): 0920 End Purge (hrs): 0935 Total Purge Time (min): /5 Total Vol. Purged (gal/L): ノ- ら

8260

OBSERVATIONS / NOTES:

Howrate 100 mi/min

Project Site Name:

Project No.:

SAMPLING DATA:

Date: 3/10/03

PURGE DATA: Date: 3/10/03

Type: 2" PVC

Method:

Time: 0940

GROUNDWATER SAMPLE LOG SHEET

Page__ of _ American Beryllium NIO75, 1910 TT- MW-10 Sample ID No.: Sample Location: Mw-12 Sampled By: S.M. Guire C.O.C. No.: Type of Sample: **__Low** Concentration | High Concentration Salinity Color S.C. Temp. **Turbidity** DO Other ORP (S.U.) (mS/cm) (°C) (NTU) (%) (Visual) (mg/l) 6.17 0.699 26.27 0.4 .22 clear Volume pН S.C. Temp. Turbidity DO Salinity Other 6.19 0.699 25.92 25.8 0.74 12 14.2 6,20 0,690 26.15 0.75 -/ 6.18 0.690 26.15 0.92 6.9 =/ 6.18 0.690 26.19 0.4 1.06 26.27 0.4 1.22 10.689 SAMPLE COLLECTION INFORMATION: Preservative **Container Requirements** Collected 3-40 Ml UIDIS HC1 Lamotte Turkidmeter calibrated to 10 ntm, 0.0 nta Howthou cell + tubing = 440 ml Horiba Autocalibrated with standards, Ph 4:00 0.0 ntm 4.49 ms/cm

Circle if Applicable:		 Signature(s):
MS/MSD Duplica	nte IID No.:	Scott R. Mcg



Page__/ of /

Domestic Well Data	Project Site Name: Project No.:	America N1075	n Ber . 1811	yllium	<u> </u>		ID No.: Location: d By:		
Date: 3/10/03 Color pH 8.C. Temp. Turbidity DO Salinity Other NTU (mg/l) (%) OLP OLP	Monitoring Well Data Other Well Type:					C.O.C. Type of Low	No.: Sample: Concentra	ation	
Time: / 0 20 (Visual) (S.U.) (mS/cm) (°C) (NTU) (mg/l) (%) 0 € P Method: (JPAY 5.35 1.34 23.95 8 3.52 -32 PRIGE DATA: Data: 3/10/07 Volume pH S.C. Temp. Turbidity DO Salinity Other Method: Product Frod Hump 5.20 1.34 23.91 10 3.03 27 Monitor Reading (ppm): №/ ↑ 5.20 1.34 23.91 10 3.03 27 Well Casing Diameter & Material 5.31 1.34 27.98 11 0.99 -10 State Water Level (WL): 3.74 5.33 1.34 23.92 7 3.39 -21 One Casing Volume(gaML): 5.33 1.34 23.92 7 3.39 -21 One Casing Volume(gaML): 5.33 1.34 23.94 2 3.94 3.54 -27 End Purge (Irns): 0950 5.34 1.34 23.94 4 3.54 -27 End Purge (Irns): 0950 5.35 1.34 27.95 8 3.52 -32 Total Vol. Purged (gifu): 2.5 SAMPLE COLLECTION INFORMATION: Analysis Preservative Container Requirements Collected B2.60 H/(1 3.94 10.0 M//min) Circle If Applicable: Stansturé(e):	SAMPLING DATA:								
Method: 1/2 1/3	Date: 3/10/03	Color	pH	8.C.	1 .	Turbidity	DO -	1 -	Other
PURGE DATA: Date: 3/10/07 Volume pH S.C. Temp. Turbidity DO Salinity Other		<u> </u>		+				(%)	
Date: Storo John Storo		CLEAT	15.35	11.54	23.95	0	3.52	L	
Method: Prof.			1	1		The said field for a	200	Callala	T
Monitor Reading (ppm): \(\frac{M}{f} \)		Volume						Saurity	+
Well Casing Diameter & Material		 	4						
Type: 2" PW 5.3/ 1.34 23.89 6 2.56 -14 Total Well Depth (TD): 20 5.3/ 1.34 23.91 5 3.27 -17 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 23.92 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 23.96 2 3.43 -24 Start Purge (hrs): 10/5 5.35 1.34 23.96 2 3.57 -27 End Purge (hrs): 10/5 5.35 1.34 23.96 2 3.52 -32 Total Purge (hrs): 25 3.55 1.34 23.96 9 3.52 -32 Total Purge (hrs): 10/5 5.35 1.34 23.96 9 3.52 -32 Total Purge (hrs): 10/5 5 3.35 1.34 23.96 9 3.52 -32 Total Purge (hrs): 25 7 8 3.52 7 5 8 3.52 7 5 8 3.52 Total Vol. Purged (gál/L): 2.5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		<u> </u>		 		1//-		ļ	
Total Well Depth (TD): 20	Well Casing Diameter & Material		-	 -		//		 	
Static Water Level (ML): 3,74 5.33 1.34 23.92 7 3.39 -2.1	Type: 2" PVC	<u> </u>							
One Casing Volume(gal/L): 5.33 1.34 23.96 2 3.43 -24 Start Purge (hrs): 0950 5.34 7.34 23.94 4 3.54 -27 End Purge (hrs): /0/5 5.36 7.34 23.94 9 3.52 -32 Total Purge Time (min): 25 Total Vol. Purged (gal/L): 2.5 SAMPLE COLLECTION INFORMATION: Analysis Preservative Container Requirements BA60 # 1 Uial 5 OBSERVATIONS / NOTES: Flowafe 100 ml/min Clircle If Applicable: Signaturé(a):									
Start Purge (hrs): 0950 5.34 1.34 23.94 4 3.54 -27	Static Water Level (WL): 3.74		5.33	1.34	23.92				- 2/
End Purge (hrs): / 0/5	One Casing Volume(gal/L):	1	5.33	1.34	23.96	2			-24
Total Purge Time (min): 25 Total Vol. Purged (gál/L): 2.5 SAMPLE COLLECTION INFORMATION: Analysis Preservative Container Requirements Collected 8260 #(f 3-40 m) Urals OBSERVATIONS / NOTES: Floware 100 m/min Circle If Applicable: Signaturé(s):	Start Purge (hrs): 0950		5.34	1.34	23.94	4	3.54		-27
Total Purge Time (min): 25 Total Vol. Purged (gal/L): 2	End Purge (hrs): 1015		5.35	1.34	23.95	8	3.52		- 32
Total Vol. Purged (géll.): 25 SAMPLE COLLECTION INFORMATION: Analysis Preservative Container Requirements Collected 8260 HCI 3-40 M UIAIS OBSERVATIONS / NOTES: Flowrate 100 ml/min Circle If Applicable: Signaturé(s):									
SAMPLE COLLECTION INFORMATION: Analysis Preservative Container Requirements Collected 8260 Hu 3-40 m unls Description of the second of the						7			
B360 #(1 3-40 m/ vials OBSERVATIONS / NOTES: Flowate 100 m/min Circle If Applicable: Signaturé(s):		ATION:			 		<u> </u>	<u> </u>	
OBSERVATIONS / NOTES: Flowrate 100 ml/min Circle if Applicable: Signaturé(s):	Analysis		Preset	vative			equirements		Collected
Flowrate 100 ml/min Circle If Applicable: Signaturé(s):	8260		HC	/	3-40	m/ VIa	1/5		
Flowrate 100 ml/min Circle If Applicable: Signaturé(s):		· · · · · · · · · · · · · · · · · · ·	ļ						
Flowrate 100 ml/min Circle if Applicable: Signaturé(s):			 			·			
Flowrate 100 ml/min Circle if Applicable: Signaturé(s):			 		 				
Flowrate 100 ml/min Circle if Applicable: Signaturé(s):		 .	+						
Flowrate 100 ml/min Circle if Applicable: Signaturé(s):			+		 		:		
Flowrate 100 ml/min Circle If Applicable: Signaturé(s):			1	· · · · · · · · · · · · · · · · · · ·	 	•			†
Flowrate 100 ml/min Circle if Applicable: Signaturé(s):								·	
Flowrate 100 ml/min Circle if Applicable: Signaturé(s):									
Circle if Applicable:									
Circle If Applicable: Signature(s):	Flowrate 100 ml,	min							
Circle If Applicable: Signature(s):									
Circle if Applicable: Signatura(s):									
Circle If Applicable: Signature(s):			<u> </u>			<u> </u>		-	,
MOMEN Desirate ID No.						Signature(s	s):	AI	
MS/MSD Duplicate ID No.: TT- D4P-3 Leatt R. M. C. J.	MS/MSD Duplicate ID No					Sca	tt R.	Mcg	



Project Site Name:	America	an Ben	1/1/4M		Sample	ID No.:	TT-MU	ב-ע
Project No.:	NIO7	5.1811	5		Sample Location: MW-7 Sampled By: S.MG			
						Sampled By: S.MG		
[] Domestic Well Data					C.O.C.	No.:		
Monitoring Well Data				g (1994) 4 J.		Sample:		
Other Well Type:				4		v Concentr		
QA Sample Type:	-				[] Hig	h Concenti	ation	
SAMPLING DATA:								
Date: 3/10/03	Color	pН	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1050	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/i)	(%)	ORP
Method:	clear	7.45	0.172	22.43	2.9	0.97		- 212
PURGE DATA:								
Date: 3/10/03	Volume	рH	8.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump		4.61	0.188	22.51	42.1	3.14		-201
Monitor Reading (ppm): ル/舟		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		9.1	1.02		- 209
Total Well Depth (TD): 16/		7.45	0.172		2.9	0.97		-212
Static Water Level (WL): 221								
One Casing Volume(gal/L): 3.(1						1
Start Purge (hrs): 1030			1					
End Purge (hrs): 1045	1						1	
Total Purge Time (min): 1050/5					ļ <u></u>			
Total Vol. Purged (gál/L): 1.5								
SAMPLE COLLECTION INFORMA	TION:							
Analysis		Preser				equirements		Collected
8260		Ha	' 	3-4	40 ml	VIA/S		1
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OBSERVATIONS / NOTES:		<u>.l</u>		<u> </u>				
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Flourate 100 ml/m	IN	:				*		
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Olaska M Amaliant (Lai			· .
Circle if Applicable:					Signature(s	•	. 1	
MS/MSD Duplicate ID No.	•				J Con	#R.7	Ne YL	
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Project Site Name: Project No.:	America NIO7	an Be	ryllium	^			MW-D	
Domestic Well Data Monitoring Well Data Other Well Type: QA Sample Type:						Sample Location: Sampled By: C.O.C. No.: Type of Sample: Low Concentration High Concentration		
SAMPLING DATA:								
Date: 3/10/03	Color	pН	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: //20	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method: PURGE DATA:	clear	5.98	0.598	27.78	0	0.73	<u> </u>	-145
		 						
Date: 3/10/07	Volume	рН	s.c.	Temp.	Turbidity	DO	Salinity	Other
Method: Peristaltic Pump	_	6.02	0.567	27.24	42.9	3.97		-115
Monitor Reading (ppm): ル/舟		6.02	0.571	27.36	19.2	1.68	<u> </u>	-122
Well Casing Diameter & Material	<u></u>	5.98	0.589	27.49	4.1	0.96		-130
Type: 211 PVC		5.98	0.597	27.72	3.2	0.81		-140
Total Well Depth (TD): 201		5.98	0.598	27.78	0	0.73		-145
Static Water Level (WL): 3./	1. 4							
One Casing Volume(gal/L): 3 ·/								
Start Purge (hrs): /100	1	1						
End Purge (hrs): //15								
Total Purge Time (min): 420/5	+	 	<u> </u>				 	
Total Vol. Purged (gal/L): 1.5	1	+	 		 			
SAMPLE COLLECTION INFORMA	ATION:	-L	<u> </u>			<u> </u>	<u>L</u>	
Analysis		Preser	vative	1	Container R	equirements		Collected
8260		He	/	3-		ials		
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<u> </u>	·····	 		 			 	
OBSERVATIONS / NOTES:				<u> </u>				<u> </u>
Howate 100 ml/n	11/1							
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Circle if Applicable:					Signature(s			
MS/MSD Duplicate ID No.	:				& Cat	H R.	Mcg	



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Method: PURGE DATA: Date: 3/10/03 Method: PESS Taltic Rim P Monitor Reading (ppm): N/A	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp.				
Date: 3/(0/0) Time: 1(55 Method: PURGE DATA: Date: 3/(0/0)	(Visual)	(S.U.)	(mS/cm)					
Time: 1(55 Method: PURGE DATA: Date: 3/10/0) Method: PFISTA/TIC PUMP Monitor Reading (ppm): N/A	clear	(S.U.)	(mS/cm)		Turbidity	DO	Salinity	Other
Method: PURGE DATA: Date: 3/10/03 Method: 9855 tal tic Rim P Monitor Reading (ppm): N/A	clear			(°C)	(NTU)	(mg/l)	(%)	ORP
PURGE DATA: Date: 3/10/03 Method: 1/6/15 tal tic Rim P Monitor Reading (ppm): N/A			1).325	72-37	1.6	0.59		-7(
Method: PEFIS Tal Tic Pum P Monitor Reading (ppm): N/A	Volume			1.				
Monitor Reading (ppm): ル/み		рН	S.C.	Temp.	Turbidity	DO	Salinity	Other
Monitor Reading (ppm): ル/み		6.12	0.335	22.61	11.1	4.07		10
		6.34	0.328		5.5	1.30		-17
		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		1.6	0.59		- 71
Static Water Level (WL): 3.95	+	10.37	0.325	22.3/	1.6	0.57		- //
One Casing Volume(gal/L): 3./	 	 		· · ·				
		 						
Start Purge (hrs): 1135		 	 		 	 		
End Purge (hrs): //50	 	ļ			ļ			<u> </u>
Total Purge Time (min): 15		ļ				<u> </u>		
Total Vol. Purged (gel/L): 1.5		<u> </u>				·		
SAMPLE COLLECTION INFORM	ATION:			·				
Analysis		Preser				equirements		Collected
8260	·	140	(3-4	omi vo	alc		
		 						
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OBSERVATIONS / NOTES:								
Flowrate 100 ml/m	ń							
Circle if Applicable:					Signature(s):		
MS/MSD Duplicate ID No). :				& Con	4 R. A	uc d	· <u>·</u>



Project Site Name: Project No.:	America NIO75	L Ber	ellium		Sample Sample Sample	ID No.: Location: d By:	MW-S	W-5
Domestic Well Data Monitoring Well Data Other Well Type: QA Sample Type:					C.O.C. Type of	No.: Sample: Concentra h Concentra	ation	
SAMPLING DATA:						* -		
Date: 3/(0/03	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: /225	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	36
Method:	clear	6.28	0.300	2296	4.7	1.58	<u> </u>	36
PURGE DATA:	,	,	_		·	·		1
Date: 3/(0/0)	Volume	pH	8.C.	Temp.	Turbidity	DO	Salinity	Other
Method: PP/15/a/ti- Pump		6.21	0.311	22.91	13.6	3.38		35
Monitor Reading (ppm): NA		6.26	0308	22.87	8.0	1.37		32
Well Casing Diameter & Material		6.29	0304	22,89	10.6	0.85		30
Type: 21 PVC		6.27	0.30/	27.90	8.2	1.61		3/
Total Well Depth (TD): (01		6.24	0.299		6.3	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								1
Total Purge Time (min): 15		┼──	 	<u> </u>			 	1
Total Vol. Purged (gál/L): 1.5	 	 			 			
SAMPLE COLLECTION INFORMA	TION:	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>. </u>	<u> </u>	1
Analysis		Preser	vative		Container R	equirements		Collected
8260		HO		3-4		rals		
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OBSERVATIONS / NOTES:		<u> </u>				·		<u> </u>
Flowrate 100 Ml/	min							
Circle if Applicable:					Signature(s		. · ·	
MS/MSD Duplicate ID No.:	F1- L	Ra-	4		1 // //	;; t R.W	10 9	<u>.</u>



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	Meric	an B	ery 11,	4m	Sample Sample	Location: d By:	MW-4 S. M-G	w-4 zure
Domestic Well Data Monitoring Well Data Other Well Type: QA Sample Type:					& Low	No.: Sample: Concentra h Concentr		
SAMPLING DATA:							·	
Date: 3/10/03	Color	рH	8.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1255	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	ORP
Method:	clear	5.61	0.605	24.06	6.8	7.68		104
PURGE DATA:		,	· · · · · · · · · · · · · · · · · · ·			r	,	
Date: 3/10/03	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Perstattic Pump		5.79	0.622	24.32	16.8	6.41		84
Monitor Reading (ppm): A/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: 29 PUC		5.62	0.606	24.21	9.3	8.34		104
Total Well Depth (TD): 191			0.606	24.11	10.1	7.59		104
Static Water Level (WL): 3.44	1	5.62	0.605	24.08	7.2	7.73	· · · · · ·	104
One Casing Volume(gal/L): 3./		5.61	0.605	24.06	6.8	7.68	 	104
Start Purge (hrs): 1230	 -	D. 07	0.603	21.00	6.8	7.00		1707
End Purge (hrs): 1250		 	-					
Total Purge Time (min): 20	 	 				 		
Total Vol. Purged (gál/L): 2.0				•	1 1		-	†···
SAMPLE COLLECTION INFORMA	TION:		l					
Analysis		Preser	vative		Container R	equirements		Collected
8260		HC		3- 4		ials		
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		ļ						
		 						ļ
		 						
		 						
		 						
OBSERVATIONS / NOTES:								<u> </u>
Flowrate 100 ml	lmin							
				<u> </u>				
Circle if Applicable:					Signature(s):		
MS/MSD Duplicate ID No.:	T-DUP	0-4			Sca	HR.	Meg	·



mencan Benglium Sample ID No.: Project Site Name: 111075-1910 Sample Location: Project No.: Sampled By: C.O.C. No.: □ Domestic Well Data Monitoring Well Data
Other Well Type: Type of Sample: Low Concentration High Concentration [] QA Sample Type: SAMPLING DATA: Date: 3/10/43 Color рΗ S.C. Temp. Turbidity DO Salinity Other ORP Time: 1439 (°C) (NTU) (%) (S.U.) (mS/cm) (Visual) (mg/l) 0,958 29 25 5.2 - 295 11.28 1.70 Method: clear PURGE DATA: Date: 3/10/03 Volume S.C. Temp. Turbidity DO Salinity Other -59 5.61 0.412 29.46 591 8.76 Method: Peristal fic Pump Monitor Reading (ppm): ルタ 11.09 0.883 29.20 17.5 3.// -242 1.39 -247 Well Casing Diameter & Material 11.20 0.927 29.24 8.8 Type: 2" PVC 52 11.23 0.939 29.14 7.0 -261 93 11.26 0.954 29.00 41 1.61 - 291 Total Well Depth (TD): 11.88 29.25 5.2 Static Water Level (WL): 1-78 -295 One Casing Volume(gal/L): 3./ 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 3-40 MI VIAIS HU OBSERVATIONS / NOTES: Flourate 400 ml/min Circle if Applicable: Cett R. M. J MS/MSD **Duplicate ID No.:**



				. •					
	NON-HAZARDOUS	1. Generator's US EPA I	D No.	Manifest Doc. No.	2. Page	1 4			
	WASTE MANIFEST	<u> </u>	<u> </u>		of .	U	30	1217	
•	Generator's Name and Mailing Address	ETYA TECH	1 NUS.	** .					
	\dot{u}	OIE, OCE	And Blue	of 57681	9	•			
1.	7.	UIE, OCE	AN DIE		-				
	4. Generator's Phone (562)495-0493	ong Beach	, FL 908	205					
	5. Transporter 1 Company Name	6.	US EPA ID N			sporter's P	_		
	SWS Environme	nial Fil	0.0.009	196744	72	<u>7-55</u>	16.	-6193	
1	7. Transporter 2 Company Name	8.	US EPA ID N	lumber	B. Tran	sporter's P	hone		
		<u></u>	<u> </u>	<u> </u>		·		· "	
1	9. Designated Facility Name and Site Address	- O ^{10.}	US EPA ID N	lumber	C. Faci	lity's Phone		•	
	Clark Environme	mal	•					-	
	755 Pravie InDustria Mulberry, FL 3386	R PKWY IT	200112	(1)	À1	, ,	176	-1100	4
		,0 FL	07.84.2	0.6.00.3	04				
1	11. Waste Shipping Name and Description					12. Cont		13. Total	14. Unit
			 			No.	Туре	Quantity	Wt/Voi
	a.		0-1-0	. 1	,			,	
	NON PLRA REGULATECL	Industria	X SOLOC	Waste		009	חת	16500	165
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	d.	tu i i i i i i i i i i i i i i i i i i i							1
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. " .	D. Additional Descriptions for Materials Listed Above	/e			E. Hand	dling Codes	for Was	stes Listed Above	1
1	D. Additional Descriptions for Materials Listed About	ve			E. Hand	dling Codes	for Was	stes Listed Above	
		ve			E. Hand	dling Codes	for Was	stes Listed Above	
	D. Additional Descriptions for Materials Listed Above	ve			E. Hand	dling Codes	for Was	stes Listed Above	
					E. Hand	dling Codes	for Was	stes Listed Above	
	8276-DTO1				E. Hand	dling Codes	for Was	stes Listed Above	
	8276-DTO1				E. Hand	dling Codes	for Was	stes Listed Above	
	8276-DTO1				E. Hand	dling Codes	for Was	stes Listed Above	
	8276-DTO1				E. Hand	dling Codes	for Was	stes Listed Above	
	8276-DTO1				E. Hand	dling Codes	for Was	stes Listed Above	
	8276-DTO1				E. Hand	dling Codes	for Was	stes Listed Above	
	8276-DTO/ 15. Special Handling Instructions and Additional Info	ormation	his manifest are not su	ibject to federal requia	-				iste.
	8276-DTO1	ormation	his manifest are not su	ubject to federal regular	-				
\	15. Special Handling Instructions and Additional Info 16. GENERATOR'S CERTIFICATION: I certify the reprinted/Typed Name	ormation materials described above on t			ions for n			sal of Hazardous Wa	
\	15. Special Handling Instructions and Additional Info 16. GENERATOR'S CERTIFICATION: I certify the re Printed/Typed Name JOHN NUNEM	pormation The state of the st		ibject to federal regular	ions for n			sal of Hazardous Wa	
	15. Special Handling Instructions and Additional Info 16. GENERATOR'S CERTIFICATION: I certify the reprinted/Typed Name	pormation The state of the st			ions for n			sal of Hazardous Wa	/ b 3
TRANS	15. Special Handling Instructions and Additional Info 16. GENERATOR'S CERTIFICATION: I certify the reprinted/Typed Name 30 HN NONE N 17. Transporter 1 Acknowledgement of Receipt of M	pormation The state of the st	Signature		ions for n			sal of Hazardous Wa Month Day	1 þ 3 Vær
—————————————————————————————————————	15. Special Handling Instructions and Additional Info 16. GENERATOR'S CERTIFICATION: I certify the reprinted/Typed Name 30 HN NONE N 17. Transporter 1 Acknowledgement of Receipt of M	materials described above on the standard standa	Signature		ions for n			sal of Hazardous Wa Month Day	/ b 3
▼ TRAZ%PORTI	15. Special Handling Instructions and Additional Info 16. GENERATOR'S CERTIFICATION: I certify the re Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Management of Printed/Typed Name	materials described above on the standard standa	Signature		ions for n			sal of Hazardous Wa Month Day	Year Year Year
THE TROPOST ★	15. Special Handling Instructions and Additional Info 16. GENERATOR'S CERTIFICATION: I certify the re Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Management of Receipt of	materials described above on the standard standa	Signature Signature		ions for n			sal of Hazardous Wa Month Day もっと Month Day	Year Year Year
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AZSPORTER	16. GENERATOR'S CERTIFICATION: I certify the reprinted/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Management of Receipt of Manage	materials described above on the standard standa	Signature Signature		ions for n			sal of Hazardous Wa Month Day もっと Month Day	Year Year Year
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AZSPORTER F	16. GENERATOR'S CERTIFICATION: I certify the reprinted/Typed Name 17. Transporter 1 Acknowledgement of Receipt of North Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt of North Printed/Typed Name 19. Discrepancy Indication Space	materials described above on the second seco	Signature Signature Signature	n ri	ions for n			sal of Hazardous Wa Month Day もっと Month Day	Year Year Year
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TRANSPORTER #1

	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No		030/2/	7
-	Generator's Name and Mailing Address	Terra Tech,	NUS .			
		101 F. Ocea	~ BIVD STE	810		
	 4. Generator's Phone (56) 1495 5. Transporter 1 Company Name 	Long Beach a	F/A 7080	A. Transporter	o Dhine	
И.	5. Transporter I company Name 5.1.1.5 - Environmental	FIDOC	2096744	727-		\rightarrow
	7. Transporter 2 Company Name	·	S EPA ID Number	B. Transporter		
	O Designated Facility Name and Site Address	, , 10. U	S EPA ID Number	C. Facility's Ph		
	9. Designated Facility Name and Site Address Clark Churrorme 755 Praire Ind.	nta L	S EPA ID Number	C. Facility's Pri	one	
	755 Praise Ind.	PRWY FING	84206003	063.	1175 1195	24
	11. Waste Shipping Name and Description	860 VIII.	8.90000	1863	ontainers 13.	14.
	11. waste Shipping Name and Description			No.	Total Type Quantity	Unit Wt/Vol
	a.				440	
	NON RORA INDUST	solver Soild	Waste	009	YUM HETOD	01/6
G	b.				//	
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Ï	d.		<u> </u>			+
			T			
	D. Additional Descriptions for Materials Listed Above	/e		E. Handling Co	des for Wastes Listed Abo	ove
	8276-0701		· .			
	15. Special Handling Instructions and Additional Infe	ormation				·
Ш		0		1 0	100	Q 878
	IN COSE	e of of	emerge;	y 110m	800-8	8079
		i e		/-	800 0	
	16. GENERATOR'S CERTIFICATION; I certify the	naterials described above on this manif	are not subject to federal regu	lations for reporting	proper disposal of Hazardous	Waste.
	Printed/Typed Name	Signa	dure		Month	Day Year
T R	17. Transporter 1 Acknowledgement of Receipt of N	Materials (SKK HILL		<u> </u>	<i>37 0</i> 0
ĥ	Printed/Typed Name	Signa	ture		Month	Day Year
S P O	18. Transporter 2 Acknowledgement of Receipt of N	Materials		•		
RTER	Printed/Typed Name	Signa	tore C			Day Year
Ř	19. Discrepancy Indication Space		won m		<u> </u>	5.40
_	, , , , , , , , , , , , , , , , , , ,					
F A C						
# 1 - ()	20. Facility Owner or Operator. Certification of recei	pt of waste materials covered by thi	s manifest except as noted in	Item 19.	 	
Υ	Printed/Typed Name	Signa	type .	, ,	Month	Day , Year
	SHINOUL CRES		Helion K	Cress	1021	24 h3
	TO A STATE OF THE					
v-99		TRANSPO	RTER #1			

INTO TANK#5

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NON-HAZARDOUS WASTE MANIFEST	1. Generator's US FLCES		Manifest Doc. No.	2. Page of	/	03	D1217	,
3. Stangrage's Marrie and Marting Address	TETTA T	ECH, NUS						
Beryllium	401=0	DCEAN B	ud stes	lo	-			* .
4. Generator's Phone (562) 495-04								
5. Transporter 1 Company Name	-b D orter K	6. US EPA ID	Number	A. Tran	sporter's Pl	hone	<u></u>	
SWS ENVIRON M	ental 1	FL0.0.00.		72	フーケ	46	-6193	3
7. Transporter 2 Company Name		8. US EPA ID		B. Tran	sporter's F	Phone	,	
9. Designated Facility Name and Site Address SOUTHWAN WASTE Se		10. US EPA ID	Number	C. Faci	lity's Phone			
901 MCClosky Blue								
TAMDA, FL 33605.	6717 1	FLR 00.00	21.2.823	8	13-7	241	-028	Z_
11. Waste Shipping Name and Description					12. Conta	ainers	13. Total	14. Unit
			· · · ·		No.	Туре	Quantity	Wt/Vol
a.	5-1-	5 4					6 a	16
NOW PCRA Legulated	(persone	un produ	er was		0/2	Na	-35	1/6
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 D. Additional Descriptions for Materials Listed Abo 								
1				E. Hane	uning Occes	3 101 114		
	•••			E. Han	ainig Codes	3 101 ***	303 2303 73070	ı
				E. Hand	aming oddes	3101 ***	3.03 25.03 7.007	
15. Special Handling Instructions and Additional Int				E. Hand	Jing Codes			50
				E. Hari	Jing Codes			
	formation							
	formation	se of	emerge	2103				**************************************
	formation	se of	emerge !-	2103				**************************************
	formation	se of	emerge l-	2103			72-88	**************************************
	formation (1) (9)		<i>l</i> -	ency - 80	/ 0D-	· 83	72-88	78
15. Special Handling instructions and Additional Inf	formation (1) (9)		<i>l</i> -	ency - 80	/ 0D-	· 83	72-88	78'
15. Special Handling Instructions and Additional Inf 16. GENERATOR'S CERTIFICATION: I certify the Printed/Typed Name	materials described abo	ove on this manifest are not	<i>l</i> -	ency - 80	/ 0D-	· 83	52-88 sal of Hazardous W	78'
15. Special Handling Instructions and Additional Info	materials described abo	ove on this manifest are not	<i>l</i> -	ency - 80	/ 0D-	· 83	52-88 sal of Hazardous W Month Da Make 1	78 /aste. / Year
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15. Special Handling Instructions and Additional Info	materials described about 95 gent	ove on this manifest are not	<i>l</i> -	ations for n	/ 0D-	· 83	52-88 sal of Hazardous W Month Da Make 1	78 /aste. / Year
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ORIGINAL - RETURN TO GENERATOR



5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Log #: L73952-1

Page: Page 1 of 3 Date: 03/13/2003

Analytical Report: TT-MW-8S

Date Sampled: 03/06/2003

Time Sampled: 10:15

Date Received: 03/07/2003 Collected By: Client

Reportable Extr. Anly. Parameter Results Units Method Limit Date Date Analyst Volatile Organic Compounds 03/13 BDL 5030/8260 10 03/13 BL Acetone ug/150 03/13 03/13 BLAcrolein BDL uq/l 5030/8260 \crylonitrile BDT. ug/l 5030/8260 1.0 03/13 03/13 BL BDL 5030/8260 1.0 03/13 03/13 BLenzene uq/l 5030/8260 1.0 03/13 03/13 BDT. BI. Bromobenzene uq/1Bromochloromethane BDL 5030/8260 1.0 03/13 03/13 BLuq/10.60 Bromodichloromethane BDL 5030/8260 03/13 03/13 BLug/l5030/8260 1.0 03/13 03/13 BL Bromoform BDL uq/103/13 BDL ug/l5030/8260 2.0 03/13 BLBromomethane 5030/8260 03/13 03/13 BLn-Butylbenzene BDL uq/l 1.0 5030/8260 1.0 03/13 03/13 BI. sec-Butylbenzene BDL ug/l tert-Butylbenzene BDL ug/l 5030/8260 1.0 03/13 03/13 BL Carbon Disulfide BDL 5030/8260 10 03/13 03/13 BL ug/1Carbon Tetrachloride BDL ug/15030/8260 1.0 03/13 03/13 BL 03/13 03/13 BL Chlorobenzene BDL ug/15030/8260 1.0 Chloroethane BDL 5030/8260 1.0 03/13 03/13 BLug/15030/8260 03/13 03/13 BL2-Chloroethylvinyl Ether BDL ug/l 10 Chloroform BDL 5030/8260 1.0 03/13 03/13 BLug/l Chloromethane BDL uq/l5030/8260 1.0 03/13 03/13 BL 2-Chlorotoluene BDL 5030/8260 1.0 03/13 03/13 BLug/l4-Chlorotoluene BDL ug/l 5030/8260 1.0 03/13 03/13 BL BDL 1.0 03/13 BL 1,2-Dibromo-3-Chloropropane ug/l5030/8260 03/13 5030/8260 0.40 03/13 03/13 Dibromochloromethane BDL ug/l Dibromomethane 1.0 03/13 03/13 BDL ug/l 5030/8260 BL 1.2-Dibromoethane BDL ug/l 5030/8260 1.0 03/13 03/13 BDL 03/13 BL 1,2-Dichlorobenzene ug/l 5030/8260 1.0 03/13 1,3-Dichlorobenzene BDL 5030/8260 1.0 03/13 03/13 BL ug/l 1,4-Dichlorobenzene BDL ug/l5030/8260 1.0 03/13 03/13 BLichlorodifluoromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL

Client #: TAM-94-120329 Tetra Tech NUS Address:

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

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

Page: Page 2 of 3

Date: 03/13/2003

Log #: L73952-1

				Reportable	Extr.	Anly.		
Parameter	Results	Units	Method	Limit	Date	Date	Analyst	
Volatile Organic Compounds	(continued)					4	• •	
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/1	5030/8260	1.0	.03/13	03/13		
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13		
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13		
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13		
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13		
2,2-Dichloropropane	BDL	ug/1 ug/l	5030/8260	1.0	03/13	03/13		
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13		
trans-1,3-Dichloropropene	BDL	ug/l ug/l	5030/8260	0.20	03/13		BL	
cis-1,3-Dichloropropene	BDL	ug/l ug/l	5030/8260	0.20	03/13	03/13	_	
	BDL		5,030/8260	1.0	03/13	03/13		
Ethylbenzene	BDL	ug/l	, .	1.0				
Mexachlorobutadiene	-	ug/l	5030/8260	1.0	03/13	03/13		
-Hexanone	BDL	ug/l	5030/8260		03/13	03/13		
Isopropyl Benzene	BDL	ug/1	5030/8260	1.0	03/13	03/13	3	
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13		
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13		
Methylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13		
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13		
MTBE	BDL	ug/l	5030/8260	1.0	03/13	03/13		
Naphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13		
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13		
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13		
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13		
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13		
Tetrachloroethene	BDL	ug/l	5030/8260		03/13	03/13		
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13		
Total Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13		
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13		
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260		03/13	03/13		
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13		
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	\mathtt{BL}	
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL	
Trichlorofluoromethane	BDL	ug/1	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

Tetra Tech NUS Address:

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-8S

5030/8260

5030/8260

Date Sampled: 03/06/2003

Page: Page 3 of 3

Date: 03/13/2003

Log #: L73952-1

Time Sampled: 10:15

Date Received: 03/07/2003

62-133

56-135

Collected By: Client,

Reportable Extr. Anly. Parameter Results Units Method Limit Date Date Analyst Volatile Organic Compounds (continued) 5030/8260 03/13 BL Dilution Factor 03/13 1.0 Surrogate Recoveries: 5030/8260 Dibromofluoromethane 109 68-145 03/13 03/13 BL

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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

4-Bromofluorobenzene

DOH# E86240

NC CERT# 444

Respectf

Toluene-D8

ADEM ID# 40850

90.0

102

IL CERT# 200020

SC CERT# 96031001

TN CERT# 02985

USACE

GA CERT# 917

VA CERT# 00395

USDA Soil Permit# S-35240

Steve Walton

Client Technical Svcs. Manager

03/13

03/13

03/13

03/13

 $_{\mathrm{BL}}$

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-8D

Date Sampled: 03/06/2003

Time Sampled: 10:45

Date Received: 03/07/2003

Page: Page 1 of 3
Date: 03/13/2003

Log #: L73952-2

Parameter Results Units Method	Limit 1	Date I	Date 2	Analyst
Volatile Organic Compounds				
	10	03/13 (03/13	BL
Acrolein BDL ug/1 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/1 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/1 5030/8260	1.0	03/13 (03/13	BL
Bromomethane BDL ug/1 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/1 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
	1.0	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

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

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

Page: Page 2 of 3

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.	Anly.	Analyst
Farameter .	Kenarca	OHECS	Method	ZIMI C	Duce	Date	and a year
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/1	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 Tetra Tech NUS Address:

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

Analytical Report: TT-MW-8D Date Sampled: 03/06/2003

Time Sampled: 10:45

Date Received: 03/07/2003

Page: Page 3 of 3

Date: 03/13/2003

Log #: L73952-2

Collected By: Client

American Beryllium

Sarasota

Reportable Extr. Anly. Parameter Results Units Method Limit Date Date Analyst Volatile Organic Compounds (continued) 5030/8260 Dilution Factor 1.0 03/13 03/13 Surrogate Recoveries: Dibromofluoromethane 118 5030/8260 68-145 03/13 BL 03/13 Toluene-D8 98.0 5030/8260 62-133 03/13 03/13 BL4-Bromofluorobenzene 5030/8260 108 56-135 03/13 03/13

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

DOH# E86240 ADEM ID# 40850 NC CERT# 444 IL CERT# 200020

SC CERT# 96031001

TN CERT# 02985

GA CERT# 917

TICACE

Steve Walton

USDA Soil Permit# S-35240 VA CERT# 00395

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-7S

Date Sampled: 03/06/2003

Page: Page 1 of 3

Date: 03/13/2003

Log #: L73952-3

Time Sampled: 11:15
Date Received: 03/07/2003 Collected By: Client

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
			:				
Volatile Organic Compounds						- 4 .	
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	\mathtt{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/1	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	\mathtt{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/1	5030/8260	1.0	03/13	03/13	BL

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-7S

Date Sampled: 03/06/2003 Time Sampled: 11:15

Page: Page 2 of 3

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

Date Received: 03/07/2003

				Reportable	Extr.	Anly.		
Parameter	Results	Units	Method	Limit	Date	Date	Analyst	
Volatile Organic Compounds	(continued)		5020 (0060		00/10	/		
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	5,030/8260	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	\mathtt{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	\mathtt{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/1	5030/8260	1.0	03/13	03/13		
1,3,5-Trimethylbenzene	BDL	ug/1	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		
	עעם	49/1	2020/0200	±. U	02/13	02/13	·	

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634

Attn: Scott McGuire

Sample Description: Analytical Report: TT-MW-7S

Date Sampled: 03/06/2003

Page: Page 3 of 3

Date: 03/13/2003

Log #: L73952-3

American Beryllium Time Sampled: 11:15

Sarasota 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	9	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	89.0	8	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	100	8	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

respectivity submitteed

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Page: Page 1 of 3
Date: 03/13/2003
Log #: L73952-4

Analytical Report: TT-MW-7D

Date Sampled: 03/06/2003

Time Sampled: 11:45

Date Received: 03/07/2003 Collected By: Client

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
							·
Volatile Organic Compounds	- F						
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	\mathtt{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	\mathtt{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	
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-7D

Date Sampled: 03/06/2003 Time Sampled: 11:45

Page: Page 2 of 3

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

Date Received: 03/07/2003

					Reportable	e Ertr	Anly.	
	Parameter	Results	Units	Method	Limit	Date	Date	Analyst
	Larame cer	Kebarob	011200					
-	Volatile Organic Compounds	(continued)			e, i		4	
	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
	Texachlorobutadiene	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/1	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/1	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	
	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	
,	inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
		and the second s						

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634

Attn: Scott McGuire

Analytical Report: TT-MW-7D

Date Sampled: 03/06/2003

Page: Page 3 of 3

Date: 03/13/2003

Log #: L73952-4

Time Sampled: 11:45

Date Received: 03/07/2003

Collected By: Client

Sample Description:

American Beryllium

Sarasota

Reportable Extr. Anly. Results Units Parameter Method Limit Date Date Analyst Volatile Organic Compounds (continued) 5030/8260 Dilution Factor 1.0 03/13 03/13 BL Surrogate Recoveries: Dibromofluoromethane 110 5030/8260 68-145 03/13 03/13 BL Toluene-D8 5030/8260 62-133 03/13 03/13 92.0 ٠ RT. 4-Bromofluorobenzene 99.0 5030/8260 56-135 03/13 03/13

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 DOH# E86240 ADEM ID# 40850 NC CERT# 444

IL CERT# 200020

SC CERT# 96031001

VA CERT# 00395

TN CERT# 02985

USACE GA CERT# 917

USDA Soil Permit# Ś-35240

Respectful/1//symbmitt

Steve Walton

Client #: TAM-94-120329 Tetra Tech NUS Address:

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Page: Page 1 of 3 Date: 03/13/2003 **Log #:** L73952-5

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

			I	Reportable	e Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	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
nzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	\mathtt{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/1	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

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

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

Page: Page 2 of 3

Analytical Report: TT-MW-15S

Date Sampled: 03/06/2003

Time Sampled: 12:25

Date Received: 03/07/2003 Collected By: Client

				Reportable	Extr.	Anly.	•
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
_							
Volatile Organic Compounds	(continued)	4=			/		
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		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/1	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	,	
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260		03/13	03/13	
Vinyl Acetate	BDL	ug/1	5030/8260	10	03/13	03/13	
inyl Chloride .	BDL	ug/l	5030/8260	1.0	03/13	03/13	
. , •= = -	. ———	-a, -		- -	,	,	

Client #: TAM-94-120329 Tetra Tech NUS Address:

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

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

Page: Page 3 of 3

Sample Description:

Analytical Report: TT-MW-15S
Date Sampled: 03/06/2003

Time Sampled: 12:25

Date Received: 03/07/2003

Collected By: Client

American Beryllium

Sarasota

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	ક	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	85.0	ક	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	91.0	8	5030/8260	56-135	03/13	03/13	BL
		and the second second					

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 DOH# E86240 ADEM ID# 40850 NC CERT# 444

IL CERT# 200020

SC CERT# 96031001

TN CERT# 02985

USACE

GA CERT# 917

VA CERT# 00395 USDA Soil Permit# S-35240

Steve Walton

Client #: TAM-94-120329 Tetra Tech NUS Address:

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

Analytical Report: TT-MW-15D

Date Sampled: 03/06/2003

Time Sampled: 13:05

Page: Page 1 of 3

Date: 03/13/2003

Log #: L73952-6

American Beryllium

Date Received: 03/07/2003 Sarasota

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	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	\mathtt{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/1	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/1	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

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium Sarasota

Analytical Report: TT-MW-15D Date Sampled: 03/06/2003

Page: Page 2 of 3
Date: 03/13/2003

Log #: L73952-6

Time Sampled: 13:05

Date Received: 03/07/2003 Collected By: Client

	the state of the s			Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analys
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
'Aexachlorobutadiene	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/1	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/1	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

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

Analytical Report: TT-MW-15D Date Sampled: 03/06/2003

Page: Page 3 of 3

Date: 03/13/2003

Log #: L73952-6

Time Sampled: 13:05 American Beryllium Sarasota **Date Received:** 03/07/2003

Collected By: Client

Reportable Extr. Anly. Limit Date Parameter Results Units Method Date Analyst Volatile Organic Compounds (continued) 5030/8260 03/13 03/13 BL Dilution Factor 1.0 Surrogate Recoveries: 5030/8260 03/13 Dibromofluoromethane 112 68-145 03/13 BL Toluene-D8 8 5030/8260 62-133 03/13 03/13 BL 91.0 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 #2 SUB DOH# 86122,86109,E86048

DOH# E86240 ADEM ID# 40850 NC CERT# 444

IL CERT# 200020

SC CERT# 96031001

TN CERT# 02985 GA CERT# 917

USDA Soil Permit# S-35240 VA CERT# 00395

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-14S

Date Sampled: 03/06/2003

Page: Page 1 of 3

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

Time Sampled: 14:35
Date Received: 03/07/2003 Collected By: Client

		*					
				Reportable	Extr.	Anly.	4
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
				it in the first		100	
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
Norylonitrile	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/1	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 / 1
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	\mathtt{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	\mathtt{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	
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	

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Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-14S

Date Sampled: 03/06/2003 Time Sampled: 14:35

Page: Page 2 of 3

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

Date Received: 03/07/2003 Collected By: Client

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analys
Volatile Organic Compounds	(
1,1-Dichloroethane	(continued) BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,2-Dichloroethane	BDL	ug/1 ug/1	5030/8260	1.0	03/13	03/13	BL
1.1-Dichloroethene	BDL	ug/l 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/1 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	
2,2-Dichloropropane	BDL	ug/1 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/1	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL	ug/l ug/l	5030/8260	0.20	03/13	03/13	BL
	BDL	ug/l ug/l	5,030/8260	1.0	03/13	03/13	BL
Ethylbenzene Yexachlorobutadiene	BDL	ug/l ug/l	5030/8260		03/13	03/13	BL
-Hexanone	BDL	ug/1 ug/1	5030/8260	10	03/13	• •	BL
Isopropyl Benzene	BDL	ug/1 ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/1 ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Methylene Chloride	BDL		5030/8260		03/13	03/13	BL
	BDL	ug/l	5030/8260	10	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	The second secon	ug/l	5030/8260	1.0	03/13	03/13	BL
MTBE	BDL	ug/1					-
Naphthalene	BDL	ug/l	5030/8260		03/13	03/13	BL BL
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	
Styrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
1,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260			03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/1	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		03/13	03/13	BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260		03/13	03/13	BL
Trichloroethene	BDL	ug/1	5030/8260	1.0	03/13	03/13	
1,1,2-Trichloroethane	BDL	ug/l	5030/8260		03/13	03/13	
1,2,3-Trichloropropane	BDL	ug/l	5030/8260		03/13	03/13	BL
Trichlorofluoromethane	BDL	ug/l	5030/8260		03/13	03/13	•
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260		03/13	03/13	
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260		03/13	03/13	
Vinyl Acetate	BDL	ug/l	5030/8260		03/13	03/13	
inyl Chloride .	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

Analytical Report: TT-MW-14S

Date Sampled: 03/06/2003

Page: Page 3 of 3

Date: 03/13/2003

Log #: L73952-7

Time Sampled: 14:35

Date Received: 03/07/2003

Collected By: Client

American Beryllium Sarasota

					Reportable	Extr.	Anly.	
Parameter		Results	Units	Method	Limit	Date	Date	Analyst
Volatile Organic Compo	unds (c	ontinued)						
Dilution Factor		1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:					Programme and the			A MARINE
Dibromofluoromethane		117	8	5030/8260	68-145	03/13	03/13	BL
Toluene-D8	11.5	91.0	8	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene		100	8	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

GA CERT# 917 USACE

VA CERT# 00395 USDA Soil Permit# S-35240

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

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

Page: Page 1 of 3

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

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/1	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

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-MW-14D
Date Sampled: 03/06/2003 Sample Description:

Page: Page 2 of 3
Date: 03/13/2003

Log #: L73952-8

Time Sampled: 17:20 American Beryllium

Date Received: 03/07/2003 Sarasota Collected By: Client

가 되면 가장에 있다. 그런 가게 가장하는 - 하위 그들은 하게 하는 것은 일본은 그리지 않는 것				Reportable	Extr.	Anly.		
Parameter	Results	Units	Method	Limit	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		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		03/13	03/13		
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		
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	
Texachlorobutadiene	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/1	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	\mathtt{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		
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13		
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13		
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13		
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13			
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13		
inyl Chloride	BDL	ug/l	5030/8260	1.0	03/13	03/13		
		~5/ ±	3030,0200	4.0		42/12	. u	

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-MW-14D

Date Sampled: 03/06/2003

Page: Page 3 of 3 Date: 03/13/2003

Log #: L73952-8

Time Sampled: 17:20

Date Received: 03/07/2003

Collected By: Client

Sample Description:

American Beryllium

Sarasota

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

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 DOH# E86240

NC CERT# 444

IL CERT# 200020

SC CERT# 96031001

ADEM ID# 40850 TN CERT# 02985

GA CERT# 917

VA CERT# 00395

USACE

USDA Soil Permit# S-35240

TUINA

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-13S

Date Sampled: 03/07/2003

Page: Page 1 of 3 Date: 03/13/2003

Log #: L73952-9

Time Sampled: 08:45

Date Received: 03/07/2003

				Reportable	Extr.	Anly.	
Parameter F	Results	Units	Method	Limit	Date	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:

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-MW-13S

Date Sampled: 03/07/2003

Page: Page 2 of 3

Date: 03/13/2003

Log #: L73952-9

Time Sampled: 08:45

Date Received: 03/07/2003 Collected By: Client

American Beryllium

Sarasota

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analys
Volatile Organic Compounds	s (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)	And the state of t	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/1	5030/8260	1.0	03/13	03/13	BL
1,1,2,2-Tetrachloroethane	BDL	ug/1	5030/8260	0.20	03/13	03/13	BL
Tetrachloroethene	BDL	ug/1	5030/8260	1.0	03/13	03/13	BL.
Toluene	BDL	ug/1	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/1	5030/8260	1.0	03/13	03/13	BL
1,2,4-Trichlorobenzene	BDL	ug/1	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/1	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		
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 BL
	221	ug/I	5030/6260	T. 0	02/13	03/13	ي سم،

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

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

Page: Page 3 of 3

Analytical Report: TT-MW-13S

Date Sampled: 03/07/2003

Time Sampled: 08:45

Date Received: 03/07/2003

Collected By: Client

Sample Description:

American Beryllium

Sarasota

				Reportable	Extr.	Anly.		
Parameter	Results	Units	Method	Limit	Date	Date	Analys	
		4		Section 1				
Volatile Organic Compounds	(continued)							
Dilution Factor	1.0		5030/8260		03/13	03/13	BL	
Surrogate Recoveries:								
Dibromofluoromethane	124	욯	5030/8260	68-145	03/13	03/13	BL	
Toluene-D8	98.0	ક	5030/8260	62-133	03/13	03/13	BL	
4-Bromofluorobenzene	107	9	5030/8260	56-135	03/13	03/13	BL	
			4.1					

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 DOH# E86240 ADEM ID# 40850 NC CERT# 444

IL CERT# 200020

SC CERT# 96031001

TN CERT# 02985 GA CERT# 917

USDA Soil Permit# S-35240 VA CERT# 00395

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-13D

Date Sampled: 03/07/2003

Page: Page 1 of 3 Date: 03/13/2003

Log #: L73952-10

Time Sampled: 09:15
Date Received: 03/07/2003

				Reportable	Extr.	Anly.	*
Parameter	Results	Units	Method	Limit	Date	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
Carlot and the Control of the Contro							

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-13D

Date Sampled: 03/07/2003

Page: Page 2 of 3

Date: 03/13/2003

Log #: L73952-10

Time Sampled: 09:15

Date Received: 03/07/2003 Collected By: Client

ranger (1987) in dispersion of the state of		****		Reportable		Anly.	33
Parameter	Results	Units	Method	Limit	Date	Date	Analys
Volatile Organic Compounds	(continued)						1 (1) 1 (4) 1 (4)
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
Texachlorobutadiene	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	\mathtt{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	ВĻ
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
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5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description: Analytical Report: TT-MW-13D

Date Sampled: 03/07/2003

Page: Page 3 of 3

Date: 03/13/2003

Log #: L73952-10

American Beryllium Time Sampled: 09:15

Sarasota Date Received: 03/07/2003

Collected By: Client

Reportable Extr. Anly. Limit Parameter Results Units Method Date Date Analyst Volatile Organic Compounds (continued) Dilution Factor 5030/8260 03/13 03/13 BL 1.0 Surrogate Recoveries: Dibromofluoromethane 119 5030/8260 68-145 03/13 03/13 BL \mathtt{BL} Toluene-D8 5030/8260 62-133 100 03/13 03/13 4-Bromofluorobenzene 5030/8260 56-135 03/13 03/13 BL 111

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

GA CERT# 917

VA CERT# 00395 USDA Soil Permit# S-35240

USACE

Respectfolfly subplitted

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-16S

Date Sampled: 03/07/2003

Page: Page 1 of 3

Date: 03/13/2003

Log #: L73952-11

Time Sampled: 09:50

Date Received: 03/07/2003

			F	eportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
						100	
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Acrolein	BDL	ug/l	5,030/8260	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/1	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	\mathtt{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

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-16S

Date Sampled: 03/07/2003

Page: Page 2 of 3

Date: 03/13/2003

Log #: L73952-11

Time Sampled: 09:50

Date Received: 03/07/2003

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	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/1	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/1	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
"我们,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是	The second secon	and the second second					

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-MW-16S

Date Sampled: 03/07/2003

Page: Page 3 of 3

Date: 03/13/2003

Log #: L73952-11

Time Sampled: 09:50

Date Received: 03/07/2003

Collected By: Client

Sample Description:

American Beryllium

Sarasota

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
Volatile Organic Compound	ds (continued)						
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:		Diskopilary					
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	ş	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

.P# 980126 DOH# E86240

DOH# E86224 NC (
SUB DOH# 86122,86109,E86048 ADEM ID# 40850 IL (

FLDEP Flags: Y-improper preservation, B-colonies exceed range; I-result between MDL and PQL

NC CERT# 444 IL CERT# 200020

SC CERT# 96031001 TN CERT# 02985 USACE GA CERT# 917

VA CERT# 00395 USDA Soil Permit# S-35240

Respectf//////submitted

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-16D
Date Sampled: 03/07/2003
Time Sampled: 10:20

Page: Page 1 of 3 Date: 03/13/2003

Log #: L73952-12

Date Received: 03/07/2003

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	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	BĽ
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

American Beryllium

Sarasota

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description: Analytical Report: TT-MW-16D

Date Sampled: 03/07/2003

Page: Page 2 of 3 Date: 03/13/2003

Log #: L73952-12

Time Sampled: 10:20

Date Received: 03/07/2003

Parameter							
r ar ame cer	Results	Units	Method	Limit	Date	Date	Analys
olatile Organic Compounds	(continued)						
,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
is-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
rans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
rans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
is-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
thylbenzene	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
sopropyl Benzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
EK(2-Butanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
ethylene Chloride	BDL	ug/l	5030/8260	5.0	03/13	03/13	\mathtt{BL}
IBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	03/13	03/13	BL
TBE	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
aphthalene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
-Propylbenzene	BDL	ug/1	5030/8260	1.0	03/13	03/13	
tyrene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
,1,1,2-Tetrachloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL .
,1,2,2-Tetrachloroethane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
etrachloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
oluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
otal Xylenes	BDL	ug/l	5030/8260	2.0	03/13	03/13	BL
,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
richloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/13	03/13	BL
richlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
inyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	BL
inyl Chloride							

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-16D

Date Sampled: 03/07/2003

Page: Page 3 of 3

Date: 03/13/2003 Log #: L73952-12

Time Sampled: 10:20

Date Received: 03/07/2003

Collected By: Client

				Reportable	Extr.	Anly.	
Parameter R	esults (Jnits	Method	Limit	Date	Date	Analyst
Volatile Organic Compounds (con	tinued)						
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:		and the second					
Dibromofluoromethane	111	옹	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	몽	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

SUB DOH# 86122,86109,E86048 ADEM ID# 40850

DOH# E86240

NC CERT# 444

IL CERT# 200020

SC CERT# 96031001

VA CERT# 00395

AP# 980126

TN CERT# 02985

USACE

GA CERT# 917

USDA Soil Permit# S-35240

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-9S

Date Sampled: 03/07/2003

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Date: 03/13/2003

Log #: L73952-13

Time Sampled: 11:15

Date Received: 03/07/2003

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	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
chlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-9S

Date Sampled: 03/07/2003

Page: Page 2 of 3

Date: 03/13/2003

Log #: L73952-13

Time Sampled: 11:15
Date Received: 03/07/2003

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
Volatile Organic Compounds	(continued)						er inge
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	
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	
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	
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
Trichloroethene	BDL	ug/l	5030/8260		03/13	03/13	
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	
1,2,3-Trichloropropane	BDL	ug/l	5030/8260		03/13	03/13	
Trichlorofluoromethane	BDL	ug/l	5030/8260		03/13	03/13	,
1,2,4-Trimethylbenzene	BDL	ug/1	5030/8260	1.0	03/13	03/13	
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260		03/13	03/13	
Vinyl Acetate	BDL	ug/l	5030/8260	A AP	03/13	03/13	
inyl Chloride	BDL	ug/1	5030/8260	1.0	03/13	03/13	
.		-3/-	2023/0200		00/20	22/13	

Client #: TAM-94-120329 Tetra Tech NUS Address:

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-9S

Date Sampled: 03/07/2003

Page: Page 3 of 3

Date: 03/13/2003

Log #: L73952-13

Time Sampled: 11:15

Date Received: 03/07/2003

Collected By: Client

					Reportable	Extr.	Anly.	
Parameter	I	Results	Units	Method	Limit	Date	Date	Analyst
Volatile Organic Comp	ounds (cor	tinued)						
Dilution Factor		1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:								
Dibromofluoromethane		124	9	5030/8260	68-145	03/13	03/13	BL
Toluene-D8		99.0	8	5030/8260	62-133	03/13	03/13	BL - Cont
4-Bromofluorobenzene		111	8	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

NC CERT# 444

IL CERT# 200020

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

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Log #: L73952-14

Page: Page 1 of 3
Date: 03/13/2003

Analytical Report: TT-MW-9D

Date Sampled: 03/07/2003

Time Sampled: 11:40

Date Received: 03/07/2003 Collected By: Client

Valatile Organic Compounds BDL ug/l 5030/8260 10 03/13 03/13 BL Acetone BDL ug/l 5030/8260 10 03/13 03/13 BL Acrolein BDL ug/l 5030/8260 1.0 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 Bromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromofloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromoform BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromomethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromomethane BDL ug/l 5030/8260 1.0 03/13 03/13					Reportable	Extr.	Anly.	
Acetone BDL ug/l 5030/8260 10 03/13 03/13 BL Acrolein BDL ug/l 5030/8260 50 03/13 03/13 BL Acrolein 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 Bromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromodichloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromoform BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromoform BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromomethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromomethane 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 Sec-Butylbenzene BDL ug/l 5030/8260 1.0 03/13 03/13 BL Carbon Disulfide BDL ug/l 5030/8260 1.0 03/13 03/13 BL Carbon Disulfide BDL ug/l 5030/8260 1.0 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 Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothune BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorotholune BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorotholune BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromochlane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromoc	Parameter	Results	Units	Method	Limit	Date	Date	Analyst
Acetone BDL ug/l 5030/8260 10 03/13 03/13 BL Acrolein BDL ug/l 5030/8260 50 03/13 03/13 BL Acrolein 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 Bromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromodichloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromoform BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromoform BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromomethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Bromomethane 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 Sec-Butylbenzene BDL ug/l 5030/8260 1.0 03/13 03/13 BL Carbon Disulfide BDL ug/l 5030/8260 1.0 03/13 03/13 BL Carbon Disulfide BDL ug/l 5030/8260 1.0 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 Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorothune BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorotholune BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorotholune BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromochlane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromoc	Volatile Organic Compounds							
Normal	Acetone	BDL	ug/l	5030/8260	10	03/13	03/13	BL
Name	Acrolein	BDL	ug/l	5030/8260	50	03/13	03/13	BL
Bromobenzene BDL ug/l 5030/8260 1.0 03/13 03/13 BL	Acrylonitrile	BDL		5030/8260	1.0	03/13	03/13	BL
Bromochloromethane	enzene	BDL		5030/8260	1.0	03/13	03/13	BL
Bromodichloromethane BDL ug/l 5030/8260 0.60 03/13 03/13 BL	Bromobenzene	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	Bromochloromethane	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 tert-Butylbenzene BDL ug/l 5030/8260 1.0 03/13 03/13 BL Carbon Disulfide BDL ug/l 5030/8260 1.0 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 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 Chloroform BDL ug/l 5030/8260 1.0 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 Chloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorotoluene 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 1,2-Dibromo-3-Chloropropane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromochloromethane BDL ug/l 5030/8260 1.0 03/13 03/13 BL Dibromomethane BDL ug/l 5030/8260 1.0 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	Bromodichloromethane	BDL		5030/8260	0.60	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 1.0 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 Chloroethylvinyl Ether 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 Chlorotoluene BDL ug/l 5030/8260 1.0 03/13	Bromoform	BDL	ug/l	5030/8260	1.0	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 1.0 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 Chloroethylvinyl Ether 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 Chlorotoluene BDL ug/l 5030/8260 1.0 03/13	Bromomethane	BDL	ug/l	5030/8260	2.0	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 1.0 03/13 03/13 BL Chloroform BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorotoluene 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	n-Butylbenzene	BDL		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 1.0 03/13 03/13 BL Chloroform BDL ug/l 5030/8260 1.0 03/13 03/13 BL Chlorotoluene 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	sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	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 1.0 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 Dibromomethane BDL ug/l 5030/8260 1.0 03/13	tert-Butylbenzene	BDL		5030/8260	1.0	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 1.0 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 Dibromomethane BDL ug/l 5030/8260 1.0 03/13	Carbon Disulfide	BDL	ug/l	5030/8260	10	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 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	Carbon Tetrachloride	BDL		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 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	Chlorobenzene	BDL	ug/l	5030/8260	1.0	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 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	Chloroethane	BDL		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	2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	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 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	Chloroform	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	Chloromethane	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	2-Chlorotoluene	BDL	ug/1	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	4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	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	1,2-Dibromo-3-Chloropropane	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	Dibromochloromethane	BDL	ug/l	5030/8260	0.40	03/13	03/13	BL
1,2-Dichlorobenzene BDL ug/l 5030/8260 1.0 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
1,3-Dichlorobenzene 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	\mathtt{BL}
	1,3-Dichlorobenzene	BDL	_	5030/8260	1.0	03/13	03/13	BL
1,4-Dichlorobenzene BDL ug/l 5030/8260 1.0 03/13 03/13 BL	1,4-Dichlorobenzene	BDL	ug/1	5030/8260	1.0	03/13	03/13	BL
ichlorodifluoromethane . 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 Tetra Tech NUS Address:

Sample Description:

American Beryllium

Sarasota

5421 Beaumont Center Blvd.

Suite 660 Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-MW-9D

Date Sampled: 03/07/2003

Page: Page 2 of 3

Date: 03/13/2003

Log #: L73952-14

Time Sampled: 11:40

Date Received: 03/07/2003

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analys
Volatile Organic Compounds	(continued)	er de la viere de					
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	5,030/8260	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/1	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	
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	
1,3,5-Trimethylbenzene	BDL .	ug/l	5030/8260	1.0	03/13	03/13	
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/13	03/13	
inyl Chloride	BDL	ug/l	5030/8260		03/13	03/13	
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5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634

Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-9D

Date Sampled: 03/07/2003

Page: Page 3 of 3

Date: 03/13/2003

Log #: L73952-14

Time Sampled: 11:40

Date Received: 03/07/2003

Collected By: Client

Reportable Extr. Anly. Results Units Method Parameter Limit Date Date Analyst Volatile Organic Compounds (continued) Dilution Factor 1.0 5030/8260 03/13 03/13 \mathtt{BL} Surrogate Recoveries: Dibromofluoromethane 110 5030/8260 68-145 03/13 03/13 BL Toluene-D8 뫔 5030/8260 BL 86.0 62-133 03/13 : 03/13 4-Bromofluorobenzene 94.0 왕 5030/8260 56-135 03/13 03/13

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

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SUB DOH# 86122,86109,E86048

ADEM ID# 40850

IL CERT# 200020

SC CERT# 96031001

TN CERT# 02985

VA CERT# 00395

USACE

GA CERT# 917

USDA Soil Permit# S-35240

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-DUP-1

Date Sampled: 03/06/2003

Page: Page 1 of 3 Date: 03/13/2003

Log #: L73952-15.

Time Sampled: 00:00

Date Received: 03/07/2003 Collected By: Client

				the second		49.5	
		4 4 4		Reportable		Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
					4		
Volatile Organic Compounds							
Acetone	BDL	ug/1	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/1	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/1	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
pichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-DUP-1

Date Sampled: 03/06/2003

Page: Page 2 of 3

Date: 03/13/2003

Log #: L73952-15

Time Sampled: 00:00

Date Received: 03/07/2003

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
Volatile Organic Compounds	(continued)				vila et e		en jar
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/1 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 ug/l	5030/8260	1.0	03/13	03/13	BL
trans-1,3-Dichloropropene	BDL	ug/l ug/l	5030/8260	0.20	03/13	03/13	BL
cis-1,3-Dichloropropene	BDL		5030/8260	0.20	03/13	03/13	BL
Ethylbenzene	BDL	ug/l ug/l	5030/8260	1.0	03/13	03/13	BL
"exachlorobutadiene	BDL	ug/l ug/l	5030/8260	1.0	03/13	03/13	BL
-Hexanone	BDL	ug/1 ug/1	5030/8260	10	03/13	03/13	BL
Isopropyl Benzene	BDL	ug/l ug/l	5030/8260	1.0	03/13	03/13	BL
4-Isopropyl Toluene	BDL	ug/l ug/l	5030/8260	1.0	03/13	03/13	BL
MEK(2-Butanone)	BDL	ug/l ug/l	5030/8260		03/13	03/13	BL
Methylene Chloride	BDL	ug/l ug/l	5030/8260	5.0	03/13	03/13	BL
MIBK(4-Methyl-2-Pentanone)	BDL	ug/l ug/l	5030/8260	10	03/13	03/13	BL
MTBE	BDL	ug/l ug/l	5030/8260	1.0	03/13	03/13	BL
Naphthalene	BDL	ug/l ug/l	5030/8260	1.0	03/13	03/13	BL
n-Propylbenzene	BDL	ug/1 ug/1	5030/8260	1.0	03/13	03/13	BL
Styrene	I see also the second s		•		03/13	03/13	
1,1,1,2-Tetrachloroethane	BDL BDL	ug/l	5030/8260	1.0			BL BL
1,1,2,2-Tetrachloroethane		ug/1	5030/8260 5030/8260	1.0	03/13 03/13	03/13	
Tetrachloroethene	BDL	ug/l		0.20		03/13	BL
Toluene	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL
	BDL	ug/1	5030/8260	1.0	03/13	03/13	BL
Total Xylenes 1,2,3-Trichlorobenzene	BDL	ug/1	5030/8260	2.0	03/13	03/13	BL
	BDL	ug/1	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	
Trichloroethene	BDL	ug/l	5030/8260	1.0	03/13	03/13	
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	
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	03/13	03/13	
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

Sample Description:

American Beryllium

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-DUP-1

Date Sampled: 03/06/2003

Page: Page 3 of 3

Date: 03/13/2003

Log #: L73952-15

Time Sampled: 00:00

Date Received: 03/07/2003

Sarasota

Collected By: Client

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
Volatile Organic Compounds	s (continued)						
Dilution Factor	1.0		5030/8260		03/13	03/13	BL
Surrogate Recoveries:		All Sales					
Dibromofluoromethane	103	8	5030/8260	68-145	03/13	03/13	$_{\rm BL}$
Toluene-D8	75.0	8	5030/8260	62-133	03/13	03/13	BL
4-Bromofluorobenzene	84.0	8	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

SACE GA CERT# 917

VA CERT# 00395 USDA Soil Permit# S-35240

9/1/12

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-DUP-2

Date Sampled: 03/07/2003 Time Sampled: 00:00

Page: Page 1 of 3 Date: 03/13/2003

Log #: L73952-16

Date Received: 03/07/2003

		en en en en en en en en en en en en en e		Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
					. 50	14.	
Volatile Organic Compounds						: " : <u>"</u>	
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/1	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	
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/13	03/13	BL

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-DUP-2
Date Sampled: 03/07/2003 Sample Description:

Page: Page 2 of 3 Date: 03/13/2003

Log #: L73952-16

Time Sampled: 00:00 American Beryllium Sarasota

Date Received: 03/07/2003 Collected By: Client

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	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/1	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/1	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/1	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/1	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	
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

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-DUP-2

Date Sampled: 03/07/2003

Page: Page 3 of 3

Date: 03/13/2003

Log #: L73952-16

Time Sampled: 00:00

Date Received: 03/07/2003

Collected By: Client

Sample Description:

American Beryllium

Sarasota

Reportable Extr. Anly. Parameter Results Units Method Limit Date Date Analyst Volatile Organic Compounds (continued) Dilution Factor 5030/8260 03/13 03/13 1.0 Surrogate Recoveries: Dibromofluoromethane 5030/8260 68-145 03/13 03/13 BL 117 Toluene-D8 욯 5030/8260 62-133 03/13 03/13 BL 91.0 4-Bromofluorobenzene 5030/8260 95.0 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 DC SUB DOH# 86122,86109,E86048 AD

DOH# E86240 ADEM ID# 40850 NC CERT# 444

IL CERT# 200020

SC CERT# 96031001

TN CERT# 02985

GA CERT# 917

VA CERT# 00395

USACE

USDA Soil Permit# S-35240

Respectivity stom

Steve Walton

Company Name Tetra Tech NUS FOR Address St21 Beaumont (enter Blud Suite 660 City Tampa State Ft. zip 33634 Aftir. Scott McGuire Fast 813-806-0405 E Antir. Scott McGuire Fast 813-806-0405 Froject Froject Froject Name-Signature (Lett R. M.c. 9-Phones 817-806-0202 Name-Signature (Lett R. M.c. 9-Phones 817-806-0202 A 190, 1 Notes TT-MW-85 377-MW-75 377-MW-75 377-MW-155 376 1305 TT-MW-155 376 1305 TT-MW-155 376 1305 TT-MW-155 376 1305 TT-MW-155 376 1305 TT-MW-175 377-MW-135	USBiosystem	⁄IS	Log #	7	395	2///	7 17	ررا	Y Jote	KE :	<u> </u>	KL	,			l at	*	Samples INTACT upon arrival? Received ON WET KE? Temp. PROPER PRESERVATIVES indicated? Received WITHIN HOLDING TIME?
Actif R Miss				· · · -			,										o	CUSTODY SEALS INTACT? VOLATILES rec'd W/OUT HEADSPACE?
CIV Tampa State FL 219 33634 Altin Scott McGurre Fam 813-806-0405 Project Sarasofa Sampler Name-Signature Latt R. Mc 9 — Phonew 813-806-0202 Sampler Name-Signature Latt R. Mc 9 — Phonew 813-806-0202 Motors Colle: TT-MW-85 3/6 (015 GW 3) 40 M 3 TT-MW-80 3/6 1045 TT-MW-75 3/6 1115 TT-MW-155 3/6 1225 TT-MW-155 3/6 1225 TT-MW-153 3/7 0845 TT-MW-130 3/7 08					(ala O													Matrix Codes*
Attn Scott McGuire Fase 813-804-0405 Project American Beryllium Project American Be						W	J	;									1 2 12	SD Solid Waste OL OII GW Ground Water SL Sludge FFF Effluent SD Soil Sediment
Project Sampler Samp						E	-							-		·		AFW Analyte Free H ₂ O AQ Aqueous WW Waste Water NA Nonagueous
Sampler (att R. Mc & Phones & 33-806-0202 & R. Misso, I. Maisso, I. Maisso, I. Maisso, I. Maisso, I. Machiner & Machiner	Project A DocuM		Sa	rasole	7											•		(Please Specify)
Name/Signature & Cold R. M. 3 Phones & B13-806-0122 & C. H.S.O. NaOH I. MICAA E. H.C.L. O. Other REMARKS 1 TT-MW-85																	100000	A. None G. Na ₂ S ₂ O ₃
REMARKS 1 TT-MW-85 3/6 10/5 6W 3 40 M 3	Name/Signature Cutt K. MC			13-80	6-0202	8						1.						C. H ₂ SO ₄ I. ICE
REMARKS TT-MW-85 3/6 10/5 6W 3 40 M 3	•					97	·.								-			
2 TT-MW-BD 3/6 1045 3 TT-MW-75 7/6 1115 4 TT-MW-70 7/8 1145 5 TT-MW-155 7/6 1225 6 TT-MW-150 3/6 1225 8 TT-MW-14D 3/6 1720 9 TT-MW-13S 3/7 0945 9 TT-MW-13D 3/7 0915 V SPM- 1 2 3 Other N CP 1 3/1/15 17cv 1 3/1/15 17cv 1 3/1/15 17cv 1 3/1/15 17cv 1 3/1/15 17cv 1 561-447-6136 Fax 1 561-447-6136 Fax								Š	<u> </u>									REMARKS
3 TT-MW-75 3/6 1115 4 TT-MW-70 3/6 1145 5 TT-MW-155 3/6 1225 6 TT-MW-150 3/6 1305 7 TT-MW-14D 3/6 1720 9 TT-MW-13D 3/7 0945 0 TT-MW-13D 3/7 0945 None 1 2 3 Other N N N N N N N N N N N N N N N N N N N			GW.	3) V	to ml	3				ļ			_					
3 TT-MW-75 3/6 1115 4 TT-MW-70 3/6 1145 5 TT-MW-155 3/6 1225 6 TT-MW-15 D 3/6 1305 7 TT-MW-14 J/6 1720 9 TT-MW-135 3/7 0845 0 TT-MW-13D 3/7 0915 V SPM None 1 2 3 Other N CP SCHR R. Mcfn. 3/103 1400 M J/7/6 1700 888-862-LABS 561-447-7373 888-8456-4846 Fax 561-447-6136 Fax		1045	1	$Y \bot$						ļ								nequires C Hnys. com
-6 TT- MW-15 D 3/6 1305 -7 TT- MW-145 3/6 1435 -8 TT- MW-14D 3/6 1720 -9 TT- MW-13S 3/7 0845 -0 TT- MW-13D 3/7 0915 V SFAM None 1 2 3 Other N N N N N N N N N N N N N N N N N N N		1115																C: Creuf 15 @ MSD COM
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		0845					3. 3.											
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Scatt R. Mash. 3/7/03 1400 1/2 3/7/05 1700 3/3/105 1700 3/7/05 1700 3/3/105 1700 3/8/03/45 561-447-6136 Fax	10.17					;			i i									
- Scatt R. Mashin 3/7/03 1400 Cy Zm 3/7/05 1400 Boca Raton, FL 33431 888-862-LABS 561-447-7373 888-456-4846 Fax 561-447-6136 Fax	(S)N 3/14/03 Date required	(N	/	Nor	ne1	2_	***	3_		Oth	ег		(\frac{1}{2})	N	<u>CV</u>			
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CHOSUS 3/8/03/93 561-447-6136 Fax		777	4	<u> </u>	3/7/1	3 170	ν <u>-</u>		V	E		· · ·			<u> 3 </u>	115	1700	
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USBIOSYS. Company Name Telra Tel			Log	# _ PO#	73	95	7			Quo	:e:					· · · · · · · · · · · · · · · · · · ·		o	Receive PROPI Receive CUSTO VOLA	les INTACT upon arrival? red ON WET ICE? Temp_ ER PRESERVATIVES Indicated FOR WITHIN HOLDING TIME? DDY SEALS INTACT? ITLES rec'd W/OUT HEADSP/ ER CONTAINERS used?	
Address 5421 Beaumo			RIVA	1								•:						i		Matrix Co	des*
City Tampa		State			33634	Z													SD GW EFF AFW	Solid Waste OL Ground Water SL Effluent SO Analyte Free H ₂ O AQ	Adueous
Attn: SwIT Mc Guire	k		Fax# &	313-	-906-0	2405		E											DW SU	Analyte Free H ₂ O AQ Waste Water NA Drinking Water PE Surface Water O	Petroleum Other
Project American Ber	yllium	1	Proi#	Sari	asota													1.3		Pres/Cod	
Sampler Name/Signature Could Re	Mcg	1	Phone#		-806-	0202		90											E (I. HNO ₃ I. H ₂ SO ₄ D. NaOH	G. Na ₂ S ₂ O ₃ H. NaHSO ₄ I. ICE J. MCAA O. Other
			Code*					326			· .									MeOH REMAR	
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_2 TT-MW-16D	3/7	1020	1	\mathbb{T}	1101	<u>'''</u>		1				 	<u> </u>				4.1		Pica	se email resu guires ^O Hnys.	(TS 70
_3 TT-MW-95	3/7	1115		M				1												crewf15 8 ms	
_4 TT-MW-9P	3/7	1140	1-1-	+				#			1-	+		-	 					CIEWPIO IIIS	STICOM
_5 TT- DUP-1	3/6	0000		+1			-	 			1	1									· :
_6 TT- Dup. 2	3/7	0000	1	11				1,			-	1							-		
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8																	<u></u>		7.5		
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	Sa	ett R.	Mod	fu-	_	3/7/02	3 14	00 00		1/1	7/	ny				3/7/	127	1400	i	3231 N.W. 71 Boca Raton, 888-862-LAB	FL 3343
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5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Page: Page 1 of 3
Date: 03/17/2003
Log #: L73981-1

100 #: 11/3301-1

Analytical Report: TT-MW-10
Date Sampled: 03/10/2003
Time Sampled: 09:40

Date Received: 03/10/2003

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	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		03/14	03/14	BL
Bromobenzene	BDL	ug/l	5030/8260		03/14	03/14	BL
Bromochloromethane	BDL	ug/l	5030/8260		03/14	03/14	
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		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	
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	and the second second
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,4-Dichlorobenzene	BDL	ug/l	5030/8260		03/14	03/14	
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium Sarasota

Page: Page 2 of 3
Date: 03/17/2003
Log #: L73981-1

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.	Anly.	Analyst
rai ame cei	Results	Units	Mechod	HIMITC	Date	Date	Midiyac
Volatile Organic Compounds	(continued)					14.	
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	
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	
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	A company of the comp	03/14	03/14	BL
Trichloroethene	820 L	ug/l	5030/8260	1.0	03/14	03/14	
1,1,2-Trichloroethane	BDL	ug/l	5030/8260		03/14	03/14	
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	03/14	03/14	•
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260		03/14	03/14	
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260		03/14	03/14	
Vinyl Acetate	BDL	ug/l	5030/8260		03/14	03/14	
'inyl Chloride	1.1	ug/l	5030/8260	1.0	03/14	03/14	

Client #: TAM-94-120329 Tetra Tech NUS Address:

Sample Description:

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-MW-10

Date Sampled: 03/10/2003

Page: Page 3 of 3

Date: 03/17/2003

Log #: L73981-1

Time Sampled: 09:40

Date Received: 03/10/2003

Collected By: Client

American Beryllium Sarasota

	1. 1			Reportable Extr.	Anly.	
Parameter	Results	Units	Method	Limit Date	Date	Analyst
		*				
Volatile Organic Compounds (continued)					
Dilution Factor	1.0		5030/8260	03/14	03/14	BL
Surrogate Recoveries:						
Dibromofluoromethane	140	왕	5030/8260	68-145 03/14	03/14	BL
Toluene-D8	120	8	5030/8260	62-133 03/14	03/14	BL
4-Bromofluorobenzene	118	と	5030/8260	56-135 03/14	03/14	BL
			and the second second second			

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 submitted.

 ${\mathbb W}$ Client Technical Svcs. Manager

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-11

Date Sampled: 03/10/2003

Page: Page 1 of 3

Date: 03/17/2003 Log #: L73981-2

Time Sampled: 10:20

Date Received: 03/10/2003 Collected By: Client

Volatile Organic Compounds SDL Ug/l S030/8260 10 03/14 03/14 BL Acrolein BDL Ug/l S030/8260 10 03/14 03/14 BL Acrolein BDL Ug/l S030/8260 10 03/14 03/14 BL Acrolein BDL Ug/l S030/8260 1.0 03/14 03/14 BL Enzene BDL Ug/l S030/8260 1.0 03/14 03/14 BL Bromobenzene BDL Ug/l S030/8260 1.0 03/14 03/14 BL Bromochloromethane BDL Ug/l S030/8260					Reportable	Extr.	Anly.	
Acetone	Parameter	Results	Units	Method	Limit	Date	Date	Analyst
Acetone	2000			e in the second				
Acrolein			3 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			*		
Acrylonitrile			-	The second secon		-		
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 Bromoform BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Carbon Disulfide 10 ug/l 5030/8260 1.0 03/14 03/14 BL		the second secon	_	10				
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 Bromochloromethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromodichloromethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane 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-Dibromoethane 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	Acrylonitrile			· .		' - '	=	~
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 1.0 03/14 03/14 BL Bromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Bromomethane 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		The state of the s		The state of the s	•	•		
Bromodichloromethane BDL ug/l 5030/8260 0.60 03/14 03/14 BL	Bromobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromoform	Bromochloromethane	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 1.0 03/14 03/14 BL Carbon Tetrachloride BDL ug/l 5030/8260 1.0 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 Chloroethylvinyl Ether BDL ug/l 5030/8260 1.0 03/14 03/14 BL Chloroform 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 Chlorotoluene BDL ug/l 5030/8260 1.0 03/14 03/14 BL Chloromoethane BDL ug/l 50	Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/14	03/14	\mathtt{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 1.0 03/14 03/14 BL Chloroform BDL ug/l 5030/8260 1.0 03/14 03/14 BL Chlorotoluene BDL ug/l 5030/8260 1.0 03/14	Bromoform	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 1.0 03/14 03/14 BL Chloroform BDL ug/l 5030/8260 1.0 03/14 03/14 BL Chlorotoluene BDL ug/l 5030/8260 1.0 03/14 03/14 BL 4-Chlorotoluene BDL ug/l 5030/8260 1.0 03/14	Bromomethane	BDL	ug/l	5030/8260	2.0	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 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 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	n-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 1.0 03/14 03/14 BL Chloroform BDL ug/l 5030/8260 1.0 03/14 03/14 BL Chlorotoluene 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	sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	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 1.0 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 Dibromomethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL 1,2-Dibromoethane BDL ug/l	tert-Butylbenzene	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 1.0 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 Dibromoethane 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 50	Carbon Disulfide	10	ug/l	5030/8260	10	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 1.0 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 Dibromoethane 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 50	Carbon Tetrachloride	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 1.0 03/14 03/14 BL Dibromomethane 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 1,3-Dichlorobenzene BDL ug/l 5030/8260 1.0 03/14 03/14 BL	Chlorobenzene	BDL	A contract of the contract of	5030/8260	1.0	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 1.0 03/14 03/14 BL Dibromomethane 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 1,3-Dichlorobenzene 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
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 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 1,3-Dichlorobenzene 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
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 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 1,3-Dichlorobenzene BDL ug/l 5030/8260 1.0 03/14 03/14 BL	Chloroform	BDL		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	Chloromethane	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	2-Chlorotoluene	BDL	uq/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	4-Chlorotoluene	BDL		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	1,2-Dibromo-3-Chloropropane	BDL			1.0		-	
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	Dibromochloromethane	BDL		·	0.40			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	Dibromomethane	BDL			• .		-	
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	1,2-Dibromoethane	BDL	_	· ·			-	
1,3-Dichlorobenzene BDL ug/l 5030/8260 1.0 03/14 03/14 BL	1,2-Dichlorobenzene	BDL	-		1.0			
3 ,								
	1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	
Tichlorodifluoromethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL	· · · · · · · · · · · · · · · · · · ·	45				•	•	•

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-11

Date Sampled: 03/10/2003

Page: Page 2 of 3

Date: 03/17/2003 Log #: L73981-2

Time Sampled: 10:20

Date Received: 03/10/2003
Collected By: Client

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
Volatile Organic Compounds	(continued)						to the second se
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		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	•	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/1	5030/8260		03/14	03/14	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260	*	03/14	03/14	BL
-Hexanone	BDL	ug/1	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/1	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
TABLE 1	and the second s			and the second s			

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-11

Date Sampled: 03/10/2003

Page: Page 3 of 3

Date: 03/17/2003

Log #: L73981-2

Time Sampled: 10:20

Date Received: 03/10/2003

Collected By: Client

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
Volatile Organic Compounds	(continued)						
Dilution Factor	1.0		5030/8260		03/14	03/14	BL
Surrogate Recoveries:							
Dibromofluoromethane	131	8	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	115	%	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	112	8	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

\P# 980126 DOH# E86240 I

DOH# E86240 NC CERT# 444
ADEM ID# 40850 IL CERT# 200020

FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

SC CERT# 96031001 TN CERT# 02985 USACE GA CERT# 917

SUB DOH# 86122,86109,E86048

VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Page: Page 1 of 3
Date: 03/17/2003
Log #: L73981-3

Analytical Report: TT-MW-3
Date Sampled: 03/10/2003
Time Sampled: 10:50
Date Received: 03/10/2003
Collected By: Client

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Parameter	Results	Units	Method	Limit	Date	Date	Analyst
							V 12 1
Volatile Organic Compounds	DDT	/3	5030/8260	10	03/14	03/14	BL
Acetone	BDL	ug/l	5030/8260	50	03/14	03/14	BL
Acrolein	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Acrylonitrile	BDL	ug/l	· ·	1.0	03/14		BL EL
enzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Bromobenzene	BDL	ug/l	5030/8260	1.0		· ·	BL
Bromochloromethane	BDL	ug/l	5030/8260		03/14	03/14	BL
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	03/14	•	
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	•	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/1	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/1	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
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5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-3

Date Sampled: 03/10/2003

Page: Page 2 of 3
Date: 03/17/2003
Log #: L73981-3

Time Sampled: 10:50

Date Received: 03/10/2003

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
							ing state of the s
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/1	5030/8260	1.0	03/14	03/14	
Vinyl Acetate	BDL	ug/l	5030/8260	10	03/14	03/14	BL
'inyl Chloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
		-5/-			00/14	03/14	

Client #: TAM-94-120329

American Beryllium

Sarasota

Address: Tetra Tech NUS

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-MW-3 Sample Description:

Date Sampled: 03/10/2003

Time Sampled: 10:50

Date Received: 03/10/2003

Page: Page 3 of 3

Date: 03/17/2003

Log #: L73981-3

Collected By: Client

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
Volatile Organic Compounds	(continued)						
Dilution Factor	1.0		5030/8260		03/14	03/14	BL
Surrogate Recoveries:							
Dibromofluoromethane	136	8	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	107	8	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	95.0	ક	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.

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Page: Page 1 of 3 Date: 03/17/2003

Log #: L73981-4

Analytical Report: TT-MW-6
Date Sampled: 03/10/2003 Time Sampled: 11:55 Date Received: 03/10/2003 Collected By: Client

				Reportable		Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
2000_0000000000000000000000000000000000							
Volatile Organic Compounds		47					-
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/1	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	-	\mathtt{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	5,030/8260	10	03/14	03/14	BL
Chloroform	BDL	ug/1	5030/8260	1.0	03/14	03/14	BL
Chloromethane	BDL	ug/1	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/1	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
richlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description: Analytical Report: TT-MW-6

Date Sampled: 03/10/2003
American Beryllium
Time Sampled: 11:55

Page: Page 2 of 3
Date: 03/17/2003

Log #: L73981-4

Sarasota Date Received: 03/10/2003

Collected By: Client

Reportable Extr. Anly. Units Limit Results Method Date Date Analyst Parameter Volatile Organic Compounds (continued) ug/l 5030/8260 1.0 03/14 03/14 BL 1,1-Dichloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL 1,2-Dichloroethane BDL 1.0 ug/l 5030/8260 03/14 03/14 1,1-Dichloroethene BDT. 5030/8260 1.0 03/14 03/14 RI. cis-1,2-Dichloroethene BDL ug/1 5030/8260 1.0 03/14 03/14 trans-1,2-Dichloroethene BDI. ug/l 1.0 03/14 $_{\mathrm{BL}}$ 1,2-Dichloropropane BDL uq/15030/8260 03/14 1,3-Dichloropropane BDL ug/1: 5030/8260 1.0 03/14 03/14 BL 2,2-Dichloropropane BDL 5030/8260 1.0 03/14 03/14 BL uq/15030/8260 1.0 03/14 03/14 BL1,1-Dichloropropene BDL ug/l 0.20 BLtrans-1,3-Dichloropropene BDL 5030/8260 03/14 03/14 uq/l5030/8260 0.20 03/14 03/14 BL cis-1,3-Dichloropropene BDT. ug/l03/14 Ethylbenzene BDL uq/l5030/8260 1.0 03/14 BL 03/14 Hexachlorobutadiene BDT. ug/15030/8260 1.0 03/14 BL -Hexanone BDL 5030/8260 10 03/14 03/14 BL ug/l 1:0 Isopropyl Benzene BDL uq/15030/8260 03/14 03/14 BL 4-Isopropyl Toluene 5030/8260 1.0 03/14 03/14 BL BDL ug/1MEK (2-Butanone) 5030/8260 10 03/14 03/14 BI. BDL ug/1Methylene Chloride 5030/8260 5.0 03/14 03/14 BDL ug/l MIBK(4-Methyl-2-Pentanone) BDL ug/l 5030/8260 10 03/14 03/14 BL MTBE 5030/8260 1.0 03/14 03/14 BDL uq/l 1.0 BLNaphthalene BDL uq/l5030/8260 03/14 03/14 n-Propylbenzene BDL uq/l5030/8260 1.0 03/14 03/14 Styrene BDL ug/15030/8260 1.0 03/14 03/14 BL 1,1,1,2-Tetrachloroethane BDL ug/15030/8260 1.0 03/14 03/14 ВL 1,1,2,2-Tetrachloroethane 0.20 BDL ug/l5030/8260 03/14 03/14 BL Tetrachloroethene BDL 5030/8260 1.0 03/14 03/14 ug/lRT. Toluene BDL ug/l 5030/8260 1.0 03/14 03/14 BL Total Xylenes BDL 2.0 5030/8260 03/14 03/14 BT. ug/l 1,2,3-Trichlorobenzene BDL uq/15030/8260 1.0 03/14 03/14 BL 1,2,4-Trichlorobenzene BDL ug/l 5030/8260 1.0 03/14 03/14 $_{\mathrm{BL}}$ 1,1,1-Trichloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 Trichloroethene BDT. 5030/8260 1.0 ug/l 03/14 03/14 RI. 1,1,2-Trichloroethane BDL 5030/8260 1.0 03/14 ug/l 03/14 BL 1,2,3-Trichloropropane BDL 0.20 ug/l5030/8260 03/14 03/14 BL Trichlorofluoromethane BDL ug/l5030/8260 1.0 03/14 03/14 BL 1,2,4-Trimethylbenzene BDL 5030/8260 BL ug/11.0 03/14 03/14 1,3,5-Trimethylbenzene BDL ug/l 5030/8260 1.0 03/14 03/14 BL Vinyl Acetate BDL ug/l5030/8260 10 03/14 03/14 BL'inyl Chloride BDL 03/14 ug/l 5030/8260 1.0 03/14 BL

American Beryllium

Sarasota

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description: Analytical Report: TT-MW-6

Date Sampled: 03/10/2003

Page: Page 3 of 3

Date: 03/17/2003

Respectfully submitted,

Log #: L73981-4

Time Sampled: 11:55

Date Received: 03/10/2003 Collected By: Client

Reportable Extr. Anly. Method Results Units Parameter Limit Date 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 5030/8260 62-133 03/14 03/14 117 4-Bromofluorobenzene 5030/8260 113 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 Client Technical Svcs. Manager

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Page: Page 1 of 3
Date: 03/17/2003
Log #: L73981-5

Analytical Report: TT-MW-5

Date Sampled: 03/10/2003

Time Sampled: 12:25

Date Received: 03/10/2003 Collected By: Client

				Reportable	Extr.	Anly.	•
Parameter R	esults	Units	Method	Limit	Date	Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Acrolein	BDL	ug/1	5030/8260	50	03/14	03/14	BL
Acrylonitrile	BDL	ug/l	5030/8260	1.0	03/14	03/14	ВL
enzene	BDL	ug/l	5030/8260	1.0	03/14		BL
sromobenzene	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

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Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Page: Page 2 of 3 Date: 03/17/2003 Log #: L73981-5

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 Limit Date Analyst Volatile (Organic Compounds) (continued) 1,1-Dichloroethane BDL ug/1 5030/8260 1.0 03/14 03/14 BL 1,2-Dichloroethane BDL ug/1 5030/8260 1.0 03/14 03/14 BL cis-1,2-Dichloroethene BDL ug/1 5030/8260 1.0 03/14 03/14 BL trans-1,2-Dichloroethene BDL ug/1 5030/8260 1.0 03/14 03/14 BL 1,2-Dichloropropane BDL ug/1 5030/8260 1.0 03/14 03/14 BL 1,2-Dichloropropane BDL ug/1 5030/8260 1.0 03/14 03/14 BL 1,2-Dichloropropane BDL ug/1 5030/8260 1.0 03/14 03/14 BL 1,1-Dichloropropane BDL ug/1 5030/8260 1.0 03/14 03/14 BL 1,1-Dichloropropane					Reportable	Extr.	Anly.	
1,1-Dichloroethane	Parameter	Results	Units	Method	. —		Date	Analyst
1,1-Dichloroethane								
1,2-Dichloroethane			. 1 1 4					
1,1-Dichloroethene	1,1-Dichloroethane		. –		A Company of the Comp			•
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 1,1-Dichloropropane 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 Ethylbenzene 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 Ethylbenzene BDL ug/l 5030/8260 1.0 03/14 03/14 BL Ethylbenzene BDL ug/l 5030/8260 1.0	1,2-Dichloroethane	BDL	-		1.0	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 1,1-Dichloropropene BDL ug/l 5030/8260 1.0 03/14 03/14 BL cis-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 Hexachoropopyl BDL ug/l 5030/8260 1.0 03/14 03/14 BL Hexachlorobutadiene BDL ug/l 5030/8260	1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloropropane	cis-1,2-Dichloroethene	BDL	ug/l	•	1.0		03/14	BL
1,3-Dichloropropane	trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
SDL	1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	\mathtt{BL}
1,1-Dichloropropene	1,3-Dichloropropane	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 1.0 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 1.0 03/14 03/14 BL MEK(2-Butanone) BDL ug/l 5030/8260 1.0 03/14 03/14 BL MEK(4-Methyl-2-Pentanone) BDL ug/l 5030/8260 1.0	2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	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 1.0 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 1.0 03/14 03/14 BL MEK(2-Butanone) BDL ug/l 5030/8260 1.0 03/14 03/14 BL MEK(2-Butanone) BDL ug/l 5030/8260 1.0 03/14 03/14 BL MEK(4-Methyl-2-Pentanone) BDL ug/l 5030/8260 1.0 <t< td=""><td>1,1-Dichloropropene</td><td>BDL</td><td>ug/l</td><td>5030/8260</td><td>1.0</td><td>03/14</td><td>03/14</td><td>BL</td></t<>	1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	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 SDL ug/l 5030/8260 1.0 03/14 03/14 BL SDL ug/l 5030/8260 1.0 03/14 03/14 BL SOPPOPYL BENZENE BDL ug/l 5030/8260 1.0 03/14 03/14 BL SURFINE BDL ug/l 5030/8260 1.0 03/14 03/14 BL SDL ug/l 5030/8260 1.0 03/14 03/14 BL MEK(2-Butanone) BDL ug/l 5030/8260 1.0 03/14 03/14 BL MEK(2-Butanone) BDL ug/l 5030/8260 1.0 03/14 03/14 BL MEK(4-Methyl-2-Pentanone) BDL ug/l 5030/8260 5.0 03/14 03/14 BL MTBK (4-Methyl-2-Pentanone) BDL ug/l 5030/8260 1.0 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 Naphthalene 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 Styrene BDL ug/l 5030/8260 1.0 03/14 03/14 BL Sty	trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Hexachlorobutadiene BDL ug/1 5030/8260 1.0 03/14 03/14 BL -Hexanone BDL ug/1 5030/8260 1.0 03/14 03/14 BL	cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	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 1.0 03/14 03/14 BL MEK(2-Butanone) BDL ug/l 5030/8260 10 03/14 03/14 BL MIBK(4-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 MIBK(4-Methyl-2-Pentanone) BDL ug/l 5030/8260 10 03/14 03/14 BL Naphthalene 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 Naphthalene BDL ug/l 5030/8260 1.0 03/14 03/14 BL N-Propylbenzene BDL ug/l 5030/82	Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
Isopropyl Benzene	Hexachlorobutadiene	BDL	ug/1	5030/8260	1.0	03/14	03/14	BL
## A-Isopropyl Toluene	-Hexanone	BDL	ug/l	5030/8260	10	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 1,1,2-Tetrachloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Tetrachloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Total Xylenes BDL ug/l 5030/8260 1.0 03/14 <	Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	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 1,1,2-Tetrachloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL 1,1,2,2-Tetrachloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Tetrachloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Total Xylenes BDL ug/l 5030/8260 1.0 03/14 <td>4-Isopropyl Toluene</td> <td>BDL</td> <td>ug/l</td> <td>5030/8260</td> <td>1.0</td> <td>03/14</td> <td>03/14</td> <td>BL</td>	4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	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 1,1,2-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 Tetrachloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Total Xylenes BDL ug/l 5030/8260 1.0 03/14 03/14 BL 1,2,3-Trichlorobenzene BDL ug/l 5030/8260 1.0 03/1	MEK(2-Butanone)	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 1,1,2-Tetrachloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL 1,1,2,2-Tetrachloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Tetrachloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Total Xylenes BDL ug/l 5030/8260 1.0 03/14 03/14 BL 1,2,3-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	Methylene Chloride	BDL	ug/l	5030/8260	5.0	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 1,1,2-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 1.0 03/14 03/14 BL 1,2,3-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<	MIBK(4-Methyl-2-Pentanone)	BDL	ug/l	5030/8260	10	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 Total Xylenes BDL ug/l 5030/8260 1.0 03/14 03/14 BL Total Xylenes BDL ug/l 5030/8260 1.0 03/14 03/14 BL 1,2,3-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 Trichloroethane BDL ug/l 5030/8260 1.0	MTBE	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 1,2,2-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 1.0 03/14 03/14 BL 1,2,3-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 Trichloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL 1,2,3-Trichloropropane BDL ug/l 5030/8260 1.0	Naphthalene	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 1,1,1-Trichloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Trichloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL 1,2,3-Trichloropropane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Trichlorofluoromethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Trichlorofluoromethane BDL <td>n-Propylbenzene</td> <td>BDL</td> <td>ug/l</td> <td>5030/8260</td> <td>1.0</td> <td>03/14</td> <td>03/14</td> <td>BL</td>	n-Propylbenzene	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 1,1,1-Trichloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Trichloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL 1,2,3-Trichloropropane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Trichlorofluoromethane BDL ug/l 5030/8260 0.20 03/14 03/14 BL	Styrene	BDL	ug/l	5030/8260	1.0	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 1,1,1-Trichloroethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL Trichloroethane 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	1,1,1,2-Tetrachloroethane	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 Trichloroethane 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 Trichlorofluoromethane 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
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 Trichlorofluoromethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL	Tetrachloroethene	BDL	ug/l	5030/8260	1.0	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 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	Toluene	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 Trichloroethane 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	Total Xylenes	BDL	ug/l	5030/8260	2.0	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	1,2,3-Trichlorobenzene	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-Trichlorobenzene	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	1,1,1-Trichloroethane	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	Trichloroethene	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	1,1,2-Trichloroethane	BDL			1.0			
Trichlorofluoromethane BDL ug/l 5030/8260 1.0 03/14 03/14 BL	1,2,3-Trichloropropane	BDL	-	5030/8260	0.20	03/14		
	Trichlorofluoromethane	BDL	-	5030/8260	1.0			
1,2,4-Trimethylbenzene BDL ug/l 5030/8260 1.0 03/14 03/14 BL	1,2,4-Trimethylbenzene	and the second s	ug/l	•		03/14		
1,3,5-Trimethylbenzene BDL ug/l 5030/8260 1.0 03/14 03/14 BL		BDL	_	5030/8260	1.0			
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	The state of the s	BDL	_		1.0			

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-MW-5

Date Sampled: 03/10/2003

Page: Page 3 of 3

Date: 03/17/2003

Log #: L73981-5

Time Sampled: 12:25

Date Received: 03/10/2003

Collected By: Client

Sample Description:

American Beryllium Sarasota

Reportable Extr. Anly. Parameter Results Units Method Limit Date Date Analyst Volatile Organic Compounds (continued) 5030/8260 Dilution Factor 1.0 03/14 03/14 $_{
m BL}$ Surrogate Recoveries: 5030/8260 Dibromofluoromethane 143 68-145 03/14 03/14 BL Toluene-D8 116 음 5030/8260 62-133 BL 03/14 03/14 4-Bromofluorobenzene 97.0 5030/8260 56-135 03/14

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 DOH# E86240

NC CERT# 444 IL CERT# 200020

ADEM ID# 40850 SC CERT# 96031001

TN CERT# 02985

VA CERT# 00395

GA CERT# 917

USDA Soil Permit# S-35240

Respectfully submitted,

Eeve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-MW-4

Date Sampled: 03/10/2003

Page: Page 1 of 3

Date: 03/17/2003 Log #: L73981-6

Time Sampled: 12:55

Date Received: 03/10/2003
Collected By: Client

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
					3 · · ·		
Volatile Organic Compounds						07/74	***
Acetone	BDL	ug/l	5030/8260	10	03/14	03/14	BL
Acrolein	BDL 	ug/l	5030/8260		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	\mathtt{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	
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	
1,4-Dichlorobenzene	BDL	ug/1	5030/8260	1.0	03/14	03/14	BL
\rightarrow	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Page: Page 2 of 3 Date: 03/17/2003 Log #: L73981-6

Analytical Report: TT-MW-4 Date Sampled: 03/10/2003

Time Sampled: 12:55
Date Received: 03/10/2003 Collected By: Client

			A CARLON	Reportable	Extr.	Anly.	1
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
Volatile Organic Compounds	(continued)					e de la composición dela composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición dela composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la compos	
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dichloroethane	BDL	ug/1 ug/l	5030/8260		03/14	03/14	BL
1,1-Dichloroethene			5030/8260		•		BL
	BDL	ug/l		1.0	03/14	03/14	
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		03/14	03/14	BL
1,2-Dichloropropane	BDL	ug/l	5030/8260		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		03/14	03/14	BL
1,1-Dichloropropene	BDL	ug/l	5030/8260	the second secon	03/14	03/14	BL
trans-1,3-Dichloropropene	BDL	ug/l	5030/8260	1	03/14	03/14	\mathtt{BL}
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	03/14	03/14	BL
Ethylbenzene	BDL	ug/l	5030/8260		03/14	03/14	BL
Hexachlorobutadiene	BDL	ug/l	5030/8260		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	5.030/826.0	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	•	03/14		BL
1,1,1-Trichloroethane	BDL	ug/l	5030/8260		03/14	03/14	BL
Trichloroethene	2.1	ug/l	5030/8260	•	03/14	03/14	BL
1,1,2-Trichloroethane	BDL	ug/l	5030/8260		03/14	03/14	BL
1,2,3-Trichloropropane	BDL	ug/1	5030/8260		03/14	03/14	BL
Trichlorofluoromethane	BDL	ug/1	5030/8260		03/14	03/14	BL
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260		03/14	03/14	BL
1,3,5-Trimethylbenzene	BDL	ug/1	5030/8260		03/14		BL
Vinyl Acetate	BDL	ug/1 ug/l	5030/8260		03/14	03/14	BL
'inyl Chloride	BDL	-	5030/8260				
ingi cirorrae	חחם	ug/l	5030/8260	1.0	03/14	03/14	BL

American Beryllium

Sarasota

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire Page: Page 3 of 3
Date: 03/17/2003
Log #: L73981-6

Sample Description: Analytical Report: TT-MW-4

Date Sampled: 03/10/2003

Time Sampled: 12:55

Date Received: 03/10/2003

Collected By: Client

				Reportable Extr	. Anly.
Parameter	Results	Units	Method	Limit Date	Date Analyst
Volatile Organic Compounds	(continued)				
Dilution Factor	1.0		5030/8260	03/1	4 03/14 BL
Surrogate Recoveries:					
Dibromofluoromethane	138	8	5030/8260	68-145 03/1	4 03/14 BL
Toluene-D8	119	%	5030/8260	62-133 03/1	4 03/14 BL
4-Bromofluorobenzene	113	웅	5030/8260	56-135 03/1	4 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 l: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 SUB DOH# 86122.86109.E86048 ADEM ID# 40850 NC CERT# 444 IL CERT# 200020

SC CERT# 96031001 TN CERT# 02985 USACE GA CERT# 917

VA CERT# 00395 USDA Soil Permit# S-35240

Steve Walton

Client Technical Svcs. Manager

Respectfully submitted,

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Date: 03/17/2003 Log #: L73981-7

Page: Page 1 of 3

Analytical Report: TT-MW-12
Date Sampled: 03/10/2003
Time Sampled: 11:20
Date Received: 03/10/2003

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	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/1 ug/1	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	03/11	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	
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	03/11	03/14	The second second
Carbon Disulfide	BDL	ug/l	5030/8260	10	03/14	03/14	
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	
Chlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	
Chloroethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	
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	
Chloromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	03/14	03/14	
4-Chlorotoluene	BDL	ug/1	5030/8260	and the second second second	03/14		
1,2-Dibromo-3-Chloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	
Dibromochloromethane	BDL	ug/l	5030/8260		03/14	03/14	
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	
1,2-Dibromoethane	BDL	ug/1	5030/8260	1.0	03/14	03/14	
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	and the second second
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14		
Pichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	
98: Carrier - Tarrier - Tarrier		-3, -	5000,000	-,· ·	30/ = 1	05,11	

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description: Analytical Report: TT-MW-12

Page: Page 2 of 3

Reportable Extr. Anly.

Date: 03/17/2003 Log #: L73981-7

Date Sampled: 03/10/2003
American Beryllium
Time Sampled: 11:20

Sarasota Date Received: 03/10/2003

				Keborcanie	EACL.	murry.	
Parameter	Results	Units	Method	Limit	Date	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		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	\mathtt{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/1	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
			4.0				

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-MW-12

Date Sampled: 03/10/2003

Page: Page 3 of 3

Date: 03/17/2003

Log #: L73981-7

Time Sampled: 11:20

Date Received: 03/10/2003

Collected By: Client

Sample Description:

American Beryllium

Sarasota

			en jarok karan	Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
Volatile Organic Compounds	(continued)		See Virginia				
Dilution Factor	1.0	and the second	5030/8260		03/14	03/14	BL
Surrogate Recoveries:							
Dibromofluoromethane	127	8	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	102	8	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	90.0	*	5030/8260	56-135	03/14	03/14	BL
		and the second		100		٠.	i .

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

(Malle

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Page: Page 1 of 3
 Date: 03/17/2003
Log #: L73981-8

TOG #: 11/3301-0

Analytical Report: TT-DW-1
Date Sampled: 03/10/2003
Time Sampled: 00:00
Date Received: 03/10/2003
Collected By: Client

:					Reportable	Extr.	Anly.	
•	Parameter	Results	Units	Method	Limit	Date	Date	Analyst
	Volatile Organic Compounds		/-			00/04	00/54	D.T.
	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		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		,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	
	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/1	5030/8260	1.0	03/14	03/14	BL ·
	Carbon Disulfide	160	ug/l	5030/8260	10	03/14	03/14	\mathtt{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	
	1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	
	Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	
				•				

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Analytical Report: TT-DW-1

Date Sampled: 03/10/2003

Page: Page 2 of 3

Date: 03/17/2003 Log #: L73981-8

Time Sampled: 00:00

Date Received: 03/10/2003

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	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/1	5030/8260	1.0	03/14	03/14	BL
cis-1,2-Dichloroethene	BDL	ug/1	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/1	5030/8260	1.0	03/14	03/14	BL
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	03/14	03/14	
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	
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	
Ethylbenzene	BDL	ug/l	5030/8260	1.0	03/14	03/14	
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	03/14	03/14	
-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		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	\mathtt{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
'inyl Chloride	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-DW-1

Date Sampled: 03/10/2003

Page: Page 3 of 3

Date: 03/17/2003

Log #: L73981-8

Time Sampled: 00:00

Date Received: 03/10/2003

Collected By: Client

Sample Description:

American Beryllium Sarasota

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analys
Volatile Organic Compounds	(continued)						
Dilution Factor	1.0		5030/8260		03/14	03/14	BL
Surrogate Recoveries:					+ .*		
Dibromofluoromethane	123	8	5030/8260	68-145	03/14	03/14	BL
Toluene-D8	113	%	5030/8260	62-133	03/14	03/14	BL
4-Bromofluorobenzene	111	8	5030/8260	56-135	03/14	03/14	BL
ania di Santa di Afrika di Santa di Santa di Santa di Santa di Santa di Santa di Santa di Santa di Santa di Sa							

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 l: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

IL CERT# 200020

\P# 980126 DOH# E86240 NC CERT# 444

ADEM ID# 40850

FLDEF Flags: Y-improper preservation: B-colonies exceed range: I-result between MDL and PQL

SC CERT# 96031001 TN CERT# 02985 USACE GA CERT# 917

SUB DOH# 86122,86109,E86048

VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Page: Page 1 of 3
Date: 03/17/2003
Log #: L73981-9

Analytical Report: TT-DUP-3
Date Sampled: 03/10/2003
Time Sampled: 00:00
Date Received: 03/10/2003
Collected By: Client

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	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	\mathtt{BL}
Dibromomethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL
1,2-Dibromoethane	BDL	ug/1	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
richlorodifluoromethane	BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium

Sarasota

Page: Page 2 of 3 Date: 03/17/2003 Log #: L73981-9

Analytical Report: TT-DUP-3

Date Sampled: 03/10/2003

Time Sampled: 00:00

Date Received: 03/10/2003

				Donomeshlo	T	3-1	
Parameter	Results	Units	Method	Reportable Limit	Date	Anly.	Analys
Farameter	Keparca	UIIILS	Mechod	DIMIT C	Date	Dace	Migrys
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
		J. –			/	/	

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Analytical Report: TT-DUP-3

Date Sampled: 03/10/2003

Page: Page 3 of 3

Date: 03/17/2003 Log #: L73981-9

Time Sampled: 00:00

Date Received: 03/10/2003

62-133

56-135

5030/8260

Collected By: Client

Sample Description:

American Beryllium Sarasota

Reportable Extr. Anly. Parameter Results Units Method Limit Date Date Analyst Volatile Organic Compounds (continued) Dilution Factor 5030/8260 03/14 03/14 BL 1.0 Surrogate Recoveries: Dibromofluoromethane 140 5030/8260 68-145 03/14 03/14 BL5030/8260

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

123

120

AP# 980126 SUB DOH# 86122,86109,E86048

4-Bromofluorobenzene

DOH# E86240

NC CERT# 444 IL CERT# 200020

ADEM ID# 40850 SC CERT# 96031001

TN CERT# 02985

USACE

Toluene-D8

GA CERT# 917

VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Client Technical Svcs. Manager

03/14

03/14

BL

03/14 03/14

5421 Beaumont Center Blvd.

Suite 660

Tampa, FL 33634 Attn: Scott McGuire

Sample Description:

American Beryllium .

Sarasota

Page: Page 1 of 3 Date: 03/17/2003

Log #: L73981-10

Analytical Report: TT-DUP-4 Date Sampled: 03/10/2003 Time Sampled: 00:00 Date Received: 03/10/2003 Collected By: Client

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
Volatile Organic Com	pounds						$x = \frac{1}{2} \left(x - y \right) \cdot x^{1/2} =$
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 E	ther 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	\mathtt{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	\mathtt{BL}
1,2-Dibromo-3-Chlord	propane 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
Dichlorodifluorometh	nane BDL	ug/l	5030/8260	1.0	03/14	03/14	BL

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				Beneve his	Was to see	A 1	
	71	Units	Method	Reportable		Anly.	 'Annlerat
Parameter	Results	Units	Method	Limit	Date	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/1	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/1	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/1	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

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Sarasota

					Reportable	Extr.	Anly.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Parameter		Results	Units	Method	Limit	Date	Date	Analyst	
Volatile Organic Comp	ounds (c	ontinued)							
Dilution Factor		1.0		5030/8260		03/14	03/14	BL	
Surrogate Recoveries:							1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
Dibromofluoromethane		128	8	5030/8260	68-145	03/14	03/14	BL	
Toluene-D8		116	왕	5030/8260	62-133	03/14	03/14	BL	
4-Bromofluorobenzene	The second of the second	113	8	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

SUB DOH# 86122,86109,E86048

DOH# E86240

NC CERT# 444

SC CERT# 96031001

TN CERT# 02985

ADEM ID# 40850

IL CERT# 200020

USACE

GA CERT# 917

VA CERT# 00395

USDA Soil Permit# S-35240

TSRIOSYSTEMS Log # 73981/TNIO Quote:											Samples INTACT upon arrival? Received ON WET KE? Temp	YES NO N/A							
USBiosyst	EM	\mathbf{S}	Log	#	734	8//7	rNIO		Qu	ote:		·						PROPER PRESERVATIVES Indicate Received WITHIN HOLDING TIME	
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