U.S.Department
of Transportation

United States
Coast Guard

Commanding Officer
U. S. Coast Guard
Civil Engineering Unit Oakland

2000 Embarcadero
Suite 200
Oakland, CA 94606-5337
(510) 535-7200

5090
14 July, 1995

Ms. Juliet Shin
Alameda County
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 93940

Dear Ms. Shin:

The enclosed Quarterly Monitoring Well Sampling and Analysis Report for the Exchange and Swimming Pool locations at U.S. Coast Guard Support Center Alameda is provided for your review. This submittal is the third of four sampling events requested in your letter of March 23, 1994.

Please contact Mr. Louis Rivero at (510) 535-7275 if you have any questions or require additional information.

Sincerely,

Dave Stalters
DAVE STALTERS
Chief, Environmental Division
U.S. Coast Guard
By direction of the Commanding Officer

Encl: (1) Quarterly Monitoring Well Sampling and Analysis Second Quarter 1995

Copy: Tim Madden, SUPRTCEN Alameda

QUARTERLY MONITORING WELL SAMPLING AND ANALYSIS SECOND QUARTER 1995

U.S. Coast Guard Support Center
Exchange Center Location
Coast Guard Island
Alameda, California

PSI Project No. 582-34006

JUNE 9, 1995

Professional Service Industries, Inc.

Professional Service Industries, Inc.

June 5, 1995

United States Coast Guard Support Center
Civil Engineering Unit
2000 Embarcadero, Suite 200
Oakland, CA 94606-5000

Attention: Mr. Louis Rivero

Subject: QUARTERLY MONITORING WELL SAMPLING & ANALYSIS SECOND QUARTER 1995

Project: Exchange Center Location
Coast Guard Island
Alameda, California 94606
Project # 582-34006

Dear Mr. Rivero:

Professional Service Industries, Inc. (PSI) is pleased to present the results of groundwater sampling for the second quarter of 1995. A description of the sampling and laboratory analysis for the six monitoring wells located at the Exchange Center Location (see Vicinity Map, Site Plan, and Monitoring Well Location Map) are contained herein.

This is the third of four quarterly sampling events, authorized by Ms. Evelyn E. Navarro, contracting officer with the U.S. Coast Guard, on August 31, 1994

Field activities were conducted on April 25, 1995. The purpose of this program is to collect information on groundwater elevations and to monitor hydrocarbon concentrations in the groundwater below the Site.

SAMPLING METHOD

Prior to purging and sampling the six monitoring wells, the ground water in each well was measured, and the elevation was then calculated. The monitoring wells were purged in order to establish a flow of groundwater into the wells and to remove any longstanding water. Well purging was accomplished by means of a bailer. Approximately 6 to 8 gallons of water (at least 3 casing volumes) were removed from each well prior to sampling. The purged groundwater from the wells was contained in six labeled 55-gallon drums and left on-site for future storage for additional sampling. After allowing the wells to recharge to a minimum of 80% of the original well volume, groundwater samples were collected.

Prior to sampling from the wells, the bailer was cleaned using trisodium phosphate solution and triple-rinsed with potable water. Water samples were drained from the bailer into certified clean, 40 ml vials, with care being taken to eliminate headspace. The vials were labeled and placed into cold storage and delivered to the PSI laboratory in Lawrence

Kansas (California certified) for analysis. Proper chain-of-custody procedures were observed. Chain-of-custody is included with the attached analytical results.

OBSERVATIONS

The ground water in wells MW-1, MW-2, MW-3, MW-5, and MW-6 appeared clear with no determinable odors. The groundwater from well MW-4 appeared cloudy but had no determinable odor. Note: see Appendix, Groundwater Elevation Data.

LABORATORY ANALYSES

The groundwater samples were submitted to the PSI laboratory in Lawrence, Kansas (California certified) and analyzed for Aromatic Volatile Organics by Environmental Protection Agency (EPA) method 8020 and Total Petroleum Hydrocarbons Modified for gasoline (TPH-g) and EPA method 8015 using gas chromatography with photoionization detection. The analytical results are summarized below. The complete laboratory report, including analytical results, and chain-of-custody is attached.

SUMMARY OF ANALYTICAL RESULTS
SECOND QUARTER 1995 GROUNDWATER MONITORING

Well Number	Date of Sample	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-g
MW-1	4/8/93	N.D.	N.D.	N.D.	N.D.	N.D.
MW-1	7/8/93	N.D.	N.D.	N.D.	N.D.	N.D.
MW-1	10/20/93	N.D.	N.D.	N.D.	N.D.	N.D.
MW-1	10/20/94	N.D.	N.D.	N.D.	N.D.	N.D.
MW-1	1/31/95	N.D.	N.D.	N.D.	N.D.	N.D. ✓
MW-1	4/25/95	N.D.	N.D.	N.D.	N.D.	N.D. ✓
MW-2	4/8/93	N.D.	N.D.	N.D.	N.D.	N.D.
MW-2	7/8/93	N.D.	N.D.	N.D.	N.D.	N.D.
MW-2	10/20/93	N.D.	N.D.	N.D.	N.D.	N.D.
MW-2	10/20/94	N.D.	N.D.	N.D.	N.D.	N.D.
MW-2	1/31/95	N.D.	N.D.	N.D.	N.D.	N.D. ✓
MW-2	4/25/95	N.D.	N.D.	N.D.	N.D.	N.D. ✓
MW-3	4/8/93	30	N.D.	N.D.	N.D.	6,000
MW-3	7/8/93	N.D.	N.D.	N.D.	N.D.	N.D.
MW-3	10/20/93	N.D.	N.D.	N.D.	N.D.	N.D.
MW-3	10/20/94	N.D.	N.D.	N.D.	N.D.	N.D.
MW-3	1/31/95	N.D.	N.D.	N.D.	N.D.	N.D. ✓
MW-3	4/25/95	N.D.	N.D.	N.D.	N.D.	N.D. ✓

Well Number	Date of Sample	Benzene	Toluene	Ethylbenzene	Xylenes	TPH-g
MW-4	4/8/93	N.D.	N.D.	N.D.	N.D.	N.D.
MW-4	7/8/93	8.8	N.D.	N.D.	N.D.	N.D.
MW-4	10/20/93	N.D.	N.D.	N.D.	N.D.	2,700
MW-4	10/20/94	N.D.	N.D.	N.D.	N.D.	N.D.
MW-4	1/31/95	N.D.	N.D.	N.D.	N.D.	N.D.
MW-4	4/25/95	N.D.	N.D.	N.D.	N.D.	N.D.
MW-5	4/8/93	14.0	0.63	N.D.	1.5	170
MW-5	7/8/93	3.7	0.46	N.D.	170	4,300
MW-5	10/20/93	N.D.	N.D.	N.D.	N.D.	N.D.
MW-5	10/20/94	N.D.	N.D.	N.D.	N.D.	N.D.
MW-5	1/31/95	N.D.	N.D.	N.D.	N.D.	N.D.
MW-5	4/25/95	N.D.	N.D.	N.D.	N.D.	N.D.
MW-6	4/8/93	7.4	1.2	20	20	720
MW-6	7/8/93	N.A.	N.D.	N.D.	N.D.	610
MW-6	10/20/93	N.D.	N.D.	N.D.	N.D.	660
MW-6	10/20/94	N.D.	N.D.	N.D.	N.D.	200
MW-6	1/31/95	N.D.	N.D.	N.D.	N.D.	N.D.
MW-6	4/25/95	N.D.	N.D.	N.D.	6.8	N.D.

Notes: All concentrations are in micrograms per liter, (ug/l) (parts per billion).
N.D.= Analytes reported as not detected above the analytical reporting limit.
The well referred to as MW-1 In the report dated December 16, 1993, is referred to as MW-6 in this report.

DISCUSSION OF RESULTS

Based on the analytical results for this sampling event, it appears that no concentrations of TPH-g or BTEX were detected in groundwater samples collected from MW-1, MW-2, MW-3, MW-4 and MW-5. This is consistent with the results observed in Quarter 1, 1995. In groundwater sampled from MW-6, petroleum hydrocarbons were not detected with the exception of ethylbenzene at a concentration of 6.8 ppb. In Quarter 1, 1995 no concentrations of ethylbenzene were detected in this well.

Groundwater has decreased in elevation in all of the monitoring wells compared to the last quarterly monitoring event. Groundwater was determined to flow in a westerly direction. This direction is consistent with that observed during the previous quarter although the gradient is steeper. Due to its close proximity to the San Francisco Bay, groundwater may be influenced by tidal action

The next quarterly groundwater sampling event for the site is scheduled for the month of July 1995

LIMITATIONS OF INVESTIGATION

Our investigation was performed using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing at this or similar localities. The samples collected and used for testing and observations are believed representative of Site conditions. No other warranty, expressed or implied, is made to conclusions and professional advice included in this report.

This report is issued with the understanding that it is the responsibility of the owner, or of his representative, to ensure that the information and recommendations contained herein are brought to the attention of the proper authorities and/or regulating agencies.

The findings of this report reflect the conditions of the Site during the time of the Site visit. However, changes in the conditions of a property can occur with the passage of time, whether they be due to natural processes or the works of man on this or adjacent properties.

In addition, changes in applicable or appropriate standards may occur from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review and should be updated as changes may occur.

The opportunity to be of service is appreciated. Should you have any questions regarding the content of this report, or we can be of further assistance, please do not hesitate to contact us.

Sincerely,

Professional Service Industries, Inc.

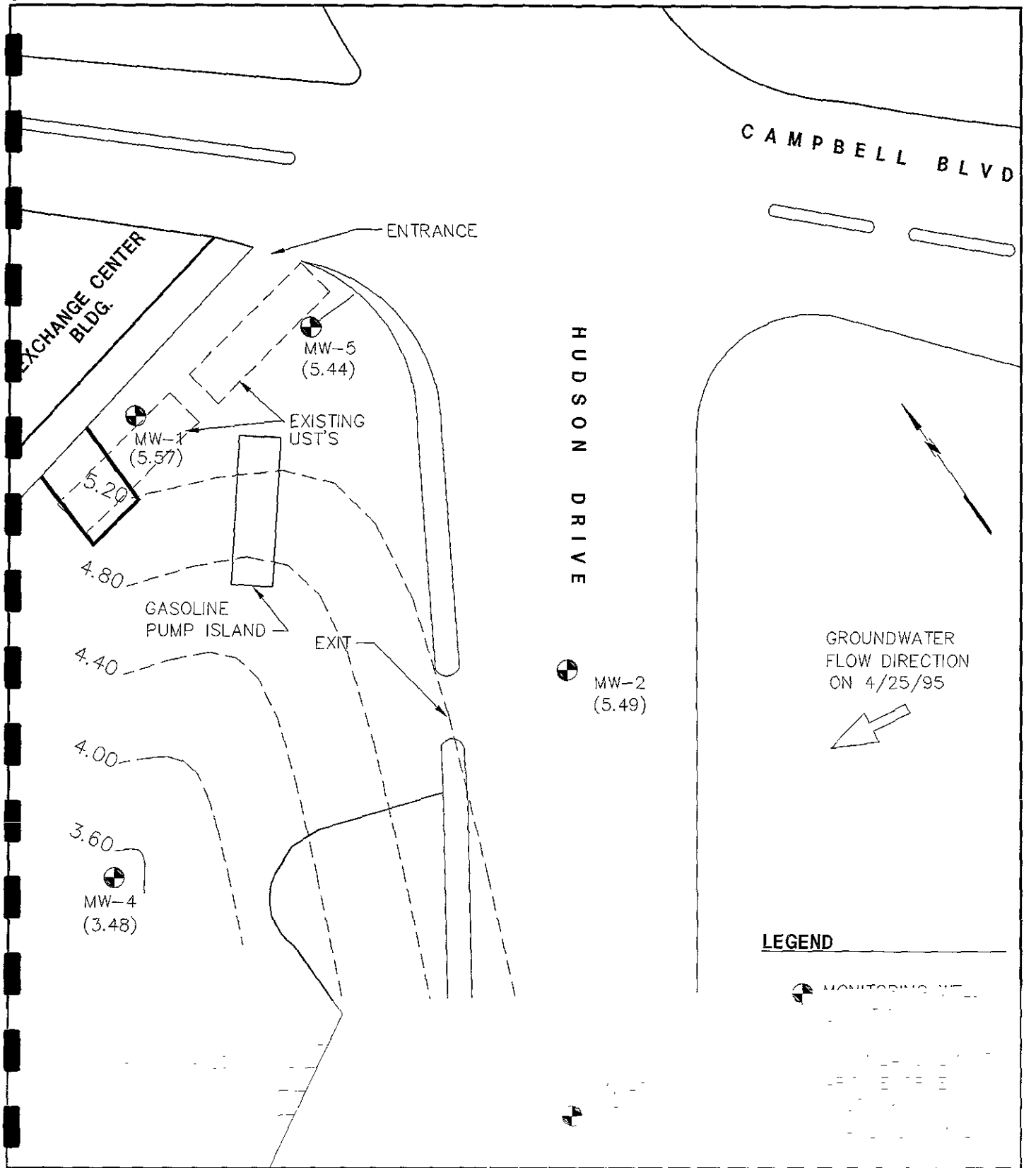
David Siegel
Staff Geologist

Glenn G. Hilton
Geologist RG #5318

DS/ds

APPENDICES

FIGURES

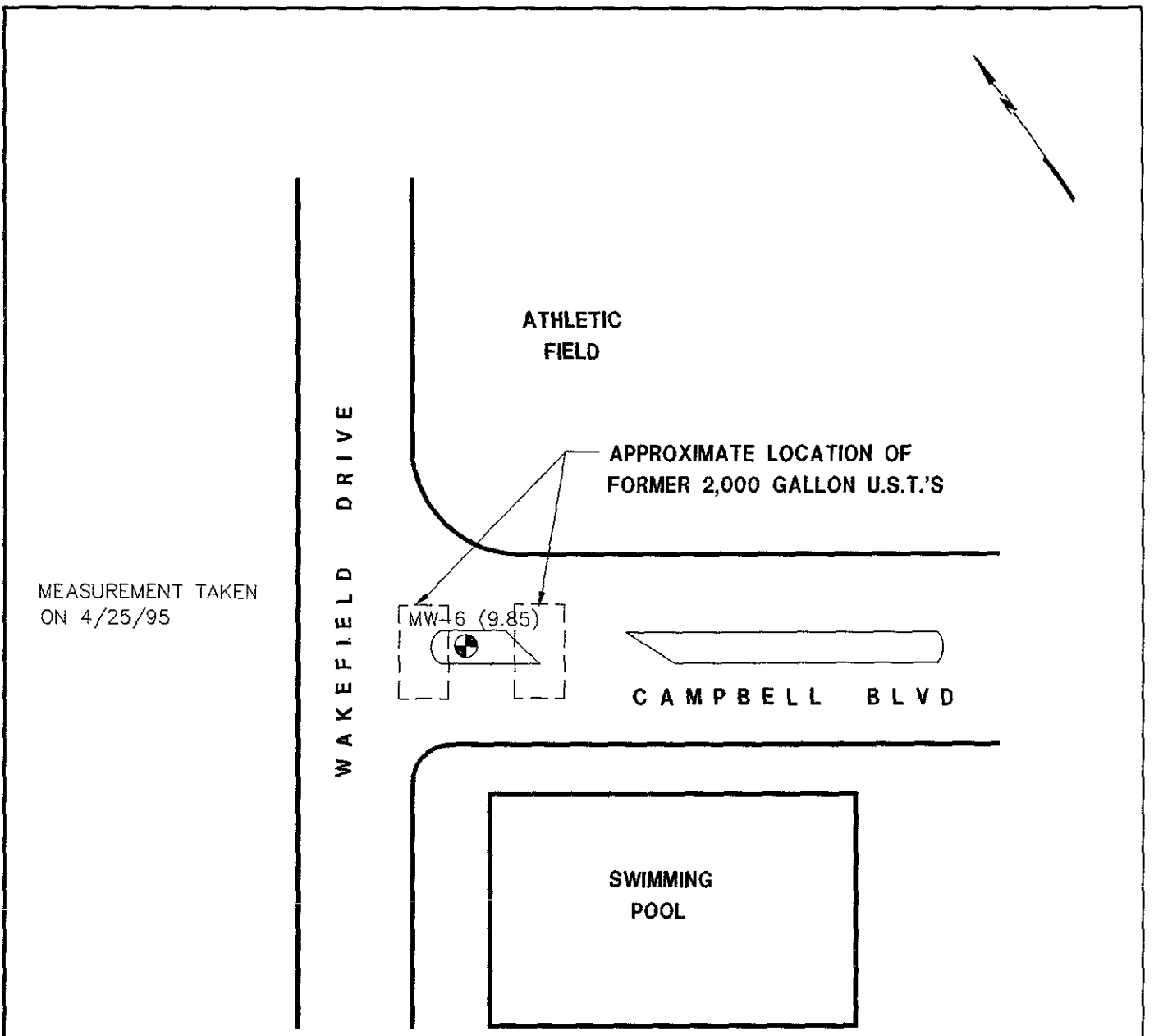


PROFESSIONAL SERVICE INDUSTRIES, INC.

PROJECT NAME
U.S. COAST GUARD
ALAMEDA, CA

TITLE
GROUNDWATER CONTOUR MAP

DATE	4/25/95
DWG NO.	34006-9J
PROJ NO	582-34006
DRAWN BY	NIMAN
APP'D BY	B JONES
SCALE.	NOT TO SCALE



PROFESSIONAL SERVICE INDUSTRIES, INC.

PROJECT NAME	U.S. COAST GUARD ALAMEDA, CA
TITLE	GROUNDWATER ELEVATION MAP
DATE	4/25/95
DWG NO..	34006-9
PROJ NO	582-34006
DRAWN BY·	N TOOR
APP'D BY·	B JONES
SCALE:	NOT TO SCALE

GROUNDWATER SAMPLING DATA

DAILY FIELD RECORD

DATE: 4/25/95

Project No: 582-34006

Project Name: Coast Guard Alameda

Location: Alameda, CA

Time on Job: 7:30 AM/PM to: 15:00 AM/PM

Weather Conditions: Clear

Activity: Quarterly Groundwater Sampling

PERSONNEL ON SITE

Name	Company	Time In	Time Out
Beverly Jones	PSI	8:00	15:00

VISITORS ON SITE

Name	Company/Agency	Time In	Time Out

PERSONAL SAFETY

X	Protective Gloves	X	Hard hat		Tyvek Coveralls (W/Y)
X	Protective Boots	X	Safety Goggles/Glasses	X	1/2 - Mask Respirator

Other Safety Equipment (describe):

Monitoring Equipment: Hy Pac combination pH/temperature/condition meter

Field Calibration: _____

WASTE STORAGE INVENTORY

Container Type	Container I.D.	Description of Contents and Quantity	Location
6-55 gallon	purge	water MW-1, MW-2, MW-3, MW-4, MW-5, MW-6	
drums		10/20/94, 1/31/95, 4/25/95	on site

Signature of Field Representative.

Date 4/25/95

Notes _____

PROFESSIONAL SERVICE INDUSTRIES, INC
3730 MT. DIABLO BLVD., SUITE 345
LAFAYETTE, CA 94549
(510) 284-3070

DAILY FIELD RECORD (continued)	DATE: 4/25/95	PAGE 2 of 2

TIME	DESCRIPTION OF DAILY ACTIVITIES & EVENTS
7:30	Arrive at site, set up equipment
8:30	Purge and sample MW-1
9:20	Purge and sample MW-2
10:05	Purge and sample MW-3
10:50	Purge and sample MW-4
11:35	Purge and sample MW-5
12:30	Purge and sample MW-6

COMMENTS & CHANGES FROM WORK PLAN

TIME	TELEPHONE CONVERSATION RECORD

Signature of Field Representative:

Date 4/25/95

PROFESSIONAL SERVICE INDUSTRIES, INC.
3730 MT. DIABLO BLVD , SUITE 345
LAFAYETTE, CA 94549
(510) 284-3070

GROUNDWATER SAMPLING DATA

Well No. MW-1
Project No. 582-34006

Time (24 Hr. Clock)	Volume Removed (gal)	Electrical Conductivity (umhos/cm)x100	Temperature (F)	pH	Turbidity
8:00	begin purging				
8:05	1.00	1.05	67.01		Clear
8:10	2.00	1.03	66.31		Clear
8:15	3.00	1.04	65.81		Clear
8:20	4.00	1.02	64.07		Clear
8:25	5.00	1.02	63.71		Clear
8:30	6.00	1.03	62.29		Clear
8:35	Collect Sample	1.04	61.01		Clear

Total Depth to Bottom	Depth to - Water =	Water Column (ft.)		Well Inside Diameter (in.) 2.00
18.2	8.15	10.05		
				Volume 2"=0.163 5"=1.02 10"=4.08
Volume Factor	x Water Column =	Well Casing Vol. (gal)		Factor 3"=0.367 6"=1.47 12"=4.08
0.163	10.05	1.64	4.92	V.F.=gal/ft. 4"=0.653 8"=2.61

Date (s) Purged	4/25/95	Well Dewatered Yes No X	
Purge Method	Bailer	Date Sampled	4/25/95
Total Volume Removed (gal)	6.00	Time Sampled	8:35
Casing Volumes Removed (gal)	3.17	Sample Method	Bailer
Purge Rate (GPM)	0.17	Weather Conditio	clear
		Purged / Sampled by Beverly Jones	
Depth to Water After Recovery (ft.) =		99% Recovered Prior to Sampling	

Notes

Professional Service Industries, Inc
WELL PURGING AND SAMPLING FIELD DATA
Monitoring Well MW-1

GROUNDWATER SAMPLING DATA

Well No. MW-2
Project No. 582-34006

Time (24 Hr. Clock)	Volume Removed (gal)	Electrical Conductivity (umhos/cm)x100	Temperature (F)	pH	Turbidity
8:45	begin purging				
8:50	1.00	1.06	68.10		Clear
8:55	2.00	1.07	70.20		Clear
9:00	3.00	1.1	68.50		Clear
9:05	4.00	1.15	67.40		Clear
9:10	5.00	1.2	68.10		Clear
9:15	6.00	1.16	69.10		Clear
9:20	Collect Sample	1.18	70.15		Clear

Total Depth to Bottom	Depth to - Water =	Water Column (ft.)		Well Inside Diameter (in.) 2.00
19.4	8.25	11.15		
				Volume 2"=0.163 5"=1.02 10"=4.08
Volume Factor	x Water Column =	Well Casing Vol. (gal)		Factor 3"=0.367 6"=1.47 12"=4.08
0.163	11.15	1.82	5.46	V.F.=gal/ft. 4"=0.653 8"=2.61

Date (s) Purged	4/25/95	Well Dewatered Yes No X	
Purge Method	Bailer	Date Sampled	4/25/95
Total Volume Removed (gal)	6.00	Time Sampled	9:20
Casing Volumes Removed (gal)	3.17	Sample Method	Bailer
Purge Rate (GPM)	0.17	Weather Conditio	clear
		Purged / Sampled by Beverly Jones	
Depth to Water After Recovery (ft.) =		99% Recovered Prior to Sampling	

Notes

Professional Service Industries, Inc
WELL PURGING AND SAMPLING FIELD DATA
Monitoring Well MW-2

GROUNDWATER SAMPLING DATA

Well No. MW-3
Project No. 582-34006

Time (24 Hr. Clock)	Volume Removed (gal)	Electrical Conductivity (umhos/cm)x100	Temperature (F)	pH	Turbidity
9:30	begin purging				
9:35	1.00	1.05	65.22		Clear
9:40	2.00	1.07	66.10		Clear
9:45	3.00	1.08	64.52		Clear
9:50	4.00	1.07	67.08		Clear
9:55	5.00	1.08	68.11		Clear
10:00	6.00	1.09	67.01		Clear
10:05	Collect Sample	1.09	66.11		Clear

Total Depth to Bottom	Depth to - Water =	Water Column (ft.)		Well Inside Diameter (in.) 2.00
19.5	8.16	11.34		
				Volume 2"=0.163 5"=1.02 10"=4.08
Volume Factor	x Water Column =	Well Casing Vol. (gal)		Factor 3"=0.367 6"=1.47 12"=4.08
0.163	11.34	1.85	5.55	V.F.=gal/ft. 4"=0.653 8"=2.61

Date (s) Purged	4/25/95	Well Dewatered Yes No X	
Purge Method	Bailer	Date Sampled	4/25/95
Total Volume Removed (gal)	6.00	Time Sampled	10:05
Casing Volumes Removed (gal)	3.17	Sample Method	Bailer
Purge Rate (GPM)	0.17	Weather Conditio	clear
		Purged / Sampled by Beverly Jones	
Depth to Water After Recovery (ft.) =		99% Recovered Prior to Sampling	

Notes

Professional Service Industries, Inc
WELL PURGING AND SAMPLING FIELD DATA
Monitoring Well MW-3

GROUNDWATER SAMPLING DATA

Well No. MW-4
Project No. 582-34006

Time (24 Hr. Clock)	Volume Removed (gal)	Electrical Conductivity (umhos/cm)x100	Temperature (F)	pH	Turbidity
10:15	begin purging				
10:20	1.00	1.19	71.20		Clear
10:25	2.00	1.22	70.10		Clear
10:30	3.00	1.18	73.40		Clear
10:35	4.00	1.17	74.50		Clear
10:40	5.00	1.18	75.40		Clear
10:45	6.00	1.16	73.30		Clear
10:50	Collect Sample	1.17	74.50		Clear

Total Depth to Bottom	Depth to - Water =	Water Column (ft.)		Well Inside Diameter (in.) 2.00
19.49	7.90	11.59		
				Volume 2"=0.163 5"=1.02 10"=4.08
Volume Factor	x Water Column =	Well Casing Vol. (gal)		Factor 3"=0.367 6"=1.47 12"=4.08
0.163	11.59	1.89	5.67	V.F.=gal/ft. 4"=0.653 8"=2.61

Date (s) Purged	4/25/95	Well Dewatered Yes No X	
Purge Method	Bailer	Date Sampled	4/25/95
Total Volume Removed (gal)	6.00	Time Sampled	10:50
Casing Volumes Removed (gal)	3.17	Sample Method	Bailer
Purge Rate (GPM)	0.17	Weather Conditio	clear
		Purged / Sampled by Beverly Jones	
Depth to Water After Recovery (ft.) =		99% Recovered Prior to Sampling	

Notes

Professional Service Industries, Inc
WELL PURGING AND SAMPLING FIELD DATA
Monitoring Well MW-4

GROUNDWATER SAMPLING DATA

Well No. MW-5
Project No. 582-34006

Time (24 Hr. Clock)	Volume Removed (gal)	Electrical Conductivity (umhos/cm)x100	Temperature (F)	pH	Turbidity
11:00	begin purging				
11:05	1.00	1.24	72.11		Clear
11:10	2.00	1.25	71.30		Clear
11:15	3.00	1.21	72.10		Clear
11:20	4.00	1.27	71.15		Clear
11:25	5.00	1.28	72.10		Clear
11:30	6.00	1.29	71.15		Clear
11:35	Collect Sample	1.30	72.10		Clear

Total Depth to Bottom	Depth to - Water =	Water Column (ft.)		Well Inside Diameter (in.) 2.00
11.82	8.54	3.78		
				Volume 2"=0.163 5"=1.02 10"=4.08
Volume Factor	x Water Column =	Well Casing Vol. (gal)		Factor 3"=0.367 6"=1.47 12"=4.08
0.367	3.28	1.38	2.76	V.F.=gal/ft. 4"=0.653 8"=2.61

Date (s) Purged	4/25/95	Well Dewatered Yes No X	
Purge Method	Bailer	Date Sampled	4/25/95
Total Volume Removed (gal)	6.00	Time Sampled	11:35
Casing Volumes Removed (gal)		Sample Method	Bailer
Purge Rate (GPM)	0.17	Weather Conditio	clear
		Purged / Sampled by Beverly Jones	
Depth to Water After Recovery (ft.) =		99% Recovered Prior to Sampling	

Notes

Professional Service Industries, Inc
WELL PURGING AND SAMPLING FIELD DATA
Monitoring Well MW-5

GROUNDWATER SAMPLING DATA

Well No. MW-6
Project No. 582-34006

Time (24 Hr. Clock)	Volume Removed (gal)	Electrical Conductivity (umhos/cm)x100	Temperature (F)	pH	Turbidity
11:45	begin purging				
11:50	1.00	1.06	69.10		Clear
11:55	2.00	1.07	68.25		Clear
12:00	3.00	1.10	67.12		Clear
12:05	4.00	1.09	68.15		Clear
12:10	5.00	1.10	69.07		Clear
12:15	6.00	1.08	70.10		Clear
12:20	7.00	1.10	69.18		Clear
12:25	8.00	1.09	70.01		
12:30	Collect Sample	1.09	70.20		

Total Depth to Bottom	Depth to - Water =	Water Column (ft.)		Well Inside Diameter (in.) 2.00
19.31	4.45	14.86		
				Volume 2"=0.163 5"=1.02 10"=4.08
Volume Factor	x Water Column =	Well Casing Vol. (gal)		Factor 3"=0.367 6"=1.47 12"=4.08
0.163	14.86	2.42	7.26	V.F.=gal/ft. 4"=0.653 8"=2.61

Date (s) Purged	4/25/95	Well Dewatered Yes No X	
Purge Method	Bailer	Date Sampled	4/25/95
Total Volume Removed (gal)	8.00	Time Sampled	12:30
Casing Volumes Removed (gal)		Sample Method	Bailer
Purge Rate (GPM)	0.18	Weather Conditio	clear
		Purged / Sampled by Beverly Jones	
Depth to Water After Recovery (ft.) =		99% Recovered Prior to Sampling	

Notes

Professional Service Industries, Inc
WELL PURGING AND SAMPLING FIELD DATA
Monitoring Well MW-6

LABORATORY RESULTS AND

CHAIN OF CUSTODY RECORD

Professional Service Industries, Inc.

Lawrence Analytical Division

ANALYTICAL REPORT

TESTED FOR: Professional Service Industries, Inc.
3730 Mt. Diablo Blvd. # 345
Lafayette, CA 94549

PROJECT: Coast Guard Alameda
PROJECT NUMBER: 582
PAGE: 1

ATTENTION: Beverly Jones

DATE: May 9, 1995

OUR REPORT NUMBER: 582-39673

Attached, please find our analytical report for samples described on the Chain-of-Custody Record. Please reference our report number and direct any questions regarding this report to the individual designated below or to one of our Customer Service Representatives.

Respectfully Submitted,
Professional Service Industries, Inc.

Lawrence Chemistry
Department Manager

5/9/95
Date

PROFESSIONAL SERVICE INDUSTRIES, INC.
4820 West 15th St., Lawrence, KS 66049

Batch #: 39673
Matrix: Water

Analyte	Results	Units	Method	Analysis Date	Analyst	MDL
Client Sample #: 2 CG-Alameda -1						
Our Sample #: 864620						
BTEX						
Benzene	<1.0	ug/L	602	5-03-95	MV	1.0
Toluene	<1.0	ug/L	602	5-03-95	MV	1.0
Ethylbenzene	<1.0	ug/L	602	5-03-95	MV	1.0
Xylenes	<1.0	ug/L	602	5-03-95	MV	1.0
Surrogate Recovery = 85%						
TPH - PURGEABLE						
Gasoline Range	<0.20	mg/kg	5030/8015	5-03-95	MV	0.20
Surrogate Recovery = 95%						
Client Sample #: 2 CG-Alameda -2						
Our Sample #: 864621						
BTEX						
Benzene	<1.0	ug/L	602	5-03-95	MV	1.0
Toluene	<1.0	ug/L	602	5-03-95	MV	1.0
Ethylbenzene	<1.0	ug/L	602	5-03-95	MV	1.0
Xylenes	<1.0	ug/L	602	5-03-95	MV	1.0
Surrogate Recovery = 79%						
TPH - PURGEABLE						
Gasoline Range	<0.20	mg/kg	5030/8015	5-03-95	MV	0.20
Surrogate Recovery = 98%						
Client Sample #: 2 CG-Alameda -3						
Our Sample #: 864622						
BTEX						
Benzene	<1.0	ug/L	602	5-03-95	MV	1.0
Toluene	<1 0	ug/L	602	5-03-95	MV	1.0
Ethylbenzene	<1.0	ug/L	602	5-03-95	MV	1.0
Xylenes	<1.0	ug/L	602	5-03-95	MV	1.0
Surrogate Recovery = 88%						
TPH - PURGEABLE						
Gasoline Range	<0.20	mg/kg	5030/8015	5-03-95	MV	0 20
Surrogate Recovery = 97%						

PROFESSIONAL SERVICE INDUSTRIES, INC.
4820 West 15th St., Lawrence, KS 66049

Batch #: 39673
Matrix: Water

Analyte	Results	Units	Method	Analysis Date	Analyst	MDL
Client Sample #: 2 CG-Alameda -4						
Our Sample #: 864623						
BTEX						
Benzene	<1.0	ug/L	602	5-03-95	MV	1.0
Toluene	<1.0	ug/L	602	5-03-95	MV	1.0
Ethylbenzene	<1.0	ug/L	602	5-03-95	MV	1.0
Xylenes	<1.0	ug/L	602	5-03-95	MV	1.0
Surrogate Recovery = 82%						
TPH - PURGEABLE						
Gasoline Range	<0.20	mg/kg	5030/8015	5-03-95	MV	0.20
Surrogate Recovery = 94%						
Client Sample #: 2 CG-Alameda -5						
Our Sample #: 864624						
BTEX						
Benzene	<1.0	ug/L	602	5-03-95	MV	1.0
Toluene	<1.0	ug/L	602	5-03-95	MV	1.0
Ethylbenzene	<1.0	ug/L	602	5-03-95	MV	1.0
Xylenes	<1.0	ug/L	602	5-03-95	MV	1.0
Surrogate Recovery = 79%						
TPH - PURGEABLE						
Gasoline Range	<0.20	mg/kg	5030/8015	5-03-95	MV	0.20
Surrogate Recovery = 88%						
Client Sample #: 2 CG-Alameda -6						
Our Sample #: 864625						
BTEX						
Benzene	<1.0	ug/L	602	5-03-95	MV	1.0
Toluene	<1.0	ug/L	602	5-03-95	MV	1.0
Ethylbenzene	6.8	ug/L	602	5-03-95	MV	1.0
Xylenes	<1.0	ug/L	602	5-03-95	MV	1.0
Surrogate Recovery = 67%						
TPH - PURGEABLE						
Gasoline Range	<0 20	mg/kg	5030/8015	5-03-95	MV	0.20
Surrogate Recovery = 72%						

QUALITY CONTROL DATA

PROFESSIONAL SERVICE INDUSTRIES, INC.
4820 West 15th St., Lawrence, KS 66049

PROJECT: Coast Guard Alameda
PROJECT NUMBER: 582

Batch #: 39673
Matrix: Water

Analyte	Results	Units	Method	Analysis Date	Analyst	MDL
Method Blank						
848461						
BTEX						
Benzene	<1.0	ug/L	602	5-03-95	JM	1.0
Toluene	<1.0	ug/L	602	5-03-95	JM	1.0
Ethylbenzene	<1.0	ug/L	602	5-03-95	JM	1.0
Xylenes	<1.0	ug/L	602	5-03-95	JM	1.0
Surrogate Recovery = 107%						

CLIENT# (LAB#)	ANALYTE	PERCENT RECOVERY
LCS	Benzene	100
848462	Toluene	88
	Ethylbenzene	86
	Xylenes	86
	Surrogate Recovery = 91%	
Matrix	Benzene	94
Spike	Toluene	83
864653	Ethylbenzene	81
	Xylenes	82
	Surrogate Recovery = 88%	
Matrix	Benzene	93
Spike	Toluene	82
Duplicate	Ethylbenzene	80
864653	Xylenes	81
	Surrogate Recovery = 88%	

PROFESSIONAL SERVICE INDUSTRIES, INC.
4820 West 15th St., Lawrence, KS 66049

PROJECT: Coast Guard Alameda
PROJECT NUMBER: 582

Batch #: 39673
Matrix: Water

Analyte	Results	Units	Method	Analysis Date	Analyst	MDL
Method Blank 848461						
TPH - PURGEABLE						
Gasoline Range	<0.10	mg/L	5030/8015	5-03-95	MV	0.10
Surrogate Recovery = 107%						

CLIENT# (LAB#)	ANALYTE	PERCENT RECOVERY
LCS 848462	TPH - PURGEABLE Gasoline Range Surrogate Recovery = 107%	103
Matrix Spike 864853	TPH - PURGEABLE Gasoline Range Surrogate Recovery = 96%	95
Matrix Spike Duplicate 864853	TPH - PURGEABLE Gasoline Range Surrogate Recovery = 105%	95

CHAIN OF CUSTODY RECORD

PSI Professional Service Industries, Inc.

PROJECT NAME: Coast Guard Alameda	REPORT TO: PSI	INVOICE TO: SAME
PROJECT NUMBER:	PROJECT MANAGER: Beverly Jones Sub-Con	ADDRESS:
P.O. NUMBER:	ADDRESS: 3730 Mt Diablo Blvd	CITY / STATE / ZIP:
REQUIRED DUE DATE:	CITY / STATE / ZIP: Lafayette, CA 94549	ATTENTION:
SAMPLES TO LAB VIA: Normal	TELEPHONE: FAX:	TELEPHONE:
NUMBER OF COOLERS: 1 Fed X 423517373412	REPORT VIA: VERBAL FAX / U.S. MAIL/OVERNIGHT	

LABORATORY SUBMITTED TO:

- ☐ 6913 Hwy. 225, Deer Park, TX 77536, (713) 479-8307
- ☒ ~~4820~~ W. 15th Street, Lawrence, KS 66049, (800) 548-7901
- ☐ 6056 Ulmerton Road, Clearwater, FL 34620, (813) 531-1446
- ☐ 850 Poplar Street, Pittsburgh, PA 15220, (412) 922-4000

TRANSFER NUMBER	RELINQUISHED BY DATE / TIME	ACCEPTED BY DATE / TIME	SEAL NUMBER
		Chris Korb 4/26/95 10:85	

LABORATORY USE ONLY

FIELD SERVICES Y/N $

SHIPPING Y/N $

LABORATORY USE ONLY

ANALYTICAL DUE DATE 5-5-95

REPORT DUE DATE 5-9-95

INORGANIC Sect ____ Row 5 ORGANIC Sect ____ Row ____

PSI PROJECT NAME PSI-Lafayette

PSI PROJECT # 982

PSI BATCH # 39673

SAMPLE CUSTODIAN: Chris Korb

DATE / TIME: 4-26-95 10:36

SAMPLE IDENTIFICATION	DATE / TIME	COMP-C GRAB-G	SOIL-S WATER-W WASTE-X	LAB USE ONLY LAB NUMBER	NUMBER OF CONTAINERS	PARAMETER LIST: TPH-G 8015	PARAMETER LIST: BTEX-8020
2 CG-Alameda 1	8:35	G	W	84620	2	X	X
2 CG-Alameda 2	9:20	G	W	621	1	X	X
2 CG-Alameda 3	10:05	G	W	622	1	X	X
2 CG-Alameda-4	10:50	G	W	623	1	X	X
2 CG-Alameda-5	11:35	G	W	624	1	X	X
2 CG-Alameda 6	12:30	G	W	625	1	X	X

ADDITIONAL REMARKS: Date of Samples 04-25-95

SAMPLER'S SIGNATURE

PSI A 600 10 (1)

5/5

GROUNDWATER ELEVATION DATA

GROUNDWATER ELEVATION DATA

Well Number	Measuring Point Elevations	Date of Measurement	Depth to Water (feet)	Water Level Elevations
MW-1	13.72	4/5/93	7.95	5.77
MW-1		7/8/93	8.20	5.52
MW-1		10/20/93	8.60	5.12
MW-1		10/20/94	8.02	5.70
MW-1		1/31/95	6.62	7.10
MW-1		4/25/95	8.15	5.57
MW-2	13.74	4/5/93	8.00	5.74
MW-2		7/8/93	8.20	5.54
MW-2		10/20/93	8.65	5.09
MW-2		10/20/94	7.86	5.88
MW-2		1/31/95	6.49	7.25
MW-2		4/25/95	8.25	5.49
MW-3	13.50	4/8/93	8.00	5.74
MW-3		7/8/93	8.10	5.40
MW-3		10/20/93	8.50	5.00
MW-3		10/20/94	7.74	5.76
MW-3		1/31/95	6.58	6.92
MW-3		4/25/95	8.16	5.34
MW-4	13.38	4/8/93	8.20	5.43
MW-4		7/8/93	8.00	5.38
MW-4		10/20/93	8.35	5.03
MW-4		10/20/94	7.69	5.69
MW-4		1/31/95	6.46	6.92
MW-4		4/25/95	9.90	3.48
MW-5	13.98	4/8/93	8.00	5.98
MW-5		7/8/93	8.55	5.43
MW-5		10/20/93	8.85	5.13
MW-5		10/20/94	8.25	5.73
MW-5		1/31/95	6.86	7.12
MW-5		4/25/95	8.54	5.44
MW-6	14.30	4/8/93	4.50	9.85
MW-6		7/8/93	4.90	9.40
MW-6		10/20/93	5.95	8.35
MW-6		10/20/94	3 41	10.89
MW-6		1/31/95	2.46	11.84
MW-6		4/25/95	4 45	9.85

1 Elevations in feet above Mean Sea Level.