

electronics & Biomed Shops

# PALO ALTO VAMC/LIVERMORE DIVISION ENGINEERING SERVICE



Carpenter Shop



Grounds Shop



Boiler Plant & Plumbers

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TO: NAME: *BARNEY Chin* MAIL#:   
 FAX#: *510 337-9335*

FROM: NAME: MAIL#: *138*  
PHONE: FTS: *700 - 467-6401*  
COMMERICAL: *510-447-2560, EXT. 6401*  
FAX: *510 - 455-7428*

SUBJECT: *Soil Samples 88990 Taken 3-27-95*

COMMENT(S):  
*3/29 OK to backfill - pits - relayed to J. Pitzer*

PAGES SENT: *3* + COVER  
DATE SENT: *3/29/95* TIME SENT: *2:25 PM* P.S.T.



Electric Shop



Grounds Sh



<b>McCAMPBELL ANALYTICAL INC.</b>	110 2nd Avenue South, #D7, Pacifico, CA 94553 Tel: 510-798-1620 Fax: 510-798-1622
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Growth Environmental Services 536 Stone Road, Ste. J Benicia, CA 94510-1016	Client Project ID: # 173-631; VA Mcd. Center	Date Sampled: 03/27/95
		Date Received: 03/27/95
	Client Contact: Michael Davis	Date Extracted: 03/27/95
	Client P.O.: # 1496	Date Analyzed: 03/27/95

**Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline\*, with BTEX\***  
EPA methods: 5030, modified 801.5, and 8020 or 602; California RWOCB (SF Bay Region) method OCFID(5030)

Lab ID	Client ID	Matrix	TPH (g) <sup>†</sup>	Benzene	Toluene	Ethylben- zene	Xylenes	% Rec. Surrogate
51099	Bld. 88 -N	S	--	ND	ND	ND	ND	108
51100	Bld. 88 -S	S	--	ND	ND	ND	ND	98
51101	Bld. 90 -W	S	--	ND	ND	ND	ND	106
51102	Bld. 90 -E	S	--	ND	ND	ND	ND	109
51103	Bld. 88 Stkp	S	--	ND	ND	ND	ND	99
51104	Bld. 90 Stkp 1	S	--	ND	ND	ND	ND	97
51105	Bld. 90 Stkp 2	S	--	ND	ND	ND	ND	99
Detection Limit unless other- wise stated; ND means Not Detected		W	50 µg/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

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

# cluttered chromatogram; sample peak co-elutes with surrogate peak

+ 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 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 are significant; no recognizable pattern; 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 phase is present.

DHS Certification No. 1644

  
Edward Hamilton, Lab Director