

SITE CHARACTERIZATION REPORT

TANK #K05 ~ closure in place of
U.S. COAST GUARD 1,000 gal. gasoline UST
COAST GUARD ISLAND Building #15
ALAMEDA, CA

Need investigation

Prepared By:

Scott Vickers

RAH Environmental, Inc.

3310 Swetzer Road

Loomis, CA 95650

October 23, 1997

I. INTRODUCTION

RAH Environmental, Inc. was contracted by the United States Coast Guard under contract #DTCG88-97-D-623174 to perform underground storage tank assessment and closure operations at Building 15 on Coast Guard Island in Alameda, CA. The project included the closure-in-place of Tank #K05, a one thousand gallon gasoline storage tank.

II. SITE DESCRIPTION

The project site is on Coast Guard Island, located in Alameda, CA. The underground storage tank is located under the floor of the maintenance shop in Building 15, and formerly stored gasoline. The tank is immediately inside of the south wall of the building and the only access to the tank was a four inch fill pipe located outside of the wall, and a one inch pipe inside of the building in a covered 2' X 2' access vault.

III. SOIL SAMPLING AND ANALYSIS

On August 28, 1997, two samples were collected from the soil immediately adjacent to and below tank #K05 as shown in Figure 1. One sample was collected from below the north end of the tank at a depth of 8.5' below ground surface and labeled BLDG. 15 NORTH. The other sample was collected from below the south end of the tank at a depth of 8.0' below ground surface and labeled BLDG. 15 SOUTH. The soil samples were collected by hand augering to the depth indicated and using a drive sampler with 2"x6" brass tubes. The soil at approximately 8.5' below ground surface was saturated, indicating the presence of groundwater. Groundwater could not be sampled, however, due to the small size of the borings. Once collected, the soil samples were capped, preserved on ice at 4°C and transported under chain of custody to NEI/GTEL for analysis. NEI/GTEL is state certified under #1845 and is located at 4080-C Pike Lane in Concord, CA 94520. The following table summarizes the conditions under which the samples were taken:

Table 1

Sample ID#	Time	Temperature	Weather	Tide
BLDG.15 NORTH	3:30 PM	78°	Clear, Sunny	-1.9
BLDG.15 SOUTH	3:45 PM	78°	Clear, Sunny	-1.5

Results of the soil sampling indicate that the subsurface soil has been impacted by petroleum hydrocarbons below the bottom of the tank. The samples both contained detectable concentrations of TPH-as-gas, benzene, toluene, ethylbenzene, and xylene. Concentrations of TPH-as-gas were 6,000 and 4,100 ppm; benzene - 3.2 and 7.0 ppm, toluene - 38 and 23 ppm; ethylbenzene - 81 and 55 ppm; and xylene - 270 and 190 ppm. The analytical results are summarized in Table 2 below, and the full analytical report is included as an attachment.

Table 2

Sample ID	Lead	TPHgas	Benzene	Toluene	Ethylbenzene	Xylene
BLDG. 15 NORTH	6.5	6,000	3.2	38	81	270
BLDG. 15 SOUTH	31	4,100	7.0	23	55	190

All results reported in **parts per million(mg/kg)**, unless otherwise indicated.

V. RECOMMENDATIONS

Based on the results of the soil sampling and analysis, there are significant concentrations of petroleum hydrocarbons in soil and additional assessment activities may be required before this site can be closed.

U.S. COAST GUARD - ISC ALAMEDA
TANK #K05 BLDG. 15
CLOSURE IN PLACE - 1,000 GALLON GASOLINE

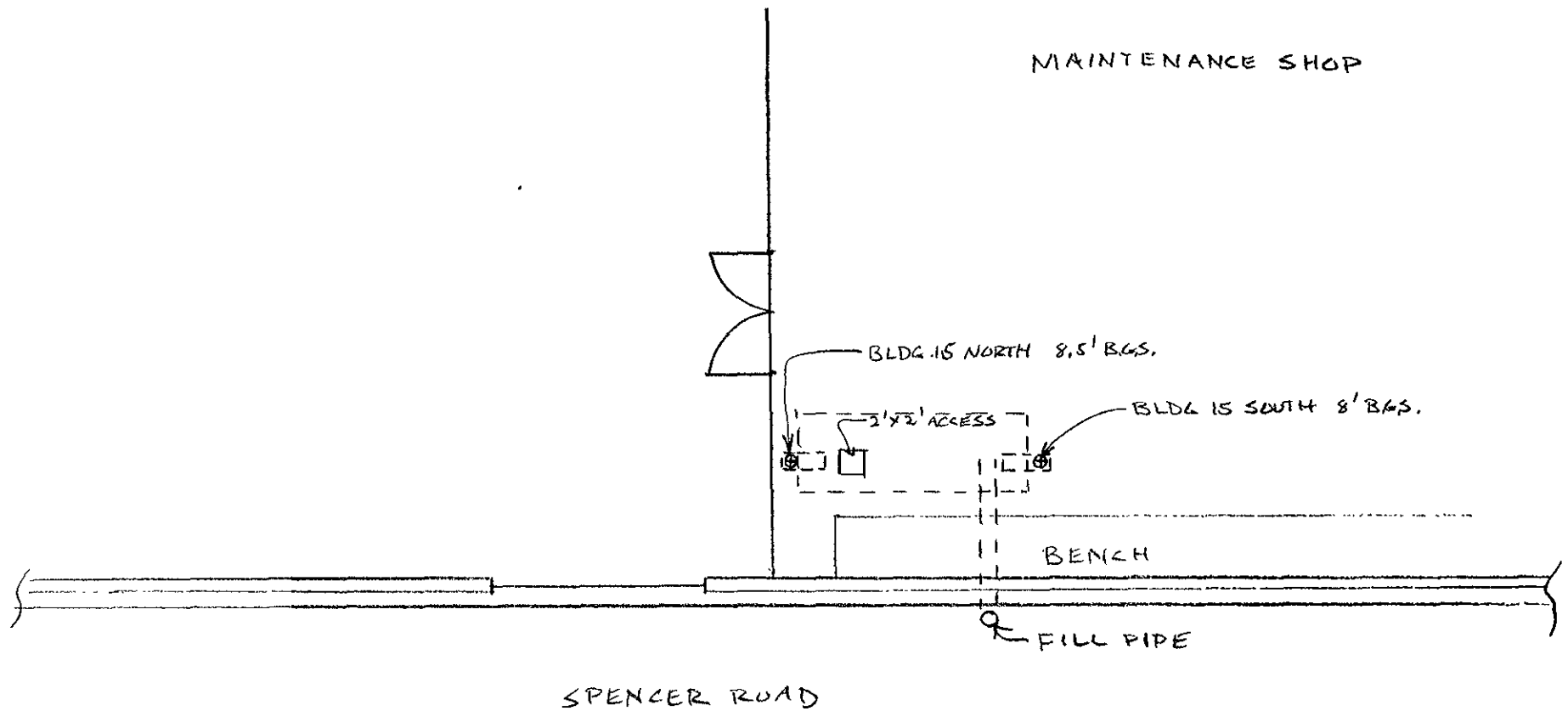


FIGURE 1



Midwest Region

4211 May Avenue
Wichita, KS 67209
(316) 945-2624
(800) 633-7936
(316) 945-0506 (FAX)

September 12, 1997

Scott Vickers
RAH Environmental Inc.
3310 Swetzer Road
Loomis, CA 95650

RE: NEI/GTEL Client ID: RAH01RAH01
Login Number: W7080571
Project ID (number):
Project ID (name): USCG/ALAMEDA/AFB

Dear Scott Vickers:

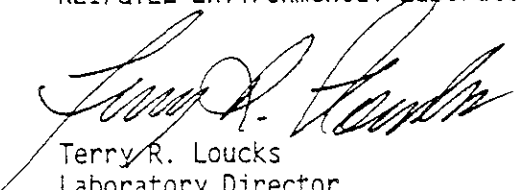
Enclosed please find the analytical results for the samples received by NEI/GTEL Environmental Laboratories, Inc. on 08/30/97 under Chain-of-Custody Number(s) 36374.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by NEI/GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes. This report is to be reproduced only in full.

NEI/GTEL is certified by the California Department of Health Service under Certification Number 2147.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
NEI/GTEL Environmental Laboratories, Inc.



Terry R. Loucks
Laboratory Director

ANALYTICAL RESULTS
Metals

NEI/GTEL Client ID: RAH01RAH01
 Login Number: W7080571
 Project ID (number): RAH01RAH01
 Project ID (name): USCG/ALAMEDA/AFB

Method: EPA 7421
 Matrix: Solids

NEI/GTEL Sample Number	W7080571-04	W7080571-05	W7080571-06	W7080571-07
Client ID	BLDG 19 WEST	BLDG 19 EAST	BLDG 19 PILE	BLDG 15 NORTH
Date Sampled	08/28/97	08/28/97	08/28/97	08/28/97
Date Prepared	09/12/97	09/12/97	09/12/97	09/12/97
Date Analyzed	09/12/97	09/12/97	09/12/97	09/12/97
Dilution Factor	20.0	10.0	10.0	5.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Lead	0.40	mg/kg	62.	26.	24.	6.5
Percent Solids	--	%	79.3	78.5	83.2	90.8

Notes:
 Dilution Factor:
 Dilution factor indicates the adjustments made for sample dilution.

EPA 7421:
 Digestion by EPA Method 3050A. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including Update 2.

ANALYTICAL RESULTS
Metals

NEI/GTEL Client ID: RAH01RAH01
 Login Number: W7080571
 Project ID (number): RAH01RAH01
 Project ID (name): USCG/ALAMEDA/AFB

Method: EPA 7421
 Matrix: Solids

NEI/GTEL Sample Number	W7080571-08	--	--	--
Client ID	BLDG 15 SOUTH	--	--	--
Date Sampled	08/28/97	--	--	--
Date Prepared	09/12/97	--	--	--
Date Analyzed	09/12/97	--	--	--
Dilution Factor	10.0	--	--	--

Analyte	Reporting Limit	Units	Concentration	Wet Weight
Lead	0.40	mg/kg	31.	--
Percent Solids		%	87.2	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 7421:

Digestion by EPA Method 3050A. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods". SW-846. Third Edition including Update 2.

ANALYTICAL RESULTS
Total Petroleum Hydrocarbons By GC

NEI/GTEL Client ID: RAH01RAH01
 Login Number: W7080571
 Project ID (number): RAH01RAH01
 Project ID (name): USCG/ALAMEDA/AFB

Method: GC
 Matrix: Solids

NEI/GTEL Sample Number	W7080571-01	W7080571-02	W7080571-03	--
Client ID	BLDG 51 TANK	BLDG 51 PUMP	BLDG 51 PILE	--
Date Sampled	08/28/97	08/28/97	08/28/97	--
Date Prepared	09/04/97	09/04/97	09/04/97	--
Date Analyzed	09/06/97	09/06/97	09/06/97	--
Dilution Factor	1.00	1.00	1.00	--

Analyte	Reporting		Concentration:Wet Weight		
	Limit	Units			
TPH as Diesel	10	mg/kg	< 10	31	150
Percent Solids	--	%	97.5	85.3	100

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

GC:

Extraction by EPA Method 3550 (sonication). ASTM Method D3328(modified) is used for qualitative identification of fuel patterns. The method has been modified to include quantitation by applying calibration and quality assurance guidelines outlined in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. This method is equivalent to the California LUFT manual DHS method for diesel fuel

W7080571-02:

The material present is qualitatively uncertain. Therefore, all material in the C9 to C22 range was quantitated against diesel fuel without respect to pattern. Chromatographic data indicates the presence of material, which is heavier than diesel fuel, in this sample.

W7080571-03:

The material present is qualitatively uncertain. Therefore, all material in the C9 to C22 range was quantitated against diesel fuel without respect to pattern. Chromatographic data indicates the presence of material, which is heavier than diesel fuel, in this sample.

NEI/GTEL Client ID: RAH01RAH01
 Login Number: W7080571
 Project ID (number): RAH01RAH01
 Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Total Petroleum Hydrocarbons By GC
 Method: GC
 Matrix: Solids

Conformance/Non-Conformance Summary

(X = Requirements Met * = See Comments -- = Not Required NA = Not Applicable)

Conformance Item	Volatile Organics	Semi-Volatile Organics	Inorganics (MT, WC)
GC/MS Tune	--	--	NA
Initial Calibration	--	--	--
Continuing Calibration	--	--	--
Surrogate Recovery	--	*	NA
Holding Time	--	X	--
Method Accuracy	--	X	--
Method Precision	--	X	--
Blank Contamination	--	X	--

Comments:

NEI/GTEL Client ID: RAH01RAH01
Login Number: W7080571
Project ID (number): RAH01RAH01
Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Total Petroleum Hydrocarbons By GC
Method: GC
Matrix: Solids

Surrogate Results

QC Batch No.	Reference	Sample ID	OTP
Method: GC			Acceptability Limits: 43.7-111%
090497TPHS-1	BS090497TPH	Method Blank Soil	43.6*
090497TPHS-2	LS090497TPH	Laboratory control	69.3
090497TPHS-3	LSD090497TPH	LCS Soil Duplicate	69.3
090497TPHS-4	MS08054501	Matrix Spike	73.0
090497TPHS-5	MO08054501	Matrix Spike Dupl 1	65.7
--	08057101	BLDG 51 TANK	66.1
--	08057102	BLDG 51 PUMP	78.0
--	08057103	BLDG 51 PILE	73.8

Notes:

*: Indicates values outside of acceptability limits. See Sample Report.
Acceptability limits are derived from statistical analysis of laboratory samples.

NEI/GTEL Client ID: RAH01RAH01
Login Number: W7080571
Project ID (number): RAH01RAH01
Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Total Petroleum Hydrocarbons By GC
Method: GC
Matrix: Solids

Method Blank Results

QC Batch No: 090497TPHS-1
Date Analyzed: 05-SEP-97

Analyte	Method:GC	Concentration: mg/kg
Diesel Range Organics		< 10.0

Notes:

090497TPHS-1: Surrogate spike recovery is outside of acceptability limits. The reported concentration for this sample should be considered as an estimate.

NEI/GTEL Client ID: RAH01RAH01
 Login Number: W7080571
 Project ID (number): RAH01RAH01
 Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Total Petroleum Hydrocarbons By GC
 Method: GC
 Matrix: Solids

Matrix Spike(MS) and Matrix Spike Duplicate(MSD) Results

GTEL Sample ID:W7080545-01		MS ID:MS08054501		MSD ID:MD08054501				Acceptability Limits		
Analysis Date: 06-SEP-97		05-SEP-97		05-SEP-97				RPD	RPD	%Rec.
Units: ug/ml	Sample	Spikes Added		MS	MS	MSD	MSD			
Analyte	Conc.	MS	MSD	Conc.	% Rec.	Conc.	% Rec.	RPD	RPD	%Rec.
Diesel Range Organics	< 10:0(0.190)	66.4	66.3	47.9	71.9	41.0	62.5	14.0	29.2	34.3-121

Notes:

Values in parentheses in the sample concentration column are used for % recovery calculations.
 Acceptability limits are derived from statistical analysis of laboratory samples.

NEI/GTEL Client ID: RAH01RAH01
 Login Number: W7080571
 Project ID (number): RAH01RAH01
 Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Total Petroleum Hydrocarbons By GC
 Method: GC
 Matrix: Solids

Laboratory Control Sample (LCS) and Laboratory Control Duplicate Results

Analyte	Spike Amount	LCS Concentration	LCS Recovery, %	LCS Duplicate Concentration	LCS Duplicate Recovery, %	Acceptability Limits			
						RPD, %	RPD, %	Recovery, %	
GC	Units: mg/kg	QC Batch: 090497TPHS-3							
Diesel Range Organics	66.7	47.4	72.3	47.8	72.3	0.00	30.4	39.8	115%

Notes:

Acceptability limits are derived from statistical analysis of laboratory samples.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: RAH01RAH01
 Login Number: W7080571
 Project ID (number): RAH01RAH01
 Project ID (name): USCG/ALAMEDA/AFB

Method: EPA 8020A
 Matrix: Solids

NEI/GTEL Sample Number	W7080571-01	W7080571-02	W7080571-03	W7080571-04
Client ID	BLDG 51 TANK	BLDG 51 PUMP	BLDG 51 PILE	BLDG 19 WEST
Date Sampled	08/28/97	08/28/97	08/28/97	08/28/97
Date Analyzed	09/04/97	09/04/97	09/04/97	09/04/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	0.35
Toluene	0.10	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10
Ethylbenzene	0.10	mg/kg	< 0.10	< 0.10	< 0.10	14
Xylenes (total)	0.20	mg/kg	< 0.20	< 0.20	< 0.20	11
TPH as Gasoline	10	mg/kg				3000
Percent Solids	--	%	97.5	85.3	100	79.3

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap and modified EPA Method 8015. "Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update II.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: RAH01RAH01
 Login Number: W7080571
 Project ID (number): RAH01RAH01
 Project ID (name): USCG/ALAMEDA/AFB

Method: EPA 8020A
 Matrix: Solids

NEI/GTEL Sample Number	W7080571-05	W7080571-06	W7080571-07	W7080571-08
Client ID	BLDG 19 EAST	BLDG 19 PILE	BLDG 15 NORTH	BLDG 15 SOUTH
Date Sampled	08/28/97	08/28/97	08/28/97	08/28/97
Date Analyzed	09/04/97	09/04/97	09/05/97	09/05/97
Dilution Factor	1.00	1.00	5.00	5.00

Analyte	Reporting		Concentration:Wet Weight			
	Limit	Units				
Benzene	0.05	mg/kg	0.10	< 0.05	3.2	7.0
Toluene	0.10	mg/kg	< 0.10	< 0.10	38.	23.
Ethylbenzene	0.10	mg/kg	4.2	1.3	81.	55.
Xylenes (total)	0.20	mg/kg	2.7	2.5	270	190
TPH as Gasoline	10.	mg/kg	730	230	6000	4100
Percent Solids		%	78.5	83.2	90.8	87.2

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap and modified EPA Method 8015. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods". SW-846. Third Edition including promulgated Update II.

NEI/GTEL Client ID: RAH01RAH01
Login Number: W7080571
Project ID (number): RAH01RAH01
Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Solids

Conformance/Non-Conformance Summary

(X = Requirements Met * = See Comments -- = Not Required NA = Not Applicable)

Conformance Item	Volatile Organics	Semi-Volatile Organics	Inorganics (MT, WC)
GC/MS Tune	--	--	NA
Initial Calibration	--	--	--
Continuing Calibration	X	--	--
Surrogate Recovery	X	--	NA
Holding Time	X	--	--
Method Accuracy	X	--	--
Method Precision	X	--	--
Blank Contamination	X	--	--

Comments:

NEI/GTEL Client ID: RAH01RAH01
Login Number: W7080571
Project ID (number): RAH01RAH01
Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Solids

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT
Method: EPA 8020A Acceptability Limits:			43-136%
090497GC10-1	CV0904972010	Calibration Verifi	88.2
090497GC10-2	BW09049710	Method Blank Water	91.1
090497GC10-3	BS09049710	Method Blank Soil	107
090497GC10-4	MS08057101	Matrix Spike	111
090497GC10-5	MO08057101	Matrix Spike Dupl	114
090497GC10-6	LS09049710	Laboratory control	115
--	08057101	BLDG 51 TANK	109
--	08057102	BLDG 51 PUMP	106
--	08057103	BLDG 51 PILE	84.6
--	08057104	BLDG 19 WEST	132
--	08057105	BLDG 19 EAST	129
--	08057106	BLDG 19 PILE	66.2
--	08057107	BLDG 15 NORTH	93.2
--	08057108	BLDG 15 SOUTH	73.4

Notes:

*: Indicates values outside of acceptability limits. See Sample Report.

NEI/GTEL Client ID: RAH01RAH01
Login Number: W7080571
Project ID (number): RAH01RAH01
Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Solids

Method Blank Results

QC Batch No: 090497GC10-2
Date Analyzed: 04-SEP-97

Analyte	Method: EPA 8020A	Concentration: ug/L
Benzene		< 0.400
Toluene		< 0.500
Ethylbenzene		< 0.400
Xylenes (Total)		< 0.800
TPH as Gasoline		< 50.0

Notes:

NEI/GTEL Client ID: RAH01RAH01
Login Number: W7080571
Project ID (number): RAH01RAH01
Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Solids

Method Blank Results

QC Batch No: 090497GC10-3
Date Analyzed: 04-SEP-97

Analyte	Method: EPA 8020A	Concentration: mg/kg
Benzene	< 0.0500	
Toluene	< 0.100	
Ethylbenzene	< 0.100	
Xylenes (Total)	< 0.200	
TPH as Gasoline	< 10.0	

Notes:

NEI/GTEL Client ID: RAH01RAH01
Login Number: W7080571
Project ID (number): RAH01RAH01
Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Solids

Calibration Verification Sample Summary

Analyte	Spike Amount	Check Sample Concentration	QC Percent Recovery	Acceptability Limits Recovery
EPA 8020A	Units:ug/L	QC Batch:090497GC10-1		
Benzene	20.0	16.1	80.5	77-123%
Toluene	20.0	16.0	80.0	77.5-122.5%
Ethylbenzene	20.0	17.1	85.5	63-137%
Xylenes (Total)	60.0	55.1	91.8	85-115%
TPH as Gasoline	500	580	116	80-120%

Notes:

QC check source: Supelco #LA12389

NEI/GTEL Client ID: RAH01RAH01
Login Number: W7080571
Project ID (number): RAH01RAH01
Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Solids

Laboratory Control Sample Summary

Analyte	Spike Amount	Check Sample Concentration	QC Percent Recovery	Acceptability Limits Recovery
EPA 8020A	Units:mg/kg	QC Batch:090497GC10-6		
Benzene	5.00	4.06	81.2	39-150%
Toluene	5.00	4.21	84.2	46-148%
Ethylbenzene	5.00	4.25	85.0	32-160%
Xylenes (Total)	15.0	13.0	86.7	41-155%
TPH as Gasoline	100	63.9	63.9*	80-120%

Notes:

NEI/GTEL Client ID: RAH01RAH01
Login Number: W7080571
Project ID (number): RAH01RAH01
Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Solids

Laboratory Control Sample Summary

Analyte	Spike Amount	Check Sample Concentration	QC Percent Recovery	Acceptability Limits Recovery
EPA 8020A	Units:mg/kg	QC Batch:090497GC10-6		
Benzene	5.00	4.06	81.2	39-160%
Toluene	5.00	4.21	84.2	46-148%
Ethylbenzene	5.00	4.25	85.0	32-160%
Xylenes (Total)	15.0	13.0	86.7	41-155%
TPH as Gasoline	100	63.9	63.9*	80-120%

Notes:

NEI/GTEL Client ID: RAH01RAH01
Login Number: W7080571
Project ID (number): RAH01RAH01
Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Solids

Matrix Spike(MS) Results

GTEL Sample ID:W7080571-01		MS ID:MS08057101			
Analysis Date: 04-SEP-97		04-SEP-97			
Units: mg/kg	Sample	Spike	MS	MS	Acceptability Limits
Analyte	Conc.	Added	Conc.	% Rec.	%Rec.
Benzene	< 0.05(0.000)	4.85	3.95	81.4	39-150
Toluene	< 0.10(0.000)	4.85	4.04	83.3	46-148
Ethylbenzene	< 0.10(0.000)	4.85	4.15	85.6	32-160
Xylenes (Total)	< 0.20(0.000)	14.6	12.9	88.4	41-155

NEI/GTEL Client ID: RAH01RAH01
 Login Number: W7080571
 Project ID (number): RAH01RAH01
 Project ID (name): USCG/ALAMEDA/AFB

QUALITY CONTROL RESULTS

Volatile Organics
 Method: EPA 8020A
 Matrix: Solids

Matrix Spike(MS) and Matrix Spike Duplicate(MSD) Results

GTEL Sample ID:W7080571-01		MS ID:MS08057101		MSD ID:MD08057101						
Analysis Date: 04-SEP-97		04-SEP-97		04-SEP-97						
Units: mg/kg	Sample	Spikes Added		MS	MS	MSD	MSD	Acceptability Limits		
Analyte	Conc.	MS	MSD	Conc.	% Rec.	Conc.	% Rec.	RPD	RPD	%Rec.
Benzene	< 0.05(0.000)	4.85	5.05	3.95	81.4	4.13	81.8	0.500	28.3	39-150
Toluene	< 0.10(0.000)	4.85	5.05	4.04	83.3	4.22	83.6	0.400	30	46-148
Ethylbenzene	< 0.10(0.000)	4.85	5.05	4.15	85.5	4.24	84.0	1.90	30	32-160
Xylenes (Total)	< 0.20(0.000)	14.6	15.2	12.9	88.4	13.4	88.2	0.200	30	41-155

Notes:

Values in parentheses in the sample concentration column are used for % recovery calculations.



4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7652
(800) 423-7143

**CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST**

36374

ANALYSIS REQUEST

OTHER

Company Name: RAH Environmental, Inc Phone #: 916-672-0000
 Company Address: 3310 Swetzer Rd, Lodi, CA 95240 Site Location:
 Project Manager: Scott Viekers Client Project ID: (#)
 I attest that the proper field sampling procedures were used during the collection of these samples. (NAME) USCB
 Sampler Name (Print): Scott Viekers

Field Sample ID	GTEL Lab # (Lab Use only)	# CONTAINERS	Matrix						Method Preserved						Sampling		STEX 602 <input type="checkbox"/> 8020 <input type="checkbox"/> with MTBE <input type="checkbox"/>	BTEx/Gas Hydrocarbons PID/FID <input checked="" type="checkbox"/> with MTBE <input type="checkbox"/>	Hydrocarbons GC/FID Gas <input type="checkbox"/> Diesel <input checked="" type="checkbox"/> Screen <input type="checkbox"/>	Hydrocarbon Profile (SIMDIS) <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/> SM-503 <input type="checkbox"/>	TPH/IR 418.1 <input type="checkbox"/> SM 503 <input type="checkbox"/>	ED9 by 504 <input type="checkbox"/> DBCP by 504 <input type="checkbox"/>	EPA 503.1 <input type="checkbox"/> EPA 502.2 <input type="checkbox"/>	EPA 601 <input type="checkbox"/> EPA 8010 <input type="checkbox"/>	EPA 602 <input type="checkbox"/> EPA 8020 <input type="checkbox"/>	EPA 608 <input type="checkbox"/> 8080 <input type="checkbox"/> PCB only <input type="checkbox"/>	EPA 624/PPL <input type="checkbox"/> 8240/TAL <input type="checkbox"/> NBS (+15) <input type="checkbox"/>	EPA 625/PPL <input type="checkbox"/> 8270/TAL <input type="checkbox"/> NBS (+25) <input type="checkbox"/>	EPA 610 <input type="checkbox"/> 8310 <input type="checkbox"/>	EP TOX Metals <input type="checkbox"/> Pesticides <input type="checkbox"/> Herbicides <input type="checkbox"/>	TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-VOA <input type="checkbox"/> Pest <input type="checkbox"/> Herb <input type="checkbox"/>	EPA Metals - Priority Pollutant <input type="checkbox"/> TAL <input type="checkbox"/> RCRA <input type="checkbox"/>	CAM Metals TTLC <input type="checkbox"/> STLC <input type="checkbox"/>	Lead 239.2 <input type="checkbox"/> 200.7 <input type="checkbox"/> 7420 <input type="checkbox"/> 7421 <input type="checkbox"/> 6010 <input type="checkbox"/>	Organic Lead <input type="checkbox"/>	Corrosivity <input type="checkbox"/> Flash Point <input type="checkbox"/> Reactivity <input type="checkbox"/>	Total Lead	
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO3	H2SO4	ICE	UNPRE-SERVED	OTHER (Specify)	DATE	TIME																							
Bldg 51 Tank		1	X											8/29/97	NA	X	X																						
Bldg 51 Pump																X	X																						
Bldg 51 Pile																X	X																						
Bldg 19 West																X	X																						
Bldg 19 East																X	X																						
Bldg 19 Pile																X	X																						
Bldg 15 North																X	X																						
Bldg 15 South																X	X																						

TAT: Priority (24 hr) Expedited (48 hr) 7 Business Days Other 5 DAY Business Days

Special Handling: GTEL Contact _____ Quote/Contract # _____ Confirmation # _____ PO # _____

QA/QC Level: Blue CLP Other

SPECIAL DETECTION LIMITS: _____

SPECIAL REPORTING REQUIREMENTS: _____

FAX

REMARKS: 5 Day TAT
Quote # Q12970141

Lab Use Only Lot #: _____ Storage Location: _____

Work Order #: _____

CUSTODY RECORD	Relinquished by Sampler:	Date	Time	Received by:
	<u>Scott Viekers</u>	<u>8/29/97</u>	<u>1 7:30 pm</u>	<u>Bruce Thump</u>
	<u>Bruce Thump</u>	<u>8/29/97</u>	<u>1 4:20 pm</u>	
Relinquished by:	Date	Time	Received by Laboratory:	Waybill #
	<u>8/30/97</u>	<u>09:17</u>		