

October 23, 1995

ENVIRONMENTAL  
PROJECTS  
95 OCT 31 AM 9:13

Mr. Scott Seery  
Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
UST Local Oversight Program  
80 Swan Way, Room 200  
Oakland, California 94621

**SUBJECT: SUBSURFACE INVESTIGATION REPORT**  
4TH STREET AND MADIGAN AVENUE ON THE SANTA RITA  
PROPERTY, ALAMEDA COUNTY, CALIFORNIA  
Versar Project Number 2241-014

Dear Mr. Seery:

This report has been prepared by Versar, Inc. (Versar) to present the results of a subsurface investigation conducted on the northwest corner of 4th Street and Madigan Avenue (Site) on the Santa Rita property in Alameda County, California (Figure 1). The work was performed on behalf of the County of Alameda General Services Agency (GSA), under the direction of Mr. Rod Freitag, to further characterize the extent of soil and/or groundwater impacted by petroleum hydrocarbons released at the site. Information used to develop this investigation was based on a site reconnaissance and reports supplied to Versar by the GSA, as well as a meeting with you on July 15, 1995.

## BACKGROUND

In May 1992, Environmental Science & Engineering, Inc. coordinated and supervised the removal of three underground storage tanks (USTs) (Numbers 4, 4a, 4b) from a single excavation on the site. The respective capacities of the underground storage tanks were 3,500, 8,000 and 10,000 gallons, all of which were used to store diesel fuel or fuel oil. Perforations or holes were reportedly not observed in the USTs upon removal. However, stained soils were observed during the excavation procedure. Three of the five soil samples collected from native soils below the USTs were reported to contain elevated concentrations of total petroleum hydrocarbons as diesel (TPH/D) and total oil and grease (TOG). The highest concentration of TPH/D (15,000 mg/kg) was reported present in a sample collected from an approximate depth of 15 feet below ground surface (bgs) in the southwestern corner of the excavation (Figure 2). Soils removed during the excavation process were stockpiled on-site adjacent to the former UST locations. The UST excavation was not backfilled following the completion of the tank removals. Concrete hold-down pads for the tanks were not excavated during the tank removal procedure and remain in the excavation.

In response to the results of the initial soil sample analyses, Versar submitted a workplan (dated August 2, 1995) to address the need for an additional subsurface investigation at the site.

ENVIRONMENTAL  
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## FIELD INVESTIGATION

Versar developed a site Health and Safety plan prior to initiating field activities. This site-specific Health and Safety Plan was prepared to set forth procedures for safe conduct during completion of the field investigation. The Health and Safety Plan is designed to minimize risks to Versar personnel and others caused by potential exposure to hazardous materials or unsafe work conditions.

### Soil Boring Drilling and Sampling

On September 1, 1995, four soil borings (B1 through B4) were drilled and sampled to depths ranging from 25 to 40 feet bgs, at the approximate locations shown on Figure 2.

The borings were drilled using a truck-mounted drilling rig equipped with 8-inch-diameter hollow-stem augers. During the borehole drilling, soil samples were collected at a maximum of 5-foot intervals for visual identification and classification. Soil samples were collected using a California-modified split-spoon sampler lined with brass sample tubes. Soil sample collection was accomplished by driving the sampler approximately 18 inches into undisturbed soils below the lead auger. Upon retrieval of the sampler at each sample interval, the lowest sample tube was removed, the ends of the sample tube were covered with Teflon<sup>®</sup> wrap, capped with plastic end-caps, labeled for identification purposes, and immediately placed in an insulated chest with ice, pending shipment to the laboratory for analysis. Chain-of-custody procedures were followed, including the use of chain-of-custody forms to document sample collection, handling, and transport to the laboratory. A second sample tube from the sampler was retained for head-space screening of organic vapors using an organic vapor analyzer (OVA).

The soil lithology was described by a Versar geologist working under the direction of a California State-registered geologist. Drilling logs were generated in the field to record descriptions of the soil types, sample depths and designations, and any observed significant features related to the presence of petroleum hydrocarbons or other hazardous materials. The drilling logs are included as Attachment 1. As shown on the logs, no field indicators or visual observation of potential contamination were noted during the drilling and sampling activities.

To assess groundwater conditions beneath the site, two groundwater grab samples were collected, one each from borings B2 and B3. The groundwater was encountered at 39 feet bgs at both locations. These borings were placed in a presumed down-gradient groundwater flow direction from the former UST excavation.



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In order to reduce the potential for cross-contamination, the downhole sampling equipment was decontaminated between sampling events using a laboratory-grade detergent solution, rinsed in two tapwater baths, with a final rinse in deionized water. Additionally, the augers and associated drilling equipment were pressure-washed with a hot pressure washer prior to beginning drilling and between borings. Equipment rinseate generated during this investigation was deposited and sealed in 55-gallon U.S. Department of Transportation (DOT)-approved drums, then labeled and stored on-site pending receipt of laboratory analytical results and evaluation of disposal alternatives. Soil cuttings were stockpiled on plastic sheeting, and covered with plastic sheeting, for temporary storage.

After completion, the borings were backfilled with a bentonite/cement grout seal from total depth to the ground surface.

### **Soil and Groundwater Analytical Results**

Twenty soil samples and two groundwater samples were submitted for analysis to McCampbell Analytical, Inc., a state-certified analytical laboratory in Pacheco, California. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPH/G); TPH/D; and benzene, toluene, ethylbenzene, and xylenes, in accordance with Environmental Protection Agency (EPA) Methods 8015 (modified) and 8020. The analytical results are presented in the laboratory report, included as Attachment 2.

Analytical results of the soil samples indicated that no detectable concentrations of the selected analytes were found, therefore, none of the soil samples were analyzed for semi-volatile organic compounds. Analytical results from the two groundwater grab samples indicated that boring B2 contained 84 ug/L (equivalent to parts-per-billion, ppb) TPH/D. The groundwater samples from Boring B3 did not have any detectable concentrations of analytes.

### **CONCLUSIONS AND RECOMMENDATIONS**

Based on the field observation and analytical results, Versar recommends that no further action is warranted for the site, and the site be considered for closure. Versar's recommendation is supported by the following:

- Groundwater beneath the site is located approximately 39 feet bgs, and no carcinogenic constituents were detected from groundwater samples collected in a presumed down-gradient groundwater flow direction from the former UST excavation.



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Laboratory analysis of the groundwater grab sample collected from boring B2 indicated 84 ug/L of TPH/D, slightly above the laboratory reporting limit of 50 ug/L. Because a grab sample collected through augers often contains soil particulate, which preferentially adsorb hydrocarbons, this may not be representative of groundwater conditions beneath the site. Additionally, the TPH/D concentration at this level is not considered to be a threat to human health or the environment.

Soil sampling analytical results from the four borings did not indicate the presence of petroleum hydrocarbons or gasoline contamination beneath the site.

No visual or field indications of petroleum hydrocarbons were noted in any of the borings.

If you have any questions or concerns regarding this report, or would like to arrange a meeting to discuss this project, please contact John Bird at (510) 814-5929.

Sincerely,

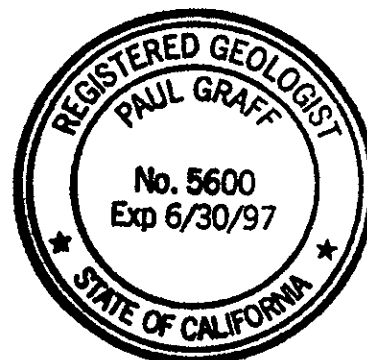
Versar, Inc.

Prepared By:

Reviewed By:

Paul Graff, R.G.  
Senior Geologist  
R.G. No. 5600

John C. Bird, R.E.A.  
Project Manager



cc: Rod Freitag  
Alameda County General Services Agency

PKG/pkg

**Versar** INC.

CONFIDENTIAL  
PROTECTED  
95 OCT 31 AM 9:19

**FIGURES**



**ATTACHMENT 1**

**DRILLING LOGS**

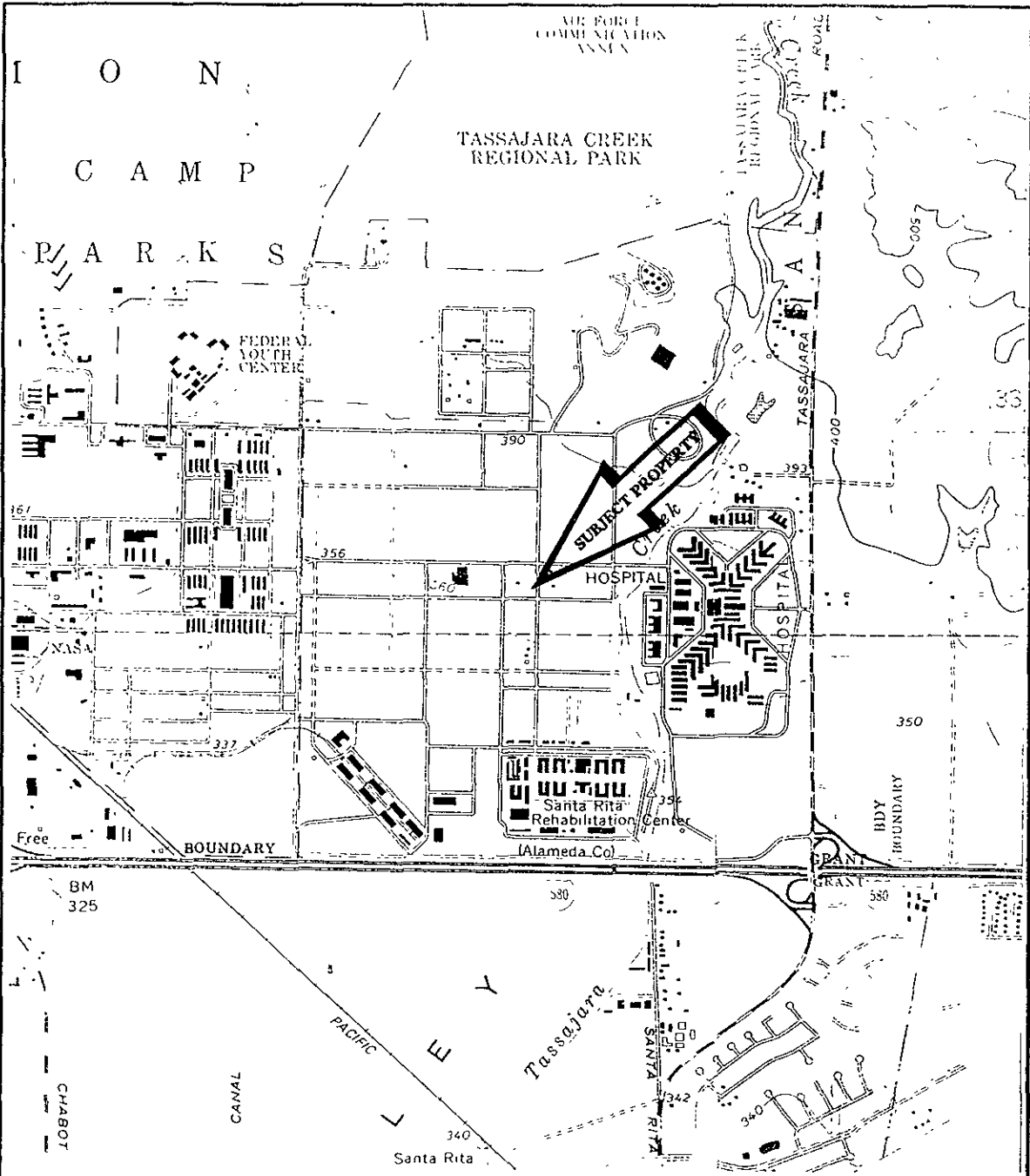


**ATTACHMENT 2**  
**LABORATORY REPORT**

**Versar** INC.

**FIGURES**





NOTE: Base map from USGS Dublin, California and Livermore, California Quadrangles, 7.5 minute series (Topographic) 1961. Photorevised 1980.



**SITE  
LOCATION  
MAP**

County of Alameda - G.S.A.  
Santa Rita Site  
4th & Madigan  
Dublin, California

January 1994  
Versar Project:  
2241-014  
FAGRAPHIC2241-14F

**FIGURE  
1**  
Not To Scale

Sample 4BE @ 14' BGS  
 5,100 PPM Tph/D  
 5,300 PPM TOG

B1  
 TD  
 25'

Sample 4W @ 14' BGS  
 15,000 PPM Tph/D  
 5,000 PPM TOG

B2  
 TD  
 40'

EXISTING  
 EXCAVATION

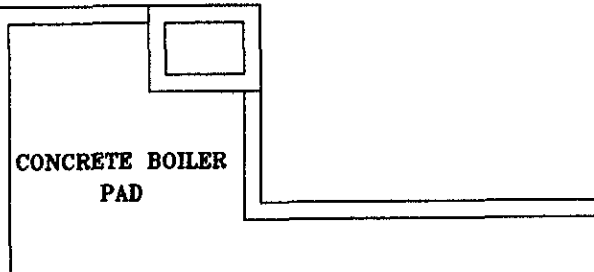
ND

Sample 4AE @ 14' BGS  
 600 PPM Tph/D  
 1,200 PPM TOG

B4  
 TD  
 25'

ND

B3  
 TD  
 40'



Estimated  
 Groundwater  
 Flow Direction

**LEGEND**

- Approximate Limits of Excavation
- Previous Soil Boring Locations
- B1 ○ Soil Boring
- ⊕ Hydropunch Groundwater Sample
- TD Total Boring Depth, Feet Below Ground Surface (BGS)

SCALE



**NOTE:**

ALL DIMENSIONS AND LOCATIONS  
 ARE APPROXIMATE



SITE  
 MAP

Ref. Map Adopted from ESE Site Map

County of Alameda - G.S.A.  
 Santa Rita Site  
 4th & Madigan  
 Dublin, California

August 1995  
 Versar Project:  
 2241-014



FIGURE  
 2



**ATTACHMENT 1**  
**DRILLING LOGS**















<i>Versar Inc.</i>	<b>DRILLING LOG</b>	PROJECT NO. <u>2241-014</u>
Supervising Geologist: I Bird		Site Name: Santa Rita - Alameda County
Log By: M Harrison		Boring No: B4
Date: 9/1/95		Boring Diameter: 8-inch
Drilling Contractor: West Hazmat Drilling Corp.		Boring Depth: 25-feet
Contractor Lic. No. C57-554979		Boring Location: See figure
Rig Type: CME-75		
Driller: George DeJesus		

Depth (ft)	Advanced/Recovered	Blow Counts	First Water/ Water Table	Well Construction	USCS Group	Lithology	USCS SOIL DESCRIPTION SOIL CONDITION AND GEOLOGIC INTERPRETATION	Headspace (ppm)
							SOIL TYPE, ROUNDING, SORTING, PERCENT: GRAVEL, SANDS, FINES COLOR, MOISTURE, DENSITY, SECONDARY POROSITY, ODORS, STAINING GEOLOGY: FILL, ALLUVIUM, BEDROCK	
2							Fill - gravel grading to unconsolidated brown silty sand with depth	
4								
6								
8								
10	X	18			SP SM		Brown-Sand to silty sandy clay, poorly sorted, medium dense, no odor or staining.	0
12								
14	X	7			SM		Silty sand, moderately sorted, medium dense, no odor or staining, moist.	0
16								
18								
20	X	6			CL		Brown-sandy clay, brown, moist, trace silt, no odor or staining.	0
22							25' End of borehole.	



**ATTACHMENT 2**  
**LABORATORY REPORT**

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553  
Tele: 510-798-1620 Fax: 510-798-1622

09/14/95

Dear John:

Enclosed are:

- 1). the results of 22 samples from your # 2241-014; 4th & Madigan, Santa Rita project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,



Edward Hamilton

Versar 1255 Harbor Bay Pkwy, # 100 Alameda, CA 94502	Client Project ID: # 2241-014; 4th & Madigan, Santa Rita	Date Sampled: 09/01/95
	Client Contact: John Bird	Date Received: 09/01/95
	Client P.O.:	Date Extracted: 09/01/95
		Date Analyzed: 09/03-09/04/95

**Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline\*, with BTEX\***

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g) <sup>+</sup>	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
55979	B1-10	S	---	ND	ND	ND	ND	105
55980	B1-15	S	---	ND	ND	ND	ND	102
55981	B1-20	S	---	ND	ND	ND	ND	104
55982	B1-25	S	---	ND	ND	ND	ND	103
55983	B2-10	S	---	ND	ND	ND	ND	108
55984	B2-15	S	---	ND	ND	ND	ND	103
55985	B2-20	S	---	ND	ND	ND	ND	106
55986	B2-25	S	---	ND	ND	ND	ND	105
55987	B2-30	S	---	ND	ND	ND	ND	106
55988	B2-35	S	---	ND	ND	ND	ND	104
55989	B2-40	S	---	ND	ND	ND	ND	105
55990	B3-10	S	---	ND	ND	ND	ND	108
55991	B3-15	S	---	ND	ND	ND	ND	106
55992	B3-20	S	---	ND	ND	ND	ND	106
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W	50 ug/L	0.5	0.5	0.5	0.5		
	S	1.0 mg/kg	0.005	0.005	0.005	0.005		

\* water and vapor samples are reported in ug/L, soil samples in ng/kg, and all TCLP extracts in mg/L

# cluttered chromatogram; sample peak coelutes with surrogate peak

+ The following descriptions of the TPH chromatogram are cur:ory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~ 5 vol. % sediment; j) no recognizable pattern.



McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553  
Tele: 510-798-1620 Fax: 510-798-1622

Versar 1255 Harbor Bay Pkwy. # 100 Alameda, CA 94502	Client Project ID: # 2241-014; 4th & Madigan, Santa Rita	Date Sampled: 09/01/95
	Client Contact: John Bird	Date Received: 09/01/95
	Client P.O.:	Date Extracted: 09/01-09/08/95
		Date Analyzed: 09/01-09/02/95

**Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel \***

EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d) <sup>+</sup>	% Recovery Surrogate
55979	B1-10	S	ND	100
55980	B1-15	S	ND	100
55981	B1-20	S	ND	100
55982	B1-25	S	ND	100
55983	B2-10	S	ND	99
55984	B2-15	S	ND	98
55985	B2-20	S	ND	100
55986	B2-25	S	ND	100
55987	B2-30	S	ND	100
55988	B2-35	S	ND	98
55989	B2-40	S	ND	98
55990	B3-10	S	ND	95
55991	B3-15	S	ND	95
55992	B3-20	S	ND	95
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W		50 ug/L	
	S		1.0 mg/kg	

\* water samples are reported in ug/L, soil samples in mg/kg, and all TCLP and STLC extracts in mg/L

# cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel (?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~ 5 vol. % sediment.





## QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/03/95

Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.000	1.607	1.679	2.03	79	83	4.4
Benzene	0.000	0.166	0.160	0.2	83	80	3.7
Toluene	0.000	0.170	0.162	0.2	85	81	4.8
Ethylbenzene	0.000	0.170	0.160	0.2	85	80	6.1
Xylenes	0.000	0.544	0.508	0.6	91	85	6.8
TPH (diesel)	0	323	316	300	108	105	2.0
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

## QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/04/95

Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.000	2.006	1.977	2.03	99	97	1.5
Benzene	0.000	0.204	0.204	0.2	102	102	0.0
Toluene	0.000	0.204	0.206	0.2	102	103	1.0
Ethylbenzene	0.000	0.206	0.206	0.2	103	103	0.0
Xylenes	0.000	0.646	0.648	0.6	108	108	0.3
TPH (diesel)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

## QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/08/95-09/09/95

Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.000	1.777	1.696	2.03	88	84	4.7
Benzene	0.000	0.180	0.190	0.2	90	95	5.4
Toluene	0.000	0.184	0.196	0.2	92	98	6.3
Ethylbenzene	0.000	0.184	0.196	0.2	92	98	6.3
Xylenes	0.000	0.580	0.616	0.6	97	103	6.0
TPH (diesel)	0	301	301	300	100	100	0.3
TRPH (oil & grease)	0.0	18.2	18.7	20.8	88	90	2.7

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553  
 Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/01/95-09/02/95

Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.000	2.024	1.954	2.03	100	96	3.5
Benzene	0.000	0.190	0.182	0.2	95	91	4.3
Toluene	0.000	0.190	0.180	0.2	95	90	5.4
Ethylbenzene	0.000	0.190	0.180	0.2	95	90	5.4
Xylenes	0.000	0.600	0.580	0.6	100	97	3.4
TPH (diesel)	0	295	299	300	98	100	1.6
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553  
 Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/01/95-09/02/95

Matrix: Water

Analyte	Concentration (ug/L)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Toluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethyl Benzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Xylenes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH (diesel)	0	153	154	150	102	103	0.3
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

## QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/04/95

Matrix: Water

Analyte	Concentration (ug/L)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.0	113.7	112.8	100	114	113	0.8
Benzene	0	9	9.4	10	90.0	94.0	4.3
Toluene	0	9.2	9.5	10	92.0	95.0	3.2
Ethyl Benzene	0	9.3	9.7	10	93.0	97.0	4.2
Xylenes	0	30.4	31	30	101.3	103.3	2.0
TPH (diesel)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

## QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/08/95-09/09/95

Matrix: Water

Analyte	Concentration (ug/L)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.0	94.8	91.5	100	95	92	3.5
Benzene	0	10.9	10.2	10	109.0	102.0	6.6
Toluene	0	10.8	10.2	10	108.0	102.0	5.7
Ethyl Benzene	0	10.8	10.2	10	108.0	102.0	5.7
Xylenes	0	34.5	32.8	30	115.0	109.3	5.1
TPH (diesel)	0	166	163	150	111	108	2.0
TRPH (oil & grease)	0	23900	24100	23700	101	102	0.8

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

PROJECT NO.		PROJECT NAME		PARAMETERS										INDUSTRIAL HYGIENE SAMPLE	Y	
2241-014		4th / Madison Saints R. A.		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NO. OF CONTAINERS</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TYPH A/B/C/D</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">H<sub>2</sub>O</div> </div>										(N)		
SAMPLERS: (Signature)														(Printed)		
John C Bird				John Bird												
FIELD SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	STATION LOCATION											
B1-10	9/1/95	8:30		✓		1	✓	✓								55979
B1-15	9/1/95	8:40		✓		1	✓	✓								55980
B1-20	9/1/95	9:00		✓		1	✓	✓								55981
B1-25	9/1/95	9:15		✓		1	✓	✓								55982
B2-10	9/1/95	9:30		✓		1	✓	✓								55983
B2-15	9/1/95	9:40		✓		1	✓	✓								55984
B2-20	9/1/95	9:50		✓		1	✓	✓								55985
B2-25	9/1/95	10:05		✓		1	✓	✓								55986
B2-30	9/1/95	10:10		✓		1	✓	✓								55987
B2-35	9/1/95	10:20		✓		1	✓	✓								55988
B2-40	9/1/95	10:15		✓		1	✓	✓					X			55989

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Michael Harrison	9/1 4:25	Arnold Lucas			
(Printed)		(Printed)	(Printed)		(Printed)
		Arnold Lucas			

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks
A. Lucas	9/1 5:35	Angela Rydelius	9-1-95 17:35	ISBT <input checked="" type="checkbox"/> GOOD CONDITION <input checked="" type="checkbox"/> HEAD SPACE ABSENT <input checked="" type="checkbox"/> PRESERVATIVE APPROPRIATE CONTAINERS <input checked="" type="checkbox"/>
(Printed)		(Printed)		
A. LUCAS		Angela Rydelius		





