

Subsurface Environmental Corp.
Telephone 510/215-6553 Fax 510/234-7521

FAX TRANSMITTAL

ATTN: *Juliette Shin*

COMPANY: *Local Oversight Program*

FAX: *510/569-4757*

DATE: *May 3, 1993*

TIME: *2:45 pm*

FROM: *Roxanne Harris*

RE: *Val Strough Volkswagen - 718 San Pablo Ave., Albany*

Following is a copy of the soils results for tanks removed at Val Strough Volkswagen as discussed Friday.

Thank you for returning my phone call so promptly, your assistance is greatly appreciated.

No. of pages to follow: 6


 Quanteq Laboratories

PAGE 2 OF 3

MCCAMPBELL ANALYTICAL

DATE SAMPLED: 04/06/93
 DATE RECEIVED: 04/07/93
 CLIENT PROJ. ID: 1084

REPORT DATE: 04/14/93

QUANTEQ JOB NO: 9304048

718 San Pablo Ave
 Albany
 Val Strough Volkswagen

Re: Roxanne Harrison

Client Sample Id.	Quanteq Lab Id.	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
TC001	01A	0.4	47	7	67	730
TD002	02A	0.3	54	7	75	40
TE003	03A	0.3	64	6	120	37
TB004	04A	0.3	49	4	95	26
TA005	05A	0.2	60	3	86	28
SDE006	06A	0.5	39	14	48	52
Reporting Limit		0.2	5	2	3	2

EPA Method: 6010

Instrument: ICP

Date Analyzed: 04/09/93

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Subsurface Environmental 11072 San Pablo Ave, #315 El Cerrito, CA 94530	Client Project ID: #93127; Val Strough Volkswagon	Date Sampled: 04/06/93
		Date Received: 04/06/93
	Client Contact: Roxanne Harris	Date Extracted: 04/07/93
	Client P.O:	Date Analyzed: 04/08-04/11/93

Medium Boiling Point (C10-C23) TPH* as Diesel
EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(D) ⁺
30062	TC001	S	1900,g,e,d
30063	TD002	S	1900,g,e
30064	TE003	S	ND,g
30065	TB004	S	1400,s,e,g
30066	TA005	S	ND,a
30067	SDE006	S	1900,g,e
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L
		S	10 mg/kg

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

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) predominately unmodified or weakly modified diesel; b) diesel range compounds predominate; no recognizable pattern; c) diesel range compounds together with gasoline range compounds; d) gasoline range compounds predominate; e) medium boiling point pattern that does not match diesel (Stoddards solvent?); f) one to a few isolated peaks present; g) oil range compounds predominate.

 Edward Hamilton, Lab Director

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		Date Analyzed: 04/06-04/14/93

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	30066	30067		
Client ID	TA005	SDE006		
Matrix	S	S		
Compound ⁽¹⁾	Concentration*	Concentration*	Concentration*	Concentration*
Bromodichloromethane	ND	ND		
Bromoform ⁽²⁾	ND	ND		
Bromomethane	ND	ND		
Carbon Tetrachloride ⁽³⁾	ND	ND		
Chlorobenzene	ND	ND		
Chloroethane	ND	ND		
2-Chloroethyl Vinyl Ether ⁽⁴⁾	ND	ND		
Chloroform ⁽⁵⁾	ND	ND		
Chloromethane	ND	ND		
Dibromochloromethane	ND	ND		
1,2-Dichlorobenzene	ND	ND		
1,3-Dichlorobenzene	ND	ND		
1,4-Dichlorobenzene	ND	ND		
1,1-Dichloroethane	ND	ND		
1,2-Dichloroethane	ND	ND		
1,1-Dichloroethene	ND	ND		
cis 1,2-Dichloroethene	ND	ND		
trans 1,2-Dichloroethene	ND	ND		
1,2-Dichloropropane	ND	ND		
cis 1,3-Dichloropropene	ND	ND		
trans 1,3-Dichloropropene	ND	ND		
Methylene Chloride ⁽⁶⁾	ND	ND		
1,1,2,2-Tetrachloroethane	ND	ND		
Tetrachloroethene ⁽⁷⁾	ND	21		
1,1,1-Trichloroethane	ND	ND		
1,1,2-Trichloroethane	ND	ND		
Trichloroethene	ND	ND		
Trichlorofluoromethane	ND	ND		
Vinyl Chloride ⁽⁸⁾	ND	ND		
% Recovery Surrogate	104	90		
Comments				

Detection limit unless otherwise stated: water, ND < 0.5ug/L; soil, ND < 15ug/kg

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

(1) IUPAC allows "ylene" or "ene", ex. ethylene or ethene; (2) tribromomethane; (3) tetrachloromethane; (4) (2-chloroethoxy) ethene; (5) trichloromethane; (6) dichloromethane; (7) perchloroethylene, PCE or perclor; (8) chloroethene; (9) unidentified peak(s) present.

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	Client P.O:	Date Analyzed: 04/06-04/14/93

Volatile Halocarbons

EPA method 601 or 6010				
Lab ID	30062	30063	30064	30065
Client ID	TC001	TD002	TE003	TB004
Matrix	S	S	S	S
Compound ⁽¹⁾	Concentration*	Concentration*	Concentration*	Concentration*
Bromodichloromethane	ND	ND	ND	ND
Bromoform ⁽²⁾	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND
Carbon Tetrachloride ⁽³⁾	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether ⁽⁴⁾	ND	ND	ND	ND
Chloroform ⁽⁵⁾	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND
cis 1,2-Dichloroethene	ND	ND	ND	ND
trans 1,2-Dichloroethene	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND
cis 1,3-Dichloropropene	ND	ND	ND	ND
trans 1,3-Dichloropropene	ND	ND	ND	ND
Methylene Chloride ⁽⁶⁾	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene ⁽⁷⁾	ND	ND	ND	250
1,1,1-Trichloroethane	ND	ND	ND	89
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND
Vinyl Chloride ⁽⁸⁾	ND	ND	ND	ND
% Recovery Surrogate	104	96	101	100
Comments				

Detection limit unless otherwise stated: water, ND < 0.5ug/L; soil, ND < 15ug/kg.

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

(1) IUPAC allows "ylene" or "ene", ex. ethylene or ethene; (2) tribromomethane; (3) tetrachloromethane; (4) (2-chloroethoxy) ethene; (5) trichloromethane; (6) dichloromethane; (7) perchloroethylene, PCE or percola; (8) chloroethene; (9) unidentified peak(s) present.

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	Client P.O:		Date Extracted: 04/07/93
			Date Analyzed: 04/07/93
Total Recoverable Petroleum Hydrocarbons as Oil & Grease (with Silica Gel Clean-up) by Scanning IR Spectrometry*			
EPA method 418.1			
Lab ID	Client ID	Matrix	TRPH
30062	TC001	S	9900
30063	TD002	S	24,000
30064	TE003	S	230
30065	TB004	S	4700
30066	TA005	S	25
30067	SDE006	S	31,000
Detection Limit unless otherwise stated; ND means Not Detected	W		0.5 mg/L
	S		5 mg/kg
*water samples are reported in mg/L and soils in mg/kg			

 Edward Hamilton, Lab Director