

95 MAY 24 PM 1:17 May 22, 1995

Juliet Shin
Alameda County Department of
Environmental Health
UST Local Oversight Program
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Re: First Quarter Monitoring Report
Albany Ford Dealership
718 San Pablo Avenue
Albany, California
Cambria Project #10-102-04

Dear Ms. Shin:

This report summarizes the first quarter 1995 ground water monitoring results for the site referenced above (Figure 1). This quarter's activities, next quarter's anticipated activities and hydrocarbon, volatile organic compound (VOC), and metals distributions in ground water are described below.

FIRST QUARTER 1995 ACTIVITIES

Subsurface Environmental Corporation, Inc. of San Francisco, California (*Subsurface*) collected ground water samples from wells MW-1, MW-2 and MW-3 on April 10, 1995. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and benzene, ethylbenzene, toluene and xylenes (BETX), total petroleum hydrocarbons as diesel (TPHd), total petroleum hydrocarbons as motor oil (TPHmo) and volatile organic compounds (VOCs) and LUFT metals. The samples were filtered prior to transport to the analytic laboratory. *Subsurface* also gauged the site wells and checked them for floating hydrocarbons. No floating hydrocarbons were detected.

ANTICIPATED SECOND QUARTER 1995 ACTIVITIES

Subsurface will gauge all site wells, check the wells for floating hydrocarbons, and collect water samples from the wells. *Cambria* will tabulate the data and prepare a quarterly monitoring report.

SAMPLING/ GAUGING RESULTS

No TPHg, BETX or POG were detected in any of the ground water samples collected. Although low VOC and metals concentrations were detected, all analytic results were near or below the maximum contaminant levels established by the Department of Toxic Substances Control. The maximum VOC concentrations detected were 0.99 ppb 1,2-Dichloroethane in well MW-2 and 0.93 ppb 1,2-Dichloroethane in well MW-2. In addition, only 150 parts per billion (ppb) TPHd were detected in MW-2.

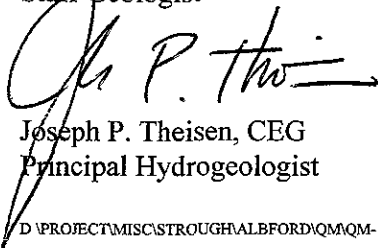
Ground water is approximately 1.0 to 2.3 ft higher than during June of 1994. With the higher in ground water elevation, the ground water flow direction has shifted to a more eastward direction, placing the wells directly downgradient of the former tank locations. It is likely that winter precipitation is responsible for the shift in ground water flow direction.

Please call if you have any questions or comments.

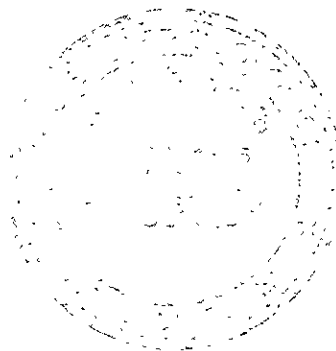
Sincerely,
Cambria Environmental Technology, Inc.



Bob Schultz
Staff Geologist



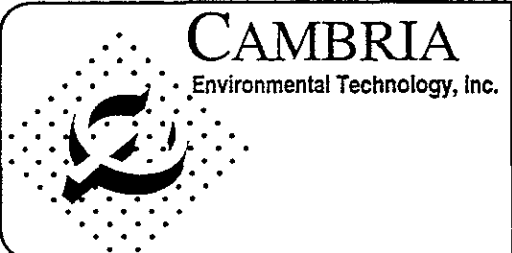
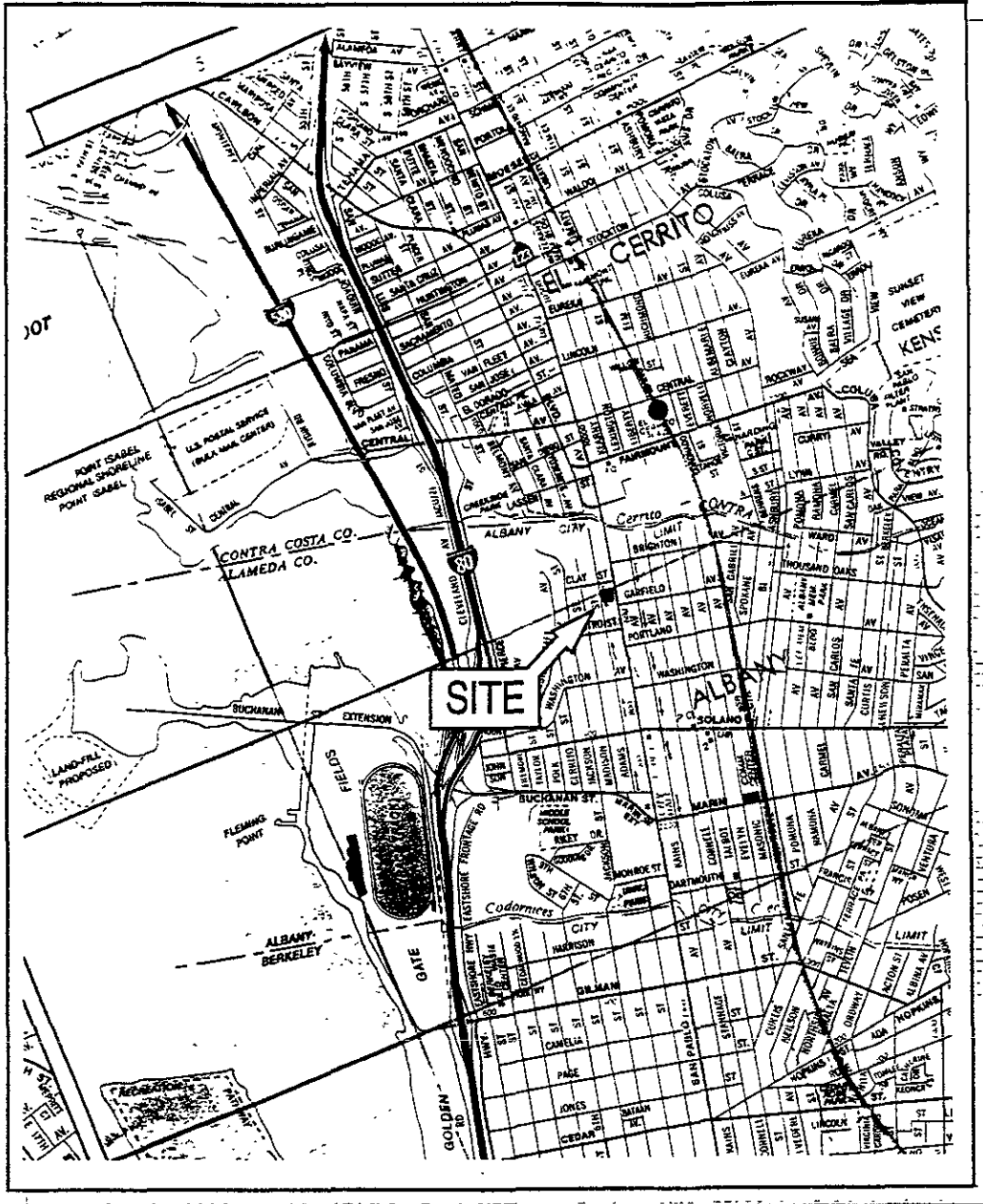
Joseph P. Theisen, CEG
Principal Hydrogeologist



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Attachments: A - Analytic Reports for Ground Water

cc: Don Strough, C/O Cypress Ford, # 4 Geary Plaza, Seaside, California 93955
Subsurface Environmental Corporation, 1796 18th Street, San Francisco, CA 94107



Site Location Map

Albany Ford Dealership
718 San Pablo Avenue
Albany, California

FIGURE

1

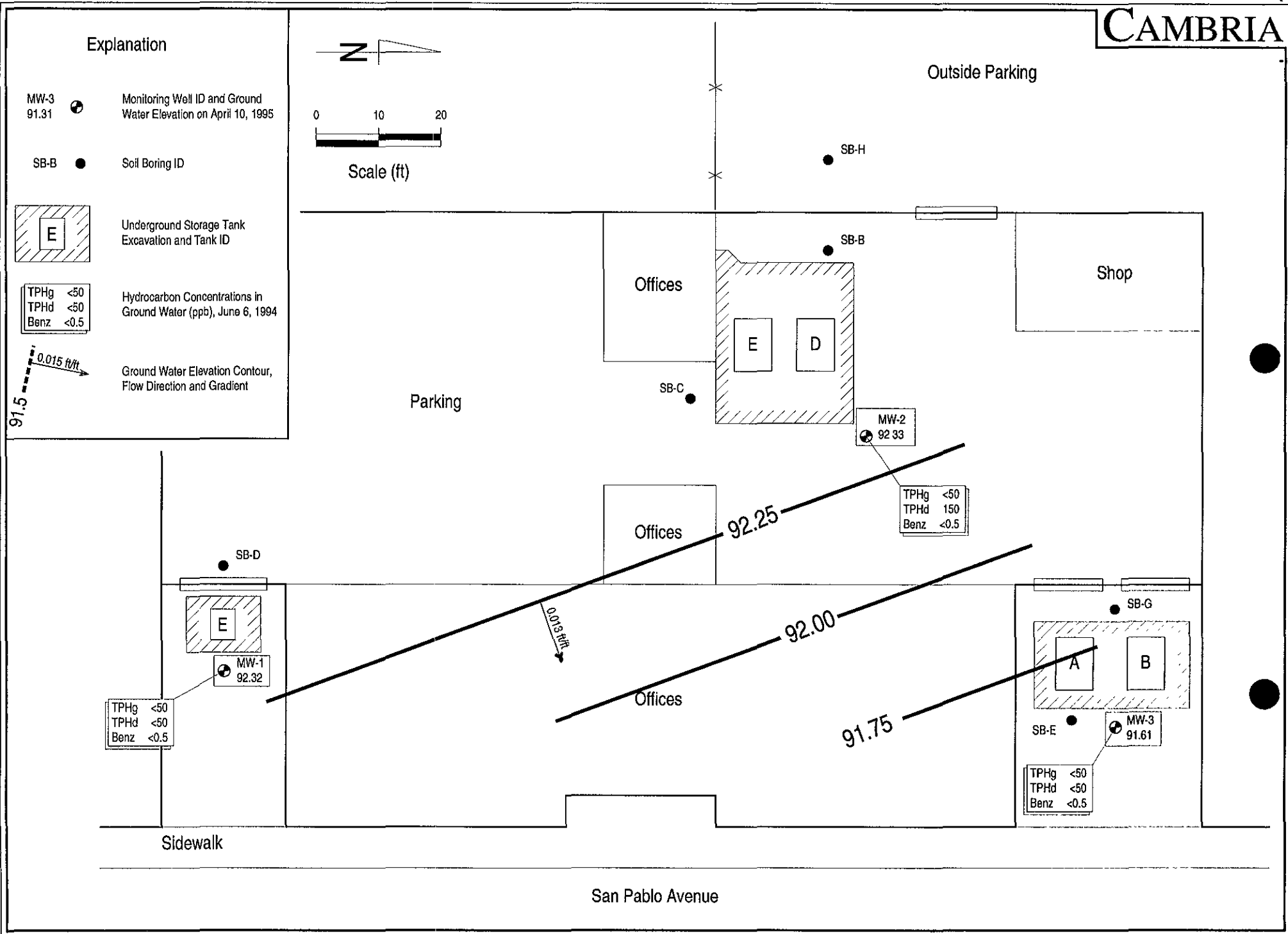


Figure 2. Ground Water Elevations and Hydrocarbon Concentrations - Albany Ford Dealership - 718 San Pablo Avenue, Albany, California

Table 1. Ground Water Elevation and Analytic Data, 718 San Pablo Avenue, Albany, California

Well/ Boring ID	Date Sampled	TOC Elevation	GW Depth (ft)	GW Elevation (ft)	TPHg	TPHd	TPHmo	(Concentration in ppb)				Notes
								B	T	E	X	
MW-1	6/9/94	99.12	7.83	91.29	80	90	ND	ND	53	ND	1.2	a
	1/12/95		7.70	91.42	ND	ND	ND ^b	ND	ND	ND	ND	
	4/10/95		6.80	92.32	ND	ND	ND	ND	ND	ND	ND	
MW-2	6/8/94	99.23	9.44	89.79	ND	140	ND	ND	ND	ND	ND	a
	1/12/95		7.60	91.63	ND	100	ND ^b	ND	ND	ND	ND	
	4/10/95		6.90	92.33	ND	150 ^c	ND	ND	ND	ND	ND	
MW-3	6/9/94	98.46	9.10	89.36	ND	ND	ND	ND	ND	ND	ND	
	1/12/95		7.15	91.31	ND	ND	ND ^b	ND	ND	ND	ND	
	4/10/95		6.85	91.61	ND	ND	ND	ND	ND	ND	ND	

Abbreviations

TOC Elevation = Top of casing elevation with respect to onsite benchmark
 GW = Ground water
 TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
 TPHd = Total petroleum hydrocarbons as diesel by modified EPA Method 8015
 TPHmo = Total petroleum hydrocarbons as motor oil by modified EPA Method 8015
 ND = No compounds detected above laboratory detection limit

B = Benzene by EPA Method 8020
 E = Ethylbenzene by EPA Method 8020
 T = Toluene by EPA Method 8020
 X = Xylenes by EPA Method 8020

Notes

a = The positive TPHd result appears to be a hydrocarbon lighter than diesel.
 b = Petroleum Oil and Grease by EPA Method 5520 B/E&F
 c = Lab reports one to a few isolated peaks present.

CAMBRIA

Table 2. Ground Water Analytic Data for Metals, Halogenated Volatile Organic Compounds (VOCs) and Semi-Volatile Organics - 718 San Pablo Avenue, Albany, California

Well/ Boring ID	Date	Cadmium	Chromium	Lead	Nickel	Zinc	HVOCs		Semi- Volatiles	
							1,2 DCE	Other		
(Concentration in ppb)										
MW-1	6/9/94	80	1500	160	2200	1200	0.7	ND	ND	
	1/12/95	ND	ND	ND	ND	80	0.83	ND	---	
	4/10/95	ND	ND	ND	ND	0.13	0.93	ND	---	
MW-2	6/8/94	ND	250	35	360	220	ND	ND	ND	
	1/12/95	ND	ND	ND	40	120	ND	ND	---	
	4/10/95	ND	ND	ND	ND	0.13	0.99	ND	---	
MW-3	6/9/94	ND	330	42	490	310	ND	a	ND	
	1/12/95	ND	ND	ND	ND	100	ND	b	---	
	4/10/95	ND	ND	ND	ND	0.12	ND	ND	---	
DTSC or EPA MCL		10	50	50	100	500	vary	vary	vary	

Abbreviations

GW = Ground water
 HVOCs = Halogenated VOCs by EPA Method 8010
 Semi-Volatiles = Semi Volatile and Acid extractable compounds by EPA Method 8270
 DTSC/EPA MCL = Department of Toxic Substances Control/U.S. EPA Maximum Contaminant Level for drinking water
 ND = Not Detected - Detection Limits vary by compound
 --- = Not analyzed

Notes

a = 1.1 ppb 1,1,1 Trichloroethane detected *MCL = 200 ppb*
 b = 1.8 ppb 1,1-Dichloroethane, 0.51 ppb Tetrachloroethene, 2.6 ppb 1,1,1-Trichloroethane and 5.6 ppb Trichlorofluoromethane detected *5 ppb*
250 ppb

ATTACHMENT A

Analytic Reports for Ground Water

Subsurface Environmental 1796 18th Street, Suite C San Francisco, CA 94107	Client Project ID: Albany Ford	Date Sampled: 04/10/95
	Client Contact: Roxanne Harris	Date Received: 04/10/95
	Client P O:	Date Extracted: 04/10/95
		Date Analyzed: 04/10/95

Gasoline Range (C6-CL2) Volatile Hydrocarbons as Gasoline*, with BTEX*
 EPA methods 5030, modified 8013, and 8020 or 602; California RWQCB (SF Bay Region) method GC/FID/5030

Lab ID	Client ID	Matrix	TPH(g) ⁺	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
51573	MW-1	W	ND	ND	ND	ND	ND	100
51574	MW-2	W	ND	ND	ND	ND	ND	100
51575	MW-3	W	ND	ND	ND	ND	ND	102
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W	50 ug/L	0.5	0.5	0.5	0.5	0.5	
	S	1.0 mg/kg	0.005	0.005	0.005	0.005	0.005	

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

cluttered chromatogram; sample peak coelutes 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 having broad chromatographic peaks are significant; biologically altered gasoline?; 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 sheen is present; i) liquid sample that contains greater than ~ 5 vol. % sediment; j) no recognizable pattern.

McCAMPBELL ANALYTICAL INC. 110 2nd Avenue South, #D7, Pacheco, CA 94553
 Tele: 510-798-1620 Fax 510-798-1622

Subsurface Environmental 1796 18th Street, Suite C San Francisco, CA 94107	Client Project ID: Albany Ford	Date Sampled: 04/10/95
		Date Received: 04/10/95
	Client Contact: Roxanne Harris	Date Extracted: 04/12/95
	Client P.O.:	Date Analyzed: 04/12/95

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *
 EPA methods modified 8015, and 3550 or 3510; California RWOCB (SF Bay Region) method GC/FID(3550) or GC/FID(3510)

Lab ID	Client ID	Matrix	TPH(d) *	% Recovery Surrogate
51573	MW-1	W	ND	100
51574	MW-2	W	150,f	101
51575	MW-3	W	ND	101
Reporting Limit unless other- wise stated; ND means not de- tected above the reporting limit	W	50 ug/L		
	S	1.0 mg/kg		

* water samples are reported in ug/L, soil samples in mg/kg, and all TCLP and STLC extracts in mg/L
 # cluttered chromatogram resulting in coeluted surrogate and sample peaks, or, surrogate peak is on elevated baseline, or, surrogate has been diminished by dilution of original extract.
 + 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 diesel is significant; b) diesel range compounds are significant, no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel (?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~ 5 vol. % sediment.

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Subsurface Environmental 1796 18th Street, Suite C San Francisco, CA 94107	Client Project ID: Albany Ford	Date Sampled: 04/10/95
		Date Received: 04/10/95
	Client Contact: Roxanne Harris	Date Extracted: 04/11/95
	Client P.O.:	Date Analyzed: 04/11/95

Total Recoverable Petroleum Hydrocarbons as Oil & Grease (with Silica Gel Clean-up) by Scanning IR Spectrometry*
EPA method 418.1 or 8073; Standard Methods 5520 C&F

Lab ID	Client ID	Matrix	TRPH™
51573	MW-1	W	ND
51574	MW-2	W	ND
51575	MW-3	W	ND
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	1.0 mg/L
		S	10 mg/kg

* water samples are reported in mg/L and soils in mg/kg
surrogate diluted out of range
+ At the laboratory's discretion, one positive sample may be run by direct injection chromatography with FID detection. The following comments pertain to this GC result: a) gasoline-range compounds (C6-C12) are present; b) diesel range compounds (C10-C23) are present; c) oil-range compounds (> C18) are present; d) other patterned solvent (?); e) isolated peaks; f) GC compounds are absent or insignificant relative to TRPH inferring that complex biologically derived molecules (lipids?) are the source of IR absorption; h) a lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~ 5 vol. % sediment.

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	Client P.O:	Date Analyzed: 04/11/95

Volatile Halocarbons

EPA method 801 or 810

Lab ID	51573	51574	51575	
Client ID	MW-1	MW-2	MW-3	
Matrix	W	W	W	
Compound	Concentration			
Bromodichloromethane	ND	ND	ND	
Bromoform ^(b)	ND	ND	ND	
Bromomethane	ND	ND	ND	
Carbon Tetrachloride ^(c)	ND	ND	ND	
Chlorobenzene	ND	ND	ND	
Chloroethane	ND	ND	ND	
2-Chloroethyl Vinyl Ether ^(d)	ND	ND	ND	
Chloroform ^(e)	ND	ND	ND	
Chloromethane	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	
1,4-Dichlorobenzene	ND	ND	ND	
Dichlorodifluoromethane	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	
1,2-Dichloroethane	0.93	0.99	ND	
1,1-Dichloroethene	ND	ND	ND	
cis 1,2-Dichloroethene	ND	ND	ND	
trans 1,2-Dichloroethene	ND	ND	ND	
1,2-Dichloropropane	ND	ND	ND	
cis 1,3-Dichloropropene	ND	ND	ND	
trans 1,3-Dichloropropene	ND	ND	ND	
Methylene Chloride ^(f)	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	
Tetrachloroethene	ND	ND	ND	
1,1,1-Trichloroethane	ND < 1	ND < 1	ND < 1	
1,1,2-Trichloroethane	ND	ND	ND	
Trichloroethene	ND	ND	ND	
Trichlorofluoromethane	ND	ND	ND	
Vinyl Chloride ^(g)	ND	ND	ND	
% Recovery Surrogate	105	104	104	
Comments				

* water and vapor samples are reported in ug/L, soil samples in ug/kg and all TCLP extracts in ug/L.
 Reporting limit unless otherwise stated: water/TCLP extracts, ND < 0.5ug/L; soil, ND < 5ug/kg
 ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis
 (b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethane;
 (h) a lighter than water immiscible liquid is present; (i) liquid sample that contains greater than ~ 5 vol. % sediment.

McCAMPBELL ANALYTICAL INC.	110 2nd Avenue South, #D7, Pacheco, CA 94553 Tel: 510-798-1620 Fax: 510-798-1622
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	Client Contact: Roxanne Harris	Date Received: 04/10/95
	Client P.O.:	Date Extracted: 04/10/95
		Date Analyzed: 04/11/95

Dissolved LUFT Metals									
EPA analytical methods 6010/200.7, 239.2									
Lab ID	Client ID	Matrix	Extraction ^o	Cadmium	Chromium	Lead	Nickel	Zinc	% Rec. Surrogate
51573	MW-1	W	TTLIC	ND	ND	ND	ND	0.13	NA
51574	MW-2	W	TTLIC	ND	ND	ND	ND	0.13	NA
51575	MW-3	W	TTLIC	ND	ND	ND	ND	0.12	NA
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S		TTLIC	0.5 mg/L	0.5	3.0	2.0	1.0	
	W		TTLIC	0.01 mg/kg	0.005	0.005	0.02	0.01	
	---		STLC, TCLP	0.01 mg/L	0.05	0.2	0.05	0.05	

* soil samples are reported in mg/kg, and water samples and all STLC & TCLP extracts in mg/L.

+ Lead is analysed using EPA method 6010 (ICP) for soils, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples

o EPA extraction methods 1311 (TCLP), 3010/3020 (water, TTLIC), 3040 (organic matrices, TTLIC), 3050 (solids, TTLIC); STLC from CA Title 22

surrogate diluted out of range; N/A means surrogate not applicable to this analysis

i) liquid sample that contains greater than ~ 2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.

DHS Certification No. 1644 14 Edward Hamilton, Lab Director

3433ASEX64

McCAMPBELL ANALYTICAL
 110 2nd AVENUE, # D7
 (510) 798-1820 PACIFIC CO, CA 94663 FAX (510) 798-1822

CHAIN OF CUSTODY RECORD
 TURN AROUND TIME: RUSH 24 HOUR 48 HOUR (5 DAY)

REPORT TO: **VAN** BILL TO:
 COMPANY: **SUBSURFACE ENV.**

TELE: **415-863-8160** FAX #: **415-863-5156**
 PROJECT NUMBER: PROJECT NAME: **ALBANY FORD**
 PROJECT LOCATION: **SAN PABLO AVE ALBANY** SAMPLER SIGNATURE: *[Signature]*

SAMPLE ID	LOCATION	SAMPLING		# CONTAINERS	TYPE CONTAINERS	MATRIX					METHOD PRESERVED		ANALYSIS REQUEST	OTHER	COMMENTS	
		DATE	TIME			WATER	SOIL	AIR	SLUDGE	OTHER	ACL	PHOS				OTHER
MW-1		4/10	8:00	6	1 - 5L 4 - 20L	X										* FILTERED FIRST.
MW-2			9:26			X										
MW-3			4:00			X										

51573
 51574
 51575

*
 LEAD METALS
 X X X

RELINQUISHED BY: <i>[Signature]</i>	DATE: 4/10	TIME: 8:00	RECEIVED BY: <i>[Signature]</i>
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY LABORATORY:

REMARKS:
 ICE?
 GOOD CONDITION
 HEAD SPACE ABSENT
 PRESERVATIVE:
 APPROPRIATE CONTAINERS
 All good in Lab