Contamination Assessment Report
Former American Beryllium Company

Prepared for:

Lockheed Martin Corporation
Burbank, California

Prepared by:

Tetra Tech, Inc.
Pasadena, California

Nisha Bansal for
Dan Batrack
Program Manager

Phil Skorge
Project Manager

Gary Braganza 4.23.01
Technical Reviewer
Florida Professional Geologist

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Section 1
Introduction

On behalf of the Lockheed Martin Corporation (Lockheed), Tetra Tech, Inc. has prepared the following Contamination Assessment Report (CAR) for Lockheed Martin's former American Beryllium Company (ABC) facility in Tallevast, Florida. The intent of the contamination assessment program was to address the Florida Department of Environmental Protection (FDEP) requirements for assessment of petroleum hydrocarbons, volatile organic compounds and metals detected in soil and groundwater at the site.

This CAR is organized into the following sections:

- Section 2 - Site Background: Provides a brief overview of the CAR, a site description, subsurface conditions, and a summary of previous site investigations;
- Section 3 - Contamination Assessment Approach and Methodology: Presents the technical approach to the contamination assessment program, and a description of the field methodology employed;
- Section 4 - Data Presentation and Evaluation: Presents and evalutes all soil and groundwater analytical data collected;
- Section 5 - Conclusions and Recommendations: Presents conclusions and recommendations derived from the contamination assessment program;
- Section 6 - References: Lists references and citations used for compiling this CAR.

Copies of the FDEP correspondence are included in Appendix A. Soil boring logs, monitoring well construction diagrams, and groundwater purging forms from the contamination assessment program are presented in Appendix B. Laboratory data reports and Chain-of-Custody forms are included in Appendix C. Copies of pertinent sections of Florida soil cleanup guidelines are presented in Appendix D.

SECTION 2

Tab Position 2

Section 2
Site Overview

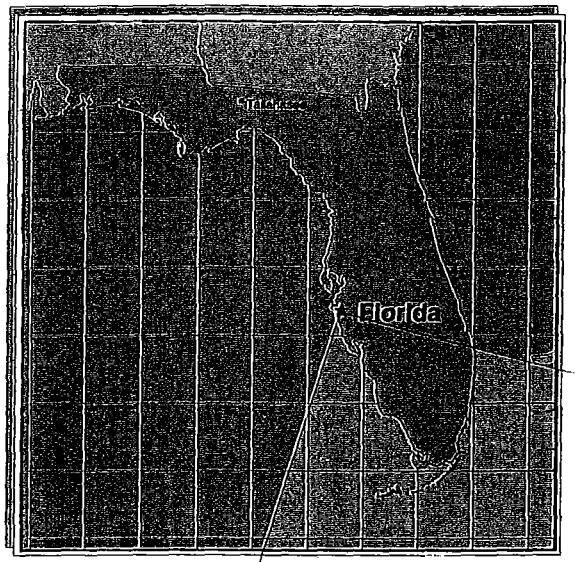
2.1 SITE LOCATION AND DESCRIPTION

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 to the west. A general location map is shown as Figure 2-1.

The property is zoned "Heavy Manufacturing" (HM) by the County of Manatee (Tetra Tech, February 1997). The property contains five primary buildings that cover a total surface area of approximately 66,335 ft^2. Building 1, the largest building structure, was composed 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.

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, fuels, solvents, acids, and metals. Operations were

FIGURE 2-1
SITE LOCATION MAP



Former American Beryllium Company
1600 Tallevast Rd., Tallevast, FL.

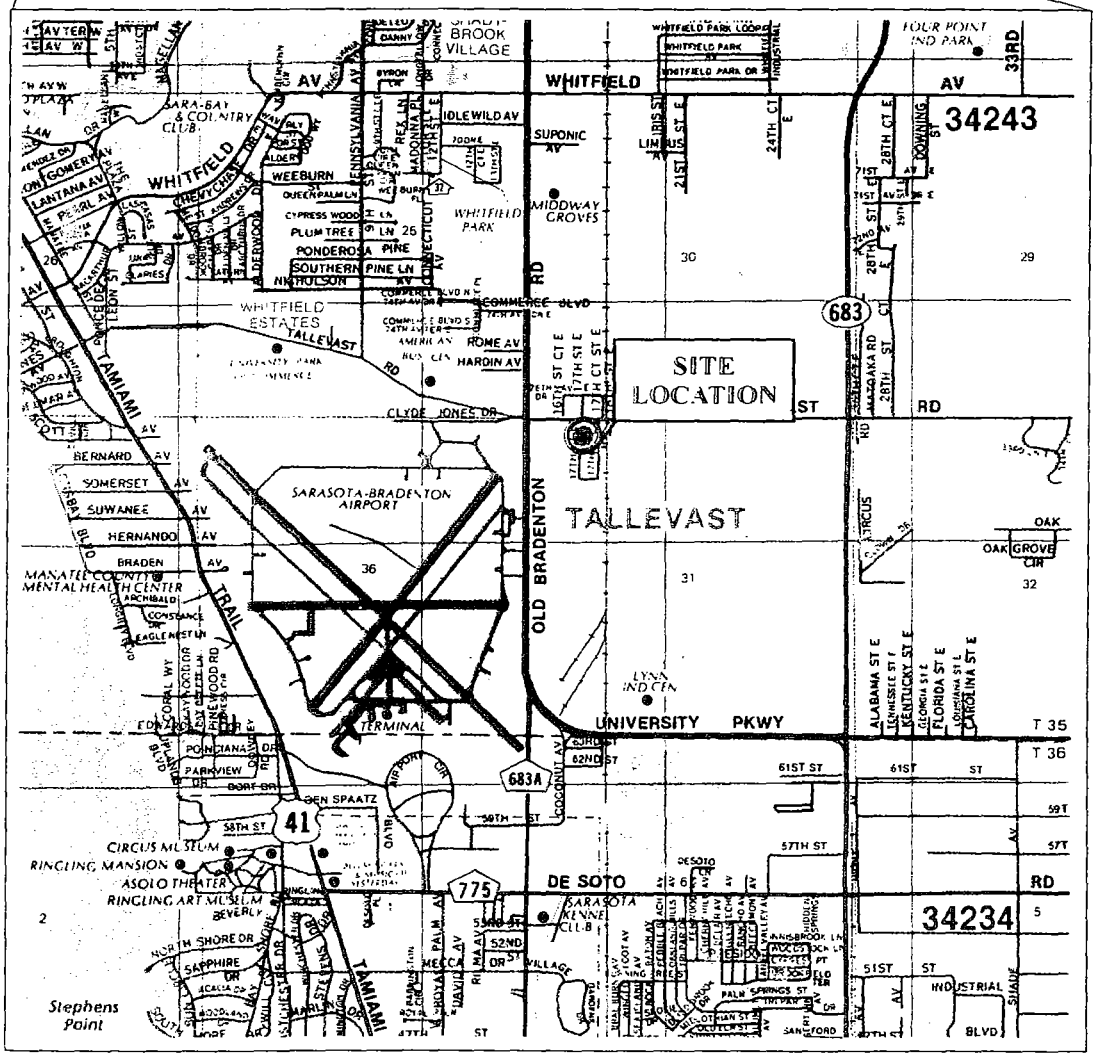
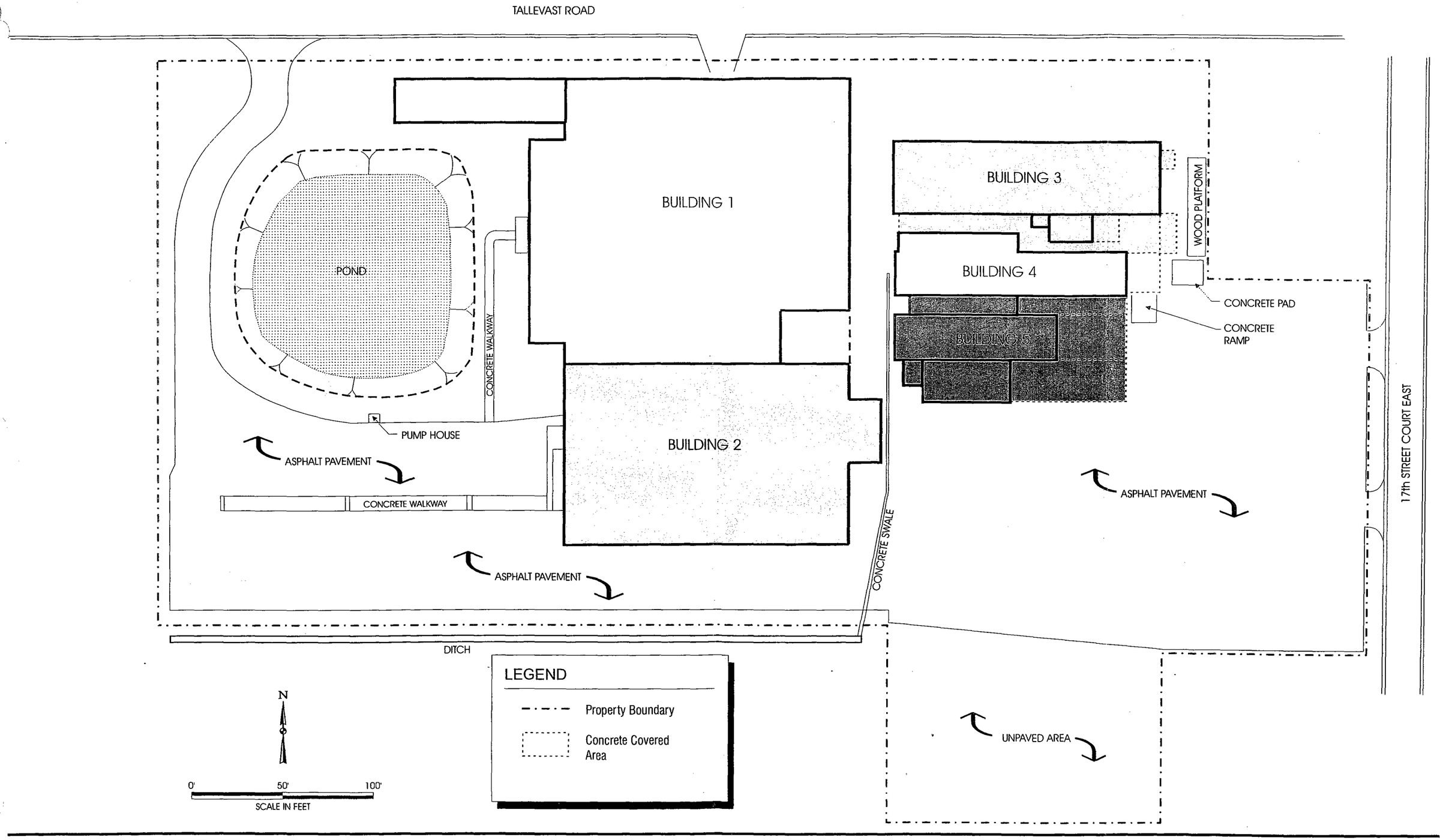


FIGURE 2-2
SITE OVERVIEW



discontinued on September 27, 1996. Further information associated with the buildings and historical chemical usage is provided in Tetra Tech's Phase I Environmental Assessment (EA) Report, dated February 7, 1997.

2.2 SUBSURFACE CONDITIONS

2.2.1 Geology

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

Based on soil boring logs completed during previous investigations, at least 20 feet of soil overlies the limestone bedrock. Relatively permeable soils, consisting of top soil and well sorted, fine grained sand, were encountered to a depth of 19 feet below ground surface (bgs). Sandy clay was encountered at 19 to 20 feet bgs.

2.2.2 Hydrogeology

Based on groundwater data collected during this contamination assessment, depth to groundwater is approximately 6 feet bgs. Data collected since 1997 indicate that groundwater may fluctuate between approximately 4 to 7 feet across the project area. Based on groundwater data collected in January 2000, groundwater flows from northwest to southeast.

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. The well is within the Southwest Florida Water Management District and is used for agricultural purposes.

2.3 SUMMARY OF PREVIOUS INVESTIGATIONS

Previous subsurface investigations conducted at the site include:

- Facility-wide soil investigation conducted in August 1997;
- Sump removal action conducted in January 2000;
- Preliminary groundwater sampling program conducted at the sump area in January 2000, and;
- Soil sampling program conducted at the former evaporation pond in January 2000.

2.3.1 Facility-wide Preliminary Site Investigation

A facility-wide preliminary site investigation (PSI) was conducted in August 1997 to assess the presence or absence of chemicals in the subsurface soil at the site. The PSI was performed voluntarily by LMC in advance of an anticipated sale of the property. The objective of the PSI was to assess site features and areas where chemicals were reportedly used, stored or dispensed at the site. The features assessed were based on information provided in the Environmental Assessment Report (Tetra Tech, February 1997). A total of 21 features were assessed at the site, including sumps, storage tanks, evaporation ponds, and chemical storage yards (Tetra Tech, October 1997). The 21 areas that were assessed are shown in Figure 2-3.

Soil borings were drilled adjacent to each feature to assess the subsurface soil. Soil samples were collected at each feature for chemical analysis by a State of Florida Certified

Laboratory. The specific analyses performed were based on reported chemical usage at the feature.

August 1997 Data Evaluation

Based on the results of laboratory analysis, beryllium was the only compound detected above FDEP's 1997 soil cleanup levels. No volatile organic compounds, petroleum hydrocarbon compounds, or any other inorganic compounds were present above FDEP's 1997 soil cleanup guidelines adjacent to the former AST / USTs, acid pit, evaporation pond, or any other feature investigated. The results of the chemical analyses are summarized in Table 2-1. Further details of the PSI are provided in the Preliminary Site Investigation Report, dated October 20, 1997.

October 1999 Updated Data Evaluation

In association with a pending land sale, the analytical data from the PSI (Tetra Tech, October 1997) were re-evaluated against FDEP's updated August 1999 guidelines. Chemicals detected in the soil during the PSI were screened against the applicable FDEP soil cleanup target levels (SCTLs) for direct industrial exposure and for leachability to groundwater, as published in the Florida Administrative Code 62-777 (FAC August 1999). The results of the chemical analyses and the applicable SCTLs are summarized in Table 2-1.

Soil samples collected adjacent to four sumps located within Building 5 exceeded SCTLs for total petroleum hydrocarbons (TPH) and tetrachloroethene (PCE). The samples exceeded the industrial exposure SCTL for TPH and the groundwater leachability criteria for both TPH and PCE. Acetone was detected frequently but at low concentrations. Since acetone is a common laboratory chemical, it is suspected that the sample detections are attributable to laboratory contamination. Figure 2-4 provides a detailed overview of the Building 5 sumps and soil boring locations.

TABLE 2-1

PSI SOIL SAMPLING ANALYTICAL RESULTS

Sampling Location	Sample Number	Sampling Depth (feet)	Results of Chemical Analyses											pH	SVOCs	PCBs
			TPH (mg/kg)	Metals (mg/kg)												
				Sb	As	Ba	Be	Cr	Cu	Pb	Ni	V	Zn			
Bldg 2 Machine Pit	SB1-4	4	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	-	-	-
Bldg 3 Coolant Sump	SB2-5	5	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
Bldg 5 Plating Room - Former Acid Pit	SB3-4	4	ND	ND	ND	1	ND	7	ND	ND	ND	ND	ND	6.96	-	-
Bldg 5 Anodizing Room - Floor Drains	SB4-4	4	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	7.23	-	-
Bldg 5 Sump No. 1	SB5-4	4	ND	ND	ND	1	ND	3	ND	ND	ND	ND	ND	7.24	ND	ND
Bldg 5 Sump Nos. 2 & 6	SB6-4	4	4,500	-	-	-	-	-	-	-	-	-	-	-	-	-
Bldg 5 Sump No. 3	SB7-4	4	17,000	ND	ND	1	0.3	3	ND	1	5	ND	ND	7.78	-	-
Bldg 5 Sump No. 4	SB8-4	4	5,200	1	ND	ND	3.5	75	15	ND	15	ND	7	6.44	ND	ND
Former 550 Gal. Gasoline UST	SB9-4	4	ND - gas	-	-	-	-	-	-	-	-	-	-	-	-	-
Former Wastewater Treatment Sump	SB10-4	4	73	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	7.64	ND	ND
Former Evaporation Pond	SB11A-4	4	ND	ND	ND	ND	ND	3	ND	ND	8	ND	10	7.94	ND	ND
	SB11B-4	4	ND	ND	5	2	10.5	7	2	2	5	ND	9	7.31	ND	ND
Oil Stained Area - South Parking Lot	SB12-1	1	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	4	7.81	ND	ND
	SB12-4	4	ND	ND	ND	1	ND	2	ND	2	ND	ND	ND	8.54	ND	ND
Bldg 3 Floor Drain	SB13-5	5	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
Bldg 5 Kiln Room – Floor Drain No. 4	SB14-5	5	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
Bldg 5 Kiln Room - Floor Drain No.5	SB15-5	5	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
Bldg 5 Chem. Storage Area - Former Floor Drain No. 6	SB16-4	4	ND	ND	ND	1	ND	2	ND	ND	ND	ND	ND	6.85	ND	ND
Bldg 5 Sump No. 5	SB17-4	4	11	-	-	-	-	-	-	-	-	-	-	-	-	-
Bldg 5 Haz. Waste Storage Yard	SB18-4	4	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	2	7.27	ND	ND
Former Aboveground Tanks	SB19-4	4	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
Wastewater Treatment Line	SB20-4	4	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	7.65	ND	ND
Exterior Drum Storage Area	SB21A-1	1	ND	ND	ND	2	ND	4	ND	1	ND	ND	5	7.65	ND	ND
	SB21A-4	4	ND	ND	ND	ND	ND	3	ND	ND	ND	2	2	7.11	ND	ND
	SB21B-1	1	ND	ND	ND	2	0.2	4	ND	1	ND	ND	6	7.82	ND	ND
	SB21B-4	4	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2	7.63	ND	ND
Florida Soil Cleanup Target Levels (SCTLs) [1]	Industrial Exposure (mg/kg)		2500	240	3.7	87000	800	420 (Cr^{+6})	76000	920	28000	7400	560000			
	Leachability - groundwater criteria (mg/kg)		340	5	29	1600	63	38 (Cr^{+6})	No level	No level	130	980	6000			

- Indicates samples were not analyzed for the specified analysis
ND - Not Detected
[1] Reference: FDEP, Development of SCTLs for Chapter 62-777, Final Report, May 26, 1999

TABLE 2-1 (continued)

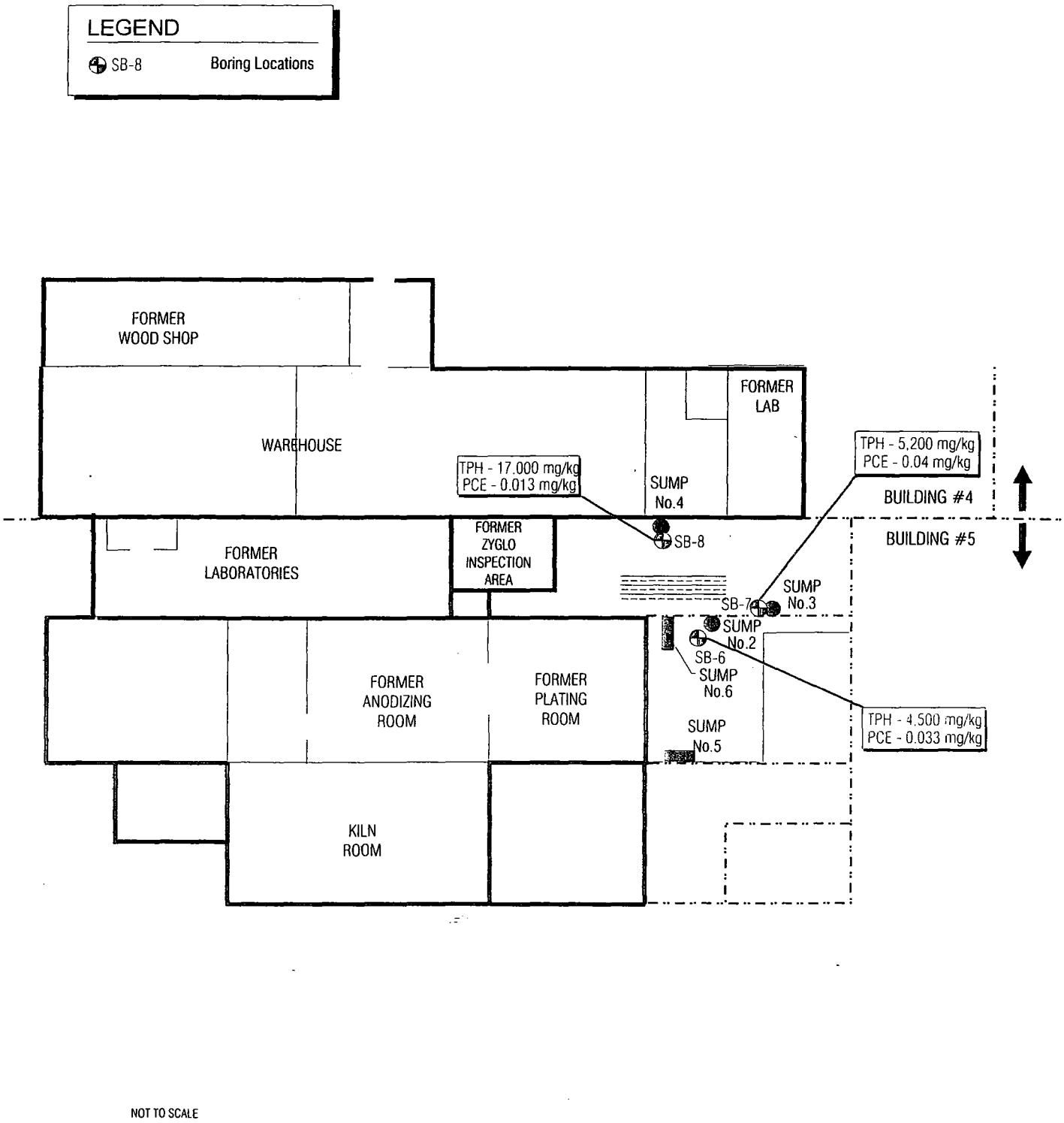
PSI SOIL SAMPLING ANALYTICAL RESULTS

Sampling Location	Sample Number	Sampling Depth (feet)	VOC Analytical Results (mg/kg)								
			Acetone	2-Butanone	2-Hexanone	1,1-DCA	1,2-DCE (total)	1,1,1-TCA	1,1,2,2-Tetrachloroethane	PCE	Xylene (total)
Bldg 2 Machine Pit	SB1-4	4	0.073	ND	ND	ND	ND	ND	ND	ND	ND
Bldg 3 Coolant Sump	SB2-5	5	0.026	ND	ND	ND	ND	ND	ND	ND	ND
Bldg 5 Plating Room - Former Acid Pit	SB3-4	4	0.025	ND	ND	ND	ND	ND	ND	ND	ND
Bldg 5 Anodizing Room - Floor Drains	SB4-4	4	0.152	0.082	0.026	ND	0.005	ND	ND	ND	ND
Bldg 5 Sump No. 1	SB5-4	4	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Bldg 5 Sump Nos. 2 & 6	SB6-4	4	0.309	ND	ND	0.464	0.062	0.073	0.052	0.033	0.019
Bldg 5 Sump No. 3	SB7-4	4	0.140	ND	ND	0.055	ND	ND	ND	0.040	0.026
Bldg 5 Sump No. 4	SB8-4	4	0.059	ND	ND	ND	ND	ND	ND	0.013	0.005
Former 550 Gal. Gasoline UST	SB9-4	4	0.076	ND	ND	ND	ND	ND	ND	ND	ND
Former Wastewater Treatment Sump	SB10-4	4	0.039	ND	ND	ND	ND	ND	ND	ND	ND
Former Evaporation Pond	SB11A-4	4	0.086	ND	ND	ND	ND	ND	ND	ND	ND
	SB11B-4	4	0.047	ND	ND	ND	ND	ND	ND	ND	ND
Oil Stained Area - South Parking Lot	SB12-1	1	0.032	ND	ND	ND	ND	ND	ND	ND	ND
	SB12-4	4	0.078	ND	ND	ND	ND	ND	ND	ND	ND
Bldg 3 Floor Drain	SB13-5	5	0.035	ND	ND	ND	ND	ND	ND	ND	ND
Bldg 5 Kiln Room - Floor Drain No. 4	SB14-5	5	0.046	ND	ND	ND	ND	ND	ND	ND	ND
Bldg 5 Kiln Room - Floor Drain No.5	SB15-5	5	0.026	ND	ND	ND	ND	ND	ND	ND	ND
Bldg 5 Chem. Storage Area - Former Floor Drain No. 6	SB16-4	4	0.049	ND	ND	ND	ND	ND	ND	ND	ND
Bldg 5 Sump No. 5	SB17-4	4	0.023	ND	ND	ND	ND	ND	ND	ND	ND
Bldg 5 Haz. Waste Storage Yard	SB18-4	4	0.013	ND	ND	ND	ND	ND	ND	ND	ND
Former Aboveground Tanks	SB19-4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Wastewater Treatment Line	SB20-4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Exterior Drum Storage Area	SB21A-1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	SB21A-4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	SB21B-1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	SB21B-4	4	0.078	ND	ND	ND	ND	ND	ND	ND	ND
Florida Soil Cleanup Target Levels (SCTLs) [1]	Industrial Exposure (mg/kg)		5500	21000	34	2000	130	3300	1.1	17	40000
	Leachability - groundwater criteria (mg/kg)		2.8	17	1.4	0.4	0.4	1.9	0.002	0.03	0.2

ND - Not Detected

[1] Reference: FDEP, Development of SCTLs for Chapter 62-777, Final Report, May 26, 1999

FIGURE 2-4
BUILDING 5 SUMP AREA



2.3.2 Sump Removal Program

Based on the concentrations of TPH and PCE detected during the PSI, each sump in Building 5 was removed and a limited quantity of impacted soil around each sump was excavated. The sump removal and over-excavation program was implemented in January 2000. Four excavations were completed at the locations of Sump #2, #3, #4, and #6 in Building 5. Vertically, the excavations extended to the groundwater interface at approximately 6 feet bgs. The final excavation limits are shown in Figure 2-5. The approximate excavation dimensions and soil volumes removed are listed in Table 2-2.

TABLE 2-2

EXTENT OF SUMP EXCAVATIONS

Location	Sump Number	Approximate Dimensions of Excavation	Estimated Volume Excavated
Building 5	#2	6′ wide x 6′ long x 6′ deep	8 cubic yards
	#3	5′ wide x 5′ long x 6′ deep	6 cubic yards
	#4	5′ wide x 5′ long x 6′ deep	6 cubic yards
	#6	5′ wide x 10′ long x 6′ deep	11 cubic yards

Following excavation to the pre-determined boundaries, five soil samples (1 floor and 4 sidewalls) were collected from each sump excavation boundary. The sidewall samples were collected at a depth of approximately 3 to 4 feet bgs, and the floor samples were collected at a depth of approximately 5 to 6 feet bgs. The samples were analyzed for TPH using the FL-PRO method and volatile organic compounds (VOCs) using EPA Method 8260B. TPH compounds exceeded the FDEP soil cleanup target levels at each sump location. VOCs (primarily PCE) were detected above leachability SCTLs in six soil samples collected. Copies of the analytical data reports are provided in Appendix B. A summary of the soil analytical data is presented in Table 2-3.

In accordance with applicable waste disposal regulations, the excavated soil was transported as a non-hazardous waste to Clark Environmental's permitted disposal facility in Mulberry, Florida. The excavations remain open, and the area has been secured to prevent safety hazards.

FIGURE 2-5
SUMP EXCAVATION AND SOIL SAMPLE LOCATIONS

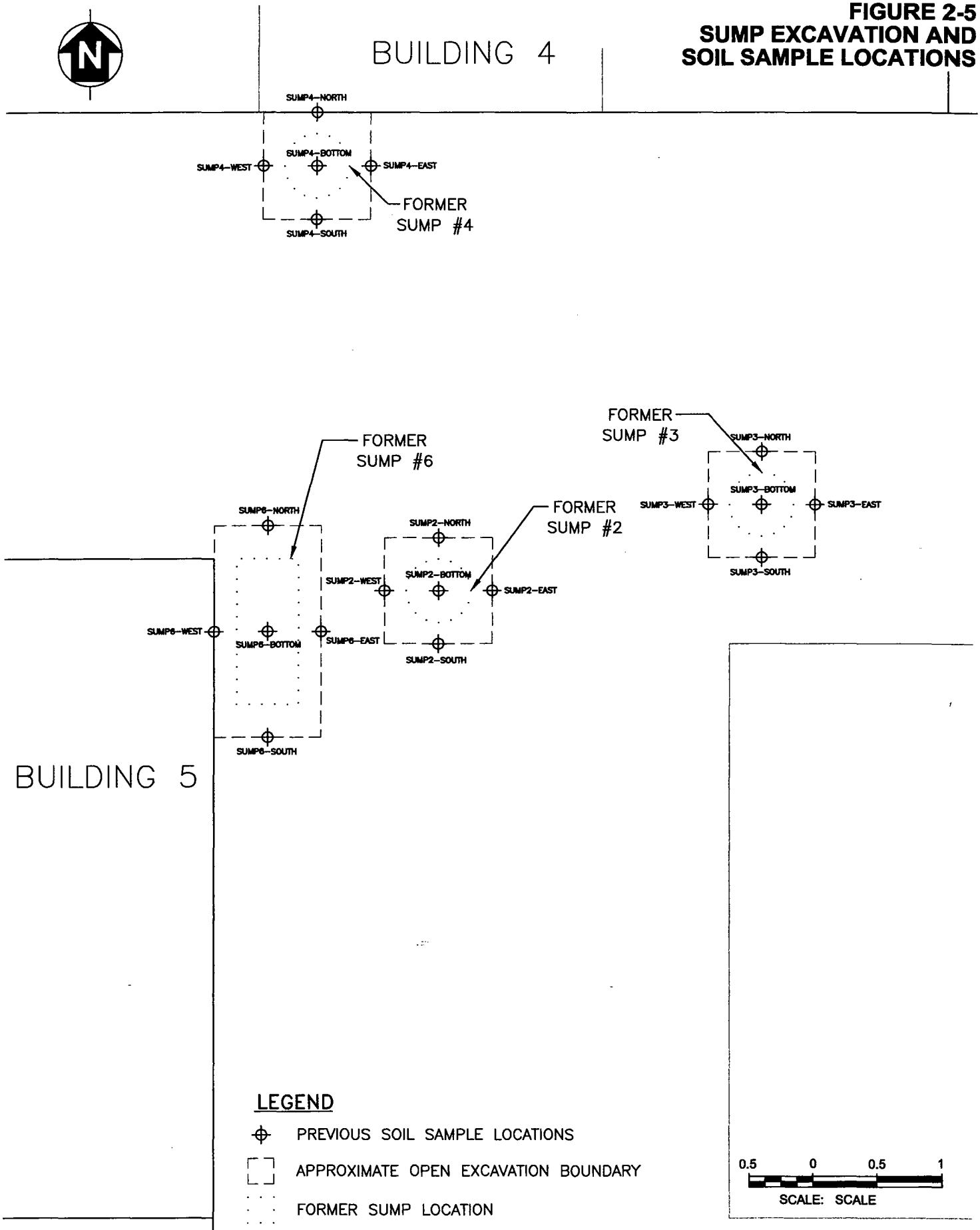


TABLE 2-3

SOIL ANALYTICAL DATA

SUMP EXCAVATION BOUNDARY SAMPLES

Sump No.	Sample I.D.	Sample Location	TPH [1] (mg/kg)	VOC (µg/kg)
#2	Sump 2 - East	East sidewall	15000	2 VOCs detected – all below SCTLs
	Sump 2 - West	West sidewall	16000	6 VOCs detected – PCE and 1,1-DCA >leachability SCTL
	Sump 2 - North	North sidewall	22000	2 VOCs detected – all below SCTLs
	Sump 2 - South	South sidewall	13000	4 VOCs detected – all below SCTLs
	Sump 2 - Bottom	Excavation Floor	20000	5 VOCs detected – all below SCTLs
#3	Sump 3 - East	East sidewall	97	ND
	Sump 3 - West	West sidewall	16000	ND
	Sump 3 - North	North sidewall	15000	ND
	Sump 3 - South	South sidewall	15000	1 VOC detected – below SCTL
	Sump 3 - Bottom	Excavation Floor	14000	6 VOCs detected – PCE >leachability SCTL
#4	Sump 4 - East	East sidewall	7100	ND
	Sump 4 - West	West sidewall	13000	2 VOCs detected – all below SCTLs
	Sump 4 - North	North sidewall	280	ND
	Sump 4 - South	South sidewall	5200	5 VOCs detected – all below SCTLs
	Sump 4 - Bottom	Excavation floor	8500	10 VOCs detected – all below SCTLs
#6	Sump 6 - East	East sidewall	17000	4 VOCs detected - all below SCTLs
	Sump 6 - West	West sidewall	22000	6 VOCs detected - PCE >leachability SCTL
	Sump 6 - North	North sidewall	590	12 VOCs detected - PCE >leachability SCTL
	Sump 6 - South	South sidewall	18000	1 VOC detected - PCE >leachability SCTL
	Sump 6 - Bottom	Excavation floor	13000	13 VOCs detected - PCE, 1,1-DCA, and 1,2,4-TMB >leachability SCTLs

[1] TPH concentrations reported are in $C_8 - C_{40}$ range

ND – Not Detected

DCA – Dichloroethane

PCE – Tetrachloroethylene

VOC – Volatile Organic Compound

TMB – 1,2,4-Trimethylbenzene

SCTL – Soil Cleanup Target Level

2.3.3 Preliminary Groundwater Sampling

In further support of the property sale and environmental due diligence, sampling of the groundwater beneath the site was performed. On January 12, 2000, three temporary monitoring wells (TMW-1, TMW-2, and TMW-3) were installed around the former sumps in Building 5. Figure 2-6 presents the temporary well locations. The wells were installed to depths of approximately 10 feet bgs. Based on elevation measurements, groundwater was determined to flow to the southeast (Law Engineering, January 2000).

Groundwater samples for chemical analyses were collected from well TMW-3, located at the former sumps, and well TMW-2, located approximately 20 feet down-gradient of Building 5. The samples were analyzed for halogenated and aromatic volatile organics using EPA Method 8021, petroleum hydrocarbons using the FL-PRO method, cyanide, beryllium, and RCRA 8 metals (Law Engineering, January 2000). Copies of the laboratory reports are presented in Appendix C. A summary of the groundwater analytical data is presented in Table 2-4.

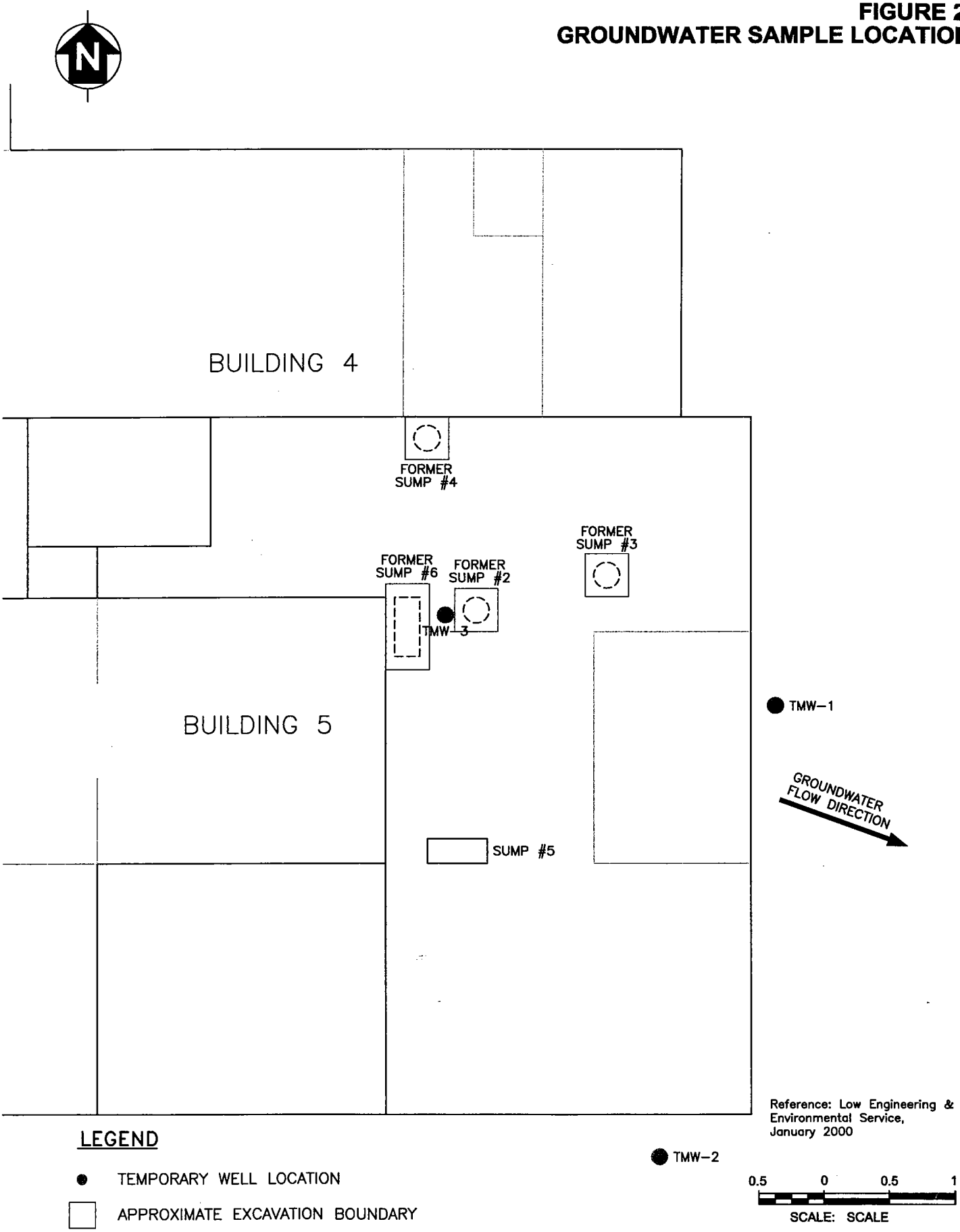
TABLE 2-4

PRELIMINARY GROUNDWATER ANALYTICAL DATA

Sample I.D.	VOC (µg/L)	TPH (mg/L)	RCRA Metals (mg/L)	Beryllium (mg/L)	Cyanide (mg/L)
TMW-2	1,1-DCA = 3.2 1,1-DCE= 97 cis-1,2-DCE = 3.5 PCE = 6.7 TCE = 3.5 All other VOCs = ND	0.77	Chromium = 0.14 All other RCRA metals = ND	0.17	ND
TMW-3	1,1-DCA = 6.5 1,1-DCE = 69 cis-1,2-DCE = 1.4 PCE = 12 TCE = 7.4 All other VOCs = ND	ND	All RCRA metals = ND	ND	ND

DCA – Dichloroethane
DCE – Dichloroethylene
TCE – Trichloroethylene
RCRA – Resource Conservation and Recovery Act
PCE – Tetrachloroethylene
ND – Not detected

FIGURE 2-6
GROUNDWATER SAMPLE LOCATIONS



Reference: Low Engineering & Environmental Service, January 2000

Chemicals detected in the groundwater were screened against the applicable FDEP groundwater cleanup threshold levels (GCTLs) for groundwater, as published in the Florida Administrative Code 62-777 (FAC August 1999). Based on the analytical data, PCE, TCE, DCE, beryllium and chromium were detected above GCTLs. Beryllium, chromium, DCE and PCE were detected above GCTLs in the sample collected directly at the location of the former sumps. PCE, TCE, and DCE were detected above GCTLs in the sample collected down-gradient from the former sumps.

2.3.4 Soil Sampling at Evaporation Pond

On January 12, 2000, two soil borings were completed adjacent to the former evaporation pond located at the south-central portion of the former ABC property. Figure 2-7 presents the sample locations. Soil samples were collected at four feet bgs from each boring and analyzed for VOCs, RCRA metals, mercury, beryllium, and total cyanide. Copies of the laboratory reports are presented in Appendix C. A summary of the soil analytical data is presented in Table 2-5.

TABLE 2-5

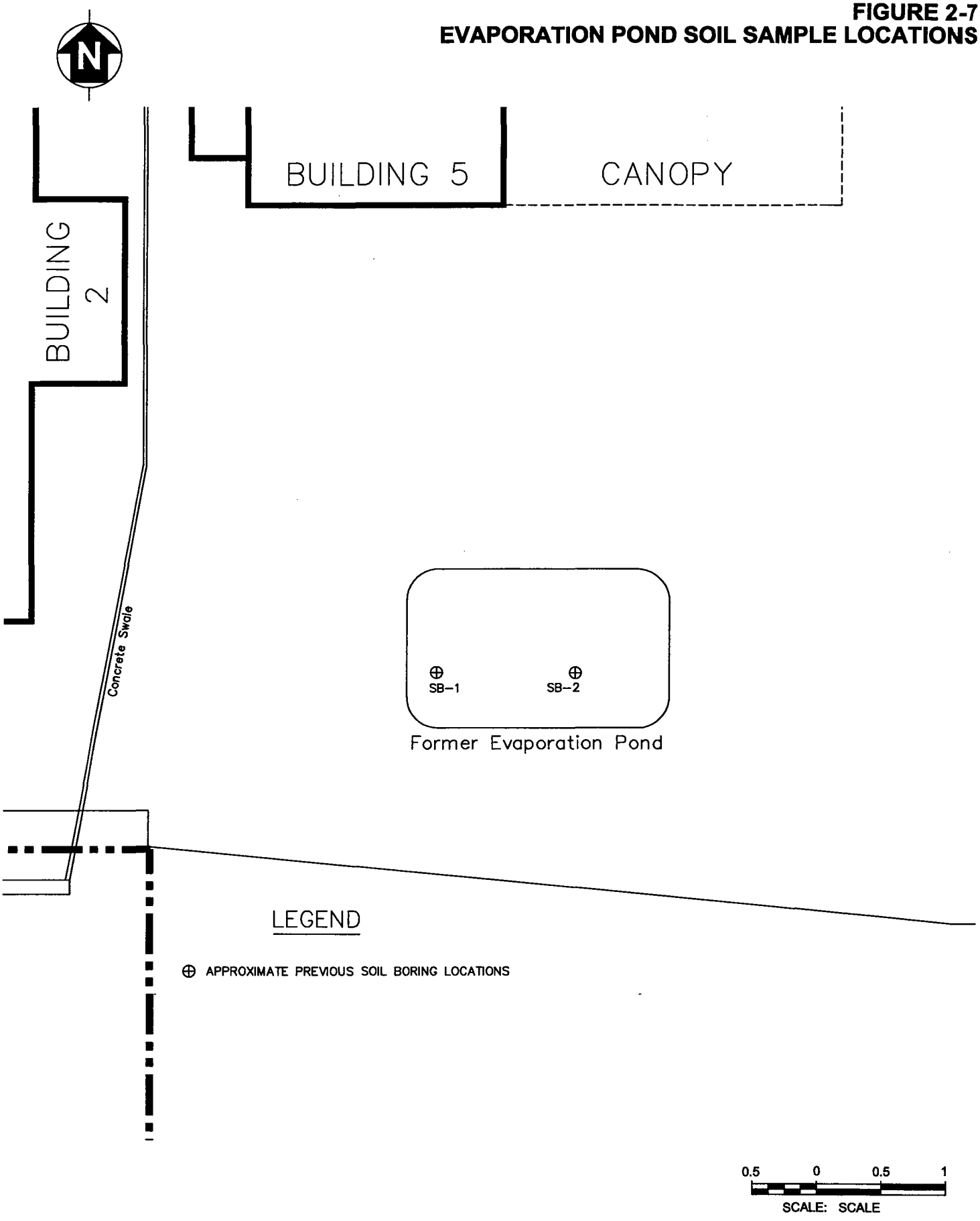
SOIL DATA AT FORMER EVAPORATION POND

Sample I.D.	VOC (µg/kg)	RCRA Metals (mg/kg)	Mercury (mg/kg)	Beryllium (mg/kg)	Cyanide (mg/kg)
SB-1 @ 4'	All VOCs = ND	Barium = 1.5 Chromium = 2.2 Lead = 0.81	ND	ND	ND
SB-2 @ 4'	All VOCs = ND	Arsenic = 6.7 Barium = 5.1 Chromium = 5.4 Lead = 3.4	0.066	7.0	ND

ND – Not detected

Arsenic exceeded the FDEP industrial exposure SCTL in the soil sample collected from SB-2. No other chemicals were detected above either the industrial exposure or the groundwater leachability SCTLs.

FIGURE 2-7
EVAPORATION POND SOIL SAMPLE LOCATIONS



2.3.5 Investigation Summary

Subsurface investigations were conducted in August 1997 and January 2000 to assess various features and areas where chemicals may have been stored, used, or dispensed at the former ABC facility. Soil and groundwater sampling activities identified chemicals in soil and/or groundwater above FDEP screening levels around the former Building 5 sumps and the former evaporation pond. A summary of the chemicals exceeding the applicable screening levels are presented in Table 2-6.

TABLE 2-6

CHEMICALS ABOVE FDEP SCREENING LEVELS

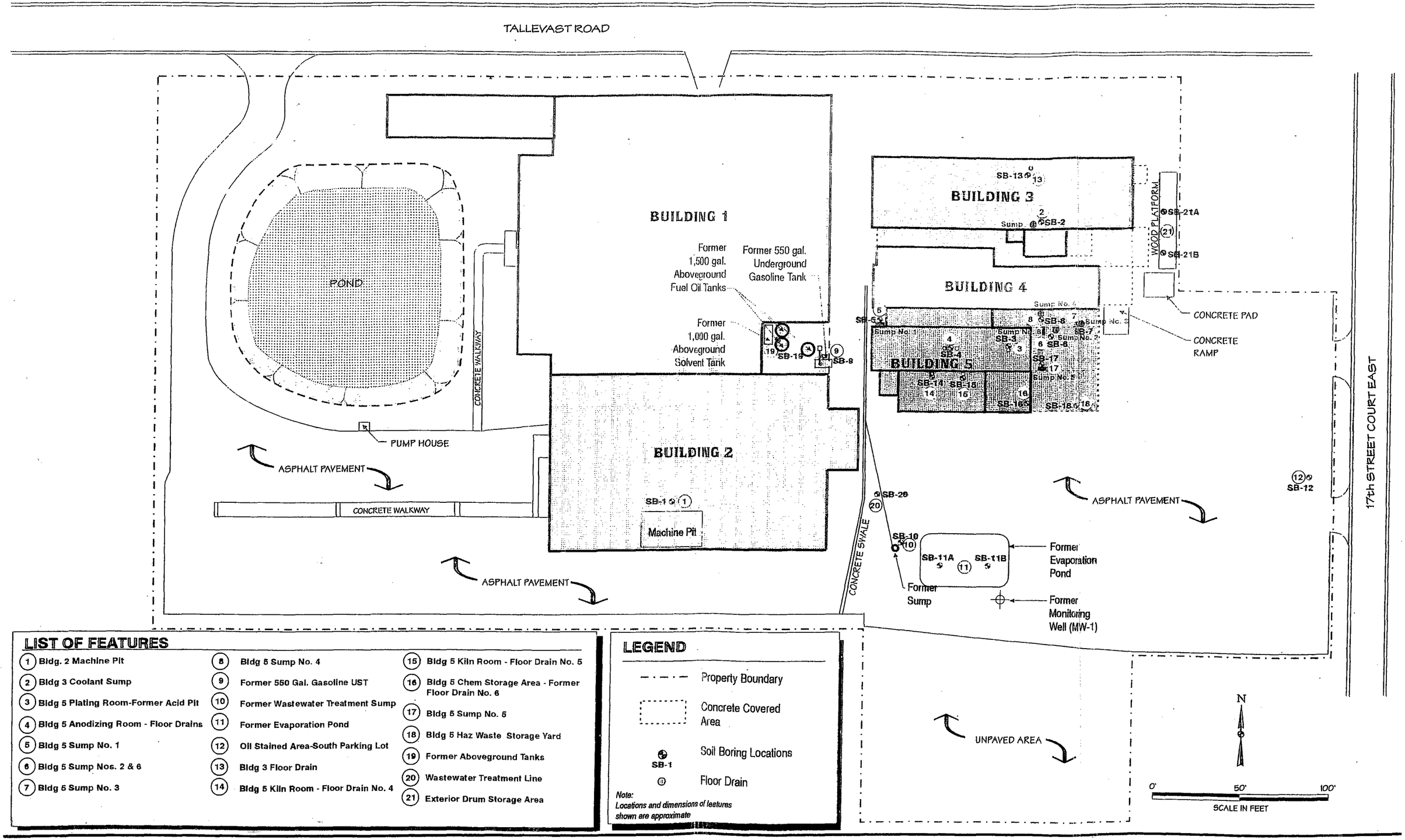
Chemical	Sample Media	Location	Max. Detection	SCTL / GCTL
TPH[1] ($C_8 - C_{40}$)	Soil	Building 5 Sumps	22,000 mg/kg	2,500 mg/kg
VOCs	Soil	Building 5		
PCE [2]		Building 5 Sumps	330 ug/kg	30 ug/kg
1,1,2,2-TCA [2]		Building 5 Sumps	52 ug/kg	2 ug/kg
DCA [2]		Building 5 Sumps	465 ug/kg	400 ug/kg
1,2,4-TMB [2]		Building 5 Sumps	850 ug/kg	300 ug/kg
VOCs	Groundwater	Building 5 Sump + Downgradient		
PCE [3]		20' downgradient of Bldg 5	12 ug/L	3 ug/L
TCE [3]		20' downgradient of Bldg 5	7.4 ug/L	3 ug/L
DCE [3]		Building 5 Sump	97 ug/L	
Beryllium [3]	Groundwater	Building 5 Sump Area	170 ug/L	
Chromium [3]	Groundwater	Building 5 Sump Area	140 ug/L	100 ug/L
Arsenic[1]	Soil	Former Evaporation Pond	6.7 mg/kg	3.7 mg/kg

[1] - Industrial SCTL
[2] - Leachability SCTL
[3] - GCTL
TPH – Total Petroleum Hydrocarbons.
VOC – Volatile Organic Compounds
PCE – Tetrachloroethylene
TCE – Trichloroethylene
TCA - Trichloroethane
DCA - Dichloroethane
DCE – Dichloroethylene
TMB – 1,2,4-Trimethylbenzene

2.3.6 Contamination Discovery Report

On behalf of LMC, Tetra Tech prepared a contamination discovery report (CDR), dated July 7, 2000, documenting the preliminary soil and groundwater assessment activities conducted at the former ABC facility. The intent of the report was to address the FDEP's initial reporting requirements, as outlined in their letter dated June 7, 2000. In response to the CDR, the FDEP submitted a letter, dated August 24, 2000, requiring preparation of a CAP to further delineate the chemicals detected at the site.

FIGURE 2-3
PSI SOIL BORING LOCATIONS



LIST OF FEATURES

1. Bldg. 2 Machine Pit
2. Bldg 3 Coolant Sump
3. Bldg 5 Plating Room-Former Acid Pit
4. Bldg 5 Anodizing Room - Floor Drains
5. Bldg 5 Sump No. 1
6. Bldg 5 Sump Nos. 2 & 6
7. Bldg 5 Sump No. 3
8. Bldg 5 Sump No. 4
9. Former 550 Gal. Gasoline UST
10. Former Wastewater Treatment Sump
11. Former Evaporation Pond
12. Oil Stained Area-South Parking Lot
13. Bldg 3 Floor Drain
14. Bldg 5 Kiln Room - Floor Drain No. 4
15. Bldg 5 Kiln Room - Floor Drain No. 5
16. Bldg 5 Chem Storage Area - Former Floor Drain No. 6
17. Bldg 5 Sump No. 5
18. Bldg 5 Haz Waste Storage Yard
19. Former Aboveground Tanks
20. Wastewater Treatment Line
21. Exterior Drum Storage Area

LEGEND

- Property Boundary
- Concrete Covered Area
- SB-1 — Soil Boring Locations
- Floor Drain

Note: Locations and dimensions of features shown are approximate

Tab Position 3

SECTION 3

Section 3
Contamination Assessment Approach and Methodology

The contamination assessment program was implemented from January 30 through February 13, 2001. The following section describes the approach and field methodology to conduct the contamination assessment. The investigation was conducted in accordance with Tetra Tech's Contamination Assessment Plan, dated September 5, 2000, and FDEP's guidelines outlined in Corrective Actions for Contamination Site Cases.

3.1 PROJECT OBJECTIVES AND APPROACH

The intent of the contamination assessment program was to further assess chemicals detected in soil and groundwater at the former Building 5 sumps and the former evaporation pond. The specific objectives of the CAP were as follows:

1. BUILDING 5 SUMPS
   - ✓ Delineate extent of TPH impacted soils around removed sumps
   - ✓ Delineate extent of VOC impacted soils around removed sumps
   - ✓ Determine whether soil is impacted with beryllium or chromium (to evaluate potential source of groundwater contamination)
   - ✓ Delineate extent of TPH in groundwater
   - ✓ Delineate extent of beryllium and chromium in groundwater
   - ✓ Evaluate analytical data against FDEP SCTLs and Natural Attenuation Guidelines

2. FORMER EVAPORATION POND
   - ✓ Delineate extent of arsenic in soil at former evaporation pond
   - ✓ Evaluate analytical data against FDEP SCTLs and Natural Attenuation Guidelines

To assess the extent of VOCs, TPH and metals in soil and groundwater, a phased investigation approach was conducted and consisted of soil sampling, installation and sampling of temporary groundwater monitoring wells, and installation and sampling of permanent monitoring wells. The phased technical approach is summarized below.

1. Phase 1 - Soil and Groundwater Sampling – Soil and groundwater samples were collected to define the extent of chemicals in the subsurface around the former sumps. Temporary monitoring wells were installed and sampled to determine the extent of chemicals in groundwater, and to optimize placement of permanent monitoring wells. Soil sampling was also completed at the former evaporation pond to evaluate the extent of arsenic detected in the shallow soil.

2. Phase 2 - Permanent Monitoring Well Installation and Sampling – Based on the initial groundwater data collected from the temporary wells, permanent monitoring wells were installed to allow long-term monitoring of the chemicals of concern.

Data collected from this contamination assessment program was used to evaluate further actions that may be required at the site (e.g., groundwater monitoring, remediation, risk assessment). Further description of the sampling approach and methodology is presented in the following sections.

3.2 PHASE 1 – SOIL AND GROUNDWATER SAMPLING

3.2.1 Sampling Approach

A soil and groundwater assessment was implemented to delineate the extent of VOCs, TPH, and metals in soil and groundwater. A summary of the sampling approach is presented in Table 3-1.

TABLE 3-1

PHASE 1 SAMPLING APPROACH

Sampling Location	Sampling Media	No. of Sample Locations	Sample Depths	Laboratory Analyses
Perimeter of Building 5 sumps	Soil	14 (TT-SB1 through TT-SB14)	3' and 6'	VOC, TPH, beryllium, chromium
Evaporation pond	Soil	4 (TT-SB15 through TT-SB18)	0' to 2' (composite) and 6'	Arsenic
Building 5 and down-gradient of sources (sumps)	Groundwater	10 (TT-HP1 through TT-HP10)	8' (all except TT-HP5-D) 18' (TT-HP5-D)	VOC, TPH, beryllium, chromium

Soil sampling around Building No. 5 sumps

To assess the extent of TPH, VOCs, beryllium, and chromium in soil, 14 soil borings were completed around the perimeter of the sumps / excavations. The locations of the borings are shown on Figure 3-1. Borings were completed at locations to evaluate the extent of soil impacts under the metal canopy and within Buildings 4 and 5. In general, soil samples were collected at the 3-foot and 6-foot depth intervals for chemical analyses. At soil boring TT-SB11, soil refusal occurred at 3 feet bgs. Samples were analyzed for TPH, VOCs, beryllium, and chromium.

Soil sampling at former evaporation pond

To assess the extent of arsenic in soil, four soil borings were completed around the perimeter of the former evaporation pond. The locations where the samples were collected are shown on Figure 3-2. At each boring, a soil sample was collected from the 0 to 1-foot depth interval and the 1 to 2-foot depth interval and composited for chemical analysis. In addition, soil samples were collected at the 6-foot (capillary fringe) depth interval from each boring for chemical analysis. In accordance with the Work Plan, samples were analyzed for arsenic only.

Figure 3-1
Soil Sample Locations
at Building 5 Sump Area

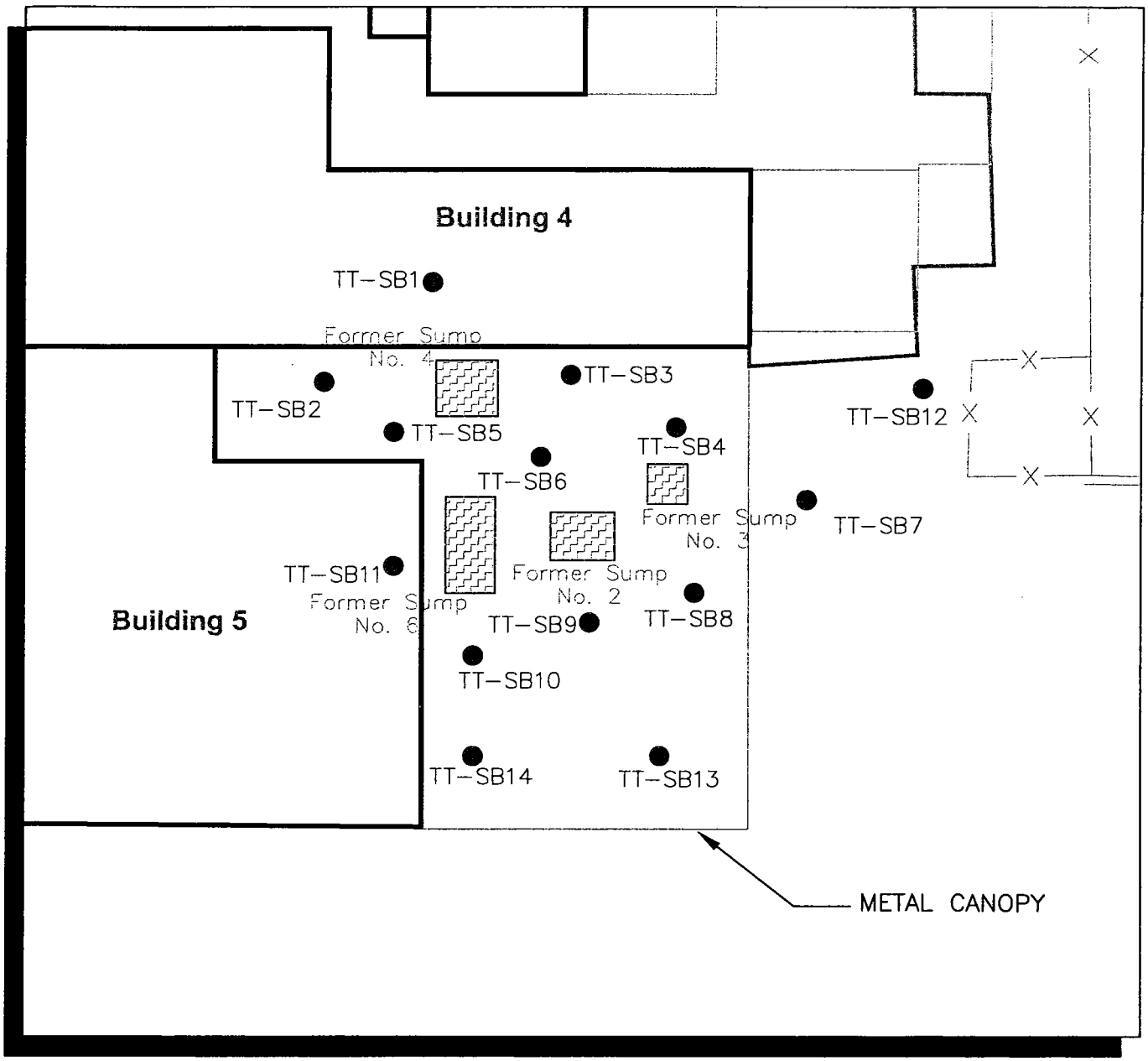
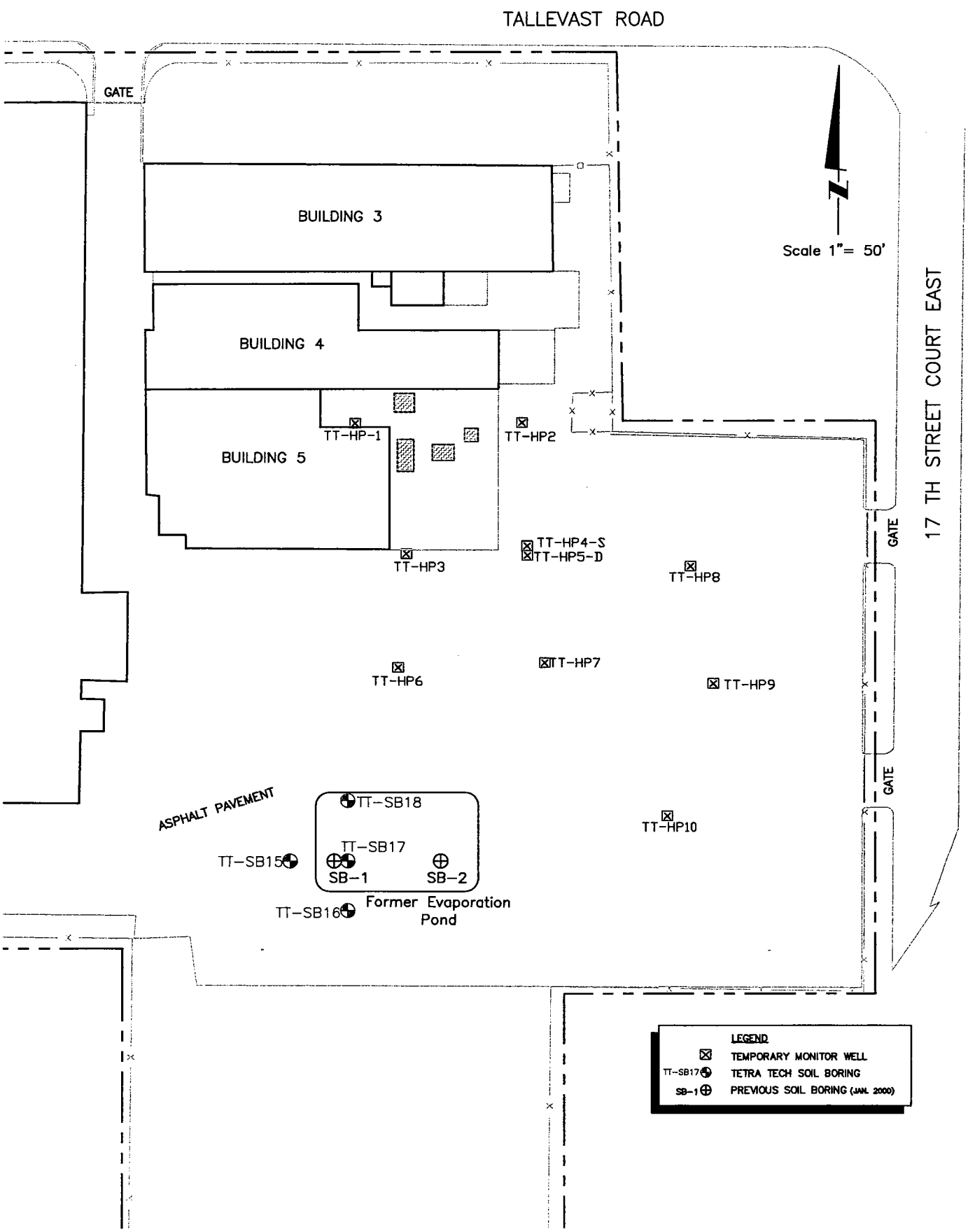


Figure 3-2
Sampling Locations at Former Sumps and Evaporation Pond



Groundwater sampling around Building No. 5 sumps

To assess the extent of TPH, VOCs, beryllium, and chromium in groundwater, ten temporary monitoring wells were installed and sampled around the sumps (suspected source area), and down-gradient of Building 5. Temporary well locations are shown on Figure 3-2.

At all temporary wells with the exception of TT-HP5-D, groundwater samples were collected at a depth of approximately 8 feet bgs for grab water sample collection. At TT-HP5-D, a groundwater sample was collected at 18 feet bgs to evaluate if separate-phase chlorinated compounds have migrated to the base of the water-bearing zone. Samples were analyzed for TPH, VOCs, beryllium, and chromium.

3.2.2 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). Soil borings that required relocation due to subsurface obstructions were positioned as close as possible to the original area under investigation. As an additional precaution, the first 5 feet of each soil boring were hand-augered to check for the presence of underground utilities.

3.2.3 Collection of Subsurface Soil Samples

Drilling and Sample Collection

A hand auger was used to drill the 6-foot soil borings completed under the metal canopy and within building structures. At each boring, the hand auger was advanced to the required depth (3 and 6' bgs), and a sample liner was pushed into the hand auger bucket for chemical analysis. Soil was also collected from the auger bucket for lithological logging and head-space analysis.

A hydraulically-powered direct-push probe was employed to complete the temporary wells. 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 and head-space analysis.

Sample Handling

Soil samples for VOC analysis were collected with an EnCore sampler using the EPA Method 5030 method, extracted in the laboratory, and analyzed by EPA Method 8260B.

Soil samples collected for TPH and metals analyses were immediately capped and placed in a cooler with ice pending delivery to the analytical laboratory. Each sample liner was covered with plastic end caps over aluminum foil. A label was placed on the sample liner that includes a unique sample number, date and time that the sample was collected, name of the person handling the sample, and the specific analyses being requested from the laboratory. The sample liner was then placed into a zip-lock plastic bag and secured.

Head Space Analysis

Head-space analyses was performed as a field screening technique using a calibrated Flame Ionization Detector (FID). Each soil sample was placed in a sealed container and filled with an approximately equal volume of clean air. The FID registers the concentrations of total organic vapors in the head-space which is an indication of the presence of volatile organic materials in the soil. The FID was calibrated every morning and periodically during the day as needed.

Lithological Logging

A field geologist logged all boreholes using ASTM standard procedures and techniques. Soil samples were taken at frequent intervals and used to describe the color, moisture, sorting, grain size, and any other pertinent soil characteristics observed.

3.2.4 Installation and Sampling of Temporary Wells

Temporary wells were completed at each of the initial groundwater sampling locations. The temporary wells were used for a one-time groundwater sampling event, and not intended for long-term monitoring.

The wells were completed with 1-inch, Schedule 40, PVC pipe that was screened across the appropriate sampling interval. Each of the wells, with the exception of TT-HP-5D, were screened from 3 to 8 feet bgs. Temporary well TT-HP-5D was screened 15 to 20 feet bgs to allow sample collection at the base of the water-bearing zone. At each temporary well, 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.

Groundwater was purged and sampled from the wells using a low-flow, peristaltic pump. Purged water was stored in 55-gallon steel drums. Samples were collected in 40 ml vials and placed immediately in a cooler on ice pending shipment to the laboratory.

3.2.5 Laboratory Analysis

A State-Certified laboratory (U.S. Biosystems in Boca Raton, Florida) was used for all VOC, TPH, arsenic, beryllium, and chromium analyses. A summary of the analytical methods that were employed are presented in Table 3-2.

TABLE 3-2

ANALYTICAL METHODS FOR PHASE I SOIL AND GROUNDWATER SAMPLING

Analyte	Sample Media	Analytical Method
Total Petroleum Hydrocarbons (TPH)	Soil and groundwater	FL-PRO
Volatile Organic Compounds (VOCs)	Soil	EPA 5035 / 8260
	Groundwater	EPA 8260
Chromium	Soil and groundwater	EPA 6010
Beryllium	Soil and groundwater	EPA 6010
Arsenic	Soil	EPA 6010

3.2.6 Equipment Decontamination

When sampling occurred, a restricted work zone was established. Only qualified team members were permitted to enter this zone. A decontamination area and a clean zone was 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.

Equipment used for sampling which is in direct contact with the soil media, underwent the following decontamination process:

- ✓ Loose dirt was brushed off with a steel-bristle brush in the decontamination area;

- ✓ Equipment was washed in a non-phosphate detergent solution using plastic scrub brushes;
- ✓ Following the detergent wash, equipment was rinsed with tap water; and
- ✓ As a final step, equipment was rinsed with distilled water and allowed to air dry.
- ✓ The clean equipment was transferred to the clean zone.
- ✓ Decontamination fluids and solutions were transferred to on-site drums for storage prior to disposal.

3.2.7 Waste Management

Equipment rinse water, extra soil sample material, and solid wastes such as personal protective equipment (PPE) were contained in drums and stored at a designated staging areas. All drums were appropriately labeled and logged on a drum inventory form. The wastes will be characterized and disposed of in accordance with applicable state and federal regulations.

3.2.8 Borehole Abandonment

All hand augered soil borings were abandoned by backfilling with hydrated bentonite chips. Each borehole was capped to match surrounding pavement.

3.3 PHASE 2 – INSTALLATION AND SAMPLING OF PERMANENT MONITORING WELLS

A total of four monitoring wells were installed during this contamination assessment – one within the chemical source area (TT-MW1), two down-gradient point-of-compliance wells (TT-MW2 and TT-MW3); and one up-gradient "background" well (TT-MW4). The wells were installed to depths of approximately 20 feet bgs. All wells were constructed and installed in accordance with FAC 62-532. The wells were developed, purged, and sampled for VOCs, TPH, beryllium, and

chromium. Three wells (source, up-gradient, and one down-gradient) were also analyzed for bioparameters to monitor the potential for natural attenuation.

The monitoring well locations are shown in Figure 3-3. A summary of the wells installed is presented in Table 3-3.

TABLE 3-3

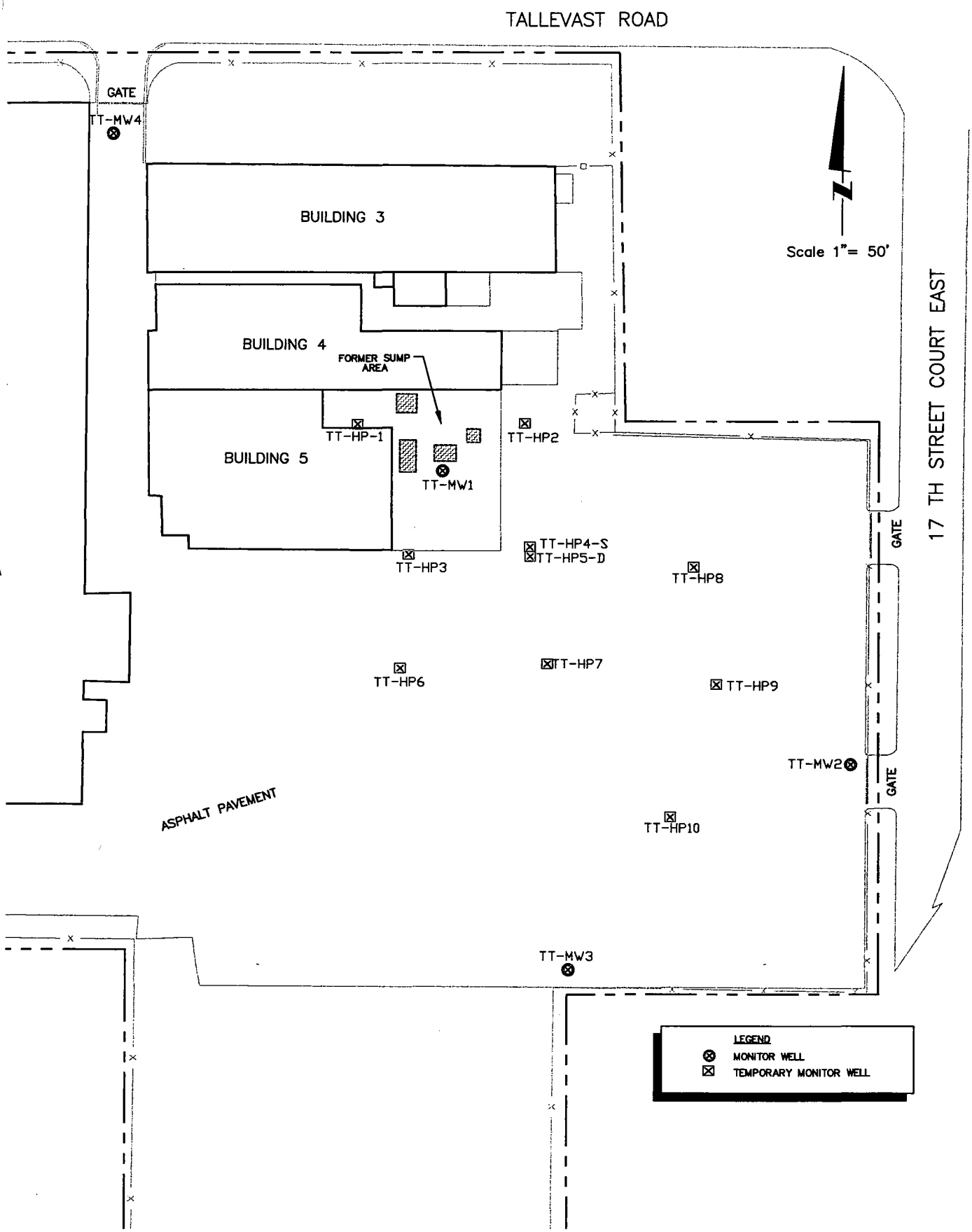
SUMMARY OF MONITORING WELLS

Monitoring Well	Location	Well Type	Well Depth	Groundwater Analyses
TT-MW1	Chemical source area	0.5-inch PVC	19'	VOC, TPH, beryllium, chromium, bioparameters
TT-MW2	Downgradient at eastern edge of property	2-inch PVC	19'	VOC, TPH, beryllium, chromium, bioparameters
TT-MW3	Downgradient at southern edge of property	2-inch PVC	19'	VOC, TPH, beryllium, chromium
TT-MW4	Upgradient well at northeast edge of property	2-inch PVC	19'	VOC, TPH, beryllium, chromium, bioparameters

3.3.1 Well Permits and Site Clearance

Prior to initiating the field activities, well permits were obtained from FDEP. Underground utility clearance was performed in accordance with the procedures described in Section 3.2.2.

Figure 3-3
Permanent Monitoring Well Locations



3.3.2 Drilling and Monitoring Well Construction

The monitoring well borings were completed using a drill rig fitted with 8-inch hollow stem augers to reach the desired well depth. A split-spoon sampler was used to collect samples at 5-foot intervals for on-site evaluation and lithological logging. In accordance with the CAP, no soil sampling for chemical analyses was performed.

Each of the wells were constructed using flush threaded, schedule 40 PVC well casing, and 0.02-inch slot well screen. At each of the wells, the well screen interval extended from 4 feet to 20 feet bgs. The annular space around the well screen from 3 to 20 feet bgs was filled with coarse-grained sand pack that is compatible with the slot size. Approximately 1.5 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 3-3.

TABLE 3-3

WELL CONSTRUCTION

Total Well Depth (feet)	Well Type	Well Screen Interval (feet)	Sand Pack Interval (feet)	Bentonite Seal Interval (feet)
20	Schedule 40 PVC	4 to 20	3 to 20	1.5 to 3

3.3.3 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. Three 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.

3.3.4 Well Purging and Sampling

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.

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 for analysis. The analyses performed on each groundwater sample are shown in Table 3-5.

TABLE 3-5

ANALYTICAL METHODS FOR MONITORING WELL SAMPLING

Analyte	Analytical Method
Total Petroleum Hydrocarbons (TPH)	FL-PRO
Volatile Organic Compounds (VOCs)	EPA 8260
Chromium	EPA 6010
Beryllium	EPA 6010
Bio-parameters	
- Nitrates	EPA 300.0
- Sulfates	EPA 300.0
- Methane	RSK 175M
- Alkalinity	SM2320B

3.3.5 Equipment Decontamination and Waste Management

Equipment decontamination was implemented in accordance with the procedures outlined in Section 3.2.6. Soil cuttings and wastewater generated during sampling and well purging activities followed the protocols outlined in Section 3.2.7.

Tab Position 4

Section 4
Data Presentation and Evaluation

A total of 35 soil samples and 14 groundwater samples were collected during this contamination assessment program. This section summarizes and evaluates the analytical results from the contamination assessment. Copies of all analytical data reports are presented in Appendix D.

4.1 SOIL ANALYTICAL DATA AT BUILDING 5 SUMP AREA

As outlined in Section 3, a total of 14 soil borings were completed around the former Building 5 sumps for VOC, TPH, chromium and beryllium analyses. Samples were collected at 3 and 6 feet bgs to assess the extent of impacted soil around the former sumps. A summary of the chemicals that were detected is presented in Table 4-1. The locations where each of the samples were collected are shown in Figure 4-1.

TABLE 4-1
SUMMARY OF CHEMICALS DETECTED IN SOIL
FORMER BUILDING 5 SUMPS

Sample No.	Location	Chemical	Concentration Detected	SCTL
TTSB1-3	North of Sump #4	TPH	18 mg/kg	2,500 mg/kg
TTSB1-6		Chromium TPH	12 mg/kg 2,000 mg/kg	38 mg/kg 2,500 mg/kg
TTSB2-3	West of Sump #4	No Chemicals Detected	Not Applicable	Not Applicable
TTSB2-6		Chromium	9.9 mg/kg	38 mg/kg

TABLE 4-1
SUMMARY OF CHEMICALS DETECTED IN SOIL
FORMER BUILDING 5 SUMPS
(Continued)

TTSB3-3	East of Sump #4	Beryllium	7.9 mg/kg	63 mg/kg
		Chromium	2.4 mg/kg	38 mg/kg
		TPH	9,400 mg/kg	2,500 mg/kg
TTSB3-6		sec-Butylbenzene	0.0099 mg/kg	No Standard
		tert-Butylbenzene	0.077 mg/kg	No Standard
		Isopropyl Benzene	0.0063 mg/kg	No Standard
		4-Isopropyl Toluene	0.012 mg/kg	No Standard
		Naphthalene	0.0087 mg/kg	1.7 mg/kg
		PCE	0.0099 mg/kg	0.03 mg/kg
		1,2,4-Trimethylbenzene	0.020 mg/kg	0.3 mg/kg
		1,3,5-Trimethylbenzene	0.0092 mg/kg	0.3 mg/kg
		Chromium	33 mg/kg	38 mg/kg
		TPH	7,800 mg/kg	2,500 mg/kg
TTSB4-3	North of Sump #3	Beryllium	5.8 mg/kg	63 mg/kg
		Chromium	2.8 mg/kg	38 mg/kg
		TPH	3,200 mg/kg	2,500 mg/kg
TTSB4-6		Chromium	3.2 mg/kg	38 mg/kg
		TPH	7,400 mg/kg	2,500 mg/kg
TTSB5-3	Northwest of Sump #6	Beryllium	180 mg/kg	63 mg/kg
		Chromium	46 mg/kg	38 mg/kg
TTSB5-6		Beryllium	6.9 mg/kg	63 mg/kg
		Chromium	21 mg/kg	38 mg/kg
TTSB6-3	Northeast of Sump #6	Naphthalene	0.0076 mg/kg	1.7 mg/kg
		Beryllium	140 mg/kg	63 mg/kg
		Chromium	12 mg//kg	38 mg./kg
		TPH	2,500 mg/kg	2,500 mg/kg
TTSB6-6		sec-Butylbenzene	0.0072 mg/kg	No Standard
		tert-Butylbenzene	0.049 mg/kg	No Standard
		1,1-DCA	0.070 mg/kg	0.4 mg/kg
		4-Isopropyltoluene	0.014 mg/kg	No Standard
		Naphthalene	0.022 mg/kg	1.7 mg/kg
		PCE	0.053 mg/kg	0.03 mg/kg
		Total Xylenes	0.0069 mg/kg	0.2 mg/kg
		1,2,4-Trimethylbenzene	0.045 mg/kg	0.3 mg/kg
		1,3,5-Trimethylbenzene	0.018 mg/kg	0.3 mg/kg
		Beryllium	29 mg/kg	63 mg/kg
		Chromium	48 mg/kg	38 mg/kg
		TPH	16,000 mg/kg	2,500 mg/kg

TABLE 4-1
SUMMARY OF CHEMICALS DETECTED IN SOIL
FORMER BUILDING 5 SUMPS
(Continued)

Sample No.	Location	Chemical	Concentration Detected	SCTL
TTSB7-3		Ethylbenzene	0.0071 mg/kg	0.6 mg/kg
		Beryllium	11 mg/kg	63 mg/kg
		Chromium	3.2 mg/kg	38 mg/kg
TTSB7-6		Total Xylenes	0.011 mg/kg	0.2 mg/kg
		Chromium	1.8 mg/kg	38 mg/kg
TTSB8-3	South of Sump #3	Beryllium	2.6 mg/kg	63 mg/kg
		Chromium	5.7 mg/kg	38 mg/kg
		TPH	1,000 mg/kg	2,500 mg/kg
TTSB8-6		Toluene	0.022 mg/kg	0.5 mg/kg
		Chromium	5.3 mg/kg	38 mg/kg
		TPH	43,000 mg/kg	2,500 mg/kg
TTSB9-3	Southeast of Sump #2	Chromium	3.4 mg/kg	38 mg/kg
		TPH	4,800 mg/kg	2,500 mg/kg
TTSB9-6		PCE	0.011 mg/kg	0.03 mg/kg
		Chromium	13 mg/kg	38 mg/kg
		TPH	6,700 mg/kg	2,500 mg/kg
TTSB10-3	South of Sump #6	Beryllium	1.5 mg/kg	63 mg/kg
		Chromium	4.6 mg/kg	38 mg/kg
		TPH	6,800 mg/kg	2,500 mg/kg
TTSB10-6		Beryllium	2.6 mg/kg	63 mg/kg
		Chromium	9.7 mg/kg	38 mg/kg
		TPH	6,200 mg/kg	2,500 mg/kg
TTSB11-3	West of Sump #6	Chromium	5.1 mg/kg	38 mg/kg
TTSB12-3	Southeast of Sump #3	Toluene	0.082 mg/kg	0.5 mg/kg
TTSB12-6		Chromium	2.7 mg/kg	38 mg/kg
TTSB13-3	South of sumps	Chromium	2.6 mg/kg	38 mg/kg
TTSB13-6		Beryllium	1.5 mg/kg	63 mg/kg
		Chromium	2.9 mg/kg	38 mg/kg
TTSB14-3	South of sumps	Chromium	1.9 mg/kg	38 mg/kg
TTSB14-6		Chromium	2.5 mg/kg	38 mg/kg
		Toluene	0.042 mg/kg	0.5 mg/kg

PCE – Tetrachloroethylene
TPH – Total Petroleum Hydrocarbons
Samples that exceeded Florida SCTLs are highlighted

4.1.1 Evaluation of VOC Data

Low concentrations of VOCs were detected in soil samples collected from borings TT-SB3, TT-SB6, TT-SB7, TT-SB8, TT-SB12, and TT-SB14. The detected VOCs include sec-butylbenzene, tert-butylbenzene, 1,1-DCA, 4-isopropyltoluene, naphthalene, PCE, xylenes, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene, and toluene. No VOCs were detected at concentrations above Florida SCTLs. Based on the data collected from this investigation, the extent of VOC impacted soil appears to have been delineated.

4.1.2 Evaluation of TPH Data

Based on the laboratory data, TPH compounds were detected in 14 of the 27 soil samples collected at the Building 5 sump area, with detected concentrations ranging from 18 to 43,000 mg/kg. As indicated in Table 4-1, ten soil samples reported TPH concentrations at or above the Florida SCTL of 2,500 mg/kg. The highest TPH concentrations were detected at TT-SB8, located south of former Sump No. 3. The outermost perimeter borings (TT-SB1, TT-SB2, TT-SB11, TT-SB14, TT-SB13, and TT-SB12) reported TPH concentrations below the Florida SCTL. Based on the data collected from this investigation, the extent of TPH impacted soil appears to have been delineated. The estimated lateral extent of TPH impacted soil is shown in Figure 4-1.

4.1.3 Evaluation of Beryllium Data

Beryllium was detected in 10 of the 27 soil samples collected at the Building 5 sump area, with detected concentrations ranging from 1.5 to 180 mg/kg. As indicated in Table 4-1, two soil samples reported beryllium concentrations above the Florida SCTL of 63 mg/kg. The beryllium exceedances were detected in the 3-foot soil samples from borings TT-SB5 and TT-SB6, located between former Sump No. 3 and Sump No. 6. Surrounding borings TT-SB1, TT-SB2, TT-SB3, TT-SB4 and TT-SB11 reported beryllium concentrations below the Florida SCTL. Based on the

data collected from this investigation, the extent of beryllium impacted soil appears to have been delineated. The estimated lateral extent of beryllium impacted soil is shown in Figure 4-1.

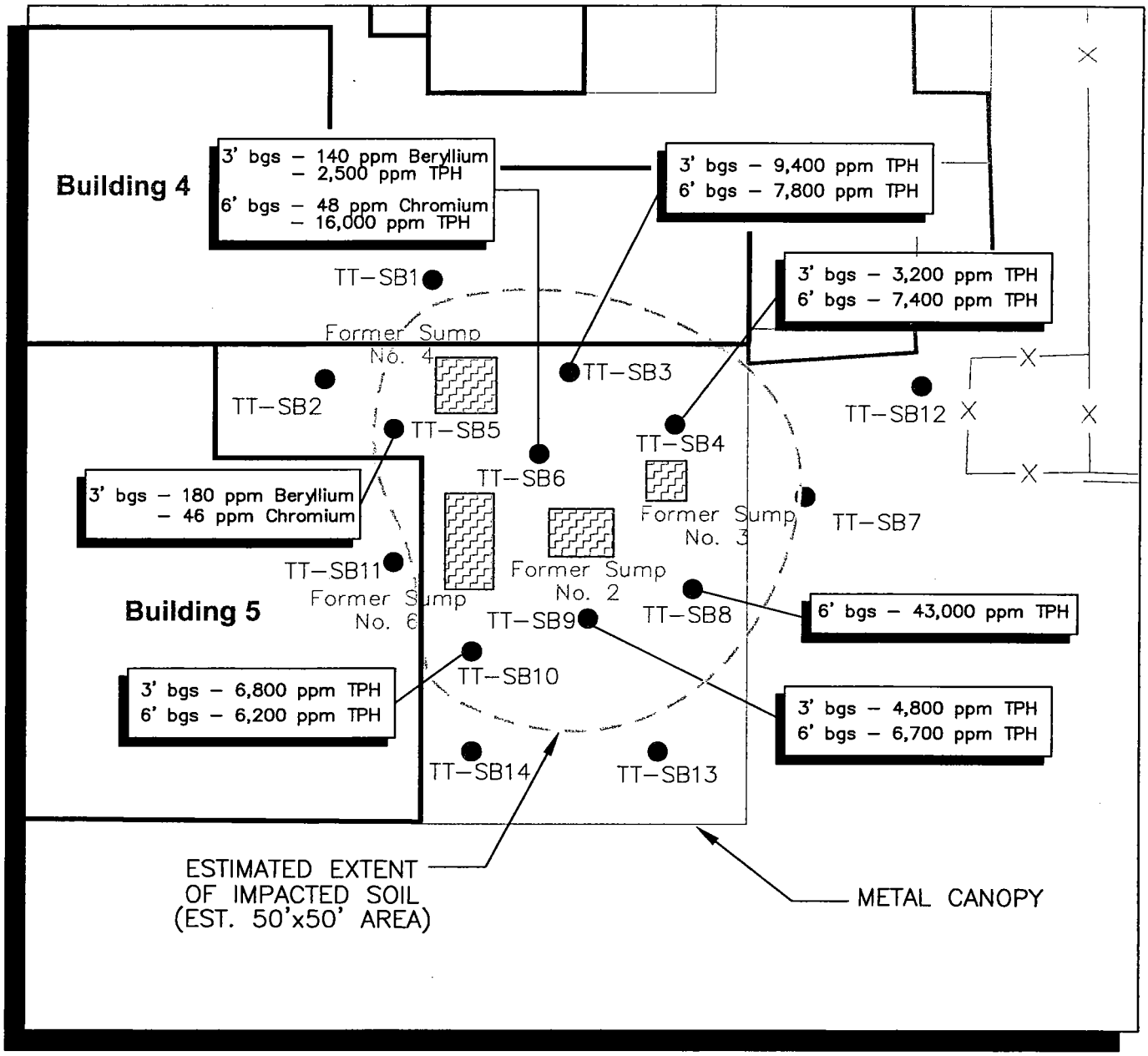
4.1.4 Evaluation of Chromium Data

Chromium was detected in 23 of the 27 soil samples collected at the Building 5 sump area, with detected concentrations ranging from 1.8 to 48 mg/kg. As indicated in Table 4-1, two soil samples reported chromium concentrations above the Florida SCTL of 38 mg/kg. The chromium exceedances were detected in soil samples from borings TT-SB5 and TT-SB6, located between former Sump No. 3 and Sump No. 6. Surrounding borings TT-SB1, TT-SB2, TT-SB3, TT-SB4 and TT-SB11 reported chromium concentrations below the Florida SCTL. Based on the data collected from this investigation, the extent of chromium impacted soil appears to have been delineated. The estimated lateral extent of chromium impacted soil is shown in Figure 4-1.

4.2 SOIL ANALYTICAL DATA AT FORMER EVAPORATION POND

As outlined in Section 3, a total of 4 soil borings were completed around the former evaporation pond for arsenic analysis. At each soil boring, a composited soil sample was collected at the 0 to 2 foot bgs depth interval, and a discrete sample was collected at 5 feet bgs. A summary of the soil analytical data at the former evaporation pond is presented in Table 4-2. Figure 4-2 illustrates the soil sampling locations and associated arsenic data.

Figure 4-1
Estimated Lateral Extent of Impacted Soil at Building 5 Sump Area



LEGEND

- SOIL BORING
- OPEN EXCAVATION

Note: Concentrations that exceeded FDEP SCTLs are shown on this figure. See table 4–1 for complete data set.

N

Scale 1"= 20'

Figure 4-2
Arsenic Data at Former Evaporation Pond

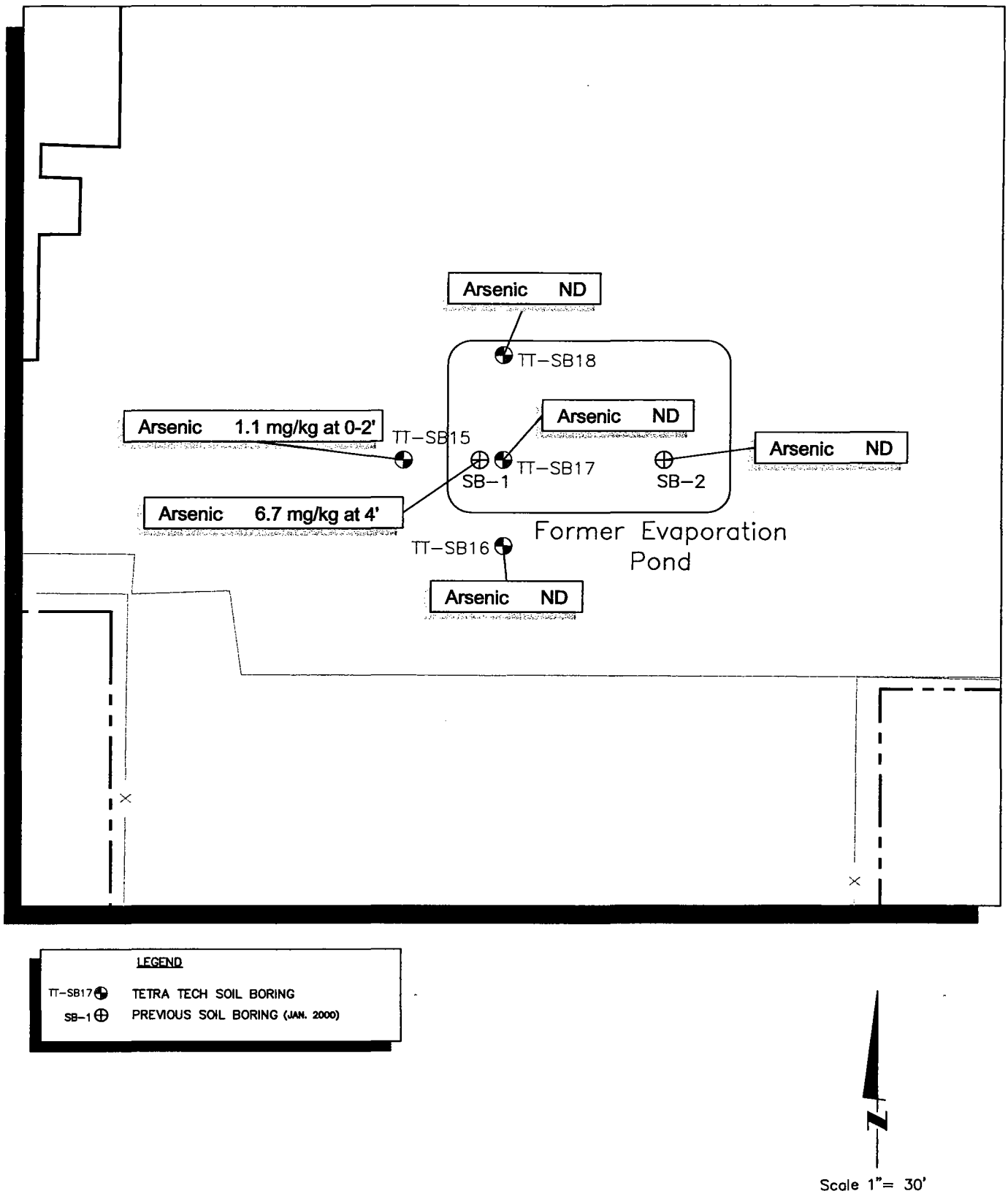


TABLE 4-2
SUMMARY OF SOIL ANALYTICAL DATA
FORMER EVAPORATION POND

Sample No.	Location	Chemical	Concentration Detected	SCTL
TTSB15-1-2	Former Evaporation Pond	Arsenic	1.1 mg/kg	3.7 mg/kg
TTSB15-5		Arsenic	ND	3.7 mg/kg
TTSB16-1-2	Former Evaporation Pond	Arsenic	ND	3.7 mg/kg
TTSB16-5		Arsenic	ND	3.7 mg/kg
TTSB17-1-2	Former Evaporation Pond	Arsenic	ND	3.7 mg/kg
TTSB17-5		Arsenic	ND	3.7 mg/kg
TTSB18-1-2	Former Evaporation Pond	Arsenic	ND	3.7 mg/kg
TTSB18-5		Arsenic	ND	3.7 mg/kg

As shown in Table 4-2, arsenic was detected in 1 of 8 soil samples collected at the former evaporation pond at a concentration of 1.1 mg/kg. The detected arsenic concentration is below the Florida SCTL of 3.7 mg/kg. Based on the data collected from this investigation, both the concentration and the extent of arsenic impacted soil appears to have been delineated.

4.3 GROUNDWATER ANALYTICAL DATA AT BUILDING 5 SUMP AREA

As outlined in Section 3, a total of 10 temporary monitoring wells and 4 permanent monitoring wells were installed and sampled at and down-gradient of the former Building 5 sump area. All groundwater samples were analyzed for VOC, TPH, chromium and beryllium analyses. Three monitoring wells were also analyzed for bio-parameters. A summary of the chemicals that were detected in the monitoring wells is presented in Tables 4-3 and 4-4. A summary of the bio-parameter data is presented in Table 4-5.

TABLE 4-3

SUMMARY OF CHEMICALS DETECTED IN GROUNDWATER

TEMPORARY MONITORING WELLS

Sample I.D.	Location	Chemical	Max. Detection	GCTL
TT-HP1	Upgradient of Bldg 5 sumps	1,1-DCA	170 ug/L	70 ug/L
		1,1-DCE	10 ug/L	7 ug/L
		PCE	5.4 ug/L	3 ug/L
		TCE	8 ug/L	3 ug/L
TT-HP2	40' northeast of Bldg 5 sumps	1,1-DCA	23 ug/L	70 ug/L
		cis-1,2-DCE	1.2 ug/L	70 ug/L
		PCE	1.5 ug/L	3 ug/L
		TCE	1.7 ug/L	3 ug/L
		Vinyl Chloride	4 ug/L	1 ug/L
		Chromium	1.2 ug/L	100 ug/L
TT-HP3	40' southwest of Bldg 5 sumps	Chloroethane	1.4 ug/L	No Standard
		1,1-DCA	330 ug/L	70 ug/L
		1,1-DCE	30 ug/L	7 ug/L
		cis-1,2-DCE	1.1 ug/L	70 ug/L
		PCE	1.4 ug/L	3 ug/L
		TCE	1.4 ug/L	3 ug/L
		Chromium	8.1 ug/L	100 ug/L
TT-HP4-S (collected at 8' bgs)	50' southeast (down-gradient) of Bldg 5 sumps	1,1-DCA	22 ug/L	70 ug/L
		cis-1,2-DCE	3.5 ug/L	7 ug/L
		PCE	2.8 ug/L	3 ug/L
		TCE	1 ug/L	3 ug/L
		Vinyl chloride	1.2 ug/L	1 ug/L
		Chromium	33 ug/L	100 ug/L
TT-HP5-D (collected at 18' bgs)	50' southeast (down-gradient) of Bldg 5 sumps	Dichlorodifluoromethane	130 ug/L	1400 ug/L
		1,1-DCA	51 ug/L	70 ug/L
		1,1-DCE	33 ug/L	7 ug/L
		cis-1,2-DCE	36 ug/L	70 ug/L
		Methylene chloride	53 ug/L	5 ug/L
		PCE	20 ug/L	3 ug/L
		TCE	1500 ug/L	3 ug/L
		Vinyl chloride	3.2 ug/L	1 ug/L
		Chromium	200 ug/L	100 ug/L
		Beryllium	9.9 ug/L	4 ug/L
TT-HP6	80' south of Bldg 5 sumps	1,1-DCA	56 ug/L	70 ug/L
		1,1-DCE	1.2 ug/L	7 ug/L
		cis-1,2-DCE	9.4 ug/L	70 ug/L
		PCE	1.3 ug/L	3 ug/L

TABLE 4-3
SUMMARY OF CHEMICALS DETECTED IN GROUNDWATER
TEMPORARY MONITORING WELLS
(continued)

Sample I.D.	Location	Chemical	Max. Detection	GCTL
TT-HP7	100' southeast (down-gradient) of Bldg 5 sumps	1,1-DCA	42 ug/L	70 ug/L
		1,1-DCE	8.1 ug/L	7 ug/L
		cis-1,2-DCE	22 ug/L	70 ug/L
		PCE	170 ug/L	3 ug/L
		TCE	13 ug/L	3 ug/L
		Toluene	1.8 ug/L	40 ug/L
		Total xylenes	1.9 ug/L	20 ug/L
TT-HP8	100' east of Bldg 5 sumps	1,1-DCA	53 ug/L	70 ug/L
		1,1-DCE	1.4 ug/L	7 ug/L
		PCE	40 ug/L	3 ug/L
		TCE	1.6 ug/L	3 ug/L
		Chromium	7.4 ug/L	100 ug/L
TT-HP9	120' southeast (down-gradient) of Bldg 5 sumps	1,1-DCA	6.2 ug/L	70 ug/L
		1,1-DCE	1.1 ug/L	7 ug/L
		cis-1,2-DCE	9 ug/L	70 ug/L
		PCE	82 ug/L	3 ug/L
		TCE	8.6 ug/L	3 ug/L
		Vinyl Chloride	1.5 ug/L	1 ug/L
		Chromium	11 ug/L	100 ug/L
TT-HP10	160' southeast (down-gradient) of Bldg 5 sumps	cis-1,2-DCE	1.7 ug/L	70 ug/L
		Chromium	87 ug/L	100 ug/L

Notes –
Noted distances in Column 2 are approximate
GCTL – Groundwater Cleanup Threshold Level
VOC – Volatile Organic Compounds
PCE – Tetrachloroethylene
TCE – Trichloroethylene
TCA - Trichloroethane
DCA - Dichloroethane
DCE – Dichloroethylene
TMB – 1,2,4-Trimethylbenzene

TABLE 4-4

SUMMARY OF CHEMICALS DETECTED IN GROUNDWATER

PERMANENT MONITORING WELLS

Monitoring Well No.	Location	Chemical	Concentration Detected	GCTL
TT-MW1	Chemical source Area	1,1-DCA	360 ug/L	70 ug/L
		1,1-DCE	42 ug/L	7 ug/L
		cis-1,2-DCE	8.8 ug/L	70 ug/L
		PCE	14 ug/L	3 ug/L
		TCE	56 ug/L	3 ug/L
		Vinyl Chloride	2.0 ug/L	1 ug/L
		Beryllium	10 ug/L	4 ug/L
		Chromium	31 ug/L	100 ug/L
		TPH	0.91 mg/L	No Standard
TT-MW2	Downgradient at eastern edge of property	1,1-DCA	18 ug/L	70 ug/L
		1,1-DCE	3.4 ug/L	7 ug/L
		cis-1,2-DCE	11 ug/L	70 ug/L
		Naphthalene	2.7 ug/L	20 ug/L
		PCE	130 ug/L	3 ug/L
		TCE	60 ug/L	3 ug/L
		1,2,4-Trimethylbenzene	2.7 ug/L	10 ug/L
		Vinyl Chloride	1.5 ug/L	1 ug/L
TT-MW3	Downgradient at southern edge of property	No Chemicals Detected	Not Applicable	Not Applicable
TT-MW4	Upgradient well at northeast edge of property	1,1-DCA	2.0 ug/L	70 ug/L
		TCE	5.6 ug/L	3 ug/L

GCTL – Groundwater Cleanup Threshold Level
PCE – Tetrachloroethylene
TCE – Trichloroethylene
DCA - Dichloroethane
DCE – Dichloroethylene
DCE – Dichloroethene

TABLE 4-5
SUMMARY OF BIO-PARAMETER DATA

Monitoring Well No.	Location	Nitrates	Sulfates	Alkalinity	Methane
TT-MW1	Chemical source area	1.6 mg/L	160 mg/L	65 mg/L	130 ug/L
TT-MW2	Downgradient at eastern edge of property	1.5 mg/L	110 mg/L	67 mg/L	65 ug/L
TT-MW3	Downgradient at southern edge of property	ND	37 mg/L	55 mg/L	1.9 ug/L
TT-MW4	Upgradient well at northeast edge of property	ND	380 mg/L	110 mg/L	19 ug/L

4.3.1 Evaluation of VOC Data

VOCs were detected in each of the 13 out of 14 groundwater samples that were collected at the site. The detected VOCs include chloroethane, dichlorodifluoromethane, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, methylene chloride, naphthalene, PCE, toluene, TCE, 1,2,4-trimethylbenzene, vinyl chloride, and xylenes. As indicated in Table 4-3, the highest VOC concentrations were detected in TT-MW1, located at the midpoint of the former sump area, and in TT-HP5-D, located approximately 30 feet down-gradient of the sumps.

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, which corresponds to the base of the water-bearing zone. 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 indicates that some VOCs that are denser than water have migrated to the base of the aquifer near the source area.

VOCs were detected above the FDEP GCTLs in 8 of the 10 temporary wells and 3 of the 4 permanent wells. Well TT-MW2 located down-gradient at the southeast property boundary reported PCE (130 µg/L), TCE (60 µg/L), and vinyl chloride (1.5 µg/L) above the GCTLs, indicating that VOCs may have migrated further down-gradient. VOCs were also detected near the north / northeast property boundary, based on data collected from wells TT-HP-2, TT-HP-8,

and TT-MW4. No VOCs were detected in the groundwater sample from monitoring well TT-MW3, located at the south property boundary. Figure 4-3 presents the estimated known lateral distribution of VOCs in groundwater.

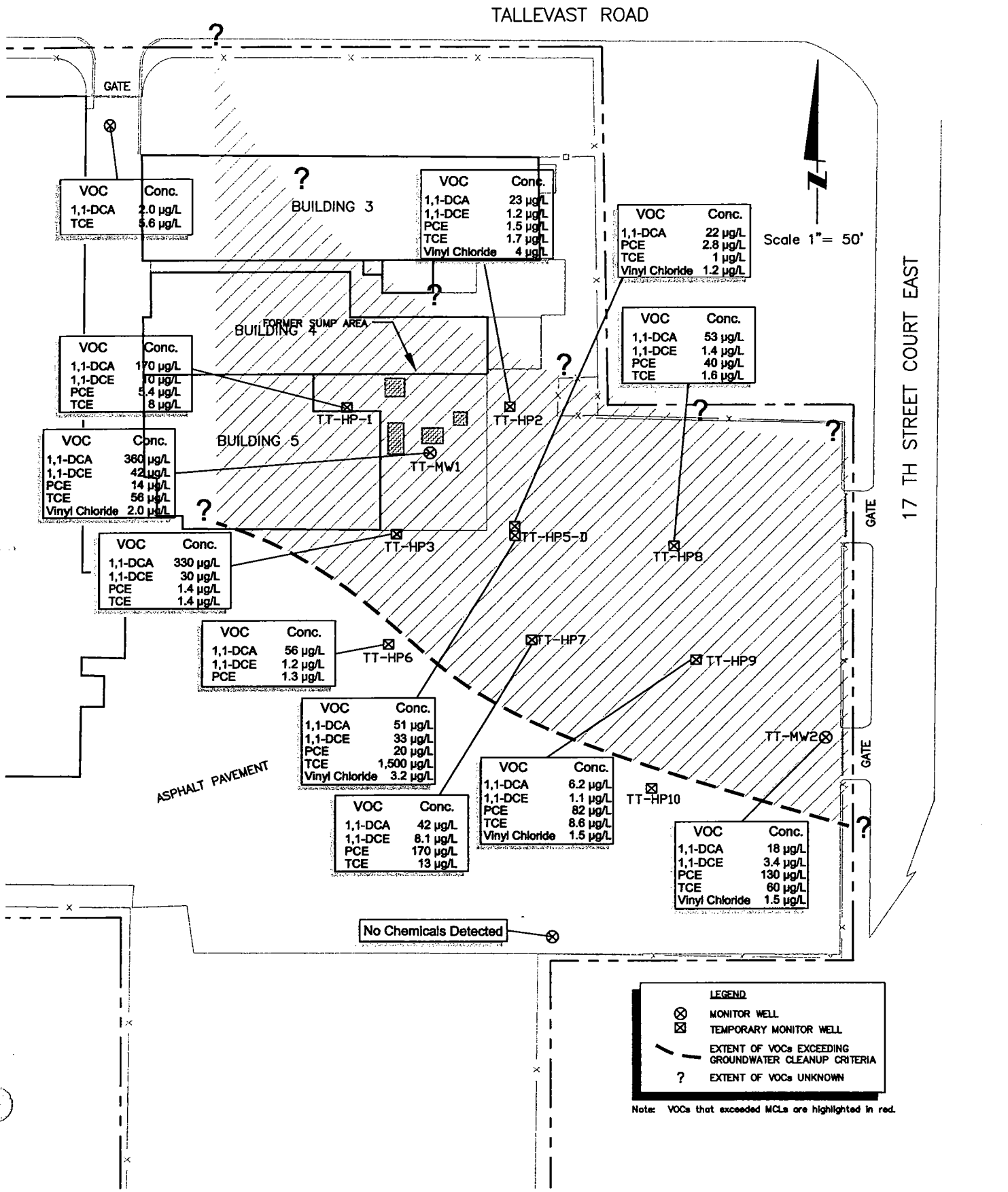
4.3.2 Evaluation of TPH and Metals Data

TPH compounds were detected in only one groundwater sample collected during the contamination assessment. TPH was detected at a concentration of 0.91 mg/L from monitoring well TT-MW1, located at the sump area. Currently, no FDEP groundwater screening level is available for TPH.

Beryllium was detected in two of 14 groundwater samples collected during the contamination assessment. Beryllium was detected at concentrations of 10 and 9.9 µg/L from monitoring well TT-MW1 and TT-HP5-D, which are both located at the sump area. The detected concentrations exceed the FDEP groundwater screening level of 4 µg/L. All surrounding groundwater samples reported non-detectable concentrations of beryllium.

Chromium was detected in eight of 14 groundwater samples collected during the contamination assessment. Chromium was detected at concentrations ranging from 1.2 to 200 µg/L. The highest chromium concentrations were detected from monitoring well TT-MW1 and TT-HP5-D, which are both located at the sump area. Chromium exceeded the FDEP GCTL of 100 µg/L only in the sample from monitoring well TT-HP5-D, located immediately southeast of the sump area. All surrounding groundwater samples reported chromium concentrations below the GCTLs.

Figure 4-3
Estimated Lateral Extent of VOC Impacted Groundwater at Building 5 Area



Tab Position 5

Section 5
Conclusions and Recommendations

A contamination assessment program was completed at Lockheed Martin's former ABC facility in Sarasota, Florida. The contamination assessment was conducted to evaluate the extent of TPH, VOCs and metals previously detected in soil and groundwater at the site. Fourteen soil borings were completed to evaluate the extent of TPH, VOCs, and metals in the soil around the former Building 5 sumps. Four soil borings were completed at the former evaporation pond to evaluate the extent of arsenic in the soil. Fourteen 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.

5.1 CHEMICALS IN SOIL AT BUILDING 5 SUMP AREA

TPH compounds, VOCs, and metals were detected above FDEP SCTLs at the Building 5 sump area. Based on data from the 14 soil borings completed during this contamination assessment, the vertical and lateral extent of all chemicals of concern in the soil appears to have been delineated. The extent of impacted soil appears to be localized primarily within the Building 5 canopy area. The subsurface soil beneath the adjacent building structures (Buildings 4 and 5) does not appear to be significantly impacted with chemicals. Based on the data, soil containing chemicals above FDEP screening levels appears to encompass an area of approximately 50 feet long, 50 wide, and 6 feet deep.

To mitigate the potential for chemicals in soil serving as a potential continuing source to groundwater contamination, a limited soil removal action is recommended. Soil excavation should be limited to the area of the Building 5 canopy area. No excavation would be conducted beneath

building structures and footings. The technical approach and methodology to conduct the soil excavation program will be outlined in an Interim Remedial Action Plan (IRAP).

5.2 ARSENIC IN SOIL AT FORMER EVAPORATION POND

In January 2000, a soil sample collected at 4 feet bgs at the former evaporation pond detected arsenic levels at 6.7 mg/kg, which exceeded the FDEP SCTL of 3.7 mg/kg. Based on the four soil borings completed during this contamination assessment, no arsenic was detected above the SCTLs. Because elevated arsenic concentrations were detected only in a single, isolated soil sample, no further action is recommended at the former evaporation pond.

5.3 CHEMICALS IN GROUNDWATER AT BUILDING 5

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 in the immediate vicinity of the former sumps. However, VOCs were detected above GCTLs in groundwater samples collected near the southeast (down-gradient), north, and northeast property boundaries. Based on the analytical data, VOCs may be migrating off-site of the former ABC facility.

To determine the extent of VOCs in groundwater, further groundwater investigation is recommended. The investigation should include collection of grab groundwater samples (through hydropunching or temporary wells) to evaluate the extent of groundwater impacts, and installation of additional monitoring wells for potential long-term monitoring. Groundwater samples should be collected to evaluate both the lateral and vertical distribution of VOCs. The technical approach and methodology to conduct additional groundwater investigation will be outlined in a Technical Work Plan. Based on the results of delineation of the VOCs in groundwater, the requirement and extent of further remediation will be determined.

Tab Position 6

Section 6
References

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

2. Florida Department of Environmental Protection, Water Well Permitting and Construction Requirements, Chapter 62-532, 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 Target Levels (SCTLs) for Chapter 62-777, F.A.C., May 26, 1999.

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

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

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

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

9. Tetra Tech, Inc., Contamination Assessment Plan, Former American Beryllium Company. September 25, 2000.

Tab Position 7

Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

June 7, 2000

Gene S. Matsushita
Lockheed Martin Corporation
Corporate Environment, Safety & Health – Baltimore Office
100 S. Charles Street, Suite 1400
Baltimore, MD 21201

RE: Former American Beryllium Company
1601 Tallevast Road, Manatee County

Dear Mr. Matsushita:

The Department has reviewed the Contamination Notification dated January 28, 2000 and the Phase I Environmental Assessment dated February 7, 2000 prepared by Tetra Tech, and has the following comments.

1. A comprehensive contamination assessment is needed to address the detection of solvents and metals in the ground water at the subject site.

2. Source area investigations should also be conducted at the former AST and UST areas southeast of Building 1, at the location of the unlined pit used for disposal of acid baths, and at the former evaporation pond.

3. Please note, the Contamination Notification indicated that a follow-up report would be prepared with details of the discovery. This report should be submitted to the Department within 30 days of receipt of this letter.

Please submit a Contamination Assessment Plan (CAP) within 60 days of receipt of this correspondence regarding the detected solvents and metals. Enclosed, please find the Corrective Actions for Contamination Site Cases to use as guidance in preparing the CAP. You may reach me at (813) 744-6100 extension 422 if you have any questions on this matter.

Sincerely,

Tracy McBee
Environmental Specialist I
Waste Cleanup Section

Enclosure: (1) Corrective Actions for Contamination Site Cases

Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

August 24, 2000

Gene S. Matsushita
Lockheed Martin Corporation
Corporate Environment, Safety, & Health – Baltimore Office
100 South Charles Street, Suite 1400
Baltimore, MD 21201

Re: Contamination Discovery Report (CDR) dated 7/7/00
Preliminary Site Investigation (PSI) Report dated 10/20/97
Former American Beryllium Company
1600 Tallevast Road, Manatee County

Dear Mr. Matsushita:

The Department has reviewed the above referenced documents prepared by Tetra Tech, and has the following comments.

1. Contrary to the text in the CDR, arsenic (5 mg/kg) was detected above its SCTL at the former Evaporation Pond (SB-11B) in the PSI report. In addition, sample SB-2 collected on January 12, 2000 had an arsenic concentration of 6.7 mg/kg and a beryllium concentration of 7.0 mg/kg. Please note that the report did not indicate where samples SB-1 and SB-2 were collected.

2. Contrary to Table 3 that indicates that all soil VOC concentrations were below SCTLs, the contaminant concentrations should also have been compared to soil leachability SCTLs (such as tetrachloroethene at 0.11 in Sump6-North compared to 0.03 mg/kg). Also, the VOC compounds and their concentrations need to be indicated in Table 3.

3. In addition to the Building 5 sump areas, the agreed upon Contamination Assessment Plan (CAP) should also address the arsenic and beryllium detected in the soil and the metals and VOCs that were previously detected at the Evaporation Pond.

Please respond to these comments and submit a CAP within 30 days of receipt of this correspondence. You may contact me at (813) 744-6100, extension 422 if you have any questions on this matter.

Sincerely,

Tracy A. McBee

Tracy McBee
Environmental Specialist
Waste Cleanup Section

Cc: Dan Batnick, Tetra Tech

Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

November 7, 2000

Gene S. Matsushita
Project Manager, Lockheed Martin Corporation
Corporate Energy, Environment, Safety & Health
Redlands Project Office
3403 10th Street, 7th Floor
Riverside, CA 92501

Re: Contamination Assessment Plan (CAP) approach 9/21/00
Former American Beryllium Company
1600 Tallevast Road, Manatee County

Dear Mr. Matsushita:

The Department has reviewed the September 25, 2000 Contamination Assessment Plan (CAP) prepared by Tetra Tech, Inc. The Department conditionally approves the CAP, provided that the following items are incorporated into the Contamination Assessment Report (CAR):

1. The report does not have the required Professional Geologist or Professional Engineer certification. Heather Vick, P.G., is shown on the cover page as the technical reviewer, but there is no sealed certification page with an attesting review statement. Please provide a properly certified and sealed cover page for this document.
2. The metal chromium was detected in the Bldg. 5/Sump 4 soil sample at 75 mg/kg, which is above the Departments risk-based leachability value of 38 mg/kg. Sampling for Chromium should be included in confirmatory samples after soil excavation and reported in the Contamination Assessment Report (CAR).
3. Please include the sampling results from Bldg. 5/Sump5. No information was included in any table in the current submittal.
4. Please include sampling results for TMW-1, if available. Please provide information if no sample for groundwater was collected.
5. Please provide documentation of the 18-foot deep monitoring well abandonment in July 1987, if available.
6. The sub-heading *October 1999 Updated Data Evaluation* reported that soil samples within Building 5 detected acetone frequently at low concentrations. Although this is attributed to laboratory contamination, another appearance of acetone will require further investigation.
7. In the Table 3-1; Phase I Sampling Approach; please note that the soil sample for arsenic in the evaporation pond should be collected above the depth of 2 feet. It may be beneficial to composite the 0-1 foot and 1-2 foot samples.

[illegible]

8. A hydropunch/geoprobe should be added up-gradient of Building 5 as background. This could possibly be placed in the same location of the upgradient well (MW-4), or further south approximately between Building 4 and Building 1.
9. It may be beneficial to perform vertical delineation at the locations of MW-1 and MW-2. All wells should be surveyed for location and top-of-casing elevation by a registered Professional Land Surveyor to enable preparation of an accurate groundwater flow contour map.
10. Oxidation-reduction potential (ORP) should be added to the list of field parameters to help with an evaluation of the potential for natural attenuation of site contaminants.
11. Please be aware that the drilling and sampling collection technique, direct-push, will displace 'minimal' soil cuttings, which should be addressed. Please provide the soil lithology logs for all boring and well locations. Please be sure that the samples are collected in approved containers, unless the laboratory accepts these types of soil samples. Please also include all relevant disposal manifests.
12. In table 3-1, please indicate if the laboratory VOC analysis is for groundwater samples, soil samples, or both.
13. A well may be needed between MW-1 and MW-2 or MW-1 and MW-3, dependent of the groundwater flow direction to determine the extent of possible groundwater contamination prior to it reaching an area near the site boundary where MW-2 and MW-3 are placed.
14. Please note that the South West Florida Water Management District (SWFWMD) approves well permits, not the FDEP.
15. Please provide well construction information in table format upon completion. This should include total depth, screened interval, riser length, and top of casing survey information.
16. When collecting groundwater samples for metals, use only unfiltered "quiescent" sampling technique.

Please provide the Department notification of schedules for site work. The Contamination Assessment Report (CAR) should be submitted within 45 days of completion of tasks proposed in the CAP. You may contact Michael Gonsalves at (813) 744-6100 ext. 376 if you have any questions on this matter.

Sincerely,

Michael Gonsalves
Professional Geologist II
Waste Cleanup Section
FDEP SWD

Cc: Dan Batrack, Tetra Tech

TETRA TECH, INC.
670 North Rosemead Boulevard
Pasadena, CA 91107
Telephone (626) 351-4664
FAX (626) 351-8126

January 4, 2001

Mr. Michael Gonsalves
Florida Department of Environmental Protection
Waste Cleanup Section
3804 Coconut Palm Drive
Tampa, FL 33619

Subject: Contamination Assessment Plan (CAP), dated September 25, 2000
Response to Florida Department of Environmental Protection Comments
dated November 7, 2000

Dear Mr. Gonsalves:

On behalf of Lockheed Martin, Tetra Tech has received and reviewed Florida Department of Environmental Protection's (FDEP) letter dated November 7, 2000 regarding the Contamination Assessment Plan (CAP), dated September 25, 2000, for the former American Beryllium Company facility in Tallevast, Florida. The CAP presents the basis, rationale, and methodology to assess petroleum hydrocarbons, volatile organic compounds, and metals detected in soil and groundwater at the site.

After review of FDEP's letter, we have prepared a list and response to each of the comments.

1. FDEP's Comment #1: *The report does not have the required Professional Geologist or Professional Engineer certification. Heather Vick, P.G., is shown on the cover page as the technical reviewer, but there is no sealed certification page with an attesting review statement. Please provide a properly certified and sealed cover page for this document.*

   Response: A certified and sealed cover page signed by Ms. Heather Vick, P.G., was submitted to FDEP on December 20, 2000.

2. FDEP's Comment #2: *The metal chromium was detected in the Bldg. 5 / Sump 4 soil sample at 75 mg/kg, which is above the Department's risk-based leachability value of 38 mg/kg. Sampling for Chromium should be included in confirmatory samples after soil excavation and reported in the Contamination Assessment Report (CAR).*

Response: As presented in Section 3.2.1 and Table 3-1 (see page 3-3), each of the soil samples collected in the vicinity of Building 5 will be analyzed for chromium using EPA Method 6010B. The soil sampling approach is presented in Table 3-1 of the CAP.

3. FDEP's Comment #3: *Please include the sampling results from Bldg. 5 / Sump 5. No information was included in any table in the current submittal.*

   Response: The sampling results from Bldg. 5 / Sump 5 are shown in Table 2-1 under sample number SB17-4 (see page 2-9).

4. FDEP's Comment #4: *Please include the sampling results for TMW-1, if available. Please provide information if no sample for groundwater was collected.*

   Response: TMW-1 was used for groundwater elevation measurements only. No samples were collected from TMW-1 for chemical analyses.

5. FDEP's Comment #5: *Please provide documentation of the 18-foot deep monitoring well abandonment in July 1987, if available.*

   Response: No documentation is available regarding abandonment of the 18-foot monitoring well formerly located adjacent to the evaporation pond.

6. FDEP's Comment #6: *The sub-heading October 1999 Updated Data Evaluation reported that soil samples within Building 5 detected acetone frequently at low concentrations. Although this is attributed to laboratory contamination, another appearance of acetone will require further investigation.*

   Response: The presence of acetone will be evaluated if detected concentrations warrant further investigation.

7. FDEP's Comment #7: *In the Table 3-1: Phase I Sampling Approach, please note that the soil sample in the evaporation pond should be collected above the depth of 2 feet. It may be beneficial to composite the 0-1 foot and 1-2 foot samples.*

   Response: As requested by FDEP, samples will be collected and composited at the two depth intervals described above. The composited sample will replace the discrete 2 feet bgs sample that was originally proposed in the CAP.

8. FDEP's Comment #8: *A hydropunch / geoprobe should be added up-gradient of Building 5 as background. This could possibly be placed in the same location of the upgradient well (MW-4), or further south approximately between Building 4 and Building 1.*

   Response: The proposed upgradient monitoring well (MW-4) should adequately provide the requested background groundwater data. Furthermore, a geoprobe / hydropunch location is proposed upgradient of the sump area between Buildings 4 and 5, as shown in Figure 3-2 (see page 3-5).

9. FDEP's Comment #9: *It may be beneficial to perform vertical delineation at the locations of MW-1 and MW-2. All wells should be surveyed for location and top-of-casing elevation by a registered Professional Land Surveyor to enable preparation of an accurate groundwater flow contour map.*

   Response: As requested by FDEP, vertical delineation of chlorinated VOCs will be conducted at well MW-1. Based on the results of sampling at MW-1, additional vertical delineation may be conducted at down-gradient wells MW-2 and MW-3. Sampling intervals will be based on the Phase I hydropunching data. In addition, all wells will be surveyed by a registered Professional Land Surveyor.

10. FDEP's Comment #10: *Oxidation-reduction potential (ORP) should be added to the list of the field parameters to help with an evaluation of the potential for natural attenuation of site contaminants.*

    Response: As requested by FDEP, monitoring well samples will be analyzed for ORP to further evaluate natural attenuation of groundwater contaminants.

11. FDEP's Comment #11: *Please be aware that the drilling and sampling collection technique, direct-push, will displace 'minimal' soil cuttings, which should be addressed. Please provide the soil lithology logs for all boring and well locations. Please be sure that the samples are collected in approved containers, unless the laboratory accepts these types of soil samples. Please also include all relevant disposal manifests.*

    Response: Investigation derived wastes will be managed in accordance with the procedures outlined in Section 3.2.7 of the CAP. Waste disposal manifests, as well as soil boring logs and well construction diagrams, will be provided in the CAR. Samples will be collected in approved containers.

12. FDEP's Comment #12: *In Table 3-1, please indicate if the laboratory VOC analysis is for groundwater samples, soil samples, or both.*

    Response: As presented in Table 3-1, each of the groundwater samples will be analysed for VOCs, TPH, beryllium, and chromium. Table 3-1 identifies the media and analytical scheme for all Phase I samples (see 2nd column titled "Sampling Media" on page 3-3).

13. FDEP's Comment #13: *A well may be needed between MW-1 and MW-2 or MW-1 and MW-3, dependent of the groundwater flow direction to determine the extent of possible groundwater contamination prior to it reaching an area near the site boundary where MW-2 and MW-3 are placed.*

    Response: At this time, four wells are proposed to be install as indicated in the CAP. The hydropunch data will be used to estimate extent of impacted groundwater at the site. The two down-gradient wells (MW-2 and MW-3) at the property edges will be used for point-of-compliance monitoring, while the well installed at the chemical source (MW-1) will be monitored for natural attenuation.

14. FDEP's Comment #14: *Please note that the South West Florida Water Management District (SWFWMD) approves well permits, not the FDEP.*

    Response: Well permits will be obtained from SWFWMD.

15. FDEP's Comment #15: *Please provide well construction information in table format upon completion. This should include total depth, screened interval, riser length, and top of casing survey information.*

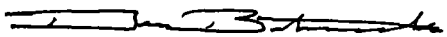
    Response: Well construction data will be provided in tabular format in the CAR.

16. FDEP's Comment #16: *When collecting groundwater samples for metals, use only unfiltered "quiescent" sampling technique.*

    Response: As requested by FDEP, unfiltered samples will be collected for metals analyses.

If you have any questions regarding Tetra Tech's response of FDEP's letter dated November 7, 2000, please contact me at (626) 351-4664 or (206) 587-4655.

Sincerely,



Dan Batrack
Program Manager
Tetra Tech, Inc.

cc: Gene Matsushita, Lockheed Martin
Nisha Bansal, Tt Engineering
Phil Skorge, Tt Engineering

Tab Position 8

TETRA TECH BORING LOG

BORING I.D. No. TT-HP-4

CLIENT Lockheed Martin **T.C.** 11225-02 **LOCATION** Sarasota, FL **DATE** 1/31/01

DRILL METHOD Geoprobe **AUGER DIAMETER** 2-inch **FIELD GEOLOGIST** Phil Skorge

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0					SP	SAND - Dark Gray, poorly graded fine sand,trace fines, moist.
5						Sand as above, color change to Light Yellowish Brow.
						Groundwater encountered at 6.5' bgs.
						Sand as above, color change to Light Gray, wet.
						TOTAL DEPTH: 8 foot. Borehole converted into 1-inch diameter temporary groundwater monitoring well.
10						
15						
20						
25						
30						
35						
40						

REVIEWING GEOLOGIST Gary Braganza **SIGNATURE** Gary Braganza **REG. NO.** 1522

TETRA TECH BORING LOG

BORING I.D. No. TT-HP-5D

CLIENT Lockheed Martin **T.C.** 11225-02 **LOCATION** Sarasota, FL **DATE** 1/31/01

DRILL METHOD Geoprobe **AUGER DIAMETER** 2-inch **FIELD GEOLOGIST** Phil Skorge

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0					SP	SAND - Grayish Brown, poorly graded fine sand,trace fines, moist.
						Sand as above, color change to Light Gray.
						Sand as above, color change to Light Yellowish Brown,
5						
						Groundwater encountered at 6.5' bgs.
						Sand as above, color change to Dark Brown, wet.
						Sand as above, color change to Black, high organic content, wet.
10						
						Sand as above, color change to Dark Brown.
15						
					SC	CLAYEY SAND - Yellowish Brown, 15% fines.
					CL	SANDY CLAY - Yellowish Brown, low plasticity, 30 to 40% fine sand, moist.
					SP	SAND - Light Yellowish Brown, poorly graded fine sand.
20						TOTAL DEPTH: 20 foot. Borehole converted into 1-inch diameter temporary groundwater monitoring well.
25						
30						
35						
40						

REVIEWING GEOLOGIST Gary Braganza **SIGNATURE** [signature] **REG. NO.** 1822

TETRA TECH BORING LOG

BORING I.D. No. TT-HP-7

CLIENT Lockheed Martin **T.C.** 11225-02 **LOCATION** Sarasota, FL **DATE** 1/31/01

DRILL METHOD Geoprobe **AUGER DIAMETER** 2-inch **FIELD GEOLOGIST** Phil Skorge

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0					SP	SAND - Dark to Light Gray, poorly graded fine sand,moist.
5						Sand as above, color change to Very Pale Yellow.
						Groundwater encountered at 6.5' bgs. Sand as above, color change to Brownish Gray, wet.
10						TOTAL DEPTH: 8 foot. Borehole converted into 1-inch diameter temporary groundwater monitoring well.
15						
20						
25						
30						
35						
40						

REVIEWING GEOLOGIST Gary Braganza **SIGNATURE** [signature] **REG. NO.** 1822

TETRA TECH BORING LOG

BORING I.D. No. TT-HP-9

CLIENT Lockheed Martin **T.C.** 11225-02 **LOCATION** Sarasota, FL **DATE** 1/31/01

DRILL METHOD Geoprobe **AUGER DIAMETER** 2-inch **FIELD GEOLOGIST** Phil Skorge

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0					SP	SAND - Grayish Brown, poorly graded fine sand,trace fines, moist.
						Thin layer of Light Gray beach sand.
						Sand as above, color change to Light Yellowish Brow.
5						
						Groundwater encountered at 6.5' bgs.
						Sand as above, color change to Black, wet.
						TOTAL DEPTH: 8 foot. Borehole converted into 1-inch diameter temporary groundwater monitoring well.
10						
15						
20						
25						
30						
35						
40						

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

TETRA TECH BORING LOG

BORING I.D. No. TT-HP-10

CLIENT Lockheed Martin **T.C.** 11225-02 **LOCATION** Sarasota, FL **DATE** 1/31/01

DRILL METHOD Geoprobe **AUGER DIAMETER** 2-inch **FIELD GEOLOGIST** Phil Skorge

DEPTH (feet)	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION
0					SW	SAND - Light Gray, well graded fine to coarse sand,trace fines, shell fragments,moist.
					SP	SAND - Light Gray, poorly graded fine sand.
						Sand as above, color change to Light Yellowish Brow.
5						
						Groundwater encountered at 6.5' bgs.
						Sand as above, color change to Black, wet.
						TOTAL DEPTH: 8 foot. Borehole converted into 1-inch diameter temporary groundwater monitoring well.
10						
15						
20						
25						
30						
35						
40						

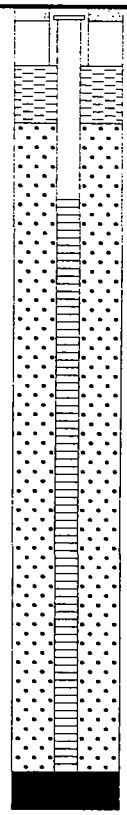
REVIEWING GEOLOGIST Gary Braganza **SIGNATURE** [signature] **REG. NO.** 1822

TETRA TECH BORING LOG

BORING I.D. No. *TT-MW1*

CLIENT *Lockheed Martin* **T.C.** *11225-02* **LOCATION** *Sarasota, FL* **DATE** *2/1/2001*

DRILL METHOD *Hollow Stem Auger* **AUGER DIAMETER** *8 inches* **FIELD GEOLOGIST** *Phil Skorege*

DEPTH (feet)	Water Depth	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0						SP	4" Concrete pad. 2" PVC blank pipe from 0-5 feet bgs Base	
5	▼						2" 0.02 slot screen pipe from 5-20 feet bgs. Fine Sand, Dark brown, well sorted, moist, with solvent/ petroleum odor, 4" layer of white beach sand at 3' bgs.	
							Sand, Color change to light tan, wet.	
10								
15							Sand, Color change to black, with root intrusions.	
							Sand, Color change to brownish black.	
20							TD= 21 feet. Ground water encountered at 6.5 ft. bgs.	
25								
30								
35								
40								

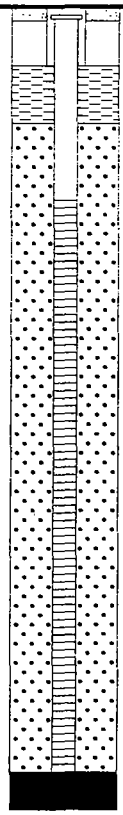
REVIEWING GEOLOGIST GARY BRAGANZA **SIGNATURE** [signature] **REG. NO.** PG 1872

TETRA TECH BORING LOG

BORING I.D. No. *TT-MW2*

CLIENT *Lockheed Martin* **T.C.** *11225-02* **LOCATION** *Sarasota, FL* **DATE** *2/9/2001*

DRILL METHOD *Hollow Stem Auger* **AUGER DIAMETER** *8 inches* **FIELD GEOLOGIST** *Phil Skorege*

DEPTH (feet)	Water Depth	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0						SP	4" Concrete pad. 2" PVC blank pipe from 0-5 feet bgs.	
5	▼						0'-5' Dark brown fine sand. 2" 0.02 slot screen pipe from 5-20 feet bgs.	
10							5'-10' Grey, dark brown fine sand.	
15							10'-15' Brown fine sand	
20							15'-20' Dark brown fine sand. TD= 21 feet. Ground Water encountered at 6.5 ft. bgs.	
25								
30								
35								
40								

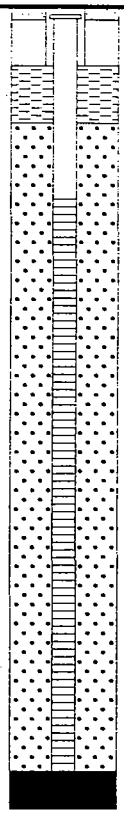
REVIEWING GEOLOGIST GARY BRAGANZA **SIGNATURE** [signature] **REG. NO.** 1822

TETRA TECH BORING LOG

BORING I.D. No. *TT-MW3*

CLIENT *Lockheed Martin* **T.C.** *11225-02* **LOCATION** *Sarasota, FL* **DATE** *2/9/2001*

DRILL METHOD *Hollow Stem Auger* **AUGER DIAMETER** *8 inches* **FIELD GEOLOGIST** *Phil Skorege*

DEPTH (feet)	Water Depth	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0						SP	4" Concrete Pad 2" PVC blank pipe from 0-5 feet bgs.	
5	▼						0'-5' Dark brown fine sand. 2" 0.02 slot screen pipe from 5-20 feet bgs.	
10							Grey, Dark Brown fine sand.	
15							Brown fine sand.	
20							Dark brown fine sand. TD= 21 feet bgs. Ground water encountered at 6.5 ft. bgs.	
25								
30								
35								
40								

REVIEWING GEOLOGIST GARY BRAGANZA **SIGNATURE** [signature] **REG. NO.** 1822

TETRA TECH BORING LOG

BORING I.D. No. *TT-MW4*

CLIENT *Lockheed Martin* **T.C.** *11225-02* **LOCATION** *Sarasota, FL* **DATE** *2/8/01*

DRILL METHOD *Hollow Stem Auger* **AUGER DIAMETER** *8 inches* **FIELD GEOLOGIST** *Phil Skorege*

DEPTH (feet)	Water Depth	BLOW COUNT	OVA (ppm)	SAMPLE	GRAPHIC COLUMN	USCS	GEOLOGIC DESCRIPTION	WELL DESIGN
0						SP	4" Concrete pad. 2" PVC blank pipe from 0-5 ft. bgs.	
5	▼						Pale brown dry sand. 2" 0.02 slot screen pipe from 4-19' bgs.	
10							Moist dark brown fine sand.	
15							Moist dark brown fine sand	
20							Light brown moist fine sand.	
25							Brown fine sand. TD= 25 ft. bgs. Ground water encountered at 6.5 feet bgs.	
30								
35								
40								

REVIEWING GEOLOGIST GARY BRAGANZA **SIGNATURE** [signature] **REG. NO.** 1822

KEY TO SYMBOLS

Symbol Description

Strata symbols

 Poorly graded sand

Misc. Symbols

 Water table at boring completion

Monitor Well Details

 recessed cover set in concrete

 pipe set in cement grout w/ protective casing

 bentonite pellets

 silica sand, blank PVC

 slotted pipe w/ sand

 no pipe, sealed

Notes:

1. Exploratory borings were drilled on 2/1/2001 using a 4-inch diameter continuous flight power auger.

2. No free water was encountered at the time of drilling or when re-checked the following day.

3. Boring locations were taped from existing features and elevations extrapolated from the final design schematic plan.

4. These logs are subject to the limitations, conclusions, and recommendations in this report.

5. Results of tests conducted on samples recovered are reported on the logs.

ATTACHMENT C-5A
EXAMPLE OVERBURDEN MONITORING WELL SHEET (FLUSHMOUNT)

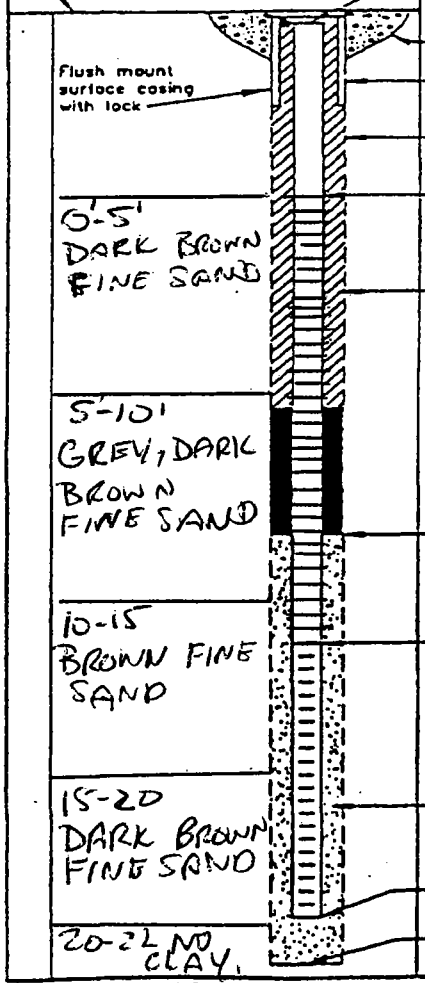
BORING NO.: _____

MONITORING WELL SHEET

LOCKHEED.

PROJECT N3663 — LOCATION SARASOTA
PROJECT NO. _____ — BORING T.T. MW3
ELEVATION _____ — DATE 2/9/01
FIELD GEOLOGIST _____

DRILLER LAW ENG
DRILLING METHOD HOLLOW STEM
DEVELOPMENT METHOD PUMP



ELEVATION TOP OF RISER: _____
TYPE OF SURFACE SEAL: CONCRETE
TYPE OF PROTECTIVE CASING: STEEL MANWAY
I.D. OF PROTECTIVE CASING: 8"
DIAMETER OF HOLE: 8"
TYPE OF RISER PIPE: 2" PVC
RISER PIPE I.D.: _____
TYPE OF BACKFILL/SEAL: 0-1.5' GROUT, 1.5-3' BENTONITE, 3-20. SAND PACK
DEPTH/ELEVATION TOP OF SAND: 3' / _____
DEPTH/ELEVATION TOP OF SCREEN: _____ / _____
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: 15x10Z
TYPE OF SAND PACK: 20/20 4 BAGS
DIAMETER OF HOLE IN BEDROCK: NA
DEPTH/ELEVATION BOTTOM OF SCREEN: 191, 6U
DEPTH/ELEVATION BOTTOM OF SAND: _____ / _____
DEPTH/ELEVATION BOTTOM OF HOLE: _____ / _____
BACKFILL MATERIAL BELOW SAND: _____

ATTACHMENT C-5A
EXAMPLE OVERBURDEN MONITORING WELL SHEET (FLUSHMOUNT)

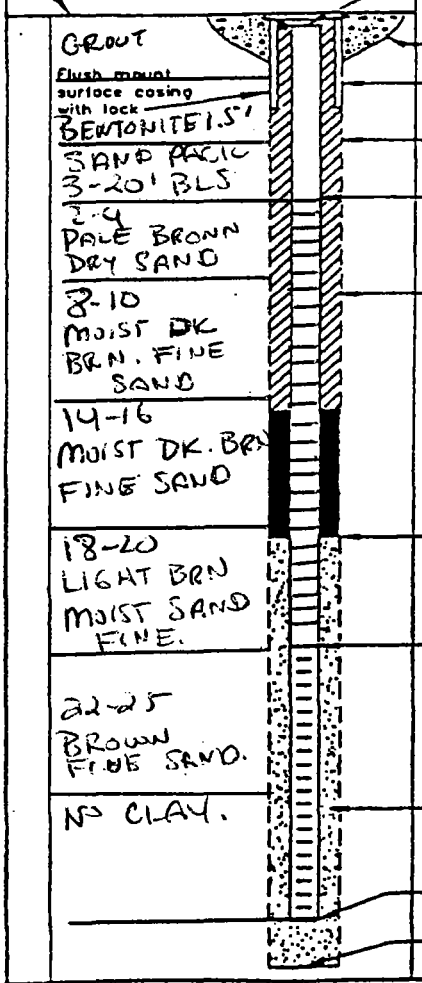
BORING NO.: _____

MONITORING WELL SHEET

LOCKHEED

PROJECT N3963 — LOCATION SARASOTA
PROJECT NO. _____ — BORING LMW4
ELEVATION _____ — DATE 2/8/01
FIELD GEOLOGIST _____

DRILLER LAW
DRILLING METHOD Hollow Stem
DEVELOPMENT METHOD Pump



ELEVATION TOP OF RISER: _____
TYPE OF SURFACE SEAL: CONCRETE
TYPE OF PROTECTIVE CASING: MANWAY 8"
I.D. OF PROTECTIVE CASING: _____
DIAMETER OF HOLE: 8"
TYPE OF RISER PIPE: 2" PVC
RISER PIPE I.D.: _____
TYPE OF BACKFILL/SEAL: _____

SCREENED 4'-19' BELOW LAND SURFACE

DEPTH/ELEVATION TOP OF SAND: 1'-4'
DEPTH/ELEVATION TOP OF SCREEN: 4'
TYPE OF SCREEN: PVC
SLOT SIZE x LENGTH: 15X-02
TYPE OF SAND PACK: 20/20
DIAMETER OF HOLE IN BEDROCK: Ø
DEPTH/ELEVATION BOTTOM OF SCREEN: 19' BLS
DEPTH/ELEVATION BOTTOM OF SAND: /
DEPTH/ELEVATION BOTTOM OF HOLE: /
BACKFILL MATERIAL BELOW SAND: _____

ATTACHMENT C-5A
EXAMPLE OVERBURDEN MONITORING WELL SHEET (FLUSHMOUNT)

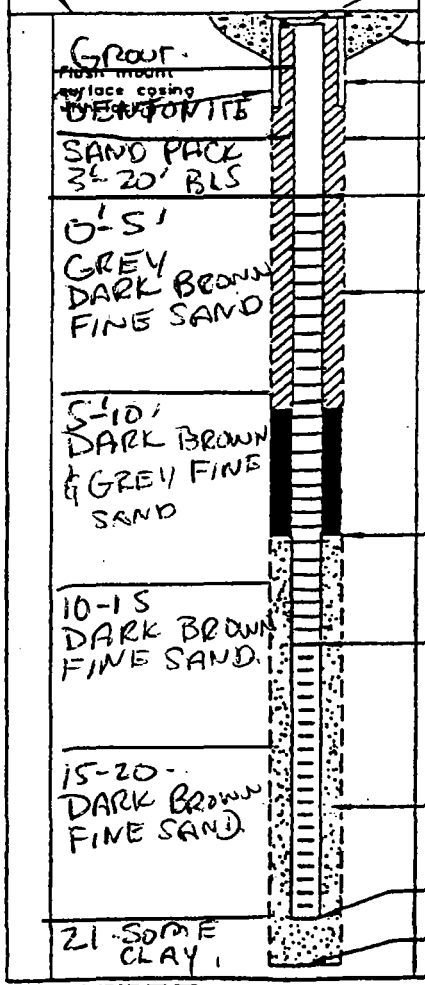
BORING NO.: _____

MONITORING WELL SHEET

LOCKHEED

PROJECT N3963 — LOCATION SARASOTA
PROJECT NO. _____ — BORING ITM02
ELEVATION _____ — DATE 2/4/01
FIELD GEOLOGIST _____

DRILLER LAW ENG
DRILLING METHOD HOLLOW STEM
DEVELOPMENT METHOD PUMP



ELEVATION TOP OF RISER: _____
TYPE OF SURFACE SEAL: CONCRETE
TYPE OF PROTECTIVE CASING: STEEL MANWAY
I.D. OF PROTECTIVE CASING: 8"
DIAMETER OF HOLE: 8"
TYPE OF RISER PIPE: 2" PVC
RISER PIPE I.D.: _____
TYPE OF BACKFILL/SEAL: 0-1.5 GROUT 1.5-3 BENTONITE 3-19 SAND
DEPTH/ELEVATION TOP OF SAND: /
DEPTH/ELEVATION TOP OF SCREEN: /
TYPE OF SCREEN: 0.02 SLOT
SLOT SIZE x LENGTH: 15 x 0.02
TYPE OF SAND PACK: 20/20 4 BAGS
DIAMETER OF HOLE IN BEDROCK: N/A
DEPTH/ELEVATION BOTTOM OF SCREEN: 19' BLS
DEPTH/ELEVATION BOTTOM OF SAND: /
DEPTH/ELEVATION BOTTOM OF HOLE: /
BACKFILL MATERIAL BELOW SAND: _____

DEP Form # 62-770.900(1)
Form Title: Petroleum or Petroleum Products Water Sampling Log
Effective Date: September 13, 1997

Petroleum or Petroleum Products
Water Sampling Log

FDEP FACILITY NO.:	WELL NO.: T-MW1	SAMPLE ID: TTMW1	DATE: 2/13/01
SITE NAME: LOCKHEED	SITE LOCATION: 1605 TELEGRAPH RD SARASOTA, FL		

PURGE DATA

WELL DIAMETER (in): 2"	TOTAL WELL DEPTH (ft): 19'	DEPTH TO WATER (ft): 6.02	WELL CAPACITY (gal/ft): .20

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) x WELL CAPACITY = (-) x = REMOVED 5 VOLUMES

PURGE METHOD: Low Flow	PURGING INITIATED AT: 1100 ~~0900~~	PURGING ENDED AT: ~~0935~~ 1120

WELL VOLS. PURGED	CUMUL. VOLUME PURGED (gal)	pH	TEMP. (°C) F	COND. (µmhos)	PURGE RATE (gpm): COLOR	ODOR ORP	APPEARANCE	TURB. OTHER	TOTAL VOLUME PURGED (gal): 5.30
5	5	6.00	17.6	959	1.30	35.1	CLEAR	7.89	
0	4								
9	6								
4	7								
3	10								

SAMPLING DATA

SAMPLED BY / AFFILIATION: P. HALVERSON	SAMPLER(S) SIGNATURE(S):
SAMPLING METHOD(S): Low Flow	SAMPLING INITIATED AT: ~~0945~~ 1120 SAMPLING ENDED AT: 1125

FIELD DECONTAMINATION: Y (N) | FIELD-FILTERED: Y (N) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATIONS			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (ml)	FINAL pH	
1	CG	8x40ml	HCL	—		VOC 8260
2	AG	1x1LTR	H_2SO_4	—	-	FL PRO
3	HDP	1x500ml	HNO_3	—		6010B, Be, CR
4	HDP	1x500ml	0	—	-	NO3, SO4, ALK
5	AG	2x40ml	0	—		MBTEX
6	B	BAG	0			NPC

REMARKS: NPC TAKEN DIRECTLY BEFORE COURIER DEPARTS.

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.

626

351-4664 124

DEP Form # 62-770.900(1)
Form Title Petroleum or Petroleum Products Water Sampling Log
Effective Date September 23, 1997

Petroleum or Petroleum Products Water Sampling Log

FDEP FACILITY NO.:	WELL NO.: TTMW2	SAMPLE ID: TTMW2	DATE: 2/13/01
SITE NAME:		SITE LOCATION:	

PURGE DATA

WELL DIAMETER (in): 1/2	TOTAL WELL DEPTH (ft):	DEPTH TO WATER (ft):	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) x WELL CAPACITY =
= (-) x REMOVED 5 VOLUMES

PURGE METHOD: LOW FLOW	PURGING INITIATED AT: ~~0830~~ 0900	PURGING ENDED AT: 0940
	PURGE RATE (gpm):	TOTAL VOLUME PURGED (gal): 10 gals.

WELL VOLS. PURGED	CUMUL. VOLUME PURGED (gal)	pH	TEMP. (°F)	COND. (μmhos)	~~COLOR~~ D/O	~~ODOR~~ ORP	APPEARANCE	TURB ~~OTHER~~
5	10	6.04	77.1	440	1.29	55.0	CLEAR	7.03

SAMPLING DATA

SAMPLED BY / AFFILIATION: P. HALVERSON, TT-NUS	SAMPLER(S) SIGNATURE(S): [signature]	
SAMPLING METHOD(S): LOW FLOW	SAMPLING INITIATED AT: 0940	SAMPLING ENDED AT: 0950
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N)	DUPLICATE: Y (N)

NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (ml)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD
1	CG	3x40ml	HCL	—	—	8260 VOC
2	AG	1x1LTR	H_2SO_4	—	—	FL PRO
3	HDP	1x500ml	HNO_3	—	—	6010B, CA, BA
4	AG	2x40ml	Ø	—	—	RSK175M METHANE
5	HDP	1x500ml	Ø	—	—	NO3, SO4, ALK (305)
6	OTHER	BAIL	—	—		SAMPLE [illegible]

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.

DEP Form # 62-770.900(1)
Form Title Petroleum or Petroleum Products Water Sampling Log
Effective Date September 23, 1997

Petroleum or Petroleum Products
Water Sampling Log

FDEP FACILITY NO.:	WELL NO.: TTMW3	SAMPLE ID: TTMW3	DATE: 2/13/01
SITE NAME: LOCKHEED	SITE LOCATION: 9600 TELEVAST RD. SARASOTA FL.		

PURGE DATA

WELL DIAMETER (in): 2"	TOTAL WELL DEPTH (ft): ~~5.44~~ 13	DEPTH TO WATER (ft): 6.19	WELL CAPACITY (gal/ft): 2 gal.

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) x WELL CAPACITY =

= (-) x 5 VOLUMES REMOVED

PURGE METHOD: LOW FLOW					PURGING INITIATED AT: 0930		PURGING ENDED AT: 1010	
WELL VOLS. PURGED	CUMUL. VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (µmhos)	PURGE RATE (gpm): D/~~COLOR~~	ORP/ODOR	TOTAL VOLUME PURGED (gal): 10 GAL APPEARANCE	~~TURB~~/OTHER
+5	10	6.26	73.7	329	2.10 mg/l	46.6 MV	CLEAR	6.50
2	4							
3	6							
4	8							
5	10							

SAMPLING DATA

SAMPLED BY/ AFFILIATION: P. HALVERSON T.T.NUS	SAMPLER(S) SIGNATURE(S):	
SAMPLING METHOD(S): LOW FLOW	SAMPLING INITIATED AT: 1014	SAMPLING ENDED AT: 1020

FIELD DECONTAMINATION: Y (N) | FIELD-FILTERED: Y (N) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATIONS			SAMPLE PRESERVATION			
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (ml)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD
1	CG	3 x 40 ml	HCl	—	—	8082, 8260 VOC
2	AGp	1 x 1 L.	H_2SO_4	—	—	FL PRO
3	HDP	1 x 500 ml	HNO_3	—	—	6010B Cr, Pb
4	AG	2 x 40 ml	—	—		METHANE
5	HDP	1 x 500 ml	—	—	✓	ALKALINITY SM 2320B
6	~~HDP~~	BAG	—			SM 9222, 18TH ED. 9215A
	OTHER					

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.

DEP Form # 62-770.900(1)
Form Title Petroleum or Petroleum Products Water Sampling Log
Effective Date September 11, 1997

Petroleum or Petroleum Products
Water Sampling Log

FDEP FACILITY NO.:	WELL NO.: MW4	SAMPLE ID: 11MW4	DATE: 2/13/01
SITE NAME: LOCKHEED	SITE LOCATION: 1605 TELEVISTA RD SARASOTA, FL		

PURGE DATA

WELL DIAMETER (in): 2"	TOTAL WELL DEPTH (ft): 19	DEPTH TO WATER (ft): 6.05	WELL CAPACITY (gal/ft): .163

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) x WELL CAPACITY =

= (-) x =

PURGE METHOD: LOW FLOW					PURGING INITIATED AT: 1200		PURGING ENDED AT: 1235	
WELL VOLS. PURGED	CUMUL. VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (µmhos)	PURGE RATE (gpm): COLOR D/O	ORP ~~COLOR~~	TOTAL VOLUME PURGED (gal): APPEARANCE	TURB OTHER
5	10	5.92	17.8	087	1.03	44.6	CLEAR	4.02

SAMPLING DATA

SAMPLED BY / AFFILIATION: P. HALVERSON / T.T.NUS	SAMPLER(S) SIGNATURE(S):	
SAMPLING METHOD(S): LOW FLOW	SAMPLING INITIATED AT: 1240	SAMPLING ENDED AT: 1250

FIELD DECONTAMINATION: Y (N) FIELD-FILTERED: Y N DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATIONS			SAMPLE PRESERVATION			
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (ml)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD
1	CG	3x40ml	HCl	—	—	8260 VOC
2	AG	1x1Lt.	H_2SO_4	—	—	FL PRO
3	HDP	1x500ml	HNO_3	—	—	6010 Be, Cr
4	HDP	1x500ml	—	—	—	TKN, SO4, NO3
5	AG	2x40ml	—	—	—	METHANE
6	OTHER	BAG		—	—	HPC SMWW 18TH ED 9215A

REMARKS: HPC HAS SEPERATE SAMPLING TIME

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.

Tab Position 9

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Acenaphthene	83-32-9	20 *Minimum Criteria Organoleptic*	3 *Toxicity Criteria*	3 *Toxicity Criteria*	200	-Liver
Acenaphthylene	208-96-8	210 *Minimum Criteria Systemic Toxicant*	0.031 *62-302*	0.031 *62-302*	2100	-Body Weight -Liver
Acephate	30560-19-1	7.5 *Minimum Criteria PQL*	190 *Toxicity Criteria*	190 *Toxicity Criteria*	75	-Carcinogen -Neurological
Acetone	67-64-1	700 *Minimum Criteria Systemic Toxicant*	1692 *Toxicity Criteria*	1692 *Toxicity Criteria*	7000	-Kidney -Liver -Neurological
Acetonitrile	75-05-8	500 *Minimum Criteria PQL*	19983 *Toxicity Criteria*	19983 *Toxicity Criteria*	5000	-Blood -Liver
Acetophenone	98-86-2	700 *Minimum Criteria Systemic Toxicant*	7750 *Toxicity Criteria*	7750 *Toxicity Criteria*	7000	-None Specified
Acifluorfen, sodium [or Blazer]	62476-59-9	1 *Minimum Criteria Health Advisory Level*	190 *Toxicity Criteria*	190 *Toxicity Criteria*	10	-Kidney -Mortality
Acrolein	107-02-8	14 *Minimum Criteria Systemic Toxicant*	0.4 *Toxicity Criteria*	0.4 *Toxicity Criteria*	140	-Nasal
Acrylamide	79-06-1	1 *Minimum Criteria PQL*	5.98 *Human Health*	5.98 *Human Health*	10	-Carcinogen -Neurological
Acrylonitrile	107-13-1	1 *Minimum Criteria PQL*	49.9 *Human Health*	49.9 *Human Health*	10	-Carcinogen -Nasal -Reproductive
Alachlor	15972-60-8	2 *Primary Standard Carcinogen*	0.596 *Human Health*	0.596 *Human Health*	20	-Blood -Carcinogen
Aldicarb [or Temik]	116-06-3	7 *Minimum Criteria Systemic Toxicant*	0.85 *Toxicity Criteria*	0.85 *Toxicity Criteria*	70	-Neurological
Aldicarb sulfone	1646-88-4	7 *Minimum Criteria Systemic Toxicant*	46 *Toxicity Criteria*	46 *Toxicity Criteria*	70	-Neurological
Aldicarb sulfoxide	1646-87-3	7 *Minimum Criteria Health Advisory Level*	4.2 *Toxicity Criteria*	4.2 *Toxicity Criteria*	70	-Neurological
Aldrin	309-00-2	0.005 *Minimum Criteria PQL*	0.00014 *62-302 annual avg; 3.0 max*	0.00014 *62-302 annual avg; 1.3 max*	0.05	-Carcinogen -Liver

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Bayleton	43121-43-3	210 *Minimum Criteria Systemic Toxicant*	500 *Toxicity Criteria*	500 *Toxicity Criteria*	2100	-Blood -Body Weight
Benomyl	17804-35-2	35 *Minimum Criteria Systemic Toxicant*	0.3 *Toxicity Criteria*	0.3 *Toxicity Criteria*	350	-Developmental
Bensulide	741-58-2	46.2 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	462	-None Specified
Bentazon	25057-89-0	210 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	2100	-Blood
Benzaldehyde	100-52-7	700 *Minimum Criteria Systemic Toxicant*	53.5 *Toxicity Criteria*	53.5 *Toxicity Criteria*	7000	-Gastrointestinal -Kidney
Benzene	71-43-2	1 *Primary Standard Carcinogen*	71.28 *62-302 annual average*	71.28 *62-302 annual average*	10	-Carcinogen
Benzenethiol	108-98-5	20 *Minimum Criteria PQL*	*NA*	*NA*	200	-Liver
Benzidine	92-87-5	400 *Minimum Criteria PQL*	*NA*	*NA*	4000	-Carcinogen
Benzo(a)anthracene	56-55-3	0.2 *Minimum Criteria PQL*	0.031 *62-302 annual average*	0.031 *62-302 annual average*	2	-Carcinogen
Benzo(a)pyrene	50-32-8	0.2 *Primary Standard Carcinogen*	0.031 *62-302 annual average*	0.031 *62-302 annual average*	2	-Carcinogen
Benzo(b)fluoranthene	205-99-2	0.2 *Minimum Criteria PQL*	0.031 *62-302 annual average*	0.031 *62-302 annual average*	2	-Carcinogen
Benzo(g,h,i)perylene	191-24-2	210 *Minimum Criteria Systemic Toxicant*	0.031 *62-302 annual average*	0.031 *62-302 annual average*	2100	-Neurological
Benzo(k)fluoranthene	207-08-9	0.5 *Minimum Criteria Carcinogen*	0.031 *62-302 annual average*	0.031 *62-302 annual average*	5	-Carcinogen
Benzoic acid	65-85-0	28000 *Minimum Criteria Systemic Toxicant*	9000 *Toxicity Criteria*	9000 *Toxicity Criteria*	280000	-None Specified
Benzotrichloride	98-08-7	0.06 *Minimum Criteria PQL*	0.0029 *Human Health*	0.0029 *Human Health*	0.6	-Carcinogen

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Bromodichloromethane	75-27-4	0.6 *Minimum Criteria Carcinogen*	22 *62-302 annual average*	22 *62-302 annual average*	6	-Carcinogen -Kidney
Bromoform	75-25-2	4.4 *Minimum Criteria Carcinogen*	360 *62-302 annual average*	360 *62-302 annual average*	44	-Carcinogen -Liver
Bromomethane [or Methyl bromide]	74-83-9	9.8 *Minimum Criteria Systemic Toxicant*	35 *Toxicity Criteria*	35 *Toxicity Criteria*	98	-Gastrointestinal
Bromophenyl phenyl ether, 4-	101-55-3	406 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	4060	-None Specified
Bromoxynil	1689-84-5	140 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	1400	-None Specified
Bromoxynil octanoate	1689-99-2	140 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	1400	-Neurological
Butanol, 1-	71-36-3	700 *Minimum Criteria Systemic Toxicant*	25000 *Toxicity Criteria*	25000 *Toxicity Criteria*	7000	-Neurological
Butanone, 2- [or MEK]	78-93-3	4200 *Minimum Criteria Systemic Toxicant*	120000 *Toxicity Criteria*	120000 *Toxicity Criteria*	42000	-Developmental
Butyl acetate, n-	123-86-4	43 *Minimum Criteria Organoleptic*	1000 *Toxicity Criteria*	1000 *Toxicity Criteria*	430	-None Specified
Butyl benzyl phthalate, n-	85-68-7	140 *Minimum Criteria Systemic Toxicant*	25.5 *Toxicity Criteria*	25.5 *Toxicity Criteria*	1400	-Liver
Butylate	2008-41-5	350 *Minimum Criteria Systemic Toxicant*	10.5 *Toxicity Criteria*	10.5 *Toxicity Criteria*	3500	-Liver
Butylphthalyl butylglycolate	85-70-1	7000 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	70000	-None Specified
Cacodylic acid (as Arsenic)	75-60-5	21 *Minimum Criteria Systemic Toxicant*	850 *Toxicity Criteria*	850 *Toxicity Criteria*	210	-Carcinogen -Cardiovascular -Skin
Cadmium	7440-43-9	5 *Primary Standard Carcinogen*	e	9.3 *62-302*	50	-Carcinogen -Kidney
Calcium cyanide	592-01-8	280 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	2800	-Body Weight -Neurological -Thyroid

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Chlorite, sodium	7758-19-2	100 *Minimum Criteria PQL*	29 *Toxicity Criteria*	29 *Toxicity Criteria*	1000	-None Specified
Chloro-1,3-butadiene [or Chloroprene]	126-99-8	140 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	1400	-Body Weight -Hair Loss -Nasal
Chloro-m-cresol, p- [or 4-chloro-3-methylphenol]	59-50-7	63 *Minimum Criteria Systemic Toxicant*	100 *Toxicity Criteria*	100 *Toxicity Criteria*	630	-Body Weight
Chloroacetic acid	79-11-8	14 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	140	-Cardiovascular
Chloroaniline, 4-	106-47-8	28 *Minimum Criteria Systemic Toxicant*	2.5 *Toxicity Criteria*	2.5 *Toxicity Criteria*	280	-Spleen
Chlorobenzene	108-90-7	100 *Primary Standard Systemic Toxicant*	17 *Toxicity Criteria*	17 *Toxicity Criteria*	1000	-Liver
Chlorobenzilate	510-15-6	0.1 *Minimum Criteria Carcinogen*	0.09 *Human Health*	0.09 *Human Health*	1	-Body Weight -Carcinogen
Chloroethyl vinyl ether, 2-	110-75-8	175 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	1750	-None Specified
Chloroform	67-66-3	5.7 *Minimum Criteria Carcinogen*	470.8 *62-302 annual average*	470.8 *62-302 annual average*	57	-Carcinogen -Liver
Chloromethane	74-87-3	2.7 *Minimum Criteria Carcinogen*	470.8 *62-302 annual average*	470.8 *62-302 annual average*	27	-Carcinogen
Chloronaphthalene, beta-	91-58-7	560 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	5600	-Liver -Respiratory
Chloronitrobenzene, p-	100-00-5	250 *Minimum Criteria PQL*	107 *Toxicity Criteria*	107 *Toxicity Criteria*	2500	-Carcinogen
Chlorophenol, 2-	95-57-8	35 *Minimum Criteria Systemic Toxicant*	130 *Toxicity Criteria*	130 *Toxicity Criteria*	350	-Reproductive
Chlorophenol, 3-	108-43-0	10 *Minimum Criteria Organoleptic (PQL)*	173.5 *Toxicity Criteria*	173.5 *Toxicity Criteria*	100	-None Specified
Chlorophenol, 4-	106-48-9	5.5 *Minimum Criteria Organoleptic (PQL)*	175 *Toxicity Criteria*	175 *Toxicity Criteria*	55	-None Specified

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Crotonaldehyde	123-73-9	4000 *Minimum Criteria* *Carcinogen*	*NA*	*NA*	40000	-Carcinogen
Cumene [or Isopropyl benzene]	98-82-8	0.8 *Minimum Criteria* *Organoleptic*	255 *Toxicity Criteria*	255 *Toxicity Criteria*	8	-Adrenals -Kidney
Cyanazine	21725-46-2	0.1 *Minimum Criteria* *PQL*	5.5 *Toxicity Criteria*	5.5 *Toxicity Criteria*	1	-Carcinogen
Cyanide (potassium salt)	57-12-5	200 *Primary Standard* *Systemic Toxicant*	5.2 *62-302*	1 *62-302*	2000	-Body Weight -Neurological -Thyroid
Cyanogen	460-19-5	10000 *Minimum Criteria* *PQL*	*NA*	*NA*	100000	-None Specified
Cycloate	1134-23-2	35 *Minimum Criteria* *Systemic Toxicant*	130 *Toxicity Criteria*	130 *Toxicity Criteria*	350	-Neurological
Cyclohexanone	108-94-1	35000 *Minimum Criteria* *Systemic Toxicant*	26350 *Toxicity Criteria*	26350 *Toxicity Criteria*	350000	-Body Weight
Cyclohexylamine	108-91-8	5000 *Minimum Criteria* *PQL*	4000 *Toxicity Criteria*	4000 *Toxicity Criteria*	50000	-Body Weight -Reproductive
Cypermethrin	52315-07-8	7 *Minimum Criteria* *Systemic Toxicant*	0.0005 *Toxicity Criteria*	0.0005 *Toxicity Criteria*	70	-Gastrointestinal
Dacthal [or DCPA]	1861-32-1	70 *Minimum Criteria* *Systemic Toxicant*	310 *Toxicity Criteria*	310 *Toxicity Criteria*	700	-Kidney -Liver -Respiratory -Thyroid
Dalapon	75-99-0	200 *Primary Standard* *Systemic Toxicant*	5000 *Toxicity Criteria*	5000 *Toxicity Criteria*	2000	-Kidney
DDD, 4,4'-	72-54-8	0.1 *Minimum Criteria* *Carcinogen*	0.003 *Human Health*	0.003 *Human Health*	1	-Carcinogen
DDE, 4,4'-	72-55-9	0.1 *Minimum Criteria* *Carcinogen*	0.0006 *Human Health*	0.0006 *Human Health*	1	-Carcinogen
DDT, 4,4'-	50-29-3	0.1 *Minimum Criteria* *Carcinogen*	0.00059 *62-302* *annual avg; 0.001 max*	0.00059 *62-302* *annual avg; 0.001 max*	1	-Carcinogen -Liver
DEET	134-62-3	6300 *Minimum Criteria* *Systemic Toxicant*	*NA*	*NA*	63000	-Body Weight

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Dichlorobenzene, 1,3-	541-73-1	10 *Minimum Criteria Organoleptic (PQL)*	85 *Toxicity Criteria*	85 *Toxicity Criteria*	100	-None Specified
Dichlorobenzene, 1,4-	106-46-7	75 *Primary Standard Carcinogen*	100 *Toxicity Criteria*	100 *Toxicity Criteria*	750	-Carcinogen -Liver
Dichlorobenzidine, 3,3'-	91-94-1	12 *Minimum Criteria PQL*	0.06 *Human Health*	0.06 *Human Health*	120	-Carcinogen
Dichlorodifluoromethane	75-71-8	1400 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	14000	-Body Weight -Liver
Dichloroethane, 1,1-	75-34-3	70 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	700	-Kidney
Dichloroethane, 1,2- [or EDC]	107-06-2	3 *Primary Standard Carcinogen*	5 *Human Health*	5 *Human Health*	30	-Carcinogen
Dichloroethene, 1,1-	75-35-4	7 *Primary Standard Carcinogen*	3.2 *62-302 annual average*	3.2 *62-302 annual average*	70	-Carcinogen -Liver
Dichloroethene, 1,2- (mixture)	540-59-0	63 *Minimum Criteria Systemic Toxicant*	7000 *Toxicity Criteria*	7000 *Toxicity Criteria*	630	-Blood -Liver
Dichloroethene, cis-1,2-	156-59-2	70 *Primary Standard Systemic Toxicant*	*NA*	*NA*	700	-Blood
Dichloroethene, trans-1,2-	156-60-5	100 *Primary Standard Systemic Toxicant*	11000 *Toxicity Criteria*	11000 *Toxicity Criteria*	1000	-Blood -Liver
Dichlorophenol, 2,3-	576-24-9	10 *Minimum Criteria PQL*	56 *Toxicity Criteria*	56 *Toxicity Criteria*	100	-None Specified
Dichlorophenol, 2,4-	120-83-2	0.5 *Minimum Criteria PQL*	13 *Toxicity Criteria*	13 *Toxicity Criteria*	5	-Immunological
Dichlorophenol, 2,5-	583-78-8	10 *Minimum Criteria PQL*	90 *Toxicity Criteria*	90 *Toxicity Criteria*	100	-None Specified
Dichlorophenol, 2,6-	87-65-0	4 *Minimum Criteria PQL*	73 *Toxicity Criteria*	73 *Toxicity Criteria*	40	-None Specified
Dichlorophenol, 3,4-	95-77-2	0.5 *Minimum Criteria PQL*	61 *Toxicity Criteria*	61 *Toxicity Criteria*	5	-None Specified

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Dimethylformamide, N,N-	68-12-2	700 *Minimum Criteria Systemic Toxicant*	50000 *Toxicity Criteria*	50000 *Toxicity Criteria*	7000	-Gastrointestinal -Liver
Dimethylphenol, 2,4-	105-67-9	140 *Minimum Criteria Systemic Toxicant*	261 *Human Health*	261 *Human Health*	1400	-Blood -Neurological
Dimethylphthalate	131-11-3	70000 *Minimum Criteria Systemic Toxicant*	1450 *Toxicity Criteria*	1450 *Toxicity Criteria*	700000	-Kidney
Dinitro-o-cyclohexylphenol	131-89-5	100 *Minimum Criteria PQL*	*NA*	*NA*	1000	-Eye
Dinitrobenzene, 1,2- (o)	528-29-0	200 *Minimum Criteria PQL*	30 *Toxicity Criteria*	30 *Toxicity Criteria*	2000	-Spleen
Dinitrobenzene, 1,3- (m)	99-65-0	8 *Minimum Criteria PQL*	72 *Toxicity Criteria*	72 *Toxicity Criteria*	80	-Spleen
Dinitrobenzene, 1,4- (p)	100-25-4	50 *Minimum Criteria PQL*	30 *Toxicity Criteria*	30 *Toxicity Criteria*	500	-Spleen
Dinitrophenol, 2,4-	51-28-5	14 *Minimum Criteria Systemic Toxicant*	3 *Toxicity Criteria*	3 *Toxicity Criteria*	140	-Eye
Dinitrotoluene (mixture)	NOCAS#	0.2 *Minimum Criteria PQL*	*NA*	*NA*	2	-Carcinogen
Dinitrotoluene, 2,4-	121-14-2	0.1 *Minimum Criteria PQL*	9.1 *62-302 annual average*	9.1 *62-302 annual average*	1	-Carcinogen -Liver -Neurological
Dinitrotoluene, 2,6-	606-20-2	0.1 *Minimum Criteria PQL*	4 *Human Health*	4 *Human Health*	1	-Blood -Carcinogen -Kidney -Mortality -Neurological
Dinoseb	88-85-7	7 *Primary Standard Systemic Toxicant*	5.9 *Toxicity Criteria*	5.9 *Toxicity Criteria*	70	-Developmental
Dioxane, 1,4-	123-91-1	5 *Minimum Criteria PQL*	245 *Human Health*	245 *Human Health*	50	-Carcinogen
Dioxin [or 2,3,7,8-TCDD]	1746-01-6	0.00003 *Primary Standard Carcinogen*	1.3E-08 *62-302*	1.3E-08 *62-302*	0.0003	-Carcinogen
Diphenamid	957-51-7	210 *Minimum Criteria Systemic Toxicant*	1600 *Toxicity Criteria*	1600 *Toxicity Criteria*	2100	-Liver

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Ethyl dipropylthiocarbamate, S- [or EPTC]	759-94-4	175 *Minimum Criteria Systemic Toxicant*	235 *Toxicity Criteria*	235 *Toxicity Criteria*	1750	-Cardiovascular
Ethyl ether	60-29-7	750 *Minimum Criteria Organoleptic*	128000 *Toxicity Criteria*	128000 *Toxicity Criteria*	7500	-Body Weight
Ethyl methacrylate	97-63-2	630 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	6300	-Kidney
Ethyl p-nitrophenyl phenylphosphorothioate [or EPN]	2104-64-5	0.2 *Minimum Criteria PQL*	0.015 *Toxicity Criteria*	0.015 *Toxicity Criteria*	2	-Neurological
Ethylbenzene	100-41-4	30 *Secondary Standard Systemic Toxicant*	605 *Toxicity Criteria*	605 *Toxicity Criteria*	300	-Developmental -Kidney -Liver
Ethylene diamine	107-15-3	10000 *Minimum Criteria PQL*	800 *Toxicity Criteria*	800 *Toxicity Criteria*	100000	-Blood -Cardiovascular
Ethylene glycol	107-21-1	14000 *Minimum Criteria Systemic Toxicant*	16300 *Toxicity Criteria*	16300 *Toxicity Criteria*	140000	-Kidney
Ethylene oxide	75-21-8	10 *Minimum Criteria PQL*	4200 *Toxicity Criteria*	4200 *Toxicity Criteria*	100	-Carcinogen
Ethylene thiourea [or ETU]	96-45-7	5 *Minimum Criteria PQL*	1320 *Toxicity Criteria*	1320 *Toxicity Criteria*	50	-Carcinogen
Ethylphthalyl ethylglycolate [or EPEG]	84-72-0	21000 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	210000	-Kidney -Mortality
Famphur	52-85-7	3.5 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	35	-Blood
Fenamiphos	22224-92-6	1.8 *Minimum Criteria Systemic Toxicant*	0.225 *Toxicity Criteria*	0.225 *Toxicity Criteria*	18	-Neurological
Fensulfothion	115-90-2	1.8 *Minimum Criteria Systemic Toxicant*	0.5 *Toxicity Criteria*	0.5 *Toxicity Criteria*	18	-Neurological
Fluometuron	2164-17-2	91 *Minimum Criteria Systemic Toxicant*	190 *Toxicity Criteria*	190 *Toxicity Criteria*	910	-None Specified
Fluoranthene	206-44-0	280 *Minimum Criteria Systemic Toxicant*	0.3 *Toxicity Criteria*	0.3 *Toxicity Criteria*	2800	-Blood -Kidney -Liver

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Hexachlorocyclohexane, alpha-	319-84-6	0.006 *Minimum Criteria Carcinogen*	0.0116 *Human Health*	0.0116 *Human Health*	0.06	-Carcinogen
Hexachlorocyclohexane, beta-	319-85-7	0.02 *Minimum Criteria Carcinogen*	0.046 *62-302 annual average*	0.046 *62-302 annual average*	0.2	-Carcinogen
Hexachlorocyclohexane, delta-	319-86-8	2.1 *Minimum Criteria Systemic (b)*	*NA*	*NA*	21	-Kidney -Liver
Hexachlorocyclohexane, gamma- [or Lindane]	58-89-9	0.2 *Primary Standard Carcinogen*	0.063 *62-302 annual avg; 0.08 max.*	0.063 *62-302 annual avg; 0.08 max.*	2	-Carcinogen -Kidney -Liver
Hexachlorocyclopentadiene	77-47-4	50 *Primary Standard Systemic Toxicant*	2.95 *Toxicity Criteria*	2.95 *Toxicity Criteria*	500	-Gastrointestinal
Hexachlorodibenzo-p-dioxin (mixture)	19408-74-3	0.00025 *Minimum Criteria PQL*	*NA*	*NA*	0.0025	-Carcinogen
Hexachloroethane	67-72-1	2.5 *Minimum Criteria Carcinogen*	1.1 *Human Health*	1.1 *Human Health*	25	-Carcinogen -Kidney
Hexachlorophene	70-30-4	6 *Minimum Criteria PQL*	1.05 *Toxicity Criteria*	1.05 *Toxicity Criteria*	60	-Neurological
Hexahydro-1,3,5-trinitro-1,3,5-triazine [or RDX]	121-82-4	1 *Minimum Criteria PQL*	180 *Toxicity Criteria*	180 *Toxicity Criteria*	10	-Carcinogen -Reproductive
Hexane, n-	110-54-3	10 *Minimum Criteria PQL*	3400 *Toxicity Criteria*	3400 *Toxicity Criteria*	100	-Neurological
Hexanone, 2- [or Methyl butyl ketone]	591-78-6	280 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	2800	-None Specified
Hexazinone	51235-04-2	231 *Minimum Criteria Systemic Toxicant*	1020 *Human Health*	1020 *Human Health*	2310	-Body Weight
Hydrogen cyanide (as Cyanide)	74-90-8	140 *Minimum Criteria Systemic Toxicant*	3.45 *Toxicity Criteria*	3.45 *Toxicity Criteria*	1400	-Body Weight -Neurological -Thyroid
Hydrogen sulfide (as Sulfur)	7783-06-4	100 *Minimum Criteria PQL*	0.1 *Toxicity Criteria*	0.1 *Toxicity Criteria*	1000	-Gastrointestinal
Hydroquinone	123-31-9	280 *Minimum Criteria Systemic Toxicant*	4.5 *Toxicity Criteria*	4.5 *Toxicity Criteria*	2800	-Blood

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Mercury, methyl	22967-92-6	0.07 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	0.7	-Neurological
Merphos	150-50-5	0.2 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	2	-Body Weight -Neurological
Metalaxyl	57837-19-1	420 *Minimum Criteria Systemic Toxicant*	36.5 *Toxicity Criteria*	36.5 *Toxicity Criteria*	4200	-Blood -Liver -Neurological
Methacrylonitrile	126-98-7	5 *Minimum Criteria PQL*	*NA*	*NA*	50	-Liver
Methamidophos	10265-92-6	5 *Minimum Criteria PQL*	0.000011 *Toxicity Criteria*	0.000011 *Toxicity Criteria*	50	-Neurological
Methanol	67-56-1	5000 *Minimum Criteria PQL*	45037 *Toxicity Criteria*	45037 *Toxicity Criteria*	50000	-Liver -Neurological
Methidathion	950-37-8	0.7 *Minimum Criteria Systemic Toxicant*	0.03 *Toxicity Criteria*	0.03 *Toxicity Criteria*	7	-Liver
Methomyl	16752-77-5	175 *Minimum Criteria Systemic Toxicant*	0.95 *Toxicity Criteria*	0.95 *Toxicity Criteria*	1750	-Kidney -Spleen
Methoxy-5-nitroaniline, 2-	99-59-2	50 *Minimum Criteria PQL*	*NA*	*NA*	500	-Carcinogen
Methoxychlor	72-43-5	40 *Primary Standard Systemic Toxicant*	0.03 *62-302*	0.03 *62-302*	400	-Developmental -Reproductive
Methoxyethanol, 2-	109-86-4	100000 *Minimum Criteria PQL*	*NA*	*NA*	1000000	-Reproductive
Methyl acetate	79-20-9	5000 *Minimum Criteria PQL*	*NA*	*NA*	50000	-Liver
Methyl acrylate	96-33-3	210 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	2100	-None Specified
Methyl isobutyl ketone [or MIBK]	108-10-1	560 *Minimum Criteria Systemic Toxicant*	23000 *Toxicity Criteria*	23000 *Toxicity Criteria*	5600	-Kidney -Liver
Methyl methacrylate	80-62-6	25 *Minimum Criteria Organoleptic*	6500 *Toxicity Criteria*	6500 *Toxicity Criteria*	250	-Nasal

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Metribuzin	21087-64-9	175 *Minimum Criteria Systemic Toxicant*	64 *Toxicity Criteria*	64 *Toxicity Criteria*	1750	-Body Weight -Kidney -Liver -Mortality
Metsulfuron, methyl [or Ally]	74223-64-6	1750 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	17500	-Body Weight
Mevinphos	7786-34-7	1.8 *Minimum Criteria Systemic Toxicant*	0.0475 *Toxicity Criteria*	0.0475 *Toxicity Criteria*	18	-Neurological
Mirex	2385-85-5	1.4 *Minimum Criteria Systemic Toxicant*	0.001 *62-302*	0.001 *62-302*	14	-Liver -Thyroid
Molinate	2212-67-1	14 *Minimum Criteria Systemic Toxicant*	17 *Toxicity Criteria*	17 *Toxicity Criteria*	140	-Reproductive
Molybdenum	7439-98-7	35 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	350	-Gout
Naled	300-76-5	14 *Minimum Criteria Systemic Toxicant*	0.018 *Toxicity Criteria*	0.018 *Toxicity Criteria*	140	-Neurological
Naphthalene	91-20-3	20 *Minimum Criteria Organoleptic*	26 *Toxicity Criteria*	26 *Toxicity Criteria*	200	-Body Weight -Nasal
Naphthylamine, 2-	91-59-8	10 *Minimum Criteria PQL*	*NA*	*NA*	100	-Carcinogen
Napropamide	15299-99-7	700 *Minimum Criteria Systemic Toxicant*	210 *Toxicity Criteria*	210 *Toxicity Criteria*	7000	-Body Weight
Nickel	7440-02-0	100 *Primary Standard Systemic Toxicant*	*a*	8.3 *62-302*	1000	-Body Weight
Nitrate	14797-55-8	10000 *Primary Standard Systemic Toxicant*	*62-302 b*	*62-302 b*	100000	-Blood
Nitrate+Nitrite	NOCAS#	10000 *Primary Standard Systemic Toxicant*	*62-302 b*	*62-302 b*	100000	-Blood
Nitrite	14797-65-0	1000 *Primary Standard Systemic Toxicant*	*62-302 b*	*62-302 b*	10000	-Blood
Nitroaniline, m-	99-09-2	50 *Minimum Criteria PQL*	*NA*	*NA*	500	-None Specified

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Octahydro-1,3,5,7-tetranitro-tetrazocine (or HMX)	2691-41-0	350 *Minimum Criteria Systemic Toxicant*	1250 *Toxicity Criteria*	1250 *Toxicity Criteria*	3500	-Blood
Octamethylpyrophosphoramide	152-16-9	1000 *Minimum Criteria PQL*	*NA*	*NA*	10000	-Neurological
Oryzalin	19044-88-3	350 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	3500	-Blood -Kidney -Liver
Oxadiazon	19666-30-9	35 *Minimum Criteria Systemic Toxicant*	44 *Toxicity Criteria*	44 *Toxicity Criteria*	350	-Liver
Oxamyl	23135-22-0	200 *Primary Standard Systemic Toxicant*	8.5 *Toxicity Criteria*	8.5 *Toxicity Criteria*	2000	-Body Weight
Paraquat	1910-42-5	31.5 *Minimum Criteria Systemic Toxicant*	47 *Toxicity Criteria*	47 *Toxicity Criteria*	315	-Respiratory
Parathion	56-38-2	42 *Minimum Criteria Systemic Toxicant*	0.04 *62-302*	0.04 *62-302*	420	-Neurological
PCBs [Aroclor mixture]	1336-36-3	0.5 *Primary Standard Carcinogen*	0.000045 *62-302 annual avg; 0.14 max*	0.000045 *62-302 annual avg; 0.14 max*	5	-Carcinogen -Immunological
Pebulate	1114-71-2	350 *Minimum Criteria Systemic Toxicant*	305 *Toxicity Criteria*	305 *Toxicity Criteria*	3500	-Blood
Pendimethalin	40487-42-1	280 *Minimum Criteria Systemic Toxicant*	10 *Toxicity Criteria*	10 *Toxicity Criteria*	2800	-Liver
Pentachlorobenzene	608-93-5	5.6 *Minimum Criteria Systemic Toxicant*	1.7 *Human Health*	1.7 *Human Health*	56	-Kidney -Liver
Pentachloronitrobenzene	82-68-8	0.5 *Minimum Criteria PQL*	0.04 *Human Health*	0.04 *Human Health*	5	-Carcinogen -Liver
Pentachlorophenol	87-86-5	1 *Primary Standard Carcinogen*	8.2 *62-302 annual avg; 30 max. c*	7.9 *62-302*	10	-Carcinogen -Kidney -Liver
Permethrin	52645-53-1	350 *Minimum Criteria Systemic Toxicant*	0.001 *Toxicity Criteria*	0.001 *Toxicity Criteria*	3500	-Liver
Phenanthrene	85-01-8	210 *Minimum Criteria Systemic (a)*	0.031 *62-302 annual average*	0.031 *62-302 annual average*	2100	-Kidney

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Propargite	2312-35-8	140 *Minimum Criteria Systemic Toxicant*	1.55 *Toxicity Criteria*	1.55 *Toxicity Criteria*	1400	-None Specified
Propazine	139-40-2	14 *Minimum Criteria Systemic Toxicant*	185 *Toxicity Criteria*	185 *Toxicity Criteria*	140	-Body Weight
Propham	122-42-9	140 *Minimum Criteria Systemic Toxicant*	500 *Toxicity Criteria*	500 *Toxicity Criteria*	1400	-Neurological
Propiconazole	60207-90-1	90 *Minimum Criteria Systemic Toxicant*	25.5 *Toxicity Criteria*	25.5 *Toxicity Criteria*	900	-Gastrointestinal
Propoxur [or Baygon]	114-26-1	2.8 *Minimum Criteria Systemic Toxicant*	0.35 *Toxicity Criteria*	0.35 *Toxicity Criteria*	28	-Blood -Neurological
Propylene glycol	57-55-6	140000 *Minimum Criteria Systemic Toxicant*	35500 *Toxicity Criteria*	35500 *Toxicity Criteria*	1400000	-Blood -Bone Marrow
Propylene oxide	75-56-9	5000 *Minimum Criteria PQL*	*NA*	*NA*	50000	-Carcinogen -Nasal -Respiratory
Pydrin [or Fenvalerate]	51630-58-1	1750 *Minimum Criteria Systemic Toxicant*	0.00035 *Toxicity Criteria*	0.00035 *Toxicity Criteria*	17500	-Neurological
Pyrene	129-00-0	210 *Minimum Criteria Systemic Toxicant*	0.3 *Toxicity Criteria*	0.3 *Toxicity Criteria*	2100	-Kidney
Pyridine	110-86-1	7 *Minimum Criteria PQL*	1300 *Toxicity Criteria*	1300 *Toxicity Criteria*	70	-Liver
Radium, 226 and 228 (combined)	7440-14-4	5 *Primary Standard pCi/L*	5 *62-302 pCi/L*	5 *62-302 pCi/L*	50	-Carcinogen
Resmethrin	10453-86-8	210 *Minimum Criteria Systemic Toxicant*	0.0026 *Toxicity Criteria*	0.0026 *Toxicity Criteria*	2100	-Reproductive
Ronnel	299-84-3	350 *Minimum Criteria Systemic Toxicant*	0.061 *Toxicity Criteria*	0.061 *Toxicity Criteria*	3500	-Liver
Rotenone	83-79-4	28 *Minimum Criteria Systemic Toxicant*	0.115 *Toxicity Criteria*	0.115 *Toxicity Criteria*	280	-Developmental
Selenious acid (as Selenium)	7783-00-8	35 *Minimum Criteria Systemic Toxicant*	40 *Toxicity Criteria*	40 *Toxicity Criteria*	350	-Hair Loss -Neurological -Skin

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Tetrachloroethane, 1,1,1,2-	630-20-6	1.3 *Minimum Criteria Carcinogen*	NA	NA	13	-Carcinogen -Kidney -Liver
Tetrachloroethane, 1,1,2,2-	79-34-5	0.2 *Minimum Criteria Carcinogen*	10.8 *62-302 annual average*	10.8 *62-302 annual average*	2	-Carcinogen
Tetrachloroethene [or PCE]	127-18-4	3 *Primary Standard Carcinogen*	8.85 *62-302 annual average*	8.85 *62-302 annual average*	30	-Body Weight -Carcinogen -Liver
Tetrachlorophenol, 2,3,4,6-	58-90-2	210 *Minimum Criteria Systemic Toxicant*	4.5 *Toxicity Criteria*	4.5 *Toxicity Criteria*	2100	-Liver
Tetraethyl dithiopyrophosphate	3689-24-5	3.5 *Minimum Criteria PQL*	0.0115 *Toxicity Criteria*	0.0115 *Toxicity Criteria*	35	-Bone Marrow -Neurological
Thallium	7440-28-0	2 *Primary Standard Systemic Toxicant*	6.3 *62-302*	6.3 *62-302*	20	-Blood -Hair Loss -Liver
Thiocyanomethylthio-benzothiazole, 2-	21564-17-0	210 *Minimum Criteria Systemic Toxicant*	0.435 *Toxicity Criteria*	0.435 *Toxicity Criteria*	2100	-Gastrointestinal
Thiram	137-26-8	35 *Minimum Criteria Systemic Toxicant*	0.168 *Toxicity Criteria*	0.168 *Toxicity Criteria*	350	-Neurological
Tin	7440-31-5	4200 *Minimum Criteria Systemic Toxicant*	NA	NA	42000	-Kidney -Liver
Toluene	108-88-3	40 *Secondary Standard Systemic Toxicant*	475 *Toxicity Criteria*	475 *Toxicity Criteria*	400	-Kidney -Liver -Neurological
Toluene-2,4-diamine	95-80-7	100 *Minimum Criteria PQL*	NA	NA	1000	-Carcinogen
Toluidine, p-	106-49-0	150 *Minimum Criteria PQL*	NA	NA	1500	-Carcinogen
Total dissolved solids [or TDS]	C-010	500000 *Secondary Standard*	NA	NA	5000000	-None Specified
Toxaphene	8001-35-2	3 *Primary Standard Carcinogen*	0.0002 *62-302*	0.0002 *62-302*	30	-Carcinogen -Developmental
Triallate	2303-17-5	91 *Minimum Criteria Systemic Toxicant*	65 *Toxicity Criteria*	65 *Toxicity Criteria*	910	-Liver -Spleen

Table 1 - Technical Report

Groundwater and Surface Water Cleanup Target Levels

Contaminant	CAS #	Groundwater Criteria (ug/L)	Freshwater Surface Water Criteria (ug/L)	Marine Surface Water Criteria (ug/L)	Groundwater of Low Yield/Poor Quality Criteria (ug/L)	Target Organ/System or Effect
Trifluralin	1582-09-8	4.5 *Minimum Criteria Carcinogen*	0.78 *Human Health*	0.78 *Human Health*	45	-Blood -Carcinogen -Liver
Trimethyl phosphate	512-56-1	50 *Minimum Criteria PQL*	*NA*	*NA*	500	-Carcinogen
Trimethylbenzene, 1,2,3-	526-73-8	10 *Minimum Criteria Organoleptic*	*NA*	*NA*	100	-None Specified
Trimethylbenzene, 1,2,4-	95-63-6	10 *Minimum Criteria Organoleptic*	217.5 *Toxicity Criteria*	217.5 *Toxicity Criteria*	100	-None Specified
Trimethylbenzene, 1,3,5-	108-67-8	10 *Minimum Criteria Organoleptic*	215 *Toxicity Criteria*	215 *Toxicity Criteria*	100	-None Specified
Trinitrobenzene, 1,3,5-	99-35-4	210 *Minimum Criteria Systemic Toxicant*	19 *Toxicity Criteria*	19 *Toxicity Criteria*	2100	-Blood -Spleen
Trinitrotoluene, 2,4,6-	118-96-7	10 *Minimum Criteria PQL*	49 *Toxicity Criteria*	49 *Toxicity Criteria*	100	-Carcinogen -Liver
TRPH	NOCAS#	5000 *Minimum Criteria ##*	5000 *62-302 ##*	5000 *62-302 ##*	50000	-Multiple Endpoints Mixed Contaminants
Uranium, natural	7440-61-1	21 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	210	-None Specified
Vanadium	7440-62-2	49 *Minimum Criteria Systemic Toxicant*	*NA*	*NA*	490	-None Specified
Vernam	1929-77-7	7 *Minimum Criteria Systemic Toxicant*	11.5 *Toxicity Criteria*	11.5 *Toxicity Criteria*	70	-Body Weight
Vinyl acetate	108-05-4	88 *Minimum Criteria Organoleptic*	700 *Toxicity Criteria*	700 *Toxicity Criteria*	880	-Body Weight -Kidney -Nasal
Vinyl chloride	75-01-4	1 *Primary Standard Carcinogen*	*NA*	*NA*	10	-Carcinogen
Xylenes, total	1330-20-7	20 *Secondary Standard Systemic Toxicant*	370 *Toxicity Criteria*	370 *Toxicity Criteria*	200	-Body Weight -Mortality -Neurological
Zinc	7440-66-6	5000 *Secondary Standard Systemic Toxicant*	*62-302 a*	86 *62-302*	50000	-Blood

Table 2 - Technical Report

Soil Cleanup Target Levels

Contaminant	CAS#	Direct Exposure		Leachability Based on Groundwater Criteria	Leachability Based on Freshwater Surface Water Criteria	Leachability Based on Marine Surface Water Criteria	Leachability Based on Groundwater of Low Yield/ Poor Quality	Target Organ/System or Effect
		Residential	Commercial/ Industrial					
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Acenaphthene	83-32-9	1900	18000	2.1	0.7	0.7	21	-Liver
Acenaphthylene	208-96-8	1100	11000	27	0.7	0.7	270	-Body Weight -Liver
Acephate	30560-19-1	64	130	0.03	0.8	0.8	0.3	-Carcinogen -Neurological
Acetone	67-64-1	780	5500	2.8	6.8	6.8	28	-Kidney -Liver -Neurological
Acetonitrile	75-05-8	120	960	2	80	80	20	-Blood -Liver
Acetophenone	98-86-2	2700	24000	3.9	44	44	39	-None Specified
Acrolein	107-02-8	0.04	0.3	0.06	0.002	0.002	0.6	-Nasal
Acrylamide	79-06-1	0.1	0.3	0.004	0.02	0.02	0.04	-Carcinogen -Neurological
Acrylonitrile	107-13-1	0.3	0.5	0.004	0.2	0.2	0.04	-Carcinogen -Nasal -Reproductive
Alachlor	15972-60-8	12	36	0.02	0.006	0.006	0.2	-Blood -Carcinogen
Aldicarb [or Temik]	116-06-3	56	760	0.03	0.004	0.004	0.3	-Neurological
Aldrin	309-00-2	0.07	0.3	0.5	0.01	0.01	5	-Carcinogen -Liver
Allyl alcohol	107-18-6	62	460	1	0.02	0.02	10	-Kidney -Liver
Aluminum	7429-90-5	72000	*	***	***	***	***	-Body Weight
Aluminum phosphide	20859-73-8	31	730	***	***	***	***	-Body Weight
Ametryn	834-12-8	590	9300	0.8	0.08	0.08	8	-Liver
Ammonia (a)	7664-41-7	550	3700	570	4	NA	5700	-Respiratory
Aniline	62-53-3	14	100	0.03	0.02	0.02	0.3	-Blood -Carcinogen
Anthracene	120-12-7	18000	260000	2500	0.7	0.7	25000	-None Specified

Table 2 - Technical Report

Soil Cleanup Target Levels

Contaminant	CAS#	Direct Exposure		Leachability Based on Groundwater Criteria	Leachability Based on Freshwater Surface Water Criteria	Leachability Based on Marine Surface Water Criteria	Leachability Based on Groundwater of Low Yield/ Poor Quality	Target Organ/System or Effect
		Residential	Commercial/ Industrial					
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Benzyl chloride	100-44-7	0.8	1.2	0.006	0.03	0.03	0.06	-Carcinogen
Beryllium (b)(c)	7440-41-7	120	800	63	***	***	630	-Carcinogen -Gastrointestinal -Respiratory
Bidrin [or Dicrotophos]	141-66-2	5.5	67	0.005	0.1	0.1	0.05	-Developmental
Biphenyl, 1,1- [or Diphenyl]	92-52-4	2300	26000	0.2	5.8	5.8	2	-Kidney
Bis(2-chloroethyl)ether	111-44-4	0.3	0.4	0.02	0.05	0.05	0.2	-Carcinogen
Bis(2-chloroisopropyl)ether	108-60-1	4.4	7.3	0.07	0.003	0.003	0.7	-Blood -Carcinogen
Bis(2-ethylhexyl)phthalate [or DEHP]	117-81-7	76	280	3600	12	12	36000	-Carcinogen -Liver
Bisphenol A	80-05-7	3300	51000	11	1.7	1.7	110	-Body Weight
Boron	7440-42-8	7000	160000	***	NA	NA	***	-Reproductive -Respiratory
Bromacil	314-40-9	5700	72000	0.6	0.6	0.6	6	-Body Weight
Bromochloromethane	74-97-5	57	390	0.6	NA	NA	6	-None Specified
Bromodichloromethane	75-27-4	1.4	2	0.004	0.1	0.1	0.04	-Carcinogen -Kidney
Bromoform	75-25-2	48	84	0.03	2.7	2.7	0.3	-Carcinogen -Liver
Bromomethane [or Methyl bromide]	74-83-9	2.2	15	0.05	0.2	0.2	0.5	-Gastrointestinal
Butanol, 1-	71-36-3	1300	10000	3	110	110	30	-Neurological
Butanone, 2- [or MEK]	78-93-3	3100	21000	17	490	490	170	-Developmental
Butyl benzyl phthalate, n-	85-68-7	15000	320000	310	56	56	3100	-Liver
Butylate	2008-41-5	2100	22000	5.2	0.2	0.2	52	-Liver
Butylphthalyl butylglycolate	85-70-1	74000	•	4200	NA	NA	42000	-None Specified

Table 2 - Technical Report
Soil Cleanup Target Levels

Contaminant	CAS#	Direct Exposure		Leachability Based on Groundwater Criteria	Leachability Based on Freshwater Surface Water Criteria	Leachability Based on Marine Surface Water Criteria	Leachability Based on Groundwater of Low Yield/ Poor Quality	Target Organ/System or Effect
		Residential	Commercial/ Industrial					
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Chloromethane	74-87-3	1.7	2.3	0.01	2.3	2.3	0.1	-Carcinogen
Chloronaphthalene, beta-	91-58-7	4000	49000	260	NA	NA	2600	-Liver -Respiratory
Chloronitrobenzene, p-	100-00-5	28	55	3.7	1.6	1.6	37	-Carcinogen
Chlorophenol, 2-	95-57-8	82	640	0.7	2.5	2.5	7	-Reproductive
Chlorophenol, 3-	108-43-0	280	3400	0.2	3.1	3.1	2	-None Specified
Chlorophenol, 4-	106-48-9	220	2400	0.04	1.2	1.2	0.4	-None Specified
Chlorothalonil [or Bravo]	1897-45-6	88	280	0.2	0.06	0.06	2	-Carcinogen -Kidney
Chlorotoluene, o-	95-49-8	120	850	2.8	7.7	7.7	28	-Body Weight
Chlorotoluene, p-	106-43-4	100	730	2.5	NA	NA	25	-None Specified
Chlorpropham	101-21-3	13000	200000	51	7	7	510	-Bone Marrow -Kidney -Liver -Spleen
Chlorpyrifos	2921-88-2	220	4200	15	0.001	0.001	150	-Neurological
Chromium (hexavalent) (b)	18540-29-9	210	420	38	***	***	380	-Carcinogen -Respiratory
Chrysene	218-01-9	140	450	77	0.7	0.7	770	-Carcinogen
Cobalt	7440-48-4	4700	110000	***	NA	NA	***	-Cardiovascular -Immunological -Neurological -Reproductive
Copper	7440-50-8	110**	76000	***	***	***	***	-Gastrointestinal
Coumaphos	56-72-4	18	300	0.3	0.0007	0.0007	3	-Neurological
Crotonaldehyde	123-73-9	0.07	0.1	17	NA	NA	170	-Carcinogen
Cumene [or Isopropyl benzene]	98-82-8	160	1100	0.2	56	56	2	-Adrenals -Kidney
Cyanide (potassium salt) (b)	57-12-5	30**	39000	40	***	***	400	-Body Weight -Neurological -Thyroid

Table 2 - Technical Report
Soil Cleanup Target Levels

Contaminant	CAS#	Direct Exposure		Leachability Based on Groundwater Criteria	Leachability Based on Freshwater Surface Water Criteria	Leachability Based on Marine Surface Water Criteria	Leachability Based on Groundwater of Low Yield/ Poor Quality	Target Organ/System or Effect
		Residential	Commercial/ Industrial					
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Dichlorobenzene, 1,2-	95-50-1	650	4600	17	2.8	2.8	170	-Body Weight
Dichlorobenzene, 1,3-	541-73-1	27	180	0.3	2.8	2.8	3	-None Specified
Dichlorobenzene, 1,4-	106-46-7	6	9	2.2	2.9	2.9	22	-Carcinogen -Liver
Dichlorobenzidine, 3,3'-	91-94-1	2.1	6.3	0.4	0.002	0.002	4	-Carcinogen
Dichlorodifluoromethane	75-71-8	56	370	44	NA	NA	440	-Body Weight -Liver
Dichloroethane, 1,1-	75-34-3	290	2000	0.4	NA	NA	4	-Kidney
Dichloroethane, 1,2- [or EDC]	107-06-2	0.5	0.7	0.01	0.02	0.02	0.1	-Carcinogen
Dichloroethene, 1,1-	75-35-4	0.09	0.1	0.06	0.03	0.03	0.6	-Carcinogen -Liver
Dichloroethene, cis-1,2-	156-59-2	19	130	0.4	NA	NA	4	-Blood
Dichloroethene, trans-1,2-	156-60-5	31	210	0.7	75	75	7	-Blood -Liver
Dichlorophenol, 2,3-	576-24-9	180	2500	0.2	1.2	1.2	2	-None Specified
Dichlorophenol, 2,4-	120-83-2	130	1300	0.005	0.1	0.1	0.05	-Immunological
Dichlorophenol, 2,5-	583-78-8	200	3000	0.5	4.3	4.3	5	-None Specified
Dichlorophenol, 2,6-	87-65-0	170	2200	0.1	2.5	2.5	1	-None Specified
Dichlorophenol, 3,4-	95-77-2	200	3100	0.03	3.9	3.9	0.3	-None Specified
Dichlorophenoxy acetic acid, 2,4-	94-75-7	670	11000	0.7	0.9	0.9	7	-Kidney -Liver
Dichloropropane, 1,2-	78-87-5	0.6	0.8	0.03	15	15	0.3	-Carcinogen -Nasal
Dichloropropene, 1,3-	542-75-6	0.2	0.2	0.001	0.09	0.09	0.01	-Carcinogen -Kidney -Nasal
Dichlorprop	120-36-5	270	3300	0.3	0.3	0.3	3	-None Specified

Soil Cleanup Target Levels

Contaminant	CAS#	Direct Exposure		Leachability Based on Groundwater Criteria	Leachability Based on Freshwater Surface Water Criteria	Leachability Based on Marine Surface Water Criteria	Leachability Based on Groundwater of Low Yield/ Poor Quality	Target Organ/System or Effect
		Residential	Commercial/ Industrial					
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Disulfoton	298-04-4	2.9	56	0.1	0.1	0.1	1	-Neurological
Diuron	330-54-1	130	2000	0.3	0.2	0.2	3	-Blood
Endosulfan	115-29-7	410	6700	3.8	0.005	0.0008	38	-Body Weight -Cardiovascular -Kidney
Endothall	145-73-3	780	7800	0.4	0.4	0.4	4	-Gastrointestinal
Endrin	72-20-8	21	340	1	0.001	0.001	10	-Liver
Epichlorohydrin	106-89-8	11	74	0.03	2.4	2.4	0.3	-Carcinogen -Kidney -Nasal
Ethion	563-12-2	38	780	1.7	0.003	0.003	17	-Neurological
Ethoprop	13194-48-4	5.5	69	0.005	0.002	0.002	0.05	-Neurological
Ethoxyethanol, 2-	110-80-5	8100	65000	120	NA	NA	1200	-Body Weight -Reproductive
Ethyl acetate	141-78-6	5500	39000	26	26	26	260	-Body Weight -Mortality
Ethyl acrylate	140-88-5	1.6	2.2	25	0.6	0.6	250	-Carcinogen
Ethyl chloride [or Chloroethane]	75-00-3	2.9	4	0.06	NA	NA	0.6	-Carcinogen -Developmental
Ethyl dipropylthiocarbamate, S- [or EPTC]	759-94-4	1100	13000	11	15	15	110	-Cardiovascular
Ethyl ether	60-29-7	150	1000	5	850	850	50	-Body Weight
Ethyl methacrylate	97-63-2	380	2600	3.5	NA	NA	35	-Kidney
Ethyl p-nitrophenyl phenylphosphorothioate [or EPN]	2104-64-5	0.7	15	0.04	0.003	0.003	0.4	-Neurological
Ethylbenzene	100-41-4	1100	8400	0.6	12	12	6	-Developmental -Kidney -Liver
Ethylene diamine	107-15-3	610	5500	40	3.2	3.2	400	-Blood -Cardiovascular
Ethylene glycol	107-21-1	24000	180000	56	65	65	560	-Kidney

Table 2 - Technical Report

Soil Cleanup Target Levels

Contaminant	CAS#	Direct Exposure		Leachability Based on Groundwater Criteria	Leachability Based on Freshwater Surface Water Criteria	Leachability Based on Marine Surface Water Criteria	Leachability Based on Groundwater of Low Yield/ Poor Quality	Target Organ/System or Effect
		Residential	Commercial/ Industrial					
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Hexachlorocyclopentadiene	77-47-4	2.4	16	400	24	24	4000	-Gastrointestinal
Hexachloroethane	67-72-1	34	78	0.2	0.08	0.08	2	-Carcinogen -Kidney
Hexahydro-1,3,5-trinitro-1,3,5-triazine [or RDX]	121-82-4	6.7	16	0.007	1.3	1.3	0.07	-Carcinogen -Reproductive
Hexane, n-	110-54-3	500	3600	3.5	1200	1200	35	-Neurological
Hexanone, 2- [or Methyl butyl ketone]	591-78-6	5.1	34	1.4	NA	NA	14	-None Specified
Hexazinone	51235-04-2	1600	18000	1.1	5	5	11	-Body Weight
Hydroquinone	123-31-9	1800	19000	1.4	0.02	0.02	14	-Blood
Indeno(1,2,3-cd)pyrene	193-39-5	1.5	5.3	28	4.3	4.3	280	-Carcinogen
Iron	7439-89-6	23000	480000	***	***	***	***	-Blood -Gastrointestinal
Isobutyl alcohol	78-83-1	4100	31000	8.9	200	200	89	-Neurological
Isophorone	78-59-1	340	580	0.2	3.8	3.8	2	-Carcinogen
Lead (d)	7439-92-1	400	920	***	***	***	***	-Neurological
Linuron	330-55-2	130	2000	0.04	1.4	1.4	0.4	-Blood
Lithium	7439-93-32	1600	40000	***	NA	NA	***	-None Specified
Malathion	121-75-5	1300	20000	4.2	0.003	0.003	42	-Neurological
Maneb	12427-38-2	350	5500	6.3	0.5	0.5	63	-Thyroid
Manganese	7439-96-5	1600	22000	***	NA	NA	***	-Neurological
Mercury	7439-97-6	3.4	26	2.1	0.01	0.01	21	-Neurological
Mercury, methyl	22967-92-6	0.8	5.4	0.002	NA	NA	0.02	-Neurological

Table 2 - Technical Report
Soil Cleanup Target Levels

Contaminant	CAS#	Direct Exposure		Leachability Based on Groundwater Criteria	Leachability Based on Freshwater Surface Water Criteria	Leachability Based on Marine Surface Water Criteria	Leachability Based on Groundwater of Low Yield/ Poor Quality	Target Organ/System or Effect
		Residential	Commercial/ Industrial					
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Methylnaphthalene, 1-	90-12-0	68	470	2.2	10	10	22	-Body Weight -Nasal
Methylnaphthalene, 2-	91-57-6	80	560	6.1	9.1	9.1	61	-Body Weight -Nasal
Methylphenol, 2- [or o-Cresol]	95-48-7	2400	28000	0.3	1.9	1.9	3	-Body Weight -Neurological
Methylphenol, 3- [or m-Cresol]	108-39-4	2500	29000	0.3	3.3	3.3	3	-Body Weight -Neurological
Methylphenol, 4- [or p-Cresol]	106-44-5	250	3000	0.03	0.5	0.5	0.3	-Maternal Death -Neurological -Respiratory
Metolachlor	51218-45-2	9100	120000	1.2	0.01	0.01	12	-Body Weight
Metribuzin	21087-64-9	32	210	2.2	0.8	0.8	22	-Body Weight -Kidney -Liver -Mortality
Mevinphos	7786-34-7	16	240	0.01	0.0003	0.0003	0.1	-Neurological
Molinate	2212-67-1	100	1200	0.1	0.1	0.1	1	-Reproductive
Molybdenum	7439-98-7	390	9700	***	NA	NA	***	-Gout
Naled	300-76-5	130	2100	0.1	0.0002	0.0002	1	-Neurological
Naphthalene	91-20-3	40	270	1.7	2.2	2.2	17	-Body Weight -Nasal
Nickel (b)	7440-02-0	110**	28000	130	***	***	1300	-Body Weight
Nitrate	14797-55-8	120000	*	***	***	***	***	-Blood
Nitrite	14797-65-0	7800	180000	***	***	***	***	-Blood
Nitroaniline, o-	88-74-4	5.7	66	0.3	NA	NA	3	-Blood
Nitroaniline, p-	100-01-6	5.2	58	0.1	5.9	5.9	1	-None Specified
Nitrobenzene	98-95-3	14	120	0.03	0.6	0.6	0.3	-Adrenals -Blood -Kidney -Liver
Nitrophenol, 4-	100-02-7	390	4400	0.3	0.3	0.3	3	-None Specified

Soil Cleanup Target Levels

Contaminant	CAS#	Direct Exposure		Leachability Based on Groundwater Criteria	Leachability Based on Freshwater Surface Water Criteria	Leachability Based on Marine Surface Water Criteria	Leachability Based on Groundwater of Low Yield/ Poor Quality	Target Organ/System or Effect
		Residential	Commercial/ Industrial					
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Permethrin	52645-53-1	3700	67000	880	0.003	0.003	8800	-Liver
Phenanthrene	85-01-8	2000	30000	250	0.7	0.7	2500	-Kidney
Phenol	108-95-2	900**	390000	0.05	0.03	0.03	0.5	-Developmental
Phenylenediamine, p-	106-50-3	8000	83000	6.2	NA	NA	62	-Whole Body
Phenylphenol, 2-	90-43-7	460	1300	0.4	0.8	0.8	4	-Carcinogen
Phorate	298-02-2	14	280	0.3	0.001	0.001	3	-Neurological
Phosmet	732-11-6	1400	21000	5	0.004	0.004	50	-Body Weight -Liver -Neurological
Phthalic anhydride	85-44-9	8300	57000	76	NA	NA	760	-Kidney -Nasal -Respiratory
Prometon	1610-18-0	980	14000	2.4	14	14	24	-None Specified
Prometryn	7287-19-6	260	3900	0.7	0.5	0.5	7	-Bone Marrow -Kidney -Liver
Propachlor	1918-16-7	770	10000	1.1	0.1	0.1	11	-Body Weight -Liver
Propanil	709-98-8	300	4100	0.4	0.2	0.2	4	-Spleen
Propazine	139-40-2	1200	17000	0.2	2.7	2.7	2	-Body Weight
Propylene glycol	57-55-6	710000	*	560	140	140	5600	-Blood -Bone Marrow
Propylene oxide	75-56-9	3.2	8.1	22	NA	NA	220	-Carcinogen -Nasal -Respiratory
Pydrin [or Fenvalerate]	51630-58-1	1800	32000	700	0.0001	0.0001	7000	-Neurological
Pyrene	129-00-0	2200	37000	880	1.3	1.3	8800	-Kidney
Pyridine	110-86-1	13	95	0.03	5.4	5.4	0.3	-Liver
Resmethrin	10453-86-8	2200	39000	1200	0.01	0.01	12000	-Reproductive

Table 2 - Technical Report

Soil Cleanup Target Levels

Contaminant	CAS#	Direct Exposure		Leachability Based on Groundwater Criteria	Leachability Based on Freshwater Surface Water Criteria	Leachability Based on Marine Surface Water Criteria	Leachability Based on Groundwater of Low Yield/ Poor Quality	Target Organ/System or Effect
		Residential	Commercial/ Industrial					
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Toxaphene	8001-35-2	1	3.7	31	0.002	0.002	310	-Carcinogen -Developmental
Trialiate	2303-17-5	740	9500	8.4	6	6	84	-Liver -Spleen
Tributyltin oxide	56-35-9	22	400	36	0.2	0.2	360	-Immunological
Trichloro-1,2,2-trifluoroethane, 1,1,2- [or CFC 113]	76-13-1	13000	88000	27000	NA	NA	270000	-Body Weight -Neurological
Trichloroacetic acid	76-03-9	480	4600	1.2	400	400	12	-None Specified
Trichlorobenzene, 1,2,3-	87-61-6	560	7400	4.6	5.6	5.6	46	-Adrenals -Body Weight
Trichlorobenzene, 1,2,4-	120-82-1	560	7500	5.3	1.7	1.7	53	-Adrenals -Body Weight
Trichlorobenzene, 1,3,5-	108-70-3	190	1800	16	NA	NA	160	-None Specified
Trichloroethane, 1,1,1- [or Methyl chloroform]	71-55-6	400	3300	1.9	2.6	2.6	19	-None Specified
Trichloroethane, 1,1,2-	79-00-5	1.3	1.8	0.03	0.2	0.2	0.3	-Carcinogen -Liver
Trichloroethene [or TCE]	79-01-6	6	8.5	0.03	0.9	0.9	0.3	-Carcinogen
Trichlorofluoromethane	75-69-4	200	1300	33	NA	NA	330	-Cardiovascular -Kidney -Mortality -Respiratory
Trichlorophenol, 2,4,5-	95-95-4	6000	82000	0.3	1.5	1.5	3	-Kidney -Liver
Trichlorophenol, 2,4,6-	88-06-2	72	180	0.06	0.1	0.1	0.6	-Carcinogen
Trichlorophenoxy acetic acid, 2,4,5-	93-76-5	590	8300	0.4	0.8	0.8	4	-Kidney
Trichlorophenoxy propionic acid [or Silvex]	93-72-1	590	12000	5.4	NA	NA	54	-Liver
Trichloropropane, 1,2,3-	96-18-4	0.01	0.02	0.001	0.002	0.002	0.01	-Body Weight -Carcinogen -Kidney -Liver -Mortality
Trifluralin	1582-09-8	94	220	3.5	0.6	0.6	35	-Blood -Carcinogen -Liver
Trimethyl phosphate	512-56-1	15	30	0.2	NA	NA	2	-Carcinogen

Table 2 - Technical Report

Soil Cleanup Target Levels

Contaminant	CAS#	Direct Exposure		Leachability Based on Groundwater Criteria	Leachability Based on Freshwater Surface Water Criteria	Leachability Based on Marine Surface Water Criteria	Leachability Based on Groundwater of Low Yield/ Poor Quality	Target Organ/System or Effect
		Residential	Commercial/ Industrial					
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	

Values rounded to two significant figures if >1 and to one significant figure if <1.

* Contaminant is not a health concern for this exposure scenario.

** Direct exposure value based on acute toxicity considerations.

*** Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

(a) = See discussion on the development of SCTLs for Ammonia in the Technical Report: Development of Soil Cleanup Target Levels for Chapter 62-777, F.A.C., Final Report dated XXXX, 1999.

(b) = Leachability values derived from USEPA Soil Screening Guidance (1996). These values were derived assuming soil pH 6.8. These leachability values are dependent upon both the metal concentration in soil and soil characteristics. Thus, if site-specific soil characteristics are different than the defaults, these leachability values may not apply. If this is the case, site-specific leachability values should be derived using methods such as TCLP or SPLP.

(c) = Phytotoxicity must be considered.

(d) = Residential direct exposure value from USEPA Revised Interm Soil Guidance for CERCLA Sites and BCRA Corrective Action Facilities. OSWER Directive 9355.4-12 (1994). The industrial direct exposure value was derived using methodologies outlined in USEPA 'Recommendations of the Technical Review Workgroup for Lead for an Interim Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil', December 1996.

None Specified = Target organ(s) not available at time of rule adoption.

Note: If more than one contaminant is present at a site, the direct exposure values are to be modified, if necessary, such that the sum of the hazard quotients for non-carcinogenic contaminants affecting the same organ(s) is 1 or less. For carcinogens, the direct exposure values shall be modified such that the cummulative lifetime risk level posed by the contaminants is 1.0E-06.

NA = Not available at time of rule adoption

Tab Position 10

USBIOSYSTEMS

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Page: Page 1 of 3
Date: 02/07/2001
Log #: L50249-1

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-1
Date Sampled: 02/01/2001
Time Sampled: 13:30
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Acrolein	BDL	ug/l	5030/8260	50	02/02	02/02	SV
Acrylonitrile	BDL	ug/l	5030/8260	50	02/02	02/02	SV
ızene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
romobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/02	02/02	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/07/2001
Log #: L50249-1

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-1
Date Sampled: 02/01/2001
Time Sampled: 13:30
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	170	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1-Dichloroethene	10	ug/l	5030/8260	1.0	02/02	02/02	SV
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Hexanone	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	02/02	02/02	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/02	02/02	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Naphthalene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Tetrachloroethene	5.4	ug/l	5030/8260	1.0	02/02	02/02	SV
Toluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	02/02	02/02	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Trichloroethene	8.0	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/07/2001
Log #: L50249-1

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-1
Date Sampled: 02/01/2001
Time Sampled: 13:30
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		02/02	02/02	SV
Surrogate Recoveries:							
Dibromofluoromethane	96.0	%	5030/8260	68-145	02/02	02/02	SV
Toluene-D8	98.0	%	5030/8260	62-133	02/02	02/02	SV
4-Bromofluorobenzene	84.0	%	5030/8260	56-135	02/02	02/02	SV
Metals							
Beryllium	BDL	mg/l	3010/6010	0.0040	02/04	02/05	PVP
Chromium	0.052	mg/l	3010/6010	0.0050	02/04	02/05	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	02/05	02/05	AJ
Dilution Factor	1.0		FLPRO		02/05	02/05	AJ
Surrogate Recoveries:							
o-Terphenyl	112	%	FLPRO	82-142	02/05	02/05	AJ
Tritriacontane	100	%	FLPRO	42-139	02/05	02/05	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Page: Page 1 of 3
Date: 02/07/2001
Log #: L50249-2

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-8
Date Sampled: 02/01/2001
Time Sampled: 14:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Acrolein	BDL	ug/l	5030/8260	50	02/02	02/02	SV
Acrylonitrile	BDL	ug/l	5030/8260	50	02/02	02/02	SV
ızene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
romobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/02	02/02	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-8
Date Sampled: 02/01/2001
Time Sampled: 14:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	53	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1-Dichloroethene	1.4	ug/l	5030/8260	1.0	02/02	02/02	SV
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
-Hexanone	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	02/02	02/02	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/02	02/02	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Naphthalene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Tetrachloroethene	40	ug/l	5030/8260	1.0	02/02	02/02	SV
Toluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	02/02	02/02	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Trichloroethene	1.6	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/07/2001
Log #: L50249-2

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-8
Date Sampled: 02/01/2001
Time Sampled: 14:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		02/02	02/02	SV
Surrogate Recoveries:							
Dibromofluoromethane	83.0	%	5030/8260	68-145	02/02	02/02	SV
Toluene-D8	85.0	%	5030/8260	62-133	02/02	02/02	SV
4-Bromofluorobenzene	74.0	%	5030/8260	56-135	02/02	02/02	SV
Metals							
Beryllium	BDL	mg/l	3010/6010	0.0040	02/04	02/05	PVP
Chromium	0.0074	mg/l	3010/6010	0.0050	02/04	02/05	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	02/05	02/05	AJ
Dilution Factor	1.0		FLPRO		02/05	02/05	AJ
Surrogate Recoveries:							
o-Terphenyl	120	%	FLPRO	82-142	02/05	02/05	AJ
Tritriacontane	111	%	FLPRO	42-139	02/05	02/05	AJ

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

QAP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
ELPAT# 13801
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
MA CERT# M-FL449
CT CERT# PH-0122

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/07/2001
Log #: L50249-3

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-9
Date Sampled: 02/01/2001
Time Sampled: 14:15
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Acrolein	BDL	ug/l	5030/8260	50	02/02	02/02	SV
Acrylonitrile	BDL	ug/l	5030/8260	50	02/02	02/02	SV
nzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
romobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/02	02/02	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-9
Date Sampled: 02/01/2001
Time Sampled: 14:15
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	6.2	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1-Dichloroethene	1.1	ug/l	5030/8260	1.0	02/02	02/02	SV
cis-1,2-Dichloroethene	9.0	ug/l	5030/8260	1.0	02/02	02/02	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Hexanone	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	02/02	02/02	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/02	02/02	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Naphthalene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Tetrachloroethene	82	ug/l	5030/8260	1.0	02/02	02/02	SV
Toluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	02/02	02/02	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Trichloroethene	8.6	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Vinyl Chloride	1.5	ug/l	5030/8260	1.0	02/02	02/02	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/07/2001
Log #: L50249-3

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-9
Date Sampled: 02/01/2001
Time Sampled: 14:15
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		02/02	02/02	SV
Surrogate Recoveries:							
Dibromofluoromethane	100	%	5030/8260	68-145	02/02	02/02	SV
Toluene-D8	101	%	5030/8260	62-133	02/02	02/02	SV
4-Bromofluorobenzene	86.0	%	5030/8260	56-135	02/02	02/02	SV
Metals							
Beryllium	BDL	mg/l	3010/6010	0.0040	02/04	02/05	PVP
Chromium	0.011	mg/l	3010/6010	0.0050	02/04	02/05	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	02/05	02/05	AJ
Dilution Factor	1.0		FLPRO		02/05	02/05	AJ
:rogate Recoveries:							
-Terphenyl	109	%	FLPRO	82-142	02/05	02/05	AJ
Tritriacontane	104	%	FLPRO	42-139	02/05	02/05	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/07/2001
Log #: L50249-4

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-6
Date Sampled: 02/01/2001
Time Sampled: 15:45
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Acrolein	BDL	ug/l	5030/8260	50	02/02	02/02	SV
Acrylonitrile	BDL	ug/l	5030/8260	50	02/02	02/02	SV
nzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
romobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/02	02/02	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/07/2001
Log #: L50249-4

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-6
Date Sampled: 02/01/2001
Time Sampled: 15:45
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	56	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1-Dichloroethene	1.2	ug/l	5030/8260	1.0	02/02	02/02	SV
cis-1,2-Dichloroethene	9.4	ug/l	5030/8260	1.0	02/02	02/02	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Hexanone	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	02/02	02/02	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/02	02/02	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Naphthalene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Tetrachloroethene	1.3	ug/l	5030/8260	1.0	02/02	02/02	SV
Toluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	02/02	02/02	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Trichloroethene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/07/2001
Log #: L50249-4

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-6
Date Sampled: 02/01/2001
Time Sampled: 15:45
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		02/02	02/02	SV
Surrogate Recoveries:							
Dibromofluoromethane	95.0	%	5030/8260	68-145	02/02	02/02	SV
Toluene-D8	96.0	%	5030/8260	62-133	02/02	02/02	SV
4-Bromofluorobenzene	79.0	%	5030/8260	56-135	02/02	02/02	SV
Metals							
Beryllium	BDL	mg/l	3010/6010	0.0040	02/04	02/05	PVP
Chromium	BDL	mg/l	3010/6010	0.0050	02/04	02/05	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	02/05	02/05	AJ
Dilution Factor	1.0		FLPRO		02/05	02/05	AJ
Surrogate Recoveries:							
o-Terphenyl	96.0	%	FLPRO	82-142	02/05	02/05	AJ
Tritriacontane	111	%	FLPRO	42-139	02/05	02/05	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/07/2001
Log #: L50249-5

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-10
Date Sampled: 02/01/2001
Time Sampled: 16:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Acrolein	BDL	ug/l	5030/8260	50	02/02	02/02	SV
Acrylonitrile	BDL	ug/l	5030/8260	50	02/02	02/02	SV
ızene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
romobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/02	02/02	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-10
Date Sampled: 02/01/2001
Time Sampled: 16:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds	**(continued)**						
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
cis-1,2-Dichloroethene	1.7	ug/l	5030/8260	1.0	02/02	02/02	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Hexanone	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	02/02	02/02	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/02	02/02	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Naphthalene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Toluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	02/02	02/02	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Trichloroethene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/07/2001
Log #: L50249-5

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-10
Date Sampled: 02/01/2001
Time Sampled: 16:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		02/02	02/02	SV
Surrogate Recoveries:							
Dibromofluoromethane	98.0	%	5030/8260	68-145	02/02	02/02	SV
Toluene-D8	100	%	5030/8260	62-133	02/02	02/02	SV
4-Bromofluorobenzene	80.0	%	5030/8260	56-135	02/02	02/02	SV
Metals							
Beryllium	BDL	mg/l	3010/6010	0.0040	02/04	02/05	PVP
Chromium	0.087	mg/l	3010/6010	0.0050	02/04	02/05	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	02/05	02/05	AJ
Dilution Factor	1.0		FLPRO		02/05	02/05	AJ
rrogate Recoveries:							
-Terphenyl	117	%	FLPRO	82-142	02/05	02/05	AJ
Tritriacontane	99.0	%	FLPRO	42-139	02/05	02/05	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 03/22/2001
Log #: L50249-6

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-3
Date Sampled: 02/01/2001
Time Sampled: 15:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Acrolein	BDL	ug/l	5030/8260	50	02/02	02/02	SV
Acrylonitrile	BDL	ug/l	5030/8260	50	02/02	02/02	SV
Benzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/02	02/02	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chloroethane	1.4	ug/l	5030/8260	1.0	02/02	02/02	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 03/22/2001
Log #: L50249-6

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-3
Date Sampled: 02/01/2001
Time Sampled: 15:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	330 L	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1-Dichloroethene	30	ug/l	5030/8260	1.0	02/02	02/02	SV
cis-1,2-Dichloroethene	1.1	ug/l	5030/8260	1.0	02/02	02/02	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
-Hexanone	BDL	ug/l	5030/8260	10	02/02	02/02	SV
sopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	02/02	02/02	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/02	02/02	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Naphthalene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Tetrachloroethene	1.4	ug/l	5030/8260	1.0	02/02	02/02	SV
Toluene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	02/02	02/02	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Trichloroethene	1.4	ug/l	5030/8260	1.0	02/02	02/02	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/02	02/02	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	02/02	02/02	SV

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-HP-3
Date Sampled: 02/01/2001
Time Sampled: 15:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		02/02	02/02	SV
Surrogate Recoveries:							
Dibromofluoromethane	96.0	%	5030/8260	68-145	02/02	02/02	SV
Toluene-D8	96.0	%	5030/8260	62-133	02/02	02/02	SV
4-Bromofluorobenzene	78.0	%	5030/8260	56-135	02/02	02/02	SV
Metals							
Beryllium	BDL	mg/l	3010/6010	0.0040	02/04	02/05	PVP
Chromium	0.0081	mg/l	3010/6010	0.0050	02/04	02/05	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	02/05	02/05	AJ
Dilution Factor	1.0		FLPRO		02/05	02/05	AJ
Surrogate Recoveries:							
o-Terphenyl	109	%	FLPRO	82-142	02/05	02/05	AJ
Tritriacontane	99.0	%	FLPRO	42-139	02/05	02/05	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

USF .OSYSTEMS

CHAIN OF CUSTODY RECORD

Log # 50249   Quote: RUSH

	YES	NO	N/A
Samples INTACT upon arri			
Received ON WET ICE? Te			
PROPER PRESERVATIVES ind			
Received WITHIN HOLDING Ti			
CUSTODY SEALS INTACT?			
VOLATILES rec'd W/OUT HEADSPACE?			
PROPER CONTAINERS used?			

Company Name: TETRA TECH   PO#:

Address: 670 N. ROSEMEAD BLVD.

City: PASADENA   State: CA   Zip: 91107

Attn: PHIL SKORGE   Fax#: 626-351-5291

Project Name: LOCKHEED - SARASOTA   Proj#: TC-11125-02

Sampler Name/Signature: [signature]   Phone#: 626-351-4664

Parameters: 1 / 2 / C — TPH - FL PRO; 1 / VOL / E — VOCs - EPA 8260; 1 / 2 / B — Beryllium; 4 — Chromium

	Sample Label (Client ID)	Collect Date	Collect Time	Matrix Code*	No.	Sample Containers	TPH - FL PRO	VOCs - EPA 8260	Beryllium	Chromium	Remarks
01	TT-HP-1	2/1/01	1330	GW	4	1AL 1 8P 2 V	X	X	X	X	Rush VOC analyses
02	TT-HP-8	↓	1400	GW	4		X	X	X	X	Hold analyses
03	TT-HP-9		1415	GW	4		X	X	X	X	Hold analyses
04	TT-HP-6		1545	GW	4		X	X	X	X	Rush VOC analyses
05	TT-HP-10		1600	GW	4		X	X	X	X	Hold analyses
06	TT-HP-3 (~~TT-HP-4~~)	2/1/01	1500	GW	4		X	X	X	X	Rush analyses for VOC.
7											
8											
9											
0											5X Del. to VOC

Field Filtered (Y/N)   Integrity OK (Y/N)

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H_2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SU	Surface Water	O	Other (Please Specify)

Pres/Codes

A. None	G. $Na_2S_2O_3$
B. HNO_3	H. $NaHSO_4$
C. H_2SO_4	I. Ice
D. NaOH	J. MCAA
E. HCL	O. Other
F. MeOH	

REMARKS

ORIGINAL

Y/N (N)   Date required   Y___ N___   None___ 1___ 2___ 3___ Other___   (Y) N   KB

Sample #	Date	Relinquished	Date	Time	Received	Date	Time
0		[signature]	2/1/01		[signature]	2-1-01	4:00P
01-06		[signature]	2-1-01	17:00	[signature]	2-1-01	17:00
01-06		[signature]	2-1-01	17:30	CC	2-1-01	17:30
					[signature]	2/2/01	1035

Sealed #

3231 N.W. 7th Avenue
Boca Raton, FL 33431
888-862-LABS
561-447-7373
888-456-4846 Fax
561-447-6136 Fax

C.O.C. # 22417

USBIOSYSTEMS

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Page: Page 1 of 3
Date: 02/06/2001
Log #: L50214-1

Sample Description:

Lockheed - Sarasota,FL
Proj.#: TC-11125-02

Analytical Report: TT-HP7
Date Sampled: 01/31/2001
Time Sampled: 14:15
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Acrolein	BDL	ug/l	5030/8260	50	02/01	02/01	SV
Acrylonitrile	BDL	ug/l	5030/8260	50	02/01	02/01	SV
ızene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
romobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/01	02/01	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/06/2001
Log #: L50214-1

Sample Description:

Lockheed - Sarasota,FL
Proj.#: TC-11125-02

Analytical Report: TT-HP7
Date Sampled: 01/31/2001
Time Sampled: 14:15
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	42	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1-Dichloroethene	8.1	ug/l	5030/8260	1.0	02/01	02/01	SV
cis-1,2-Dichloroethene	22	ug/l	5030/8260	1.0	02/01	02/01	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Hexanone	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	02/01	02/01	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/01	02/01	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Naphthalene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Tetrachloroethene	170	ug/l	5030/8260	1.0	02/01	02/01	SV
Toluene	1.8	ug/l	5030/8260	1.0	02/01	02/01	SV
Total Xylenes	1.9	ug/l	5030/8260	2.0	02/01	02/01	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Trichloroethene	13	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/06/2001
Log #: L50214-1

Sample Description:

Lockheed - Sarasota,FL
Proj.#: TC-11125-02

Analytical Report: TT-HP7
Date Sampled: 01/31/2001
Time Sampled: 14:15
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		02/01	02/01	SV
Surrogate Recoveries:							
Dibromofluoromethane	105	%	5030/8260	68-145	02/01	02/01	SV
Toluene-D8	111	%	5030/8260	62-133	02/01	02/01	SV
4-Bromofluorobenzene	92.0	%	5030/8260	56-135	02/01	02/01	SV
Metals							
Beryllium	BDL	mg/l	3010/6010	0.0040	02/02	02/03	PVP
Chromium	BDL	mg/l	3010/6010	0.0050	02/02	02/03	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	02/05	02/05	AJ
Dilution Factor	1.0		FLPRO		02/05	02/05	AJ
rrogate Recoveries:							
o-Terphenyl	96.0	%	FLPRO	82-142	02/05	02/05	AJ
Tritriacontane	111	%	FLPRO	42-139	02/05	02/05	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/06/2001
Log #: L50214-2

Sample Description:

Lockheed - Sarasota,FL
Proj.#: TC-11125-02

Analytical Report: TT-HP2
Date Sampled: 01/31/2001
Time Sampled: 14:30
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	20	02/01	02/01	SV
Acrolein	BDL	ug/l	5030/8260	50	02/01	02/01	SV
Acrylonitrile	BDL	ug/l	5030/8260	50	02/01	02/01	SV
nzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/01	02/01	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
chlorodifluoromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
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Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/06/2001
Log #: L50214-2

Sample Description:

Lockheed - Sarasota,FL
Proj.#: TC-11125-02

Analytical Report: TT-HP2
Date Sampled: 01/31/2001
Time Sampled: 14:30
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	23	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
cis-1,2-Dichloroethene	1.2	ug/l	5030/8260	1.0	02/01	02/01	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Hexanone	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	02/01	02/01	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/01	02/01	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Naphthalene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Tetrachloroethene	1.5	ug/l	5030/8260	1.0	02/01	02/01	SV
Toluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	02/01	02/01	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Trichloroethene	1.7	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Vinyl Chloride	4.0	ug/l	5030/8260	1.0	02/01	02/01	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/06/2001
Log #: L50214-2

Sample Description:

Lockheed - Sarasota,FL
Proj.#: TC-11125-02

Analytical Report: TT-HP2
Date Sampled: 01/31/2001
Time Sampled: 14:30
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		02/01	02/01	SV
Surrogate Recoveries:							
Dibromofluoromethane	90.0	%	5030/8260	68-145	02/01	02/01	SV
Toluene-D8	93.0	%	5030/8260	62-133	02/01	02/01	SV
4-Bromofluorobenzene	76.0	%	5030/8260	56-135	02/01	02/01	SV
Metals							
Beryllium	BDL	mg/l	3010/6010	0.0040	02/02	02/03	PVP
Chromium	0.012	mg/l	3010/6010	0.0050	02/02	02/03	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	02/05	02/05	AJ
Dilution Factor	1.0		FLPRO		02/05	02/05	AJ
Surrogate Recoveries:							
o-Terphenyl	105	%	FLPRO	82-142	02/05	02/05	AJ
Tritriacontane	114	%	FLPRO	42-139	02/05	02/05	AJ

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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

QAP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
ELPAT# 13801
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
MA CERT# M-FL449
CT CERT# PH-0122

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/06/2001
Log #: L50214-3

Sample Description:

Lockheed - Sarasota,FL
Proj.#: TC-11125-02

Analytical Report: TT-HP5-D
Date Sampled: 01/31/2001
Time Sampled: 14:35
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Acrolein	BDL	ug/l	5030/8260	50	02/01	02/01	SV
Acrylonitrile	BDL	ug/l	5030/8260	50	02/01	02/01	SV
nzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/01	02/01	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
chlorodifluoromethane	130	ug/l	5030/8260	1.0	02/01	02/01	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/06/2001
Log #: L50214-3

Sample Description:

Lockheed - Sarasota,FL
Proj.#: TC-11125-02

Analytical Report: TT-HP5-D
Date Sampled: 01/31/2001
Time Sampled: 14:35
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	51	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1-Dichloroethene	33	ug/l	5030/8260	1.0	02/01	02/01	SV
cis-1,2-Dichloroethene	36	ug/l	5030/8260	1.0	02/01	02/01	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Hexanone	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Methylene Chloride	53	ug/l	5030/8260	5.0	02/01	02/01	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/01	02/01	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Naphthalene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Tetrachloroethene	20	ug/l	5030/8260	1.0	02/01	02/01	SV
Toluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	02/01	02/01	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Trichloroethene	1500	ug/l	5030/8260	100	02/01	02/01	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Vinyl Chloride	3.2	ug/l	5030/8260	1.0	02/01	02/01	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/06/2001
Log #: L50214-3

Sample Description:

Lockheed - Sarasota,FL
Proj.#: TC-11125-02

Analytical Report: TT-HP5-D
Date Sampled: 01/31/2001
Time Sampled: 14:35
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		02/01	02/01	SV
Surrogate Recoveries:							
Dibromofluoromethane	104	%	5030/8260	68-145	02/01	02/01	SV
Toluene-D8	105	%	5030/8260	62-133	02/01	02/01	SV
4-Bromofluorobenzene	89.0	%	5030/8260	56-135	02/01	02/01	SV
Metals							
Beryllium	0.0099	mg/l	3010/6010	0.0040	02/02	02/03	PVP
Chromium	0.20	mg/l	3010/6010	0.0050	02/02	02/03	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	02/05	02/05	AJ
Dilution Factor	1.0		FLPRO		02/05	02/05	AJ
rrogate Recoveries:							
o-Terphenyl	99.0	%	FLPRO	82-142	02/05	02/05	AJ
Tritriacontane	111	%	FLPRO	42-139	02/05	02/05	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 03/22/2001
Log #: L50214-4

Sample Description:

Lockheed - Sarasota,FL
Proj.#: TC-11125-02

Analytical Report: TT-HP4-S
Date Sampled: 01/31/2001
Time Sampled: 14:45
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Acrolein	BDL	ug/l	5030/8260	50	02/01	02/01	SV
Acrylonitrile	BDL	ug/l	5030/8260	50	02/01	02/01	SV
ızene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
ɔmobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/01	02/01	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV

Sample Description:

Lockheed - Sarasota,FL
Proj.#: TC-11125-02

Analytical Report: TT-HP4-S
Date Sampled: 01/31/2001
Time Sampled: 14:45
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,1-Dichloroethane	22	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
cis-1,2-Dichloroethene	3.5	ug/l	5030/8260	1.0	02/01	02/01	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Ethylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
`-Hexanone	BDL	ug/l	5030/8260	10	02/01	02/01	SV
`sopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	02/01	02/01	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/01	02/01	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Naphthalene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Tetrachloroethene	2.8	ug/l	5030/8260	1.0	02/01	02/01	SV
Toluene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	02/01	02/01	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Trichloroethene	1.0	ug/l	5030/8260	1.0	02/01	02/01	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/01	02/01	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/01	02/01	SV
Vinyl Chloride	1.2	ug/l	5030/8260	1.0	02/01	02/01	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 03/22/2001
Log #: L50214-4

Sample Description:

Lockheed - Sarasota,FL
Proj.#: TC-11125-02

Analytical Report: TT-HP4-S
Date Sampled: 01/31/2001
Time Sampled: 14:45
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
Dilution Factor	1.0		5030/8260		02/01	02/01	SV
Surrogate Recoveries:							
Dibromofluoromethane	101	%	5030/8260	68-145	02/01	02/01	SV
Toluene-D8	102	%	5030/8260	62-133	02/01	02/01	SV
4-Bromofluorobenzene	82.0	%	5030/8260	56-135	02/01	02/01	SV
Metals							
Beryllium	BDL	mg/l	3010/6010	0.0040	02/02	02/03	PVP
Chromium	0.033	mg/l	3010/6010	0.0050	02/02	02/03	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	02/05	02/05	AJ
Dilution Factor	1.0		FLPRO		02/05	02/05	AJ
Surrogate Recoveries:							
o-Terphenyl	108	%	FLPRO	82-142	02/05	02/05	AJ
Tritriacontane	110	%	FLPRO	42-139	02/05	02/05	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

CHAIN OF CUSTODY RECORD

USL LOSYSTEMS

Log # 50214 Quote: 65/200 ~~SHORT HOLD~~ 15/15

	YES	NO	N/A
Samples INTACT upon arr			
Received ON WET ICE? Tei			
PROPER PRESERVATIVES indic			
Received WITHIN HOLDING TIME?			
CUSTODY SEALS INTACT?			
VOLATILES rec'd W/OUT HEADSPACE?			
PROPER CONTAINERS used?			

Company Name: TETRA TECH, INC. PO#:

Address: 670 N. ROSEMEAD BLVD.

City: PASADENA State: CA Zip: 91107

Attn: PHIL SICORGE Fax#: 626-351-5291

Project Name: LOCKHEED - SARASOTA Proj#: TC-11125-02

Sampler Name/Signature: [signature] Phone#: 626-351-4664

		Date	Time	Matrix Code*	# Containers	Preservative	TPH (FL-PRO)	VOCs (8260)	Beryllium	Chromium								Field Filtered (Y/N)	Integrity OK (Y/N)
01	TT-HP7	1/31/01	1415	GW	4	(1) HCl (2) ✓	X	X	X	X									
02	TT-HP2	↓	1430	GW	4		X	X	X	X									
03	TT-HP5-D	↓	1435	GW	4		X	X	X	X									
04	~~TT-HP5-S~~ TT-HP4-S (4)	1/31/01	1445	GW	4		X	X	X	X									
05																			
06																			
07																			
08																			
09																			
10																			

RUSH (only Volatiles)

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H_2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SU	Surface Water	O	Other ____ (Please Specify)

Pres/Codes

A. None	G. $Na_2S_2O_3$
B. HNO_3	H. $NaHSO_4$
C. H_2SO_4	I. Ice
D. NaOH	J. MCAA
E. HCL	O. Other
F. MeOH	

REMARKS

VOC analyses are RUSH Turnaround (24-h)

Other analyses are standard

ORIGINAL

VOL SX Del to Lab

Y/N	Date required	Y ____ N ✓	None ✓ 1 ____ 2 ____ 3 ____ Other ____	Y/N	
				Y	FB

		Date/Time	Received by	Date/Time
	01-04 [signature]	1/31/01 16:30	[signature]	1-31-01 16:30
	01-04 [signature]	1-31-01 17:00	CG	1-31-01 17:00
			[signature]	2/1/01 0930

____

3231 N.W. 7th Avenue
Boca Raton, FL 33431
888-862-LABS
561-447-7373
888-456-4846 Fax
561-447-6136 Fax

C.O.C. # 22440

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Page: Page 1 of 1
Date: 03/22/2001
Log #: L50175-1

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB17-1-2
Date Sampled: 01/30/2001
Time Sampled: 09:45
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	95	%	SM2540B	0.10	01/31	01/31	KB
Metals							
Arsenic	BDL	mg/kg (dw)	3050/6010	0.53	02/02	02/03	PVP

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

QAP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
ELPAT# 13801
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
MA CERT# M-FL449
CT CERT# PH-0122

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Page: Page 1 of 1
Date: 03/22/2001
Log #: L50175-2

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB17-5
Date Sampled: 01/30/2001
Time Sampled: 10:00
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	94	%	SM2540B	0.10	01/31	01/31	KB
Metals							
Arsenic	BDL	mg/kg (dw)	3050/6010	0.53	02/02	02/03	PVP

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

QAP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
ELPAT# 13801
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
MA CERT# M-FL449
CT CERT# PH-0122

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Page: Page 1 of 1
Date: 02/08/2001
Log #: L50175-3

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB15-1-2
Date Sampled: 01/30/2001
Time Sampled: 10:15
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	95	%	SM2540B	0.10	01/31	01/31	KB
Metals							
Arsenic	1.1	mg/kg (dw)	3050/6010	0.53	02/02	02/03	PVP

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

QAP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
ELPAT# 13801
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
MA CERT# M-FL449
CT CERT# PH-0122

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Page: Page 1 of 1
Date: 02/08/2001
Log #: L50175-4

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB15-5
Date Sampled: 01/30/2001
Time Sampled: 10:30
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	87	%	SM2540B	0.10	01/31	01/31	KB
Metals							
rsenic	BDL	mg/kg (dw)	3050/6010	0.57	02/02	02/03	PVP

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Page: Page 1 of 1
Date: 02/08/2001
Log #: L50175-5

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB16-1-2
Date Sampled: 01/30/2001
Time Sampled: 10:40
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	96	%	SM2540B	0.10	01/31	01/31	KB
Metals							
Arsenic	BDL	mg/kg (dw)	3050/6010	0.63	02/02	02/03	PVP

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

QAP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
ELPAT# 13801
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
MA CERT# M-FL449
CT CERT# PH-0122

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Page: Page 1 of 1
Date: 02/08/2001
Log #: L50175-6

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB16-5
Date Sampled: 01/30/2001
Time Sampled: 10:45
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	89	%	SM2540B	0.10	01/31	01/31	KB
Metals							
Arsenic	BDL	mg/kg (dw)	3050/6010	0.56	02/02	02/03	PVP

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Page: Page 1 of 1
Date: 03/22/2001
Log #: L50175-7

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB18-1-2
Date Sampled: 01/30/2001
Time Sampled: 10:50
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	93	%	SM2540B	0.10	01/31	01/31	KB
Metals							
Arsenic	BDL	mg/kg (dw)	3050/6010	0.54	02/02	02/03	PVP

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Page: Page 1 of 1
Date: 03/22/2001
Log #: L50175-8

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB18-5
Date Sampled: 01/30/2001
Time Sampled: 11:00
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	88	%	SM2540B	0.10	01/31	01/31	KB
Metals							
Arsenic	BDL	mg/kg (dw)	3050/6010	0.57	02/02	02/03	PVP

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

QAP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
ELPAT# 13801
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
MA CERT# M-FL449
CT CERT# PH-0122

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-9

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB10-3
Date Sampled: 01/30/2001
Time Sampled: 12:47
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	93	%	SM2540B	0.10	01/31	01/31	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	5.4	01/31	02/07	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	2.7	01/31	02/07	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	2.7	01/31	02/07	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.22	01/31	02/07	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.22	01/31	02/07	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	5.4	01/31	02/07	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	5.4	01/31	02/07	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.22	01/31	02/07	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.22	01/31	02/07	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB10-3
Date Sampled: 01/30/2001
Time Sampled: 12:47
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.22	01/31	02/07	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.22	01/31	02/07	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.22	01/31	02/07	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	5.4	01/31	02/07	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	5.4	01/31	02/07	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	1.1	01/31	02/07	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	5.4	01/31	02/07	BL
MTBE	BDL	mg/kg (dw)	5035/8260	5.4	01/31	02/07	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.43	01/31	02/07	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.11	01/31	02/07	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.22	01/31	02/07	BL
1,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB10-3
Date Sampled: 01/30/2001
Time Sampled: 12:47
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.54	01/31	02/07	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	1.1	01/31	02/07	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.43	01/31	02/07	BL
Dilution Factor	100		5035/8260		01/31	02/07	BL
Surrogate Recoveries:							
Dibromofluoromethane	77.0	%	5035/8260	52-155	01/31	02/07	BL
Toluene-D8	112	%	5035/8260	46-154	01/31	02/07	BL
4-Bromofluorobenzene	88.0	%	5035/8260	36-138	01/31	02/07	BL
Metals							
Beryllium	1.5	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
Chromium	4.6	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
lorida Petroleum Range Organics							
rPH(C8-C40)	6800	mg/kg (dw)	FLPRO	540	02/06	02/07	AW
Dilution Factor	100		FLPRO		02/06	02/07	AW
Surrogate Recoveries:							
o-Terphenyl	DL	%	FLPRO	62-109	02/06	02/07	AW
Tritriacontane	DL	%	FLPRO	60-118	02/06	02/07	AW

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

QAP# 980126 DOH# E86240 NC CERT# 444
SUB DOH# 86122,86109,E86048 ADEM ID# 40850 MA CERT# M-FL449
SC CERT# 96031001 TN CERT# 02985 CT CERT# PH-0122
ELPAT# 13801 GA CERT# 917
VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-10

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB10-6
Date Sampled: 01/30/2001
Time Sampled: 13:00
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	86	%	SM2540B	0.10	01/31	01/31	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.070	01/31	02/07	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.035	01/31	02/07	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.035	01/31	02/07	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0028	01/31	02/07	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0028	01/31	02/07	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.070	01/31	02/07	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.070	01/31	02/07	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0028	01/31	02/07	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0028	01/31	02/07	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB10-6
Date Sampled: 01/30/2001
Time Sampled: 13:00
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0028	01/31	02/07	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0028	01/31	02/07	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0028	01/31	02/07	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.070	01/31	02/07	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.070	01/31	02/07	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.014	01/31	02/07	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.070	01/31	02/07	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.070	01/31	02/07	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0056	01/31	02/07	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0014	01/31	02/07	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0028	01/31	02/07	BL
1,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-10

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB10-6
Date Sampled: 01/30/2001
Time Sampled: 13:00
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0070	01/31	02/07	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.014	01/31	02/07	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0056	01/31	02/07	BL
Dilution Factor	1.2		5035/8260		01/31	02/07	BL
Surrogate Recoveries:							
Dibromofluoromethane	96.0	%	5035/8260	52-155	01/31	02/07	BL
Toluene-D8	83.0	%	5035/8260	46-154	01/31	02/07	BL
4-Bromofluorobenzene	69.0	%	5035/8260	36-138	01/31	02/07	BL
Metals							
Beryllium	2.6	mg/kg (dw)	3050/6010	1.2	02/02	02/03	PVP
Chromium	9.7	mg/kg (dw)	3050/6010	1.2	02/02	02/03	PVP
orida Petroleum Range Organics							
PH(C8-C40)	6200	mg/kg (dw)	FLPRO	120	02/06	02/07	AW
Dilution Factor	20		FLPRO		02/06	02/07	AW
Surrogate Recoveries:							
o-Terphenyl	DL	%	FLPRO	62-109	02/06	02/07	AW
Tritriacontane	DL	%	FLPRO	60-118	02/06	02/07	AW

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-11

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB9-3
Date Sampled: 01/30/2001
Time Sampled: 13:25
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	92	%	SM2540B	0.10	01/31	01/31	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.075	01/31	02/07	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.033	01/31	02/07	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.033	01/31	02/07	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-11

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB9-3
Date Sampled: 01/30/2001
Time Sampled: 13:25
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.013	01/31	02/07	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0052	01/31	02/07	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0013	01/31	02/07	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
1,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-11

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB9-3
Date Sampled: 01/30/2001
Time Sampled: 13:25
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.013	01/31	02/07	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0052	01/31	02/07	BL
Dilution Factor	1.2		5035/8260		01/31	02/07	BL
Surrogate Recoveries:							
Dibromofluoromethane	89.0	%	5035/8260	52-155	01/31	02/07	BL
Toluene-D8	69.0	%	5035/8260	46-154	01/31	02/07	BL
4-Bromofluorobenzene	61.0	%	5035/8260	36-138	01/31	02/07	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
Chromium	3.4	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
orida Petroleum Range Organics							
PH(C8-C40)	4800	mg/kg (dw)	FLPRO	110	02/06	02/07	AW
Dilution Factor	20		FLPRO		02/06	02/07	AW
Surrogate Recoveries:							
o-Terphenyl	DL	%	FLPRO	62-109	02/06	02/07	AW
Tritriacontane	DL	%	FLPRO	60-118	02/06	02/07	AW

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

QAP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
ELPAT# 13801
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
MA CERT# M-FL449
CT CERT# PH-0122

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-12

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB9-6
Date Sampled: 01/30/2001
Time Sampled: 13:30
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	85	%	SM2540B	0.10	01/31	01/31	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.059	01/31	02/07	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.029	01/31	02/07	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.029	01/31	02/07	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.059	01/31	02/07	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.059	01/31	02/07	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB9-6
Date Sampled: 01/30/2001
Time Sampled: 13:30
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.059	01/31	02/07	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.059	01/31	02/07	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.012	01/31	02/07	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.059	01/31	02/07	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.059	01/31	02/07	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0047	01/31	02/07	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0012	01/31	02/07	BL
Tetrachloroethene	0.011	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
1,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-12

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB9-6
Date Sampled: 01/30/2001
Time Sampled: 13:30
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0059	01/31	02/07	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.012	01/31	02/07	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0047	01/31	02/07	BL
Dilution Factor	1.0		5035/8260		01/31	02/07	BL
Surrogate Recoveries:							
Dibromofluoromethane	111	%	5035/8260	52-155	01/31	02/07	BL
Toluene-D8	86.0	%	5035/8260	46-154	01/31	02/07	BL
4-Bromofluorobenzene	131	%	5035/8260	36-138	01/31	02/07	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.2	02/02	02/03	PVP
Chromium	13	mg/kg (dw)	3050/6010	1.2	02/02	02/03	PVP
lorida Petroleum Range Organics							
TPH(C8-C40)	6700	mg/kg (dw)	FLPRO	290	02/06	02/07	AW
Dilution Factor	50		FLPRO		02/06	02/07	AW
Surrogate Recoveries:							
o-Terphenyl	DL	%	FLPRO	62-109	02/06	02/07	AW
Tritriacontane	DL	%	FLPRO	60-118	02/06	02/07	AW

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-13

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB7-3
Date Sampled: 01/30/2001
Time Sampled: 13:35
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	93	%	SM2540B	0.10	01/31	01/31	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.032	01/31	02/07	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.032	01/31	02/07	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL

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Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-13

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB7-3
Date Sampled: 01/30/2001
Time Sampled: 13:35
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
Ethylbenzene	0.0071	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.013	01/31	02/07	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0052	01/31	02/07	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0013	01/31	02/07	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL

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Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-13

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB7-3
Date Sampled: 01/30/2001
Time Sampled: 13:35
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.013	01/31	02/07	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0052	01/31	02/07	BL
Dilution Factor	1.2		5035/8260		01/31	02/07	BL
Surrogate Recoveries:							
Dibromofluoromethane	104	%	5035/8260	52-155	01/31	02/07	BL
Toluene-D8	89.0	%	5035/8260	46-154	01/31	02/07	BL
4-Bromofluorobenzene	62.0	%	5035/8260	36-138	01/31	02/07	BL
Metals							
Beryllium	11	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
Chromium	3.2	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
lorida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/kg (dw)	FLPRO	5.4	02/06	02/06	AW
Dilution Factor	1.0		FLPRO		02/06	02/06	AW
Surrogate Recoveries:							
o-Terphenyl	67.0	%	FLPRO	62-109	02/06	02/06	AW
Tritriacontane	61.0	%	FLPRO	60-118	02/06	02/06	AW

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

QAP# 980126 DOH# E86240 NC CERT# 444
SUB DOH# 86122,86109,E86048 ADEM ID# 40850 MA CERT# M-FL449
SC CERT# 96031001 TN CERT# 02985 CT CERT# PH-0122
ELPAT# 13801 GA CERT# 917
VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-14

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB7-6
Date Sampled: 01/30/2001
Time Sampled: 13:40
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	82	%	SM2540B	0.10	01/31	01/31	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.061	01/31	02/07	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.030	01/31	02/07	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.030	01/31	02/07	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.061	01/31	02/07	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.061	01/31	02/07	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL

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Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-14

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB7-6
Date Sampled: 01/30/2001
Time Sampled: 13:40
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.061	01/31	02/07	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.061	01/31	02/07	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.012	01/31	02/07	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.061	01/31	02/07	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.061	01/31	02/07	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0049	01/31	02/07	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0012	01/31	02/07	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Total Xylenes	0.011	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0024	01/31	02/07	BL
1,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL

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Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-14

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB7-6
Date Sampled: 01/30/2001
Time Sampled: 13:40
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	01/31	02/07	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.012	01/31	02/07	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0049	01/31	02/07	BL
Dilution Factor	1.0		5035/8260		01/31	02/07	BL
Surrogate Recoveries:							
Dibromofluoromethane	103	%	5035/8260	52-155	01/31	02/07	BL
Toluene-D8	81.0	%	5035/8260	46-154	01/31	02/07	BL
4-Bromofluorobenzene	54.0	%	5035/8260	36-138	01/31	02/07	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.2	02/02	02/03	PVP
Chromium	1.8	mg/kg (dw)	3050/6010	1.2	02/02	02/03	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/kg (dw)	FLPRO	6.1	02/06	02/07	AW
Dilution Factor	1.0		FLPRO		02/06	02/07	AW
Surrogate Recoveries:							
o-Terphenyl	64.0	%	FLPRO	62-109	02/06	02/07	AW
Tritriacontane	61.0	%	FLPRO	60-118	02/06	02/07	AW

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
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Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-15

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB8-3
Date Sampled: 01/30/2001
Time Sampled: 13:50
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	92	%	SM2540B	0.10	01/31	01/31	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.033	01/31	02/07	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.033	01/31	02/07	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB8-3
Date Sampled: 01/30/2001
Time Sampled: 13:50
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.013	01/31	02/07	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.065	01/31	02/07	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0052	01/31	02/07	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0013	01/31	02/07	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0026	01/31	02/07	BL
1,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-15

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB8-3
Date Sampled: 01/30/2001
Time Sampled: 13:50
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	01/31	02/07	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.013	01/31	02/07	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0052	01/31	02/07	BL
Dilution Factor	1.2		5035/8260		01/31	02/07	BL
Surrogate Recoveries:							
Dibromofluoromethane	93.0	%	5035/8260	52-155	01/31	02/07	BL
Toluene-D8	71.0	%	5035/8260	46-154	01/31	02/07	BL
4-Bromofluorobenzene	50.0	%	5035/8260	36-138	01/31	02/07	BL
Metals							
Beryllium	2.6	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
Chromium	5.7	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
lorida Petroleum Range Organics							
TPH(C8-C40)	1000	mg/kg (dw)	FLPRO	110	02/06	02/07	AW
Dilution Factor	20		FLPRO		02/06	02/07	AW
Surrogate Recoveries:							
o-Terphenyl	DL	%	FLPRO	62-109	02/06	02/07	AW
Tritriacontane	DL	%	FLPRO	60-118	02/06	02/07	AW

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-16

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB8-6
Date Sampled: 01/30/2001
Time Sampled: 14:00
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	87	%	SM2540B	0.10	01/31	01/31	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.057	01/31	02/07	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.029	01/31	02/07	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.029	01/31	02/07	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0023	01/31	02/07	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0023	01/31	02/07	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.057	01/31	02/07	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.057	01/31	02/07	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0023	01/31	02/07	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0023	01/31	02/07	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-16

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB8-6
Date Sampled: 01/30/2001
Time Sampled: 14:00
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0023	01/31	02/07	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0023	01/31	02/07	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0023	01/31	02/07	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.057	01/31	02/07	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.057	01/31	02/07	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.011	01/31	02/07	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.057	01/31	02/07	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.057	01/31	02/07	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0046	01/31	02/07	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0011	01/31	02/07	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Toluene	0.022	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0023	01/31	02/07	BL
2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
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Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-16

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB8-6
Date Sampled: 01/30/2001
Time Sampled: 14:00
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0057	01/31	02/07	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.011	01/31	02/07	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0046	01/31	02/07	BL
Dilution Factor	1.0		5035/8260		01/31	02/07	BL
Surrogate Recoveries:							
Dibromofluoromethane	121	%	5035/8260	52-155	01/31	02/07	BL
Toluene-D8	90.0	%	5035/8260	46-154	01/31	02/07	BL
4-Bromofluorobenzene	129	%	5035/8260	36-138	01/31	02/07	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
Chromium	5.3	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
lorida Petroleum Range Organics							
TPH(C8-C40)	43000	mg/kg (dw)	FLPRO	570	02/06	02/07	AW
Dilution Factor	100		FLPRO		02/06	02/07	AW
Surrogate Recoveries:							
o-Terphenyl	DL	%	FLPRO	62-109	02/06	02/07	AW
Tritriacontane	DL	%	FLPRO	60-118	02/06	02/07	AW

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-17

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB4-3
Date Sampled: 01/30/2001
Time Sampled: 14:10
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	90	%	SM2540B	0.10	01/31	01/31	KB
Volatile Organic Compounds							
cetone	BDL	mg/kg (dw)	5035/8260	0.072	01/31	02/07	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.036	01/31	02/07	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.036	01/31	02/07	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0029	01/31	02/07	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0029	01/31	02/07	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.072	01/31	02/07	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.072	01/31	02/07	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0029	01/31	02/07	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0029	01/31	02/07	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-17

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB4-3
Date Sampled: 01/30/2001
Time Sampled: 14:10
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0029	01/31	02/07	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0029	01/31	02/07	BL
rans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0029	01/31	02/07	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.072	01/31	02/07	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.072	01/31	02/07	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.014	01/31	02/07	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.072	01/31	02/07	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.072	01/31	02/07	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0058	01/31	02/07	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0014	01/31	02/07	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0029	01/31	02/07	BL
',2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-17

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB4-3
Date Sampled: 01/30/2001
Time Sampled: 14:10
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0072	01/31	02/07	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.014	01/31	02/07	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0058	01/31	02/07	BL
Dilution Factor	1.3		5035/8260		01/31	02/07	BL
Surrogate Recoveries:							
Dibromofluoromethane	84.0	%	5035/8260	52-155	01/31	02/07	BL
Toluene-D8	59.0	%	5035/8260	46-154	01/31	02/07	BL
4-Bromofluorobenzene	42.0	%	5035/8260	36-138	01/31	02/07	BL
Metals							
Beryllium	5.8	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
Chromium	2.8	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
orida Petroleum Range Organics							
PH(C8-C40)	3200	mg/kg (dw)	FLPRO	56	02/06	02/07	AW
Dilution Factor	10		FLPRO		02/06	02/07	AW
Surrogate Recoveries:							
o-Terphenyl	DL	%	FLPRO	62-109	02/06	02/07	AW
Tritriacontane	DL	%	FLPRO	60-118	02/06	02/07	AW

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-18

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB4-6
Date Sampled: 01/30/2001
Time Sampled: 14:20
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	88	%	SM2540B	0.10	01/31	01/31	KB
Volatile Organic Compounds							
cetone	BDL	mg/kg (dw)	5035/8260	0.063	01/31	02/07	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.031	01/31	02/07	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.031	01/31	02/07	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0025	01/31	02/07	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0025	01/31	02/07	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.063	01/31	02/07	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.063	01/31	02/07	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0025	01/31	02/07	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0025	01/31	02/07	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
',2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-18

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB4-6
Date Sampled: 01/30/2001
Time Sampled: 14:20
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0025	01/31	02/07	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0025	01/31	02/07	BL
rans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0025	01/31	02/07	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.063	01/31	02/07	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.063	01/31	02/07	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.013	01/31	02/07	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.063	01/31	02/07	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.063	01/31	02/07	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0050	01/31	02/07	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0013	01/31	02/07	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0025	01/31	02/07	BL
,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/08/2001
Log #: L50175-18

Sample Description:

Lockheed Martin-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB4-6
Date Sampled: 01/30/2001
Time Sampled: 14:20
Date Received: 01/30/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0063	01/31	02/07	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.013	01/31	02/07	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0050	01/31	02/07	BL
Dilution Factor	1.1		5035/8260		01/31	02/07	BL
Surrogate Recoveries:							
Dibromofluoromethane	103	%	5035/8260	52-155	01/31	02/07	BL
Toluene-D8	80.0	%	5035/8260	46-154	01/31	02/07	BL
4-Bromofluorobenzene	82.0	%	5035/8260	36-138	01/31	02/07	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
Chromium	3.2	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
lorida Petroleum Range Organics							
TPH(C8-C40)	7400	mg/kg (dw)	FLPRO	280	02/06	02/07	AW
Dilution Factor	50		FLPRO		02/06	02/07	AW
Surrogate Recoveries:							
o-Terphenyl	DL	%	FLPRO	62-109	02/06	02/07	AW
Tritriacontane	DL	%	FLPRO	60-118	02/06	02/07	AW

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

US BIOSYSTEMS

CHAIN OF CUSTODY RECORD

Log # 50175 Quote: 15|25|65|15|15 SHORT-HOLD

LAB USE ONLY	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp			
PROPER PRESERVATIVES indicated?			
Received WITHIN HOLDING TIME?			
CUSTODY SEALS INTACT?			
VOLATILES rec'd W/OUT HEADSPACE?			
PROPER CONTAINERS used?			

Company Name: Tetra Tech PO#: TC-11125-02

Address: 670 N. Rosemead Blvd.

City: Pasadena State: CA Zip: 91107

Attn: Phil Skarge Fax#: 626-351-5291

Project Name: Lockheed-Sarasota Proj#: TC-11125-02

Sampler Name/Signature: [signature] Phone#: 626-351-4664

Parameters: SOIL

	Sample ID	Date	Time	Matrix Code*			Arsenic	VOCs (8260/5035)	FL-PRO (TPH)	Beryllium	Chromium	Field Filtered (Y/N)	Integrity OK (Y/N)	REMARKS
01	(PS) TT-SB17-1-2 ~~SS TT-SB13-1-2~~	1/30/01	0945	SO	1	(1) 4oz	X							Shipping # 118.03
02	(PS) TT-SB17-5 ~~TT-SB13-5~~		1000	SO	1		X							
03	TT-SB15-1-2		1015	SO	1		X							
04	TT-SB15-5		1030	SO	1		X							
05	TT-SB16-1-2		1040	SO	1		X							
06	TT-SB16-5		1045	SO	1		X							
07	(PS) TT-SB18-1-2 ~~TT-SB14-1-2~~		1050	SO	1		X							
08	(PS) TT-SB18-5 ~~TT-SB14-5~~		1100	SO	1		X							
09	TT-SB10-3		1247	SO	4	(1) V (1) 4oz (2) 5035		X	X	X	X			
10	TT-SB10-6	1/30/01	1300	SO	4			X	X	X	X			SH Deli to W/C

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H_2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SU	Surface Water	O	Other ______ (Please Specify)

Pres/Codes

A. None	G. $Na_2S_2O_3$
B. HNO_3	H. $NaHSO_4$
C. H_2SO_4	I. Ice
D. NaOH	J. MCAA
E. HCL	O. Other
F. MeOH	

(Y)/N ______ Date required Y ✓ N ______ None ______ 1 ______ 2 ______ 3 ______ Other ______ COC OK: (Y) N Initials: KB Specific State Certification Required:

			Date	Time	Received by	Date	Time
161 120 59, 155, 123	01-10	[signature]	1/25/01	1036	[signature] 1/26/01	1/26/01	
	01-10	[signature]	1/30/01	1530	[signature]	1-30-01	15:30
	01-10	[signature]	1-30-01	1710	CE	1-30-01	1710
# ______					[signature]	1/31/01	1050

3231 N.W. 7th Avenue
Boca Raton, FL 33431
888-862-LABS
561-447-7373
888-456-4846 Fax
561-447-6136 Fax

C.O.C. # 22416

ORIGINAL

CHAIN OF CUSTODY RECORD

US BIOSYSTEMS

Log # ______ Quote: ______

SHORT-HOLD

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIME?	✓		
CUSTODY SEALS INTACT?	✓		
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

Company Name: Tetra Tech PO#: TC-11125-02
Address: 670 N. Rosemead Blvd.
City: Pasadena, CA State: Zip: 91107
Attn: Phil Skorge Fax#: 626-351-5291
Project Name: Lockheed Martin - Sarasota Proj#: TC-11125-02
Sampler Name/Signature: [signature] Phone#: 626-351-4664

Analyses: SOIL

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix Code*	Containers No.	Size	VOCs (8260/5035)	FL-PRO (TPH)	Beryllium	Chromium
1 1	TT-SB9-3	1/30/01	1325	SO	4	(1) V (1) 4oz, (2) 5035	X	X	X	X
1 2	TT-SB9-6	↓	1330	SO	4	↓	X	X	X	X
1 3	TT-SB7-3		1335	SO	4		X	X	X	X
1 4	TT-SB7-6		1340	SO	4		X	X	X	X
1 5	TT-SB8-3		1350	SO	4		X	X	X	X
1 6	TT-SB8-6		1400	SO	4		X	X	X	X
1 7	TT-SB4-3	↓	1410	SO	4		X	X	X	X
1 8	TT-SB4-6	1/30/01	1420	SO	4		X	X	X	X
9										
0										

Field Filtered (Y/N)

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H_2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SU	Surface Water	O	Other (Please Specify)

Pres/Codes

A. None	G. $Na_2S_2O_3$
B. HNO_3	H. $NaHSO_4$
C. H_2SO_4	I. Ice
D. NaOH	J. MCAA
E. HCL	O. Other
F. MeOH	

REMARKS

SH Deli to Jvc

ORIGINAL

(Y) N | Date required | Y ___ N ___ | None ___ 1 ___ 2 ___ 3 ___ Other ___ | (Y) N | VB

		Relinquished by	Date	Time	Received by	Date	Time
	11-18	[signature]	1-30-01	15:30	[signature]	1-30-01	15:30
	11-14	[signature]	1-30-01	17:00	CC	1-30-01	17:00
Coolers					[signature]	1/31/01	1050
# ______							

3231 N.W. 7th Avenue
Boca Raton, FL 33431
888-862-LABS
561-447-7373
888-456-4846 Fax
561-447-6136 Fax

C.O.C. # 22441

USBIOSYSTEMS

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-1

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB12-3
Date Sampled: 02/01/2001
Time Sampled: 11:45
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	98	%	SM2540B	0.10	02/02	02/02	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.031	02/02	02/09	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.031	02/02	02/09	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-1

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB12-3
Date Sampled: 02/01/2001
Time Sampled: 11:45
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.012	02/02	02/09	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0049	02/02	02/09	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0012	02/02	02/09	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Toluene	0.082	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-1

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB12-3
Date Sampled: 02/01/2001
Time Sampled: 11:45
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.012	02/02	02/09	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0049	02/02	02/09	BL
Dilution Factor	1.2		5035/8260		02/02	02/09	BL
Surrogate Recoveries:							
Dibromofluoromethane	134	%	5035/8260	52-155	02/02	02/09	BL
Toluene-D8	131	%	5035/8260	46-154	02/02	02/09	BL
4-Bromofluorobenzene	66.0	%	5035/8260	36-138	02/02	02/09	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.0	02/05	02/06	PVP
Chromium	BDL	mg/kg (dw)	3050/6010	1.0	02/05	02/06	PVP
lorida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/kg (dw)	FLPRO	5.1	02/08	02/10	AJ
Dilution Factor	1.0		FLPRO		02/08	02/10	AJ
Surrogate Recoveries:							
o-Terphenyl	106	%	FLPRO	62-109	02/08	02/10	AJ
Tritriacontane	83.0	%	FLPRO	60-118	02/08	02/10	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-2

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB12-6
Date Sampled: 02/01/2001
Time Sampled: 12:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	83	%	SM2540B	0.10	02/02	02/02	KB
Volatile Organic Compounds							
:etone	BDL	mg/kg (dw)	5035/8260	0.058	02/02	02/09	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.029	02/02	02/09	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.029	02/02	02/09	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0023	02/02	02/09	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0023	02/02	02/09	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.058	02/02	02/09	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.058	02/02	02/09	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0023	02/02	02/09	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0023	02/02	02/09	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-2

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB12-6
Date Sampled: 02/01/2001
Time Sampled: 12:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0023	02/02	02/09	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0023	02/02	02/09	BL
rans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0023	02/02	02/09	BL
thylbenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.058	02/02	02/09	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.058	02/02	02/09	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.012	02/02	02/09	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.058	02/02	02/09	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.058	02/02	02/09	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0047	02/02	02/09	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0012	02/02	02/09	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0023	02/02	02/09	BL
',2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-2

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB12-6
Date Sampled: 02/01/2001
Time Sampled: 12:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0058	02/02	02/09	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.012	02/02	02/09	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0047	02/02	02/09	BL
Dilution Factor	0.97		5035/8260		02/02	02/09	BL
Surrogate Recoveries:							
Dibromofluoromethane	119	%	5035/8260	52-155	02/02	02/09	BL
Toluene-D8	119	%	5035/8260	46-154	02/02	02/09	BL
4-Bromofluorobenzene	67.0	%	5035/8260	36-138	02/02	02/09	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.2	02/05	02/06	PVP
Chromium	2.7	mg/kg (dw)	3050/6010	1.2	02/05	02/06	PVP
orida Petroleum Range Organics							
PH(C8-C40)	BDL	mg/kg (dw)	FLPRO	6.0	02/08	02/10	AJ
Dilution Factor	1.0		FLPRO		02/08	02/10	AJ
Surrogate Recoveries:							
o-Terphenyl	104	%	FLPRO	62-109	02/08	02/10	AJ
Tritriacontane	74.0	%	FLPRO	60-118	02/08	02/10	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-3

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB5-3
Date Sampled: 02/01/2001
Time Sampled: 12:15
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	92	%	SM2540B	0.10	02/02	02/02	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.087	02/02	02/09	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.043	02/02	02/09	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.043	02/02	02/09	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0035	02/02	02/09	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0035	02/02	02/09	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.087	02/02	02/09	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.087	02/02	02/09	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0035	02/02	02/09	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0035	02/02	02/09	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-3

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB5-3
Date Sampled: 02/01/2001
Time Sampled: 12:15
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0035	02/02	02/09	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0035	02/02	02/09	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0035	02/02	02/09	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.087	02/02	02/09	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.087	02/02	02/09	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.017	02/02	02/09	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.087	02/02	02/09	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.087	02/02	02/09	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0070	02/02	02/09	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0017	02/02	02/09	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0035	02/02	02/09	BL
1,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-3

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB5-3
Date Sampled: 02/01/2001
Time Sampled: 12:15
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0087	02/02	02/09	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.017	02/02	02/09	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0070	02/02	02/09	BL
Dilution Factor	1.6		5035/8260		02/02	02/09	BL
Surrogate Recoveries:							
Dibromofluoromethane	116	%	5035/8260	52-155	02/02	02/09	BL
Toluene-D8	114	%	5035/8260	46-154	02/02	02/09	BL
4-Bromofluorobenzene	54.0	%	5035/8260	36-138	02/02	02/09	BL
Metals							
Beryllium	180	mg/kg (dw)	3050/6010	1.1	02/05	02/06	PVP
Chromium	46	mg/kg (dw)	3050/6010	1.1	02/05	02/06	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/kg (dw)	FLPRO	5.4	02/08	02/10	AJ
Dilution Factor	1.0		FLPRO		02/08	02/10	AJ
Surrogate Recoveries:							
o-Terphenyl	98.0	%	FLPRO	62-109	02/08	02/10	AJ
Tritriacontane	77.0	%	FLPRO	60-118	02/08	02/10	AJ

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

QAP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
ELPAT# 13801
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
MA CERT# M-FL449
CT CERT# PH-0122

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-4

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB5-6
Date Sampled: 02/01/2001
Time Sampled: 12:30
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	90	%	SM2540B	0.10	02/02	02/02	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.031	02/02	02/09	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.031	02/02	02/09	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB5-6
Date Sampled: 02/01/2001
Time Sampled: 12:30
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.012	02/02	02/09	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.061	02/02	02/09	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0049	02/02	02/09	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0012	02/02	02/09	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0024	02/02	02/09	BL
1,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-4

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB5-6
Date Sampled: 02/01/2001
Time Sampled: 12:30
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/02	02/09	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.012	02/02	02/09	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0049	02/02	02/09	BL
Dilution Factor	1.1		5035/8260		02/02	02/09	BL
Surrogate Recoveries:							
Dibromofluoromethane	137	%	5035/8260	52-155	02/02	02/09	BL
Toluene-D8	144	%	5035/8260	46-154	02/02	02/09	BL
4-Bromofluorobenzene	84.0	%	5035/8260	36-138	02/02	02/09	BL
Metals							
Beryllium	6.9	mg/kg (dw)	3050/6010	1.1	02/05	02/06	PVP
Chromium	21	mg/kg (dw)	3050/6010	1.1	02/05	02/06	PVP
lorida Petroleum Range Organics							
ΓPH(C8-C40)	BDL	mg/kg (dw)	FLPRO	5.6	02/08	02/10	AJ
Dilution Factor	1.0		FLPRO		02/08	02/10	AJ
Surrogate Recoveries:							
o-Terphenyl	99.0	%	FLPRO	62-109	02/08	02/10	AJ
Tritriacontane	80.0	%	FLPRO	60-118	02/08	02/10	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-5

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB13-3
Date Sampled: 02/01/2001
Time Sampled: 15:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	91	%	SM2540B	0.10	02/02	02/02	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.066	02/02	02/09	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.033	02/02	02/09	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.033	02/02	02/09	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.066	02/02	02/09	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.066	02/02	02/09	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-5

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB13-3
Date Sampled: 02/01/2001
Time Sampled: 15:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
rans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.066	02/02	02/09	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.066	02/02	02/09	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.013	02/02	02/09	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.066	02/02	02/09	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.066	02/02	02/09	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0013	02/02	02/09	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-5

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB13-3
Date Sampled: 02/01/2001
Time Sampled: 15:00
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/02	02/09	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.013	02/02	02/09	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Dilution Factor	1.2		5035/8260		02/02	02/09	BL
Surrogate Recoveries:							
Dibromofluoromethane	128	%	5035/8260	52-155	02/02	02/09	BL
Toluene-D8	118	%	5035/8260	46-154	02/02	02/09	BL
4-Bromofluorobenzene	57.0	%	5035/8260	36-138	02/02	02/09	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.1	02/05	02/06	PVP
Chromium	2.6	mg/kg (dw)	3050/6010	1.1	02/05	02/06	PVP
orida Petroleum Range Organics							
PH(C8-C40)	BDL	mg/kg (dw)	FLPRO	5.5	02/08	02/10	AJ
Dilution Factor	1.0		FLPRO		02/08	02/10	AJ
Surrogate Recoveries:							
o-Terphenyl	108	%	FLPRO	62-109	02/08	02/10	AJ
Tritriacontane	65.0	%	FLPRO	60-118	02/08	02/10	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Page: Page 1 of 3
Date: 02/12/2001
Log #: L50248-6

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB13-6
Date Sampled: 02/01/2001
Time Sampled: 15:15
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	89	%	SM2540B	0.10	02/02	02/02	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.056	02/02	02/09	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.028	02/02	02/09	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.028	02/02	02/09	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0022	02/02	02/09	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0022	02/02	02/09	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.056	02/02	02/09	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.056	02/02	02/09	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0022	02/02	02/09	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0022	02/02	02/09	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-6

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB13-6
Date Sampled: 02/01/2001
Time Sampled: 15:15
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0022	02/02	02/09	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0022	02/02	02/09	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0022	02/02	02/09	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.056	02/02	02/09	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.056	02/02	02/09	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.011	02/02	02/09	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.056	02/02	02/09	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.056	02/02	02/09	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0045	02/02	02/09	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0011	02/02	02/09	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0022	02/02	02/09	BL
1,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-6

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB13-6
Date Sampled: 02/01/2001
Time Sampled: 15:15
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/02	02/09	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.011	02/02	02/09	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0045	02/02	02/09	BL
Dilution Factor	1.0		5035/8260		02/02	02/09	BL
Surrogate Recoveries:							
Dibromofluoromethane	135	%	5035/8260	52-155	02/02	02/09	BL
Toluene-D8	143	%	5035/8260	46-154	02/02	02/09	BL
4-Bromofluorobenzene	91.0	%	5035/8260	36-138	02/02	02/09	BL
Metals							
Beryllium	1.5	mg/kg (dw)	3050/6010	1.1	02/05	02/06	PVP
Chromium	2.9	mg/kg (dw)	3050/6010	1.1	02/05	02/06	PVP
orida Petroleum Range Organics							
PH(C8-C40)	BDL	mg/kg (dw)	FLPRO	5.6	02/08	02/10	AJ
Dilution Factor	1.0		FLPRO		02/08	02/10	AJ
Surrogate Recoveries:							
o-Terphenyl	92.0	%	FLPRO	62-109	02/08	02/10	AJ
Tritriacontane	62.0	%	FLPRO	60-118	02/08	02/10	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-7

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB14-3
Date Sampled: 02/01/2001
Time Sampled: 15:20
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	94	%	SM2540B	0.10	02/02	02/02	KB
Volatile Organic Compounds							
cetone	BDL	mg/kg (dw)	5035/8260	0.053	02/02	02/09	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.027	02/02	02/09	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.027	02/02	02/09	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0021	02/02	02/09	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0021	02/02	02/09	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.053	02/02	02/09	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.053	02/02	02/09	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0021	02/02	02/09	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0021	02/02	02/09	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
',2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-7

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB14-3
Date Sampled: 02/01/2001
Time Sampled: 15:20
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0021	02/02	02/09	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0021	02/02	02/09	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0021	02/02	02/09	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.053	02/02	02/09	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.053	02/02	02/09	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.011	02/02	02/09	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.053	02/02	02/09	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.053	02/02	02/09	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0043	02/02	02/09	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0011	02/02	02/09	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0021	02/02	02/09	BL
1,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-7

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB14-3
Date Sampled: 02/01/2001
Time Sampled: 15:20
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0053	02/02	02/09	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.011	02/02	02/09	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0043	02/02	02/09	BL
Dilution Factor	1.0		5035/8260		02/02	02/09	BL
Surrogate Recoveries:							
Dibromofluoromethane	123	%	5035/8260	52-155	02/02	02/09	BL
Toluene-D8	128	%	5035/8260	46-154	02/02	02/09	BL
4-Bromofluorobenzene	75.0	%	5035/8260	36-138	02/02	02/09	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.1	02/05	02/06	PVP
Chromium	1.9	mg/kg (dw)	3050/6010	1.1	02/05	02/06	PVP
lorida Petroleum Range Organics							
PH(C8-C40)	BDL	mg/kg (dw)	FLPRO	5.3	02/08	02/10	AJ
Dilution Factor	1.0		FLPRO		02/08	02/10	AJ
Surrogate Recoveries:							
o-Terphenyl	108	%	FLPRO	62-109	02/08	02/10	AJ
Tritriacontane	71.0	%	FLPRO	60-118	02/08	02/10	AJ

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

QAP# 980126 DOH# E86240 NC CERT# 444
SUB DOH# 86122,86109,E86048 ADEM ID# 40850 MA CERT# M-FL449
SC CERT# 96031001 TN CERT# 02985 CT CERT# PH-0122
ELPAT# 13801 GA CERT# 917
VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-8

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB14-6
Date Sampled: 02/01/2001
Time Sampled: 15:30
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	85	%	SM2540B	0.10	02/02	02/02	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.065	02/02	02/09	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.032	02/02	02/09	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.032	02/02	02/09	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.065	02/02	02/09	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.065	02/02	02/09	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB14-6
Date Sampled: 02/01/2001
Time Sampled: 15:30
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
rans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.065	02/02	02/09	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.065	02/02	02/09	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.013	02/02	02/09	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.065	02/02	02/09	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.065	02/02	02/09	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0052	02/02	02/09	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0013	02/02	02/09	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Toluene	0.042	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0026	02/02	02/09	BL
',2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/12/2001
Log #: L50248-8

Sample Description:

Lockheed-Sarasota
Proj.#: TC-11125-02

Analytical Report: TT-SB14-6
Date Sampled: 02/01/2001
Time Sampled: 15:30
Date Received: 02/01/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0065	02/02	02/09	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.013	02/02	02/09	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0052	02/02	02/09	BL
Dilution Factor	1.1		5035/8260		02/02	02/09	BL
Surrogate Recoveries:							
Dibromofluoromethane	123	%	5035/8260	52-155	02/02	02/09	BL
Toluene-D8	108	%	5035/8260	46-154	02/02	02/09	BL
4-Bromofluorobenzene	56.0	%	5035/8260	36-138	02/02	02/09	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.2	02/05	02/06	PVP
Chromium	2.5	mg/kg (dw)	3050/6010	1.2	02/05	02/06	PVP
lorida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/kg (dw)	FLPRO	5.9	02/08	02/10	AJ
Dilution Factor	1.0		FLPRO		02/08	02/10	AJ
Surrogate Recoveries:							
o-Terphenyl	103	%	FLPRO	62-109	02/08	02/10	AJ
Tritriacontane	82.0	%	FLPRO	60-118	02/08	02/10	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

USBIOSYSTEMS

CHAIN OF CUSTODY RECORD SHORT-HOLD

Log # 50248   Quote:

LAB USE ONLY	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE? Temp	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIME?	✓		
CUSTODY SEALS INTACT?	✓		
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

Company Name: TETRA TECH   PO#:

Address: 670 N. ROSEMEAD BLVD.

City: PASADENA   State: CA   Zip: 91107

Attn: PHIL SKORGE   Fax#: 626-351-5291

Project Name: LOCKHEED - SARASOTA   Proj#: TC-11125-02

Sampler Name/Signature: [signature]   Phone#: 626-351-4664

Parameters: SOFL

#	Sample ID	Date	Time	Matrix Code*			TPH - FLPRO	VOCs - 8260	Beryllium	Chromium								Field Filtered (Y/N)	Integrity OK (Y/N)	REMARKS
1	TT-SB12-3	2/1/01	1145	SO	4	(1) 8oz (2) 5035	X	X	X	X										
2	TT-SB12-6	↓	1200	SO	4	↓	X	X	X	X										
3	TT-SB5-3		1215	SO	4		X	X	X	X										
4	TT-SB5-6		1230	SO	4		X	X	X	X										
5	TT-SB13-3		1500	SO	4		X	X	X	X										
6	TT-SB13-6		1515	SO	4		X	X	X	X										
7	TT-SB14-3		1520	SO	4		X	X	X	X										
8	TT-SB14-6	2/1/01	1530	SO	4		X	X	X	X										
9																				
0																				SHDell to VxL

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H_2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SU	Surface Water	O	Other (Please Specify)

Pres/Codes

A. None	G. $Na_2S_2O_3$
B. HNO_3	H. $NaHSO_4$
C. H_2SO_4	I. Ice
D. NaOH	J. MCAA
E. HCL	O. Other
F. MeOH	

ORIGINAL

			QA/QC Reporting Level	COC OK	Initials	Specific State Certification Required
(Y)/N	Date required	Y ✓ N	None ✓ 1 2 3 Other	(Y) N	KB	

		Relinquished by	Date	Time	Received by	Date	Time
		[signature]	2/1/01		[signature]	2/1/01	4:00p
	CPOC	[signature]	2-1-01	17:00	[signature]	2-1-01	17:00
	a-o2	[signature]	2-1-01	17:20	CG	2-1-01	17:00
#					[signature]	2/2/01	1015

3231 N.W. 7th Avenue
Boca Raton, FL 33431
888-862-LABS
561-447-7373
888-456-4846 Fax
561-447-6136 Fax

C.O.C. # 22418

USBIOSYSTEMS

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-1

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB6-3
Date Sampled: 01/31/2001
Time Sampled: 09:15
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	72	%	SM2540B	0.10	02/01	02/01	KB
Volatile Organic Compounds							
:etone	BDL	mg/kg (dw)	5035/8260	0.090	02/01	02/08	BL
.crolein	BDL	mg/kg (dw)	5035/8260	0.045	02/01	02/08	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.045	02/01	02/08	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0036	02/01	02/08	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0036	02/01	02/08	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.090	02/01	02/08	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.090	02/01	02/08	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0036	02/01	02/08	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0036	02/01	02/08	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-1

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB6-3
Date Sampled: 01/31/2001
Time Sampled: 09:15
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0036	02/01	02/08	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0036	02/01	02/08	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0036	02/01	02/08	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.090	02/01	02/08	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.090	02/01	02/08	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.018	02/01	02/08	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.090	02/01	02/08	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.090	02/01	02/08	BL
Naphthalene	0.0076	mg/kg (dw)	5035/8260	0.0072	02/01	02/08	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0018	02/01	02/08	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0036	02/01	02/08	BL
1,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-1

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB6-3
Date Sampled: 01/31/2001
Time Sampled: 09:15
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0090	02/01	02/08	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.018	02/01	02/08	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0072	02/01	02/08	BL
Dilution Factor	1.3		5035/8260		02/01	02/08	BL
Surrogate Recoveries:							
Dibromofluoromethane	105	%	5035/8260	52-155	02/01	02/08	BL
Toluene-D8	85.0	%	5035/8260	46-154	02/01	02/08	BL
4-Bromofluorobenzene	72.0	%	5035/8260	36-138	02/01	02/08	BL
Metals							
Beryllium	140	mg/kg (dw)	3050/6010	1.4	02/02	02/03	PVP
Chromium	12	mg/kg (dw)	3050/6010	1.4	02/02	02/03	PVP
lorida Petroleum Range Organics							
TPH(C8-C40)	2500	mg/kg (dw)	FLPRO	69	02/06	02/08	AJ
Dilution Factor	10		FLPRO		02/06	02/08	AJ
Surrogate Recoveries:							
o-Terphenyl	DL	%	FLPRO	62-109	02/06	02/08	AJ
Tritriacontane	DL	%	FLPRO	60-118	02/06	02/08	AJ

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

QAP# 980126 DOH# E86240 NC CERT# 444
SUB DOH# 86122,86109,E86048 ADEM ID# 40850 MA CERT# M-FL449
SC CERT# 96031001 TN CERT# 02985 CT CERT# PH-0122
ELPAT# 13801 GA CERT# 917
VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-2

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB6-6
Date Sampled: 01/31/2001
Time Sampled: 09:25
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	93	%	SM2540B	0.10	02/01	02/01	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.059	02/01	02/08	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.030	02/01	02/08	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.030	02/01	02/08	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0024	02/01	02/08	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0024	02/01	02/08	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
sec-Butylbenzene	0.0072	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
tert-Butylbenzene	0.049	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.059	02/01	02/08	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.059	02/01	02/08	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0024	02/01	02/08	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0024	02/01	02/08	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB6-6
Date Sampled: 01/31/2001
Time Sampled: 09:25
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,1-Dichloroethane	0.070	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0024	02/01	02/08	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0024	02/01	02/08	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0024	02/01	02/08	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.059	02/01	02/08	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
4-Isopropyl Toluene	0.014	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.059	02/01	02/08	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.012	02/01	02/08	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.059	02/01	02/08	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.059	02/01	02/08	BL
Naphthalene	0.022	mg/kg (dw)	5035/8260	0.0047	02/01	02/08	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0012	02/01	02/08	BL
Tetrachloroethene	0.053	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Total Xylenes	0.0069	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0024	02/01	02/08	BL
1,2,4-Trimethylbenzene	0.045	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-2

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB6-6
Date Sampled: 01/31/2001
Time Sampled: 09:25
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	0.018	mg/kg (dw)	5035/8260	0.0059	02/01	02/08	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.012	02/01	02/08	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0047	02/01	02/08	BL
Dilution Factor	1.1		5035/8260		02/01	02/08	BL
Surrogate Recoveries:							
Dibromofluoromethane	154	%	5035/8260	52-155	02/01	02/08	BL
Toluene-D8	116	%	5035/8260	46-154	02/01	02/08	BL
4-Bromofluorobenzene	39.0	%	5035/8260	36-138	02/01	02/08	BL
Metals							
Beryllium	29	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
Chromium	48	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
lorida Petroleum Range Organics							
TPH(C8-C40)	16000	mg/kg (dw)	FLPRO	540	02/06	02/08	AJ
Dilution Factor	100		FLPRO		02/06	02/08	AJ
Surrogate Recoveries:							
o-Terphenyl	DL	%	FLPRO	62-109	02/06	02/08	AJ
Tritriacontane	DL	%	FLPRO	60-118	02/06	02/08	AJ

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

QAP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
ELPAT# 13801
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
MA CERT# M-FL449
CT CERT# PH-0122

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-3

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB2-3
Date Sampled: 01/31/2001
Time Sampled: 10:30
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	97	%	SM2540B	0.10	02/01	02/01	KB
Volatile Organic Compounds							
:etone	BDL	mg/kg (dw)	5035/8260	0.082	02/01	02/08	BL
.crolein	BDL	mg/kg (dw)	5035/8260	0.041	02/01	02/08	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.041	02/01	02/08	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0033	02/01	02/08	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0033	02/01	02/08	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.082	02/01	02/08	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.082	02/01	02/08	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0033	02/01	02/08	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0033	02/01	02/08	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
.2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL

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Address: Tetra Tech - Seattle
600 University Street
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Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-3

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB2-3
Date Sampled: 01/31/2001
Time Sampled: 10:30
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0033	02/01	02/08	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0033	02/01	02/08	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0033	02/01	02/08	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.082	02/01	02/08	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.082	02/01	02/08	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.016	02/01	02/08	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.082	02/01	02/08	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.082	02/01	02/08	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0066	02/01	02/08	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0016	02/01	02/08	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0033	02/01	02/08	BL
2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-3

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB2-3
Date Sampled: 01/31/2001
Time Sampled: 10:30
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0082	02/01	02/08	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.016	02/01	02/08	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0066	02/01	02/08	BL
Dilution Factor	1.6		5035/8260		02/01	02/08	BL
Surrogate Recoveries:							
Dibromofluoromethane	134	%	5035/8260	52-155	02/01	02/08	BL
Toluene-D8	147	%	5035/8260	46-154	02/01	02/08	BL
4-Bromofluorobenzene	85.0	%	5035/8260	36-138	02/01	02/08	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.0	02/02	02/03	PVP
Chromium	BDL	mg/kg (dw)	3050/6010	1.0	02/02	02/03	PVP
orida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/kg (dw)	FLPRO	5.2	02/06	02/08	AJ
Dilution Factor	1.0		FLPRO		02/06	02/08	AJ
Surrogate Recoveries:							
o-Terphenyl	105	%	FLPRO	62-109	02/06	02/08	AJ
Tritriacontane	76.0	%	FLPRO	60-118	02/06	02/08	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-4

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB2-6
Date Sampled: 01/31/2001
Time Sampled: 10:40
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	87	%	SM2540B	0.10	02/01	02/01	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.055	02/01	02/08	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.027	02/01	02/08	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.027	02/01	02/08	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.055	02/01	02/08	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.055	02/01	02/08	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
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Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-4

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB2-6
Date Sampled: 01/31/2001
Time Sampled: 10:40
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
rans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.055	02/01	02/08	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.055	02/01	02/08	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.011	02/01	02/08	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.055	02/01	02/08	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.055	02/01	02/08	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0044	02/01	02/08	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0011	02/01	02/08	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-4

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB2-6
Date Sampled: 01/31/2001
Time Sampled: 10:40
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.011	02/01	02/08	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0044	02/01	02/08	BL
Dilution Factor	0.95		5035/8260		02/01	02/08	BL
Surrogate Recoveries:							
Dibromofluoromethane	112	%	5035/8260	52-155	02/01	02/08	BL
Toluene-D8	90.0	%	5035/8260	46-154	02/01	02/08	BL
4-Bromofluorobenzene	53.0	%	5035/8260	36-138	02/01	02/08	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
Chromium	9.9	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
lorida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/kg (dw)	FLPRO	5.7	02/06	02/08	AJ
Dilution Factor	1.0		FLPRO		02/06	02/08	AJ
Surrogate Recoveries:							
o-Terphenyl	108	%	FLPRO	62-109	02/06	02/08	AJ
Tritriacontane	67.0	%	FLPRO	60-118	02/06	02/08	AJ

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

QAP# 980126 DOH# E86240 NC CERT# 444
SUB DOH# 86122,86109,E86048 ADEM ID# 40850 MA CERT# M-FL449
SC CERT# 96031001 TN CERT# 02985 CT CERT# PH-0122
ELPAT# 13801 GA CERT# 917
VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-5

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB3-3
Date Sampled: 01/31/2001
Time Sampled: 09:50
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	99	%	SM2540B	0.10	02/01	02/01	KB
Volatile Organic Compounds							
cetone	BDL	mg/kg (dw)	5035/8260	0.096	02/01	02/08	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.040	02/01	02/08	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.040	02/01	02/08	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0032	02/01	02/08	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0032	02/01	02/08	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.081	02/01	02/08	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.081	02/01	02/08	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0032	02/01	02/08	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0032	02/01	02/08	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-5

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB3-3
Date Sampled: 01/31/2001
Time Sampled: 09:50
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0032	02/01	02/08	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0032	02/01	02/08	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0032	02/01	02/08	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.081	02/01	02/08	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.081	02/01	02/08	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.016	02/01	02/08	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.081	02/01	02/08	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.081	02/01	02/08	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0065	02/01	02/08	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0016	02/01	02/08	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0032	02/01	02/08	BL
1,2,4-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-5

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB3-3
Date Sampled: 01/31/2001
Time Sampled: 09:50
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.016	02/01	02/08	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0065	02/01	02/08	BL
Dilution Factor	1.6		5035/8260		02/01	02/08	BL
Surrogate Recoveries:							
Dibromofluoromethane	120	%	5035/8260	52-155	02/01	02/08	BL
Toluene-D8	104	%	5035/8260	46-154	02/01	02/08	BL
4-Bromofluorobenzene	82.0	%	5035/8260	36-138	02/01	02/08	BL
Metals							
Beryllium	7.9	mg/kg (dw)	3050/6010	1.0	02/02	02/03	PVP
Chromium	2.4	mg/kg (dw)	3050/6010	1.0	02/02	02/03	PVP
lorida Petroleum Range Organics							
ΓPH(C8-C40)	8400	mg/kg (dw)	FLPRO	250	02/06	02/08	AJ
Dilution Factor	50		FLPRO		02/06	02/08	AJ
Surrogate Recoveries:							
o-Terphenyl	DL	%	FLPRO	62-109	02/06	02/08	AJ
Tritriacontane	DL	%	FLPRO	60-118	02/06	02/08	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-6

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB3-6
Date Sampled: 01/31/2001
Time Sampled: 10:00
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	90	%	SM2540B	0.10	02/01	02/01	KB
Volatile Organic Compounds							
Acetone	BDL	mg/kg (dw)	5035/8260	0.056	02/01	02/08	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.028	02/01	02/08	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.028	02/01	02/08	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
sec-Butylbenzene	0.0099	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
tert-Butylbenzene	0.077	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.056	02/01	02/08	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.056	02/01	02/08	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB3-6
Date Sampled: 01/31/2001
Time Sampled: 10:00
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
trans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
Ethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.056	02/01	02/08	BL
Isopropyl Benzene	0.0063	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
4-Isopropyl Toluene	0.012	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.056	02/01	02/08	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.011	02/01	02/08	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.056	02/01	02/08	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.056	02/01	02/08	BL
Naphthalene	0.0087	mg/kg (dw)	5035/8260	0.0044	02/01	02/08	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0011	02/01	02/08	BL
Tetrachloroethene	0.0099	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Trichloroethene	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
Trichlorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL
1,2,3-Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0022	02/01	02/08	BL
1,2,4-Trimethylbenzene	0.020	mg/kg (dw)	5035/8260	0.0056	02/01	02/08	BL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-7

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB11-3
Date Sampled: 01/31/2001
Time Sampled: 11:30
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0061	02/01	02/08	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.012	02/01	02/08	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0049	02/01	02/08	BL
Dilution Factor	1.1		5035/8260		02/01	02/08	BL
Surrogate Recoveries:							
Dibromofluoromethane	116	%	5035/8260	52-155	02/01	02/08	BL
Toluene-D8	125	%	5035/8260	46-154	02/01	02/08	BL
4-Bromofluorobenzene	72.0	%	5035/8260	36-138	02/01	02/08	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
Chromium	5.1	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
orida Petroleum Range Organics							
PH(C8-C40)	BDL	mg/kg (dw)	FLPRO	5.6	02/06	02/07	AJ
Dilution Factor	1.0		FLPRO		02/06	02/07	AJ
Surrogate Recoveries:							
o-Terphenyl	103	%	FLPRO	62-109	02/06	02/07	AJ
Tritriacontane	79.0	%	FLPRO	60-118	02/06	02/07	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-8

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB1-3
Date Sampled: 01/31/2001
Time Sampled: 11:45
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	97	%	SM2540B	0.10	02/01	02/01	KB
Volatile Organic Compounds							
cetone	BDL	mg/kg (dw)	5035/8260	0.067	02/01	02/08	BL
Acrolein	BDL	mg/kg (dw)	5035/8260	0.034	02/01	02/08	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.034	02/01	02/08	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0027	02/01	02/08	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0027	02/01	02/08	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.067	02/01	02/08	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.067	02/01	02/08	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0027	02/01	02/08	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0027	02/01	02/08	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL

ent #: FTL-11-010103
dress: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-8

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB1-3
Date Sampled: 01/31/2001
Time Sampled: 11:45
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
1,4-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Dichlorodifluoromethane	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
1,1-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
1,2-Dichloroethane	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
1,1-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
cis-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
trans-1,2-Dichloroethene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
1,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0027	02/01	02/08	BL
1,3-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
2,2-Dichloropropane	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
1,1-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
cis-1,3-Dichloropropene	BDL	mg/kg (dw)	5035/8260	0.0027	02/01	02/08	BL
rans-1,3-Dichloropropen	BDL	mg/kg (dw)	5035/8260	0.0027	02/01	02/08	BL
thylbenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Hexachlorobutadiene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
2-Hexanone	BDL	mg/kg (dw)	5035/8260	0.067	02/01	02/08	BL
Isopropyl Benzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
4-Isopropyl Toluene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
MEK(2-Butanone)	BDL	mg/kg (dw)	5035/8260	0.067	02/01	02/08	BL
Methylene Chloride	BDL	mg/kg (dw)	5035/8260	0.013	02/01	02/08	BL
MIBK(4-Methyl-2-Pentanon	BDL	mg/kg (dw)	5035/8260	0.067	02/01	02/08	BL
MTBE	BDL	mg/kg (dw)	5035/8260	0.067	02/01	02/08	BL
Naphthalene	BDL	mg/kg (dw)	5035/8260	0.0054	02/01	02/08	BL
n-Propylbenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Styrene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
1,1,1,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5035/8260	0.0013	02/01	02/08	BL
Tetrachloroethene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Toluene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Total Xylenes	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
1,2,3-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
,2,4-Trichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
1,1-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
,2-Trichloroethane	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
hloroethene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
lorofluoromethane	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Trichloropropane	BDL	mg/kg (dw)	5035/8260	0.0027	02/01	02/08	BL
rimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL

.t #: FTL-11-010103
.ess: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-8

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB1-3
Date Sampled: 01/31/2001
Time Sampled: 11:45
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0067	02/01	02/08	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.013	02/01	02/08	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0054	02/01	02/08	BL
Dilution Factor	1.3		5035/8260		02/01	02/08	BL
Surrogate Recoveries:							
Dibromofluoromethane	116	%	5035/8260	52-155	02/01	02/08	BL
Toluene-D8	126	%	5035/8260	46-154	02/01	02/08	BL
4-Bromofluorobenzene	77.0	%	5035/8260	36-138	02/01	02/08	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.0	02/02	02/03	PVP
Chromium	BDL	mg/kg (dw)	3050/6010	1.0	02/02	02/03	PVP
lorida Petroleum Range Organics							
TPH(C8-C40)	18	mg/kg (dw)	FLPRO	5.2	02/06	02/07	AJ
Dilution Factor	1.0		FLPRO		02/06	02/07	AJ
Surrogate Recoveries:							
o-Terphenyl	99.0	%	FLPRO	62-109	02/06	02/07	AJ
Tritriacontane	81.0	%	FLPRO	60-118	02/06	02/07	AJ

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

QAP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
ELPAT# 13801
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
MA CERT# M-FL449
CT CERT# PH-0122

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-9

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB1-6
Date Sampled: 01/31/2001
Time Sampled: 12:00
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analys
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0066	02/01	02/08	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.013	02/01	02/08	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0053	02/01	02/08	BL
Dilution Factor	1.1		5035/8260		02/01	02/08	BL
Surrogate Recoveries:							
Dibromofluoromethane	122	%	5035/8260	52-155	02/01	02/08	BL
Toluene-D8	119	%	5035/8260	46-154	02/01	02/08	BL
4-Bromofluorobenzene	76.0	%	5035/8260	36-138	02/01	02/08	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.2	02/02	02/03	PVP
Chromium	12	mg/kg (dw)	3050/6010	1.2	02/02	02/03	PVP
lorida Petroleum Range Organics							
TPH(C8-C40)	2000	mg/kg (dw)	FLPRO	60	02/06	02/07	AJ
Dilution Factor	10		FLPRO		02/06	02/07	AJ
Surrogate Recoveries:							
o-Terphenyl	DL	%	FLPRO	62-109	02/06	02/07	AJ
Tritriacontane	DL	%	FLPRO	60-118	02/06	02/07	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Date: 02/10/2001
Log #: L50215-4

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB2-6
Date Sampled: 01/31/2001
Time Sampled: 10:40
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analys
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	mg/kg (dw)	5035/8260	0.0055	02/01	02/08	BL
Vinyl Acetate	BDL	mg/kg (dw)	5035/8260	0.011	02/01	02/08	BL
Vinyl Chloride	BDL	mg/kg (dw)	5035/8260	0.0044	02/01	02/08	BL
Dilution Factor	0.95		5035/8260		02/01	02/08	BL
Surrogate Recoveries:							
Dibromofluoromethane	112	%	5035/8260	52-155	02/01	02/08	BL
Toluene-D8	90.0	%	5035/8260	46-154	02/01	02/08	BL
4-Bromofluorobenzene	53.0	%	5035/8260	36-138	02/01	02/08	BL
Metals							
Beryllium	BDL	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
Chromium	9.9	mg/kg (dw)	3050/6010	1.1	02/02	02/03	PVP
lorida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/kg (dw)	FLPRO	5.7	02/06	02/08	AJ
Dilution Factor	1.0		FLPRO		02/06	02/08	AJ
Surrogate Recoveries:							
o-Terphenyl	108	%	FLPRO	62-109	02/06	02/08	AJ
Tritriacontane	67.0	%	FLPRO	60-118	02/06	02/08	AJ

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
600 University Street
Suite 800
Seattle, WA 98101-1129
Mr. Phil Skorge

Page: Page 1 of 3
Date: 02/10/2001
Log #: L50215-5

Sample Description:

Lockheed - Sarasota Project
Proj.#: TC-11125-C2

Analytical Report: TTSB3-3
Date Sampled: 01/31/2001
Time Sampled: 09:50
Date Received: 01/31/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	99	%	SM2540B	0.10	02/01	02/01	KB
Volatile Organic Compounds							
cetone	BDL	mg/kg (dw)	5035/8260	0.096	02/01	02/08	.
Acrolein	BDL	mg/kg (dw)	5035/8260	0.040	02/01	02/08	BL
Acrylonitrile	BDL	mg/kg (dw)	5035/8260	0.040	02/01	02/08	BL
Benzene	BDL	mg/kg (dw)	5035/8260	0.0032	02/01	02/08	BL
Bromobenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Bromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Bromodichloromethane	BDL	mg/kg (dw)	5035/8260	0.0032	02/01	02/08	BL
Bromoform	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Bromomethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
n-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
sec-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
tert-Butylbenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Carbon Disulfide	BDL	mg/kg (dw)	5035/8260	0.081	02/01	02/08	BL
Carbon Tetrachloride	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Chlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Chloroethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
2-Chloroethylvinyl Ether	BDL	mg/kg (dw)	5035/8260	0.081	02/01	02/08	BL
Chloroform	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Chloromethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
2-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
4-Chlorotoluene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
Dibromochloromethane	BDL	mg/kg (dw)	5035/8260	0.0032	02/01	02/08	BL
1,2-Dibromo-3-Chloroprop	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
1,2-Dibromoethane	BDL	mg/kg (dw)	5035/8260	0.0032	02/01	02/08	BL
Dibromomethane	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	BL
,2-Dichlorobenzene	BDL	mg/kg (dw)	5035/8260	0.0081	02/01	02/08	

USBIOSYSTEMS

CHAIN OF CUSTODY RECORD

Log # 50215   Quote: 65/125/15...   SHORT-HOLD

LAB USE ONLY	YES	NO	N/A
Samples INTACT upon arr	✓		
Received ON WET ICE? Tem	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIME?	✓		
CUSTODY SEALS INTACT?	✓		
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

Company Name: TETRA TECH, INC.   PO#:

Address: 670 N. ROSEMEAD BLVD.

City: PASADENA   State: CA   Zip: 91107

Attn: PHIL SKORGE   Fax#:

Project Name: LOCKHEED - SARASOTA PROJECT   Proj#: TC-11125-02

Sampler Name/Signature: [signature]   Phone#: 626-351-4664

Parameters: SOIL

#	Sample ID (Client ID)	Collect Date	Collect Time	Matrix Code*			TPH (FL-PRO)	VOCs (8260)	Beryllium	Chromium									Field Filtered (Y/N)	Integrity OK (Y/N)	REMARKS
01	TTSB6-3	1/31/01	0915	SO	4	①X① 8oz ① SD3 5	X	X	X	X											
02	TTSB6-6	↓	0925 (0935 struck)	SO	4	↓	X	X	X	X											
03	TTSB2-3		1030 (0945 struck)	SO	4		X	X	X	X											
04	TTSB2-6		1040	SO	4		X	X	X	X											
05	TTSB3-3		0950	SO	4		X	X	X	X											
06	TTSB3-6		1000	SO	4		X	X	X	X											
07	TTSB11-3		1130	SO	4		X	X	X	X											
08	TTSB1-3	↓	1145	SO	4		X	X	X	X											
09	TTSB1-6	1/31/01	1200	SO	4	⊥	X	X	X	X											
0																					SH Deli to VOL

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H_2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SU	Surface Water	O	Other (Please Specify)

Pres/Codes

A. None	G. $Na_2S_2O_3$
B. HNO_3	H. $NaHSO_4$
C. H_2SO_4	I. Ice
D. NaOH	J. MCAA
E. HCL	O. Other
F. MeOH	

(Y)/N	Date required	Y ✓ N	None ✓ 1 2 3 Other	(Y) N — KB

Cooler		Relinquished by	Date	Time	Received by	Date	Time
	01-09	[signature]	1/31/01	16:30	[signature]	1-31-01	16:30
	01-09	[signature]	1-31-01	17:00	CC	1-31-01	17:00
#					[signature]	2/1/01	0935

3231 N.W. 7th Avenue
Boca Raton, FL 33431
888-862-LABS
561-447-7373
888-456-4846 Fax
561-447-6136 Fax

C.O.C. # 439

ORIGINAL

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-4

Sample Description:

Lockheed

Analytical Report: TTMW1
Date Sampled: 02/13/2001
Time Sampled: 12:40
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Methane							
Methane	130	ug/l	5021-MOD	0.20	02/20	02/20	SUB
Volatile Organic Compounds							
:tone	BDL	ug/l	5030/8260	10	02/19	02/19	SV
:olein	BDL	ug/l	5030/8260	50	02/19	02/19	SV
Acrylonitrile	BDL	ug/l	5030/8260	50	02/19	02/19	SV
Benzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/19	02/19	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-4

Sample Description:

Lockheed

Analytical Report: TTMW1
Date Sampled: 02/13/2001
Time Sampled: 12:40
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
olatile Organic Compounds	(continued)						
,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
ichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
,1-Dichloroethane	360 L	ug/l	5030/8260	1.0	02/19	02/19	SV
,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
,1-Dichloroethene	42	ug/l	5030/8260	1.0	02/19	02/19	SV
is-1,2-Dichloroethene	8.8	ug/l	5030/8260	1.0	02/19	02/19	SV
rans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
s-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
lbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2-Hexanone	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Methylene Chloride	BDL	ug/l	5030/8260	15	02/19	02/19	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/19	02/19	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Naphthalene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Tetrachloroethene	14	ug/l	5030/8260	1.0	02/19	02/19	SV
Toluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	02/19	02/19	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Trichloroethene	56	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-4

Sample Description:

Lockheed

Analytical Report: TTMW1
Date Sampled: 02/13/2001
Time Sampled: 12:40
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Vinyl Chloride	2.0	ug/l	5030/8260	1.0	02/19	02/19	SV
Dilution Factor	1.0		5030/8260		02/19	02/19	SV
Surrogate Recoveries:							
Dibromofluoromethane	106	%	5030/8260	68-145	02/19	02/19	SV
Toluene-D8	111	%	5030/8260	62-133	02/19	02/19	SV
4-Bromofluorobenzene	100	%	5030/8260	56-135	02/19	02/19	SV
General Chemistry							
Nitrate	1.6	mg/l	300.0	0.050	02/14	02/14	MG
Subcontracted Services							
Subcontract Lab 1	VAPORTECH		5021-MOD				SUB
Metals							
Beryllium	0.010	mg/l	3010/6010	0.0040	02/15	02/16	PVP
Chromium	0.031	mg/l	3010/6010	0.0050	02/15	02/16	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	0.91	mg/l	FLPRO	0.65	02/15	02/15	AW
Dilution Factor	1.0		FLPRO		02/15	02/15	AW
Surrogate Recoveries:							
o-Terphenyl	114	%	FLPRO	82-142	02/15	02/15	AW
Tritriacontane	84.0	%	FLPRO	42-139	02/15	02/15	AW
General Chemistry							
Sulfate	160	mg/l	300.0	2.5	02/20	02/20	MG
General Chemistry							
Alkalinity -Total as CaC	65	mg/l	310.1	2.0	02/20	02/20	MA

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-4

Sample Description:

Lockheed

Analytical Report: TTMW1
Date Sampled: 02/13/2001
Time Sampled: 12:40
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst

eneral Chemistry (continued)

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

)AP# 980126
SUB DOH# 86122,86109,E86048
SC CERT# 96031001
ELPAT# 13801
VA CERT# 00395
DOH# E86240
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240
NC CERT# 444
MA CERT# M-FL449
CT CERT# PH-0122

Respectfully submitted,

Mike Kimmel
Senior Project Manager

USBIOSYSTEMS

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Page: Page 1 of 4
Date: 04/24/2001
Log #: L50576-1

Sample Description:

Lockheed

Analytical Report: TTMW2
Date Sampled: 02/13/2001
Time Sampled: 09:40
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Methane							
Methane	65	ug/l	5021-MOD	0.20	02/20	02/20	SUB
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	02/19	02/19	S
Acrolein	BDL	ug/l	5030/8260	50	02/19	02/19	S
Acrylonitrile	BDL	ug/l	5030/8260	50	02/19	02/19	SV
Benzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/19	02/19	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-1

Sample Description:

Lockheed

Analytical Report: TTMW2
Date Sampled: 02/13/2001
Time Sampled: 09:40
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds	(continued)						
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1-Dichloroethane	18	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1-Dichloroethene	3.4	ug/l	5030/8260	1.0	02/19	02/19	SV
cis-1,2-Dichloroethene	11	ug/l	5030/8260	1.0	02/19	02/19	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/19	02/19	'
thylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	'
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2-Hexanone	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	02/19	02/19	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/19	02/19	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Naphthalene	2.7	ug/l	5030/8260	1.0	02/19	02/19	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Tetrachloroethene	130	ug/l	5030/8260	1.0	02/19	02/19	SV
Toluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	02/19	02/19	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Trichloroethene	60	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2,4-Trimethylbenzene	2.7	ug/l	5030/8260	1.0	02/19	02/19	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-1

Sample Description:

Lockheed

Analytical Report: TTMW2
Date Sampled: 02/13/2001
Time Sampled: 09:40
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Vinyl Chloride	1.5	ug/l	5030/8260	1.0	02/19	02/19	SV
Dilution Factor	1.0		5030/8260		02/19	02/19	SV
Surrogate Recoveries:							
Dibromofluoromethane	102	%	5030/8260	68-145	02/19	02/19	SV
Toluene-D8	106	%	5030/8260	62-133	02/19	02/19	SV
4-Bromofluorobenzene	99.0	%	5030/8260	56-135	02/19	02/19	SV
General Chemistry							
Nitrate	1.5	mg/l	300.0	0.050	02/14	02/14	MG
Sulfate	110	mg/l	300.0	0.50	02/14	02/14	MG
Contracted Services							
Contract Lab 1	VAPORTECH		5021-MOD				SU
Metals							
Beryllium	BDL	mg/l	3010/6010	0.0040	02/15	02/16	PVP
Chromium	BDL	mg/l	3010/6010	0.0050	02/15	02/16	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	02/15	02/15	AW
Dilution Factor	1.0		FLPRO		02/15	02/15	AW
Surrogate Recoveries:							
o-Terphenyl	113	%	FLPRO	82-142	02/15	02/15	AW
Tritriacontane	88.0	%	FLPRO	42-139	02/15	02/15	AW
General Chemistry							
Alkalinity -Total as CaC	67	mg/l	310.1	2.0	02/20	02/20	MA

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-1

Sample Description:

Lockheed

Analytical Report: TTMW2
Date Sampled: 02/13/2001
Time Sampled: 09:40
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst

General Chemistry (continued)

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

QAP# 980126 | DOH# E86240 | NC CERT# 444
SUB DOH# 86122,86109,E86048 | ADEM ID# 40850 | MA CERT# M-FL449
SC CERT# 96031001 | TN CERT# 02985 | CT CERT# PH-0122
ELPAT# 13801 | GA CERT# 917
VA CERT# 00395 | USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-2

Sample Description:

Lockheed

Analytical Report: TTMW3
Date Sampled: 02/13/2001
Time Sampled: 10:14
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Methane							
Methane	1.9	ug/l	5021-MOD	0.20	02/20	02/20	SUB
Volatile Organic Compounds							
tone	BDL	ug/l	5030/8260	10	02/19	02/19	SV
olein	BDL	ug/l	5030/8260	50	02/19	02/19	SV
Acrylonitrile	BDL	ug/l	5030/8260	50	02/19	02/19	SV
Benzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/19	02/19	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-2

Sample Description:

Lockheed

Analytical Report: TTMW3
Date Sampled: 02/13/2001
Time Sampled: 10:14
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
-1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
ylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2-Hexanone	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	02/19	02/19	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/19	02/19	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Naphthalene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Toluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	02/19	02/19	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Trichloroethene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-2

Sample Description:

Lockheed

Analytical Report: TTMW3
Date Sampled: 02/13/2001
Time Sampled: 10:14
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Dilution Factor	1.0		5030/8260		02/19	02/19	SV
Surrogate Recoveries:							
Dibromofluoromethane	95.0	%	5030/8260	68-145	02/19	02/19	SV
Toluene-D8	101	%	5030/8260	62-133	02/19	02/19	SV
4-Bromofluorobenzene	94.0	%	5030/8260	56-135	02/19	02/19	SV
General Chemistry							
Nitrate	BDL	mg/l	300.0	0.050	02/14	02/14	MG
Sulfate	37	mg/l	300.0	0.50	02/14	02/14	MG
Contracted Services							
Contract Lab 1	VAPORTECH		5021-MOD				SUB
Metals							
Beryllium	BDL	mg/l	3010/6010	0.0040	02/15	02/16	PVP
Chromium	BDL	mg/l	3010/6010	0.0050	02/15	02/16	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	02/15	02/15	AW
Dilution Factor	1.0		FLPRO		02/15	02/15	AW
Surrogate Recoveries:							
o-Terphenyl	91.0	%	FLPRO	82-142	02/15	02/15	AW
Tritriacontane	68.0	%	FLPRO	42-139	02/15	02/15	AW
General Chemistry							
Alkalinity -Total as CaC	55	mg/l	310.1	2.0	02/20	02/20	MA

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-2

Sample Description:

Lockheed

Analytical Report: TTMW3
Date Sampled: 02/13/2001
Time Sampled: 10:14
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analys

General Chemistry (continued)

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

QAP# 980126 DOH# E86240 NC CERT# 444
SUB DOH# 86122,86109,E86048 ADEM ID# 40850 MA CERT# M-FL449
SC CERT# 96031001 TN CERT# 02985 CT CERT# PH-0122
ELPAT# 13801 GA CERT# 917
VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-3

Sample Description:

Lockheed

Analytical Report: TTMW4
Date Sampled: 02/13/2001
Time Sampled: 11:20
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Methane							
Methane	19	ug/l	5021-MOD	0.20	02/20	02/20	SUB
Volatile Organic Compounds							
Acetone	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Acrolein	BDL	ug/l	5030/8260	50	02/19	02/19	
Acrylonitrile	BDL	ug/l	5030/8260	50	02/19	02/19	SV
Benzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromodichloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromoform	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Bromomethane	BDL	ug/l	5030/8260	2.0	02/19	02/19	SV
n-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
sec-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
tert-Butylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2-Chloroethylvinyl Ether	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Chloroform	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
4-Chlorotoluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dibromo-3-Chloroprop	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Dibromochloromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dibromoethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-3

Sample Description:

Lockheed

Analytical Report: TTMW4
Date Sampled: 02/13/2001
Time Sampled: 11:20
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds	(continued)						
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1-Dichloroethane	2.0	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
s-1,3-Dichloropropene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
hylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	S
Hexachlorobutadiene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
2-Hexanone	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Isopropyl Benzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
4-Isopropyl Toluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Methylene Chloride	BDL	ug/l	5030/8260	5.0	02/19	02/19	SV
MIBK(4-Methyl-2-Pentanon	BDL	ug/l	5030/8260	10	02/19	02/19	SV
MTBE	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Naphthalene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
n-Propylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Styrene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Toluene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Total Xylenes	BDL	ug/l	5030/8260	2.0	02/19	02/19	SV
1,2,3-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2,4-Trichlorobenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Trichloroethene	5.6	ug/l	5030/8260	1.0	02/19	02/19	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
1,2,4-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV

Sample Description:

Lockheed

Analytical Report: TTMW4
Date Sampled: 02/13/2001
Time Sampled: 11:20
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Volatile Organic Compounds (continued)							
1,3,5-Trimethylbenzene	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	02/19	02/19	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	02/19	02/19	SV
Dilution Factor	1.0		5030/8260		02/19	02/19	SV
Surrogate Recoveries:							
Dibromofluoromethane	101	%	5030/8260	68-145	02/19	02/19	SV
Toluene-D8	110	%	5030/8260	62-133	02/19	02/19	SV
4-Bromofluorobenzene	100	%	5030/8260	56-135	02/19	02/19	SV
General Chemistry							
Nitrate	BDL	mg/l	300.0	0.050	02/14	02/14	MG
Sulfate	380	mg/l	300.0	10	02/14	02/14	MG
bcontracted Services							
bcontract Lab 1	VAPORTECH		5021-MOD				SU
Metals							
Beryllium	BDL	mg/l	3010/6010	0.0040	02/15	02/16	PVP
Chromium	BDL	mg/l	3010/6010	0.0050	02/15	02/16	PVP
Florida Petroleum Range Organics							
TPH(C8-C40)	BDL	mg/l	FLPRO	0.65	02/15	02/15	AW
Dilution Factor	1.0		FLPRO		02/15	02/15	AW
Surrogate Recoveries:							
o-Terphenyl	99.0	%	FLPRO	82-142	02/15	02/15	AW
Tritriacontane	75.0	%	FLPRO	42-139	02/15	02/15	AW
General Chemistry							
Alkalinity -Total as CaC	110	mg/l	310.1	2.0	02/20	02/20	MA

Client #: FTL-11-010103
Address: Tetra Tech - Seattle
670 N. Rosemead Blvd.
Pasadena, CA 91107
Phil Skorge-Pasadena

Date: 04/24/2001
Log #: L50576-3

Sample Description:

Lockheed

Analytical Report: TTMW4
Date Sampled: 02/13/2001
Time Sampled: 11:20
Date Received: 02/14/2001
Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst

General Chemistry (continued)

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

QAP# 980126 DOH# E86240 NC CERT# 444
SUB DOH# 86122,86109,E86048 ADEM ID# 40850 MA CERT# M-FL449
SC CERT# 96031001 TN CERT# 02985 CT CERT# PH-0122
ELPAT# 13801 GA CERT# 917
VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Mike Kimmel
Senior Project Manager

BIOSYSTEMS

CHAIN OF CUSTODY RECORD

Log # ____________

FTL-01-010103

Quote: FL50214-17/15/15/15/100

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received ON WET ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIME?	✓		
CUSTODY SEALS INTACT?	✓		
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

Company Name: TETRA TECH PO#:

Address: 794 S. MILITARY TRAIL

City: DEERFIELD State: FL Zip: 33441

Attn: PHIL SKORGE Fax#:

Project Name: LOCKHEED Proj#:

Sampler Name/Signature: [signature] Phone#: 206-5874648

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H_2O	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SU	Surface Water	O	Other ______ (Please Specify)

Pres/Codes

A. None	G. $Na_2S_2O_3$
B. HNO_3	H. $NaHSO_4$
C. H_2SO_4	I. Ice
D. NaOH	J. MCAA
E. HCL	O. Other
F. MeOH	

LAB ANALYSIS

											FL PRO	VOC 8260	Cl, Br, 601 B	NO3, SO4, ALK	METHANE	~~HPC~~	Field Filtered (Y/N)	Integrity OK (Y/N)	REMARKS
Sample											1	1	1	1					
pH											2	VOl	2	7					
Pres Codes											IC	IE	IB	I	I				
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix Code*	Samples Container No.	Samples Container Type	Samples Container Size												
1	TTMW2	2/13/01	0940	GW	8	(1)AL (2)SP(5) ✓					1	3	1	1	2	~~1~~			SAMPLES PLACED
2	TTMW3	2/13/01	1014	GW	8	(1)AL (1)P (2)SP(5) ✓					1	3	1	1	2	1			ON ICE
3	TTMW4	2/13/01	1120	GW	8	1					1	3	1	1	2				
4	TTMW1	2/13/01	1240	GW	8	(1)AL (2)SP(5) ✓					1	3	1	1	2				~~HPC 6 HR HOLD TIME~~
5	~~TTMW1A~~	~~2/13/01~~														*			
6	~~TTMW2A~~	~~2/13/01~~														*			
7	~~TTMW3A~~	~~2/13/01~~														*			5 W/ H17
8	~~TTMW4A~~	~~2/13/01~~														*			
9																			
0																			SH Del [illegible]

T.A.T. REQUEST STANDARD	RUSH	Short Hold	QA/QC Report Level	COC OK	Initials	Specific State Certification Required
Y/N	Date required ______	Y ✓ N ____	None ✓ 1 ____ 2 ____ 3 ____ Other ____	(Y) N	[initials]	[illegible]

Coolers #'s	Item	Relinquished by	Date	Time	Received by	Date	Time
					[signature]	2/13/01	0800
	01-04	[signature]	2/13/01	1254	[signature]	2/13/01	
Bailers	01-04	[signature]	[illegible]	[illegible]	[illegible]	2-13-01	1700
# ______					[signature]	2/14/01	0945

3231 N.W. 7th Avenue
Boca Raton, FL 33431
888-862-LABS
561-447-7373
888-456-4846 Fax
561-447-6136 Fax

C.O.C. # 2419

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