

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

October 05, 1999

Mr. Wayne Milani
Pacific Shops, Inc.
1851 Clement Avenue
Alameda, CA 94501

STID: 3830

Re: Pacific Shops, Inc., 1851 Clement Avenue, Alameda, CA 94501

Dear Mr. Milani,

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]) of the California Health and Safety Code. The State Water Resources Control Board (SWRCB) has required since March 1, 1997 that this agency use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at this site.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Up to 2.7 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPHg) and 0.026ppm benzene are contained within the soil around the former UST; and
- Up to 160 parts per billion (ppb) TPH as diesel (TPHd) was detected in the groundwater sample collected from the UST pit prior to backfilling.

If you have any questions, please contact the undersigned at (510) 567-6763.

Sincerely,

Juliet Shin, R.G.
Hazardous Materials Specialist

Enclosures:

1. Case Closure Letter
2. Case Closure Summary

Cc: Ariu Levi, Chief

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES

1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

September 22, 1999
StID # 3830

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Wayne Milani
Pacific Shops, Inc.
1851 Clement Avenue
Alameda, CA 94501

**RE: Pacific Shops, Inc., 1851 Clement Avenue,
Alameda, California 94501**

Dear Mr. Milani:

This letter confirms the completion of site investigations and remedial action for the former 1,000-gallon diesel and 1,000-gallon gasoline fuel underground tanks removed from the above described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground tanks is greatly appreciated.

Based upon the available information and with provisions that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank releases is required.

This notice is issued pursuant to a regulation contained in Title 23, Division 3, Chapter 16, Section 2721 (e) of the California Code of Regulations.

Please contact Juliet Shin at (510) 567-6763 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director, Environmental Health

c: J. Shin, Hazardous Materials Division-files
Chuck Headlee, RWQCB
Mr. Dave Deaner, SWRCB Cleanup Fund

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: August 13, 1999

Agency name: **Alameda County-HazMat**
City/State/Zip: **Alameda, CA 94502**
Responsible staff person: **Juliet Shin**

Address: **1131 Harbor Bay Pkwy**
Phone: **(510) 567-6700**
Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Pacific Shops, Inc.**
Site facility address: **1851 Clement Avenue, Alameda, CA 94501**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **3830**
URF filing date: **07/28/99** SWEEPS No: **N/A**

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Pacific Shops, Inc. Contact: Wayne A. Milani	1851 Clement Ave. Alameda, CA 94501	(510) 521-1133

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	1,000	diesel	removed	7/12/99
2	1,000	gasoline	removed	7/12/99

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**
 Site characterization complete? **YES**
 Date approved by oversight agency: **08/13/99**
 Monitoring Wells installed? **None** Number: **Not Applicable**
 Proper screened interval? **Not Applicable**
 Highest GW depth below ground surface: **The site is immediately adjacent to the harbor, and the depth-to-groundwater fluctuates directly with the tidal fluctuations.**
 Flow direction: **Unknown**
 Most sensitive current use: **Alameda Harbor**
 Are drinking water wells affected? **No** Aquifer name: **Not Applicable**
 Is surface water affected? **No** Nearest affected SW name: **Not Applicable**
 Off-site beneficial use impacts (addresses/locations):
 Report(s) on file? **YES** Where is report(s) filed? **Alameda County**
1131 Harbor Bay Pkwy
Alameda, CA 94502

99 SEP 10 10 53 AM '99
EMERGENCY RESPONSE
ALAMEDA COUNTY

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tanks	one 1,000-gallon diesel one 1,000-gallon gas	Hauled off to: Ecology Control Industries 255 Parr Blvd., Richmond, CA (Manifest#: 99143274)	07/14/99
Waste Flammable Liquid (gas, diesel, & water)	10 pounds	Hauled off to: Demunno/Kerdoon 2000 N. Alameda St., Compton, CA (Manifest#: 99143278)	07/22/99
Non-RCRA Hazardous Waste Liquid (rinsate)	400 pounds	Hauled off to: Demunno/Kerdoon 2000 N. Alameda St., Compton, CA (Manifest#: 99143278)	07/22/99
Non-RCRA Hazardous Waste Solid (oily debris)	250 pounds	Hauled off to: D/K Environmental 3650 E. 26 th St., Los Angeles, CA (Manifest#: 99143279)	07/22/99
Non-Hazardous Soil	45 yards	Hauled off to: Redwood Landfill, CA	07/29/99

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before ¹	After	Before ²	After ³
TPH (Gas)	2.7	2.7	100	ND
TPH (Diesel)	ND	ND	8,400	160
Benzene	0.026	0.026	3.2	ND
Toluene	0.93	0.93	13	2.9
Ethylbenzene	0.088	0.088	2.1	0.80
Xylenes	0.99	0.99	14	5.4
MTBE	0.012	0.012	27	ND
Lead	ND	ND	390	

NA = Not Analyzed

1-Sample GS-2, collected from the north wall of the former tank pit at 8-feet below ground surface(bgs) on July 15,1999.

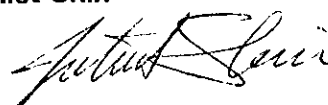
2-Initial groundwater sample, GW-1, collected from the center of the tank pit at 8-feet bgs on July 15, 1999.

3-Grab groundwater sample collected from tank excavation on July 23, 1999.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **YES**
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **YES**
Does corrective action protect public health for current land use? **YES**
Site management requirements: **None**
Should corrective action be reviewed if land use changes? **NO**
Monitoring wells Decommissioned: **Not Applicable**
List enforcement actions taken: **None**

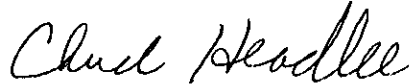
V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Juliet Shin** Title: **Haz Mat Specialist**
Signature:  Date: **09/02/99**
Reviewed by

Name: **Eva Chu** Title: **Haz Mat Specialist**
Signature:  Date: **8/23/99**

Name: **Thomas Peacock** Title: **Supervisor**
Signature:  Date: **8-31-99**

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response:
RWQCB Staff Name: **Chuck Headlee** Title: **AEG**
Signature:  Date: **9/15/99**

VII. ADDITIONAL COMMENTS, DATA, ETC.

The site is located at the Alameda Marina, which includes docks and repair facilities for small boats. One 1,000-gallon gasoline underground storage tank (UST) and one 1,000-gallon diesel UST were installed at the site in 1986. These USTs were located immediately alongside the water in the marina, and were used for refueling boats (refer to Figure 1).

On July 14, 1999, these two USTs were removed and hauled off site for disposal at a certified facility. Both tanks were made of steel with a fiberglass coating. According to the Alameda County Inspection Report, both tanks had overspill containers, and were in "excellent condition", with the risers wrapped with tape. No holes were noted in these tanks.

The two USTs were located side-by-side in the same tank pit (refer to Figure 2). After the USTs were removed, one soil sample, GS-1, was collected from the south sidewall of the tank pit at 7.5-feet below ground surface (bgs), and another soil sample, GS-2, was collected from the north sidewall at 8-feet bgs. Additionally, one groundwater sample, GW-1, was collected from the center of the tank pit at roughly 8-feet bgs. Both the soil and groundwater samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), TPH as diesel (TPHd), lead, and benzene, toluene, ethylbenzene, and total xylenes (BTEX).

Analysis of soil sample GS-1 did not identify any contaminants above detection limits. However, analysis of soil sample GS-2 identified 2.7 parts per million (ppm) TPHg, 0.026ppm benzene, 0.93ppm toluene, 0.088ppm ethylbenzene, and 0.99ppm total xylenes. No TPHd or lead was identified in this sample (refer to attached lab analyticals). Per Board Order No. 95-136, the TPHg concentration exceeded the Saltwater Ecological Protection Zone (SEPZ) threshold value of 0.15ppm. This value is based on the resulting response of mysid growth and survival to soil elutriate tests (refer to attached copies of the current SEPZ threshold values).

Analysis of groundwater sample GW-1 identified 8,400 parts per billion (ppb) TPHd, 390ppb lead, 100 ppb TPHg, 3.2ppb benzene, 13ppb toluene, 2.1ppb ethylbenzene, and 14ppb total xylenes. The concentration of TPHd was above the current groundwater SEPZ threshold value of 640ppb. Additionally, the lead concentration exceeded the California drinking water standard Maximum Contaminant Level (MCL) of 50ppb.

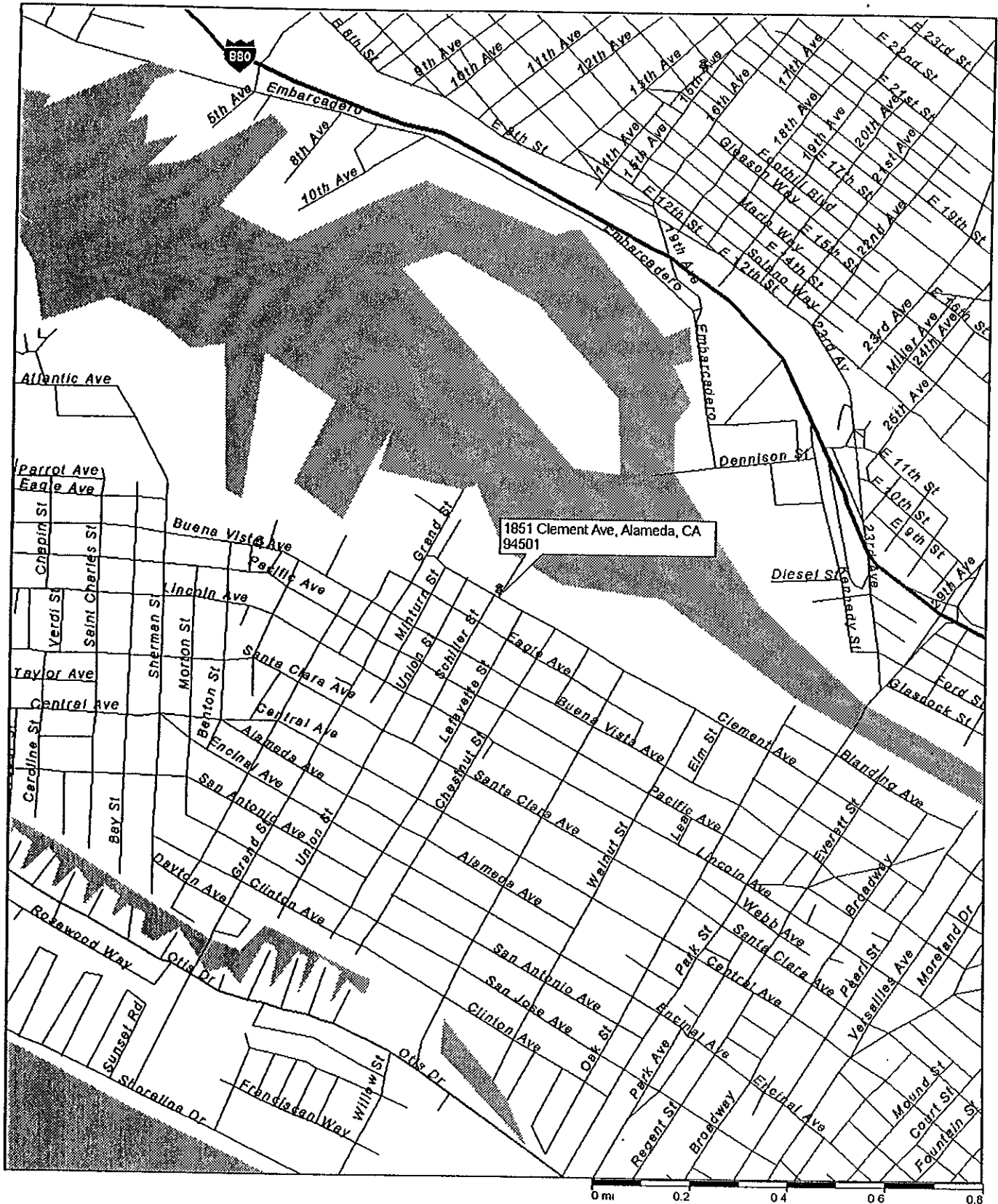
One additional groundwater sample, GWB2, was collected from the tank pit on July 23, 1999 during high tide to confirm the TPHd concentrations identified in the initial groundwater sample, and to confirm that the residual soil concentrations of TPHg, BTEX, and MTBE were not leaching into groundwater at levels exceeding the SEPZ values. Additionally, one water sample, BWA1, was collected from the marina to try and get a sense for whether the source of some of the groundwater contamination was resulting from the marina. Analysis of sample GWB2 identified 160ppb TPHd, 2.9ppb toluene, 0.8ppb ethylbenzene, and 5.4ppb total xylenes. None of these concentrations exceeded the SEPZ values. No contaminants were identified in BWA1 (refer to attached lab analyticals and Figure 3).

All excavated soil was hauled off site to Redwood Landfill, California.

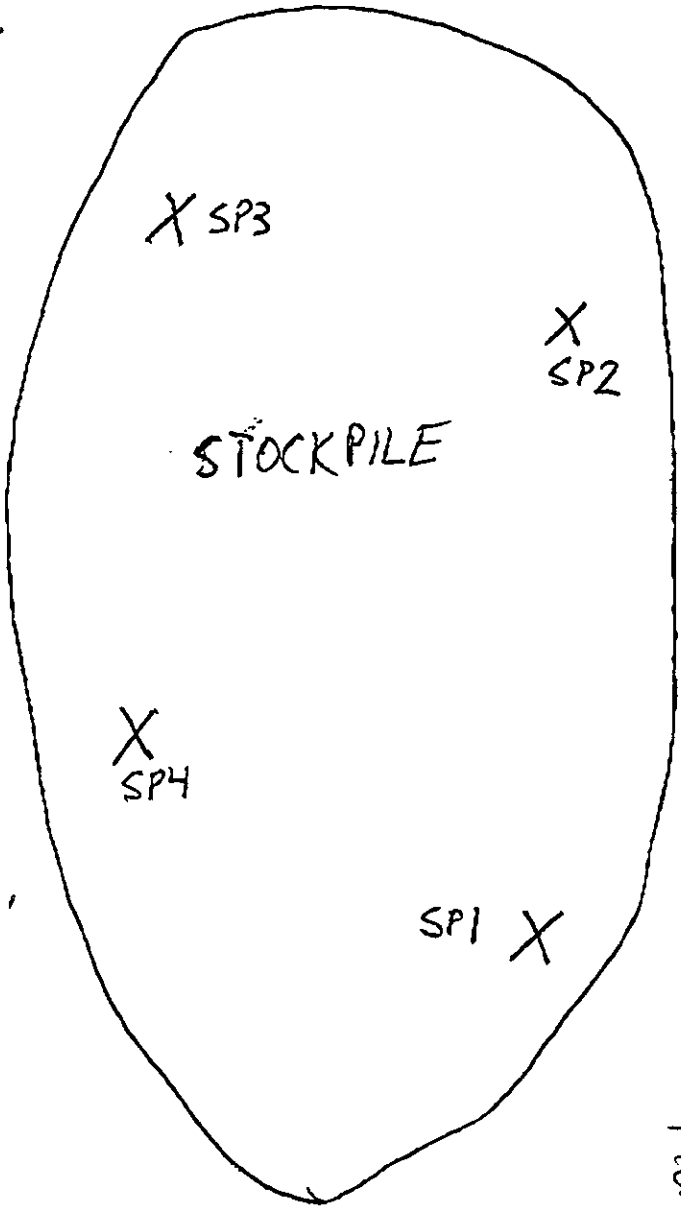
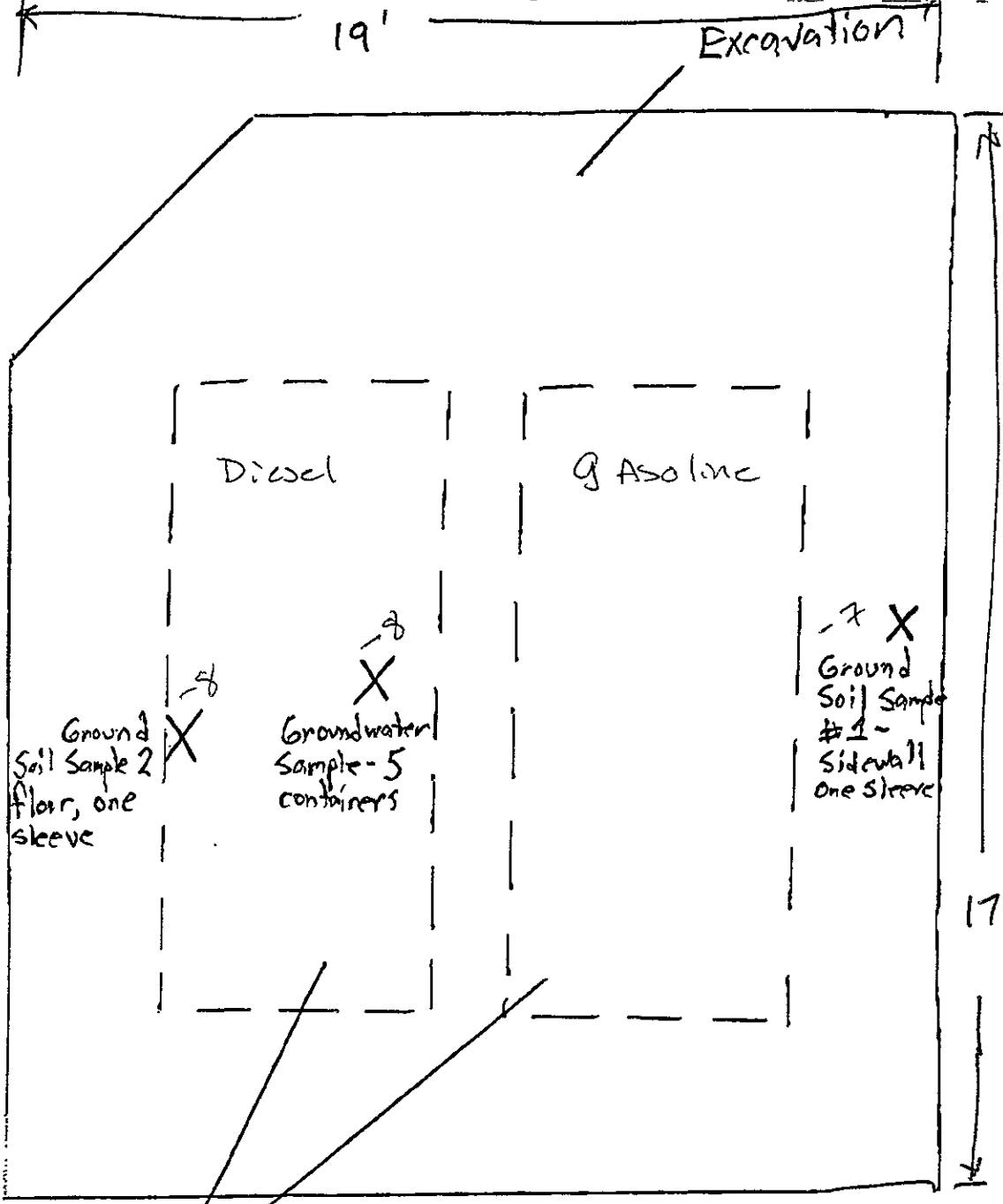
As outlined above, the primary concerns at the site are the initial TPHg concentration in soil and the initial TPHd and lead concentrations in groundwater, which exceeded the SEPZ and MCL threshold values. This office feels that these contaminant concentrations are not a significant concern and that the site can be closed for the following reasons:

- The two USTs were in very good condition, with no signs of rusting, corrosion, or holes.
- Concentrations of BTEX in soil and groundwater were below the SEPZ threshold values, and benzene concentrations were also below the Tier 1 values for a 10^{-5} risk, given in the American Society for Testing and Materials' Risk-Based Corrective Action Guidelines.

- The TPHg concentrations in the soil do not appear to be leaching significantly to groundwater based on the NonDetect results of the groundwater samples collected from the tank pit.
- Although the TPHd concentrations in the initial groundwater sample exceeded the SEPZ threshold value of 640ppb, the second groundwater sample identified only 160ppb.
- Although lead concentrations identified in groundwater sample GW-1 exceeded the drinking water standard of 50ppb, groundwater at the site is not currently used for drinking water purposes. The Total Dissolved Solid (TDS) levels in the site's groundwater near the tank pit most likely exceed the drinking water standard of 3,000 mg/l due to the apparent hydraulic connection of this water with the brackish water/salt water in the Alameda Harbor.
- The lead concentrations identified in groundwater sample GW-1 also exceeds the Regional Water Quality Control Board's "4-day average" Water Quality Objectives of 5.6ppb for saltwater. However, this contamination does not appear to be resulting from the tank pit, due to the NonDetect concentrations of lead in the soil samples. Additionally, the groundwater sample was also not filtered through a 0.45 micron filter prior to analysis, so that some of the identified lead in the groundwater sample may be resulting from the analysis of some lead-contaminated sediments picked up in the sample. Lead contamination is commonly associated with the dredge sediments in Alameda Harbor and the San Francisco Bay.



Site Location Map
1851 Clement Ave.
Alameda, CA 94501

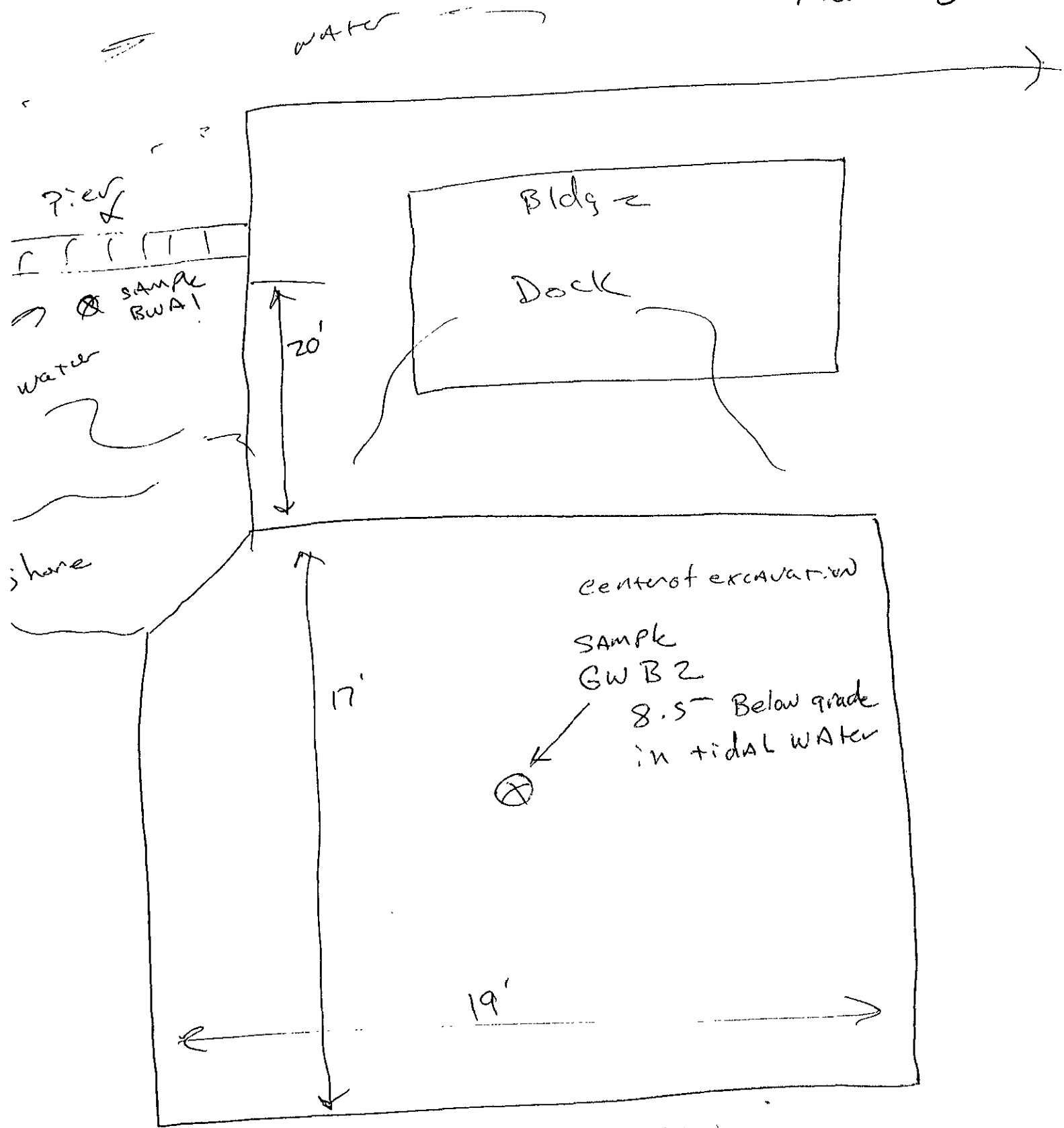


Previous location of UST's

PARKING LOT
↓

FIGURE 2

FIGURE 3



TANK PIT excavation

SAMPLE location map

7-23-99

No scale

Memorandum



Juliett Shin
337-9335

Date: April 20, 1999

To: Randy Lee
Lynn Suen

From: Steve Meek *SM*

Re: Recommended SEPZ Standards for TPH

There has been a considerable amount of activity and correspondence since we last submitted a full set of recommendations for TPH groundwater standards in the SEPZ. In order to clarify the CTG's position and our understanding of the current status of the proposed standards, here are our recommendations for TPH as diesel, jet fuel, and Stoddard solvent along with your previously proposed standard for gasolins.

TPH-diesel	0.64 mg/L	(similarity to jet fuel)
TPH-gasoline	3.7 mg/L	(IC25/10 - sea urchin)
TPH-jet fuel	0.64 mg/L	(IC25 - mysid)
TPH-Stoddard solv.	0.68 mg/L	(EC25/10 - sea urchin)

Please note that this is a revision to our memo on the same subject dated April 8, 1999. I have adjusted the diesel value to match jet fuel in order to be consistent with the recommendation in your letter of July 16, 1998. I have also included in parentheses the basis for each recommendation. If you have any questions on these proposed standards, please call me at 816-822-3491.

SEPZ

Acute #s

Chronic # = 1/10 of acute number

SAN FRANCISCO BAY AQUATIC TOXICITY TESTS ASSESSING EFFECTS OF PETROLEUM HYDROCARBONS LC25/EC25/TC25 Values (ug/L) (Number of Samples)							
Exposure Medium/Sample Site/Test Species/Endpoint	gasoline	gasoline/diescl	diescl	diescl/fuel oil	diescl/Bunker C	diescl/jet fuel	jet fuel
Soil Elutriate Tests (ug/L)							
SFIA							
sea urchin fertilization bivalve larval development						295 (6) [TPH elutriate] not measured*	[TPH elutriate] not measured*
Presidio							
mysis growth/survival bivalve larval development	1,554* (1) 2,214** (1) 1,228**	1,687 (1) .17 2,979 (1) .30		2,227 (1) 30,832 (1)			
Treasure Island							
sea urchin fertilization bivalve larval development		14,345 ++ (4) 39,572 ++ (4)					
Hunter's Point†							
sea urchin fertilization bivalve larval development			12,627 (2) 5,761 (1)				
Groundwater Tests (ug/L)							
Point Molate							
bivalve larval development mysis survival/growth/fecundity			>4,760 (1) 779/ 1,258/ 540 (1)		>1,330 (1) 1,091/ - / 646 (1)		
Hunter's Point							
mysis survival/growth/fecundity (n=2)			1,521 (2)				
WAF Tests (ug/L)							
SFIA							
sea urchin fertilization sea urchin development bivalve larval development	37,000 (1)						3,120 3,160
Treasure Island							
sea urchin fertilization bivalve larval development	60,000 60,000		1,717 7,400				
Bulk Soil Tests (mg/kg)							
Presidio							
amphipod survival	116 **	80		143 6			

NA = Data not yet available

* average soil concentrations corresponding to average NOEC value and average EC50 value for soil elutriates contaminated with a gasoline/jet fuel mixture were <86 mg/kg and 349 mg/kg, respectively (n=4); average soil concentrations corresponding to average NOEC value and average EC50 value for soil elutriate contaminated primarily with jet fuel was <37 mg/kg and 46 mg/kg, respectively.

** This value was calculated from the EC25 by subtracting diesel-only toxicity from another sample from the total toxicity of a gasoline/diesel mixture.

GeoAnalytical Laboratories, Inc.
 1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

CERTIFICATE OF ANALYSIS

Report # K196-01

Date: 7/15/99

ChromaLab
 1220 Quarry Lane
 Pleasanton

Project: 99-07-0204
 CA 94566 PO#

Date Rec'd: 7/15/99
 Date Started: 7/15/99
 Date Completed: 7/15/99

Date Sampled: 7/14/99
 Sampler:

Sample ID	Lab ID	MDL	Method	Analyte	Results	Units
GS-1	K22479	5.0	8020	Benzene	ND	µg/Kg
		5.0	8020	Toluene	ND	µg/Kg
		5.0	8020	Ethyl Benzene	ND	µg/Kg
		5.0	8020	Total Xylenes	ND	µg/Kg
		1.0	8020	Methyl tert -Butyl Ether	ND	µg/Kg
		1.0	5030 Luft	Gasoline	ND	mg/Kg
GS-2	K22480	5.0	8020	Benzene	26	µg/Kg
		5.0	8020	Toluene	930	µg/Kg
		5.0	8020	Ethyl Benzene	88	µg/Kg
		5.0	8020	Total Xylenes	990	µg/Kg
		1.0	8020	Methyl tert -Butyl Ether	12	µg/Kg
		1.0	5030 Luft	Gasoline	2.7	mg/Kg
SP1.2.3A <i>Stockpile</i>	K22481	5.0	8020	Benzene	ND	µg/Kg
		5.0	8020	Toluene	ND	µg/Kg
		5.0	8020	Ethyl Benzene	ND	µg/Kg
		5.0	8020	Total Xylenes	ND	µg/Kg
		1.0	8020	Methyl tert -Butyl Ether	ND	µg/Kg
		1.0	5030 Luft	Gasoline	ND	mg/Kg

Sylvia Krern
 Sylvia Krern
 Chemist

Donna Keller
 Donna Keller

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

CERTIFICATE OF ANALYSIS

Report # K196-01

Date: 7/15/99

ChromaLab
1220 Quarry Lane
Pleasanton CA 94566

Project: 99-07-0204


Date Rec'd: 7/15/99
Date Started: 7/15/99
Date Completed: 7/15/99

PO#

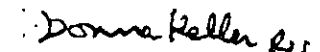
Date Sampled: 7/14/99
Time: 12:00pm
Sampler:

Sample ID: GW-1
Lab ID: K33950

Method	MDL	Analyte	Results	Units
602	0.3	Benzene	3.2	µg/L
8020	0.3	Toluene	13	µg/L
8020	0.3	Ethyl Benzene	2.1	µg/L
8020	0.6	Total Xylenes	14	µg/L
8020	1.0	Methyl tert-Butyl Ether (MTBE)	27	µg/L
5030 Luft	0.05	Gasoline	0.1	mg/L


Sylvia Krenn
Chemist

Certification # 1157


Donna Keller
Laboratory Director

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-07-0204

To: **Foss Environmental Services**

Attn.: Michael Rothman

Test Method: 8015m

Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: GS-1	Lab Sample ID: 1999-07-0204-001
Project: A9190 Alameda Marina	Received: 07/14/1999 15:25
Sampled: 07/14/1999 12:00	Extracted: 07/15/1999 09:00
Matrix: Soil	QC-Batch: 1999/07/15-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	07/15/1999 15:47	
Surrogate(s) o-Terphenyl	81.7	60-130	%	1.00	07/15/1999 15:47	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-07-0204

To: Foss Environmental Services

Attn.: Michael Rothman

Test Method: 8015m

Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: GS-2	Lab Sample ID: 1999-07-0204-002
Project: A9190 Alameda Marina	Received: 07/14/1999 15:25
Sampled: 07/14/1999 12:00	Extracted: 07/15/1999 09:00
Matrix: Soil	QC-Batch: 1999/07/15-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	07/15/1999 16:24	
Surrogate(s) o-Terphenyl	76.0	60-130	%	1.00	07/15/1999 16:24	

1220 Quarry Lane * Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

CHROMALAB, INC.

Submission #: 1999-07-0204

Environmental Services (SDB)

To: Foss Environmental Services
 Attn.: Michael Rothman

Test Method: 8015m
 Prep Method: 3510/8015M
 3550/8015M

Diesel

Sample ID: SP1,2,3,4	Lab Sample ID: 1999-07-0204-003
Project: A9190 Alameda Marina	Received: 07/14/1999 15:25
Sampled: 07/14/1999 12:00	Extracted: 07/15/1999 09:00
Matrix: Soil	QC-Batch: 1999/07/15-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	18	1.0	mg/Kg	1.00	07/15/1999 17:02	ndp
Surrogate(s) o-Terphenyl	122.0	60-130	%	1.00	07/15/1999 17:02	

Stock pile


CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-07-0204

To: **Foss Environmental Services**

Attn.: Michael Rothman

Test Method: 8015m

Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: GW-1	Lab Sample ID: 1999-07-0204-004
Project: A9190 Alameda Marina	Received: 07/14/1999 15:25
Sampled: 07/14/1999 12:00	Extracted: 07/14/1999 09:00
Matrix: Water	QC-Batch: 1999/07/14-02.10
Sample/Analysis Flag: shc (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	8400	250	ug/L.	5.00	07/14/1999 23:37	
Surrogate(s) o-Terphenyl	565.5	60-130	%	5.00	07/14/1999 23:37	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-07-0204

To: **Foss Environmental Services**

Test Method: 6010A

Attn.: Michael Rothman

Prep Method: 3050A

Lead by Flame AA

Sample ID: GS-1	Lab Sample ID: 1999-07-0204-001
Project: A9190 Alameda Marina	Received: 07/14/1999 15:25
Sampled: 07/14/1999 12:00	Extracted: 07/15/1999 10:31
Matrix: Soil	QC-Batch: 1999/07/15-03.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	5.0	mg/Kg	1.00	07/15/1999 18:19	

1220 Quarry Lane * Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 1999-07-0204

To: Foss Environmental Services
 Attn.: Michael Rothman

Test Method: 6010A
 Prep Method: 3050A

Lead by Flame AA

Sample ID: GS-2	Lab Sample ID: 1999-07-0204-002
Project: A9190 Alameda Marina	Received: 07/14/1999 15:25
Sampled: 07/14/1999 12:00	Extracted: 07/15/1999 10:31
Matrix: Soil	QC-Batch: 1999/07/15-03.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	5.0	mg/Kg	1.00	07/15/1999 18:23	

CHROMALAB, INC.
Environmental Services (SDB)

Submission #: 1999-07-0204

To: **Foss Environmental Services**
Attn.: Michael Rothman

Test Method: 6010A
Prep Method: 3010A

Metals

Sample ID: GW-1	Lab Sample ID: 1999-07-0204-004
Project: A9190 Alameda Marina	Received: 07/14/1999 15:25
Sampled: 07/14/1999 12:00	Extracted: 07/15/1999 10:58
Matrix: Water	QC-Batch: 1999/07/15-05.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	0.39	0.0050	mg/L	1.00	07/15/1999 17:24	



TPH Gasoline in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
4151	GW B2	TPH/Gasoline	ND	50
		MTBE	ND	2.5
		Benzene	ND	0.5
		Toluene	2.9	0.5
		Ethyl Benzene	0.80	0.5
		Xylenes	5.4	1.5

Date Sampled: <u>07/23/99</u>	Date Analyzed: <u>07/23/99</u>	QC Batch #: <u>847</u>
Date Received: <u>07/23/99</u>	Method: <u>EPA 5030/8015M/8020</u>	
Holding Time Met: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
4152	BW A1	TPH/Gasoline	ND	50
		MTBE	ND	2.5
		Benzene	ND	0.5
		Toluene	ND	0.5
		Ethyl Benzene	ND	0.5
		Xylenes	ND	1.5

Date Sampled: <u>07/23/99</u>	Date Analyzed: <u>07/23/99</u>	QC Batch #: <u>847</u>
Date Received: <u>07/23/99</u>	Method: <u>EPA 5030/8015M/8020</u>	
Holding Time Met: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		



TPH Diesel in Water

<u>Lab #</u>	<u>Sample ID</u>	<u>Analysis</u>	<u>Result (ug/L)</u>	<u>RDL (ug/L)</u>
4151	GW B2	TPH/Diesel	160	50

Date Sampled: <u>07/23/99</u>	Date Extracted: <u>07/23/99</u>	QC Batch #: <u>846</u>
Date Received: <u>07/23/99</u>	Date Analyzed: <u>07/23/99</u>	Method: <u>EPA 3510/8015M</u>
Holding Time Met: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

<u>Lab #</u>	<u>Sample ID</u>	<u>Analysis</u>	<u>Result (ug/L)</u>	<u>RDL (ug/L)</u>
4152	BW A1	TPH/Diesel	ND	50

Date Sampled: <u>07/23/99</u>	Date Extracted: <u>07/23/99</u>	QC Batch #: <u>846</u>
Date Received: <u>07/23/99</u>	Date Analyzed: <u>07/23/99</u>	Method: <u>EPA 3510/8015M</u>
Holding Time Met: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		