

STID 2949



**CERTIFIED  
ENVIRONMENTAL  
CONSULTING INC.**

51 NOV 23 11:51

November 18, 1991

Ref: 91-173-518

Mr. Larry Seto  
80 Swan Way  
Room 200  
Oakland, CA 94621

RE: Groundwater sampling results for the VA Medical Center Fire Station at 4951 Arroyo Road Livermore, CA.

Dear Mr. Seto:

Enclosed is a copy of the first quarterly groundwater monitoring results for Livermore VA, 4951 Arroyo Road, Livermore, CA. The samples were analyzed for TPH - Gasoline and BTX&E. The samples were non-detect on all parameters. The laboratory results and a chain of custody are attached.

Please let us know if you have any questions.

Yours truly,

Stanley L. Klemetson, Ph.D., P.E.  
Vice President

Scott L. Parker  
Staff Geologist

SLP:rmw

Enclosure

SAMPLING RESULTS FOR LIVERMORE V.A.  
OCTOBER 1990 TO OCTOBER 1991

WELL NUMBER	SAMPLE DATE	TPH-Gas ppm	Benzene ppb	Toluene ppb	Ethyl Benzene ppb	Xylene ppb
MW-1	11/06/91	ND	ND	ND	ND	ND
MW-2	11/06/91	ND	ND	ND	ND	ND
MW-3	11/06/91	ND	ND	ND	ND	ND

ND - Non-detectable levels



# Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

## C E R T I F I C A T E   O F   A N A L Y S I S

LABORATORY NO.: 84314  
CLIENT: C.E.C.  
CLIENT JOB NO.: 91-173-518

DATE RECEIVED: 11/07/91  
DATE REPORTED: 11/14/91  
DATE SAMPLED : 11/06/91

### ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS by Modified EPA SW-846 Method 8015

LAB #	Sample Identification	Concentration (mg/L) Diesel Range
1	MW-1	ND<0.05
2	MW-2	ND<0.05
3	MW-3	ND<0.05

mg/L - parts per million (ppm)

Method Detection Limit for Diesel in Water: 0.05 mg/L

#### QAQC Summary:

Daily Standard run at 200mg/L: RPD Gasoline = N/A  
RPD Diesel = 3  
MS/MSD Average Recovery = 120%: Duplicate RPD = 3

Richard Srna, Ph.D.

  
Laboratory Director



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CLIENT: C.E.C.  
CLIENT JOB NO.: 91-173-518

DATE RECEIVED: 11/07/91  
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ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES  
by EPA SW-846 METHODS 5030 and 8020

LAB #	Sample Identification	Concentration(ug/L)			
		Benzene	Toluene	Ethyl Benzene	Xylenes
1	MW-1	ND<0.3	ND<0.3	ND<0.3	ND<0.3
2	MW-2	ND<0.3	ND<0.3	ND<0.3	ND<0.3
3	MW-3	ND<0.3	ND<0.3	ND<0.3	ND<0.3

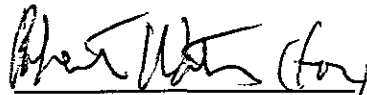
ug/L - parts per billion (ppb)

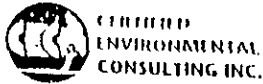
Method Detection Limit in Water: 0.3 ug/L

### QAQC Summary:

Daily Standard run at 20ug/L: RPD = <15%  
MS/MSD Average Recovery = 103%: Duplicate RPD = < 6

Richard Srna, Ph.D.

  
Laboratory Director



140 West Industrial Way, Benicia, California, 94510-1016  
 Ofc. (707) 745-0171 Fax. (707) 745-0163

# Chain of Custody Record

job # 84314  
 Date 11-6-91 Sheet 1 of 1

Project Number: 91-173-518  
 Project Name: LIVERMORE, VA  
 Client: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Address: \_\_\_\_\_

Sampler's Name: S. PARKER  
 Sampler's Signature: \_\_\_\_\_

Sample Number	Date	Time	Location
MW-1	11-6	12:30	MW-1
MW-2	11-6	3:00	MW-2
MW-3	11-6		MW-3

Parameters											Other		
B.T.E.X.	Total Petroleum Hydrocarbons	Oil and Grease	CAM Metals (18)	General Minerals	Pt. Pollutant Metals (13)	Base Nuts/Acids (Organic)	Pesticides	Volatile Organics (601/602)	Volatile Organics (624)	Asbestos	PCB		
X	X												
X	X												
X	X												

Lab Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone Number \_\_\_\_\_  
**Turnaround Time**  
 Rush  24 Hour  48 Hour  Normal  
 Report to \_\_\_\_\_  
 Comments \_\_\_\_\_

NO TPHG!

Please Initial \_\_\_\_\_  
 Samples Stored in ice \_\_\_\_\_  
 Appropriate containers \_\_\_\_\_  
 Samples preserved \_\_\_\_\_  
 VOA's without headspace \_\_\_\_\_  
 Comments: \_\_\_\_\_

Relinquished By	Date	Time	Received By	Date	Time
<u>Scott Parker</u>	<u>11/7/91</u>	<u>11:30</u>	<u>JM Cey No 77</u>	<u>11/7/91</u>	<u>11:30</u>
<u>JM Cey No 77</u>	<u>11/7/91</u>	<u>11:52</u>			
<u>Goshwiler</u>	<u>11/9/91</u>	<u>9:50</u>			
Dispatched By	Date	Time	Received in Lab By	Date	Time
<u>Goshwiler</u>	<u>11/9/91</u>	<u>19:50</u>			

Total Number of Containers This Sheet: \_\_\_\_\_  
 Method of Shipment \_\_\_\_\_  
 Special Shipment / Handling or Storage Requirements: \_\_\_\_\_