

March 23, 1992

REF: 92-173-667.078

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

RE: Quarterly 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 second quarter groundwater monitoring results for Livermore VA, 4951 Arroyo Road, Livermore, CA. Three wells were sampled and analyzed for TPH-diesel and BTX&E. The samples were below detection limits on all parameters. The laboratory results and a chain of custody are attached.

Please let us know if you have any questions.

Yours truly,

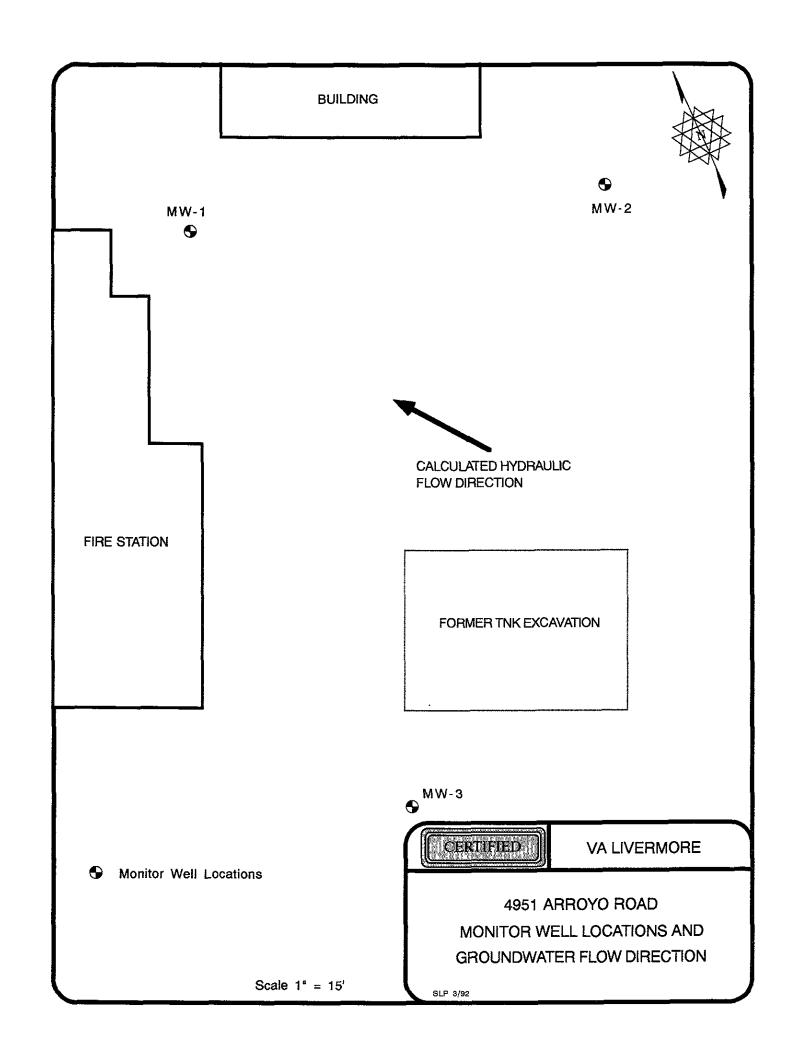
Scott L. Parker

Senior Project Manager

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

Vice President

Enclosures



SAMPLING RESULTS FOR THE VA MEDICAL CENTER FIRE STATION NOVEMBER 1991 TO MARCH 1992

WELL NUMBER	SAMPLE DATE	TPH-Diesel ppm	Benzene ppb	Toluene ppb	Ethyl Benzene ppb	Xylene ppb
MW-1	11/06/91	ND	(15)?	0.8	(4)	76
	03/03/92	ND	ND	ND	ND	ND
MW-2	11/06/91	ND	ND	ND	ND	ND
	03/03/92	ND	ND	ND	ND	ND
MW-3	11/06/91	ND	ND	ND	ND	ND
	03/03/92	ND	ND	ND	ND	ND

ND - Non-detectable levels

? - (als results from Now 1991 shows W.D for those

	nvironmenta ndustrial Way			Client Project I nore VA	D: 92-173-66	Date Sampled: 03/03/92 Date Received: 03/04/92					
Benecia, C.	A 94510-1016	5		Client Contact:	Scott Parker	Date Extracted:					
				Client P.O:	······································	Date Analyzed: 03/06/92					
DOLLE LITT	Town CD			Point TPH* (as	Gasoline) a	(*					
DOHS LUFT procedure; EPA method 5030, modification Lab ID				1	Toluene	Ethyl F		Xylenes	% Rec. Sur- rogate		
12116	MW-1	w	ND	ND	ND	ND		ND	98		
12117	MW-2	w	ND	ND	ND	ND		ND	97		
12118	MW-3	W ND		ND	ND	ND) ND		99		
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Detection Limit unless otherwise stated; ND means Not Detected		w	50 ug/L	0.3	0.3	0.3	0.3				
		S	1.0 mg/kg	0.005	0.005	0.00	5	0.005			

^{*}water samples are reported in ug/L and soils in mg/kg

[#] sample peak co-elutes with surrogate standard peak

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) predominately gasoline or compounds that elute in the gasoline range; b) gasoline together with higher boiling compounds; c) heavier gasoline compounds predominate (aged gasoline?); d) one to a few isolated peaks predominate; e) low boiling point compounds predominate; f) diesel range compounds predominate.

QC REPORT

Date: 03/06-03/09/92

Matrix: water

	Concent	ration	(ug/L)	Amount	% Reco	222	
Analyte	Sample	MS	MSD	Spiked (ug/L)	MS	MSD	RPD
TPH (gas)	0.0	103.2	100.2	102	101	98	3.0
Benzene	0.0	11.4	11.3	10	114 107	113 105	0.9 1.9
Toluene	0.0	10.7	10.5 10.7	10 10	107	103	1.9
Ethyl Benzene Xylenes	0.0	32.5	32.0	30	108	107	1.6
TPH (diesel)	0	436	435	600	73	72	0.3
TRPH (oil & grease)	N/A	N/A	N/A	1000	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

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



Chain of Custody Record

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140 West Industrial Way, Be Ofc. (707) 745-0171 (800)			-0163								· · · · · · · · · · · · · · · · · · ·				Dat	le -	3 - 3 - 9 ZSheel / OF /	
Project Number: 92-173-667 Project Name: 414ERNORE VA Address:				Parameters														
				5		8015/8020			010)	(0)	13)	ganic)	11				Phone Number	
Sampler's Name TROY W. 7EW Sampler's Signature				4 as Gasoline 8015	TPH as Diesel 8015	TPH-G and B.T.E.X	B.T.X.& E 8020	Oil and Grease 5520	Volitile Organics (8010)	Volitile Organics (80 CAM Metals (17)	CAM Metals (17) Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141		Marrix (Soil/Water)	IIIIX (SOIL) Mater)	Turnaround Time Rush 24 Hour 48 Hour 5-Day Report to: Sec77 PARKETZ	
Sample Location	Date	Time		TPH	TPF	TPF		ō	3	Ö	Ÿ.	Bä	Pes		1 1 1 2	<u> </u>	No 12116	
MW-1 / MW-1	3.3-92				X		X	_	-			_	 	_		┪	No. 12117	
NW-2 / MW-2	3-3-92				メメ		X		┼	-	-	-	\vdash	-		\dashv	, , , , , , , , , , , , , , , , , , ,	
MW-3 / MW-3	3-3-92				1	-			-	+-	-	-	\vdash	├		{	り No. 12118 ' <u>'</u>	
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Relinquished By	Date	Time		R	eccive	d By			+	Date			Time	 • 	Total Number of Containers This Sh	ncel	ı: 9	
Trong V Pers	3-4-52	1/40	ا. ک	Es 1 for 1		3	3-4-92		11	11:10		Method of Shipment						
			2											Special Shipment / Handling				
3.			3,												or Storage Requirements:			
Dispatched By	Dale	Time	R	Received in Lab By Date Time														
															,			