

Subsurface Consultants, Inc.
Consulting Engineers

FAX TRANSMISSION COVER SHEET

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Company: Alameda County Health Care Services Agency

From: Jeriann Alexander **RUSH!**
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Project: _____ Subject: Analytical Results

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sheets were placed over the tube ends prior to capping, tapping and labelling. The soils were refrigerated until delivery to the analytical laboratory. The samples were accompanied by Chain-of-Custody Records, copies of which are attached.

III ANALYTICAL TESTING

Analytical testing was performed by Curtis and Tompkins, Ltd., a State of California Department of Health Services (DHS) certified analytical laboratory for the tests performed.

Selected soil samples were composited by the laboratory to create three samples for analyses. A summary of the samples making up the composites is presented below.

<u>Sample</u>	<u>Boring</u>	<u>Depth (feet)</u>
Composite 1	1	4
	2	2
	3	3
	5	3
Composite 2	4	4
	6	4
	7	3
	8	1
Composite 3	4	10
	6	9
	7	8
	8	5

Composites 1 and 2 were analytically tested for the following:

1. TOG, sample preparation and analysis using EPA Method 3550 (solvent extraction) and Standard Method 503E (gravimetric determination),

2. Semi-volatile organics, sample preparation and analysis using EPA Methods 3550 and 8270 (gas chromatograph and mass spectrometer), and
3. Title 26 metals, sample preparation and analysis using EPA Methods 6010 (inductively coupled plasma spectrometer), 7740 (graphite furnace atomic absorption spectrophotometer) and 7471 (cold vapor atomic absorption spectrophotometer).

Composite 3 was analytically tested for:

1. TEH, sample preparation and analysis using EPA Methods 3550 (sonication) and 8015 modified (gas chromatograph coupled to a flame ionization detector), and
2. VOC, sample preparation and analysis using EPA Methods 5030 and 8240 (gas chromatograph and mass spectrometer).

The results of the analytical tests for TEH, TOG, VOC and semi-volatile organics are presented on Table 1. The results of analytical tests for heavy metals are presented on Table 2.

Table 1 - RESULTS OF ANALYTICAL TESTS FOR TEH, TOG, VOC and SEMI-VOLATILE ORGANICS

<u>Sample</u>	<u>Total Extractable Hydro-Carbons (ppm)¹</u>	<u>Total Oil and Grease (ppm)</u>	<u>Volatile Organic Compounds (ppm)</u>	<u>Semi-Volatile Organics (ppm)</u>
Composite 1	-- ²	ND ³	--	ND
Composite 2	--	60	--	ND
Composite 3	ND	--	ND	--

¹ Parts per million (mg/kg)

² Not tested

³ None detected, see test data sheets in the Appendix for detection limits