CALIFORNIA ENVIRONMENTAL CONSULTANTS



WASTE PROGRAM

Mr. Dino Gonis President West Coast Tank Testing 5899 Santa Teresa Blvd. Suite 117 San Jose, CA 95123

Refer. : 1. Soil And Cround Water (leab) Sampling;

2. Soil Emmplian of Adrated brook Pales; At

2345 Mast 14th Street, Oakland, California.

Dear Mr. Gonis:

At your request, California Environmental Consultants (CEC), collected soil and ground water (grab) samples from three soil borings, located adjacent to the excavated tank area, at Taxi-Taxi Stand, 2345 East 14th, Street, Oakland, California.

The three aerated stock piles of excavated soil from the underground tank areas was also sampled.

1. Soil and Ground Water (Grab) Sampling:

Based upon the reasonably assumed geohydrologic site conditions, two soil borings (B1 & B2) were located downgradient and/or transgradient and as close as possible to the excavated underground gasoline tank area. Third soil boring (B3) was located downgradient and/or transgradient of excavated was to oil tank area. Due to limitted site clearence for the truck mounted drilling rig, soil boring B3, could not be located close to the excavated waste oil tank area.

The location of the soil borings and excavates than across an shown in the enclosed site plan, Wigure 1.

Hollow stem auger and split-spoon sampling satt-up was employed at this site. Upon reaching first available ground water, grab samples were collected by using clear lucite bailer. For specific drilling, soil and ground water sampling details, please see Appendix A.

During soil sample collection, soils were logged and any peculiar

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change in soil color and or odor, if any, suggesting possible contamination were noted (Appendix B).

Soon after sample collection, the ends of brass sleeves containing soil samples were aluminum wrapped, capped, taped, labeled and placed in on-site ice chest, containing Blue Ice.

Air free ground water samples (grab) from each boring location were collected in two 40 milliter volatile organic analysis (VOA) glass bottles, fitted with teflon lined screw caps.

Soil and water samples accompanied by Sample Chain of Custody Records, were sent on ice, directly from the site to a State Certified Hazardous Waste Testing Laboratory.

2. Soil Sampling Of Aerated Stock Piles:

CEC collected three soil samples from the three existing aerated stock piles. The stock piles are reported to have been aerated at site and are proposed to be used as brackfill in the excavated trench areas.

Soil samples SP-1, SP-2 (from gasoline stock-pile area) and SP-3 (from waste oil stock-pile area) were sent on ice to the Hazardous Waste Testing Laboratory, accompanied by Sample Chain Of Custody Records.

Analytical Tests:

Appendix C includes a copy of chain of custody records with appropriate required analytical tests.

Aerated soil samples SP-1 and SP-2 (from the gasoline stock-pile area) and two soil samples (B1-15 & B2-15) from 15 feet depths (corresponding to soil-ground water interface) collected adjoining the gasoline tank area were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH G) by GCFID technique; EPA Test Method 5030 and 8015. These samples were also analyzed for Benzene, Toluene, Xylenes & Ethylbenzene (BTX&E) by EPA Test Method .8020. Corresponding water samples collected from borings B1 and B2 (B1-W & B2-W) were analyzed for TPH G (EPA Method 5030 and 8015); and BTXE (EPA Test Method 602).

Aerated soil sample SP-3 (from the waste oil stock-pile area) and soil sample B3-15 and water sample B3-W adjoining waste oil tank area were analyzed for Total Petroleum Hydrocarbons as Gasoline & Diesel (TPH G&D) by GCFID (5030) techinque; Chlorinated



Hydrocarbons (CL HC; soil -8010 and water -601); BTXE (soil -8020 and water -602); and Oil and Grease (0 & G; 503D&E).

Analytical Results:

A copy of the analytical test results, as received from the laboratory is enclosed, Appendix C.

Gasoline Tank Area:

Soils from the aerated stock piles adjacent to the gasoline tank area, indicated concentration of Total Petroleum Hydrocarbon as Gasoline varying from trace (1.3 parts per million; ppm) to a low of 13 ppm.

In soil sample B1-15, Total Petroleum Hydrocarbons as Gasoline (TPH G), Benzene (B) and Xylenes (X) were detected at trace concentration levels of 3.4 parts per million (ppm), 0.31 ppm, and 0.14 ppm, respectively. Soil sample B2-15, indicated concentration levels of TPH G, BTX&E at detected levels of 83 ppm, 1.6 ppm, 1.1 ppm, 1.8 ppm, and 9.6 ppm, respectively.

Grab water samples B1-W and B2-W indicated presence of TPH G, BTX&E at concentration levels of 67,000 parts per billion (ppb), 14,000 ppb, 2400 ppb, 2500 ppb, 9100 ppb and 110.000 ppb, 17,000 ppb, 2600 ppb, 3000 ppb and 12,000 ppb, respectively.

Wast Oil Tank Area:

Aerated stock pile sample CP-3 indicated a high concentration level of Total Oil (as Oil and Grease) at detected level of 13,00 parts per million.

Soil sample B3-15 collected from the waste oil tank area showed concentration levels of Oil & Grease (O & G) at 88 milligrams per kilogram (equivalent of 88 ppm). BTX&E were also detected at concentration levels of 360 ppb, 650 ppb, 470 ppb and 850 ppb, respectively.

Water sample from this location (B3-W) indicated 0 & G at concentration level of 290 miligram per liter (equivalent of 290 ppm). BTX&E were detected at concentration levels of 490 ppb, 160 ppb, 770 ppb and 1,300 ppb, respectively.

No chlorinated hydrocarbons were detected either in soil and or ground water samples and are shown by "N.D' (not detected) symbol in front of each chemical compound in the analytical report (Appendix C).



Conclusion:

The detected levels of petroleum hydrocarbons and associated products are above the California Regional Water Quality Control Board's action levels.

Based upon the test results of the three soil and ground water (grab) samples collected adjoining the excavated tank areas, conclude that soil and shallow water adjacent adjacent to the tank locations have been impacted. Considering the high concentration levels, site remediation efforts (soil removal, onsite treatment- aeration, ground water monitoring and pumping, if necessary) would need to be carried out at this site.

Aerated soil stock piled adjacent to the gasoline tank area do indicate varying concentration level of hydrocarbons. Additional aeration is likely to lower the detected levels of hydrocarbons. High concentration of oil and grease are detected in the aerated stock pile adjacent to the waste oil area. This stock pile is recommended not to be used as a backfill in the trench area.

Additional soil and water samples are recomended to be collected to define the spread of contaminatimants, both laterally and vertically.

recommend that all the concerned regulatory agencies inclunding the Alameda Health Care Services (Hazardous Materials Division) be notified of the present test results.

Should you have any questions regarding this report, please let us know. We will be glad to assist you.

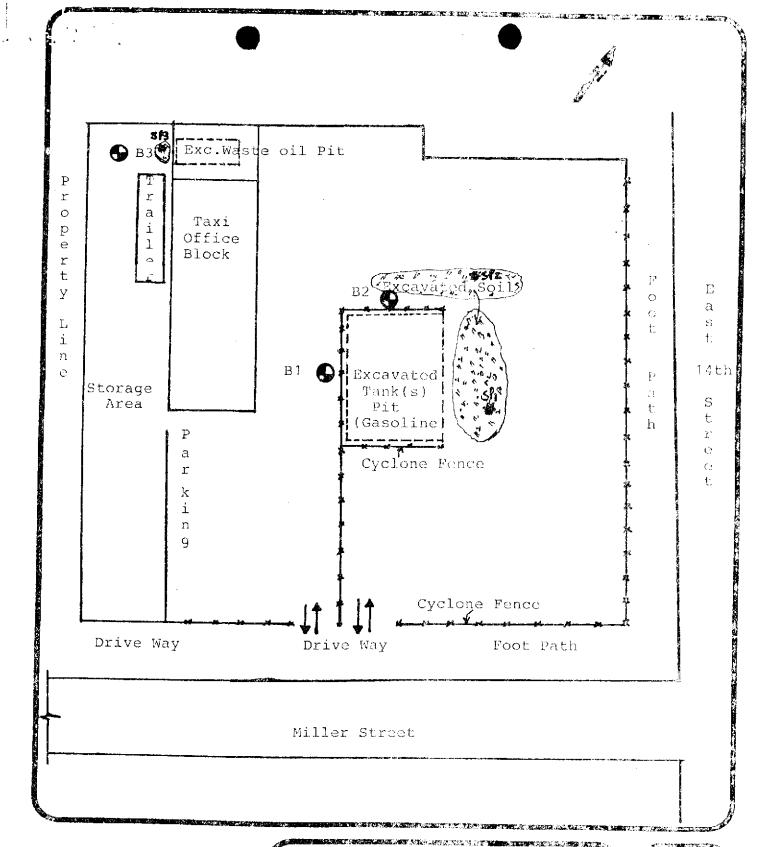
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CALIFORNIA ENVIRONMENTAL CONSULTANTS

Sr. Hydrogeologist

(CGP No. 222)

Tanweer Shah Geoenvironmental Engineer





Site Plan Flowing and Jon of Page Borings at 2,43 had with Strone, Oakland, CA. Scale 1"=25'



CALIFORNIA ENVIRONMENTAL CONSULTANTS

DRILLING - SOIL SAMPLING - GROUND WATER (grab) SAMPLING:

Per recommended procedures outlined by the California Regional Water Quality Control Board of San Francisco Bay Region (CRWQCB-SFBR) and the guidelines established by the Santa Clara Valley Water District (SCVWD) and Leaking Underground Fuel Tank Field Manual (LUFT) prepared by the State Water Resources Control Board, the field procedures for drilling and loging of the soil borings and collecting of soil and ground water (grab) samples were followed.

DRILLING

Drilling of soil borings was performed by using the hollow-stem auger method. With the hollow-stem auger method, a center stem and bit (attached to the stem) was inserted into the hollow auger, while drilling. This set-up prevents the drill cuttings from entering into the hollow-stem auger. An eight inch hollow-stem auger (outside diameter) was used at the dill site.

SOIL SAMPLING

Upon reaching a predetermined sampling interval, the center stem and bit was removed, leaving the hollow-stem auger in place. A split-spoon sampler containing clean brass sleeves, was inserted. After obtaining the soil sample from the appropriate depth, the center stem and bit was replaced and drilling resumed.

The drilling auger, all boring tools and samplers were washed and steam cleaned prior to the start of drilling. At each boring location clean augers, cutting bit, stems and soil samplers were used. Soil samplers containing brass sleeves were cleaned with trisodium phosphate (TSP) solution followed by a rinse of distilled water, after each sampling interval.

Soil samples collected during drilling operation were collected at every 5 feet intervals, upto soil-water interface. Soil samples were logged at site and any peculiar colors/stains and/or any odor suggesting possible contamination, were noted. The relatively undisturbed soil samples collected in the clean brass sleeves were immediately aluminum wrapped, capped, tapped, labeled and placed in on-site ice-chest containing Blue Ice. Since samples were analyzed for volatile and semi-volatile organic organic compounds, soil samples sent to a State Certified Hazardous Waste Testing Laboratory, accompanied by Sample Chain of Custody Records, maintained refrigeration.



GROUND WATER (grab) SAMPLING:

After completion of drilling of soil boring upto soil-ground water interface, grab water samples were collected. A clean two-inch diameter teflon bailer was used for retreiving of grab water samples. At each boring location, the water samples were collected in two 40 mililiter volatile organic analysis (VCA), glass bottles, fitted with teflon lined screw caps. Air free water samples, were labeled and immediately placed in on-site ice-chest, containing Blue Ice. Water samples accompanied by Sample Chain of Custody Records, maintained refrigeation, untill their delivery to a State Certified Hazardous Waste Testing Laboratory.

The sampler (teflon bailer) was thoroughly cleaned in TSP and distilled water, prior to moving from one boring location to another. Any detectable sheen and /or odor/color, if any, was noted.

	E	XPLC	LOG PRAT		ВС	OR	ING	PROJECT No CEC/SB CASE 2 Oct 3,88 BORING No CLIENT West Coal Tank Testing B1 LOCATION 2345 East 14th Street Shoot 1 LOGGED BY DRILLEN Hew Drilling of Shoot 1
Ground	15-101-4°	poring:	6 Exc.	REXESPOND BUT SOIL	124 Pet	EAST 14 ST		Oriffing method Solid Stem Auger CME-55 Mobile Drill Riq Molacis 6 inches Casing Installation data
Pochet Torr vane	Peckel Penetrometer TSF	Slows/ff. or Pressure PSI	TO SET OF	20 00 00 00 00 00 00 00 00 00 00 00 00 0	sia o	Scmple.	Symbol (U.S.C.S.)	Water fevel ♥ 19 ft
			1.94 dia sleev	inch hrass es	1 1		CL	0-0" Asmalt/Fasc rook Damp silty clay. Soft and Blackinh
		3 3 6	R1-5				CL	Blackish silty clay, soit to med.stift with gasoline odor.
		4 8					7.7	
		10	B1-1(10		CL	Damp greenish to Black silty clay W/ some sand content. Slight discoloration observed.Med. stiff w/ gasoline odor.
		15 13 18	R1_1		15		CL &SM	Moist greenish silty sandy clay w/ fines Med.stiff to stiff w/ slight discoloration
					-		y	Ground water encountered at 19 feet. Boring bottom.
CA	LIFC	RNI	A	PPY VALL	EY.	VI	RON NUE • S	IMENTAL CONSULTANTS AN JOSE, CA 85129 • (408) 725-2644

) c	XPLC		ORY)R	ING	PROJECT No CEC/SBN 698 2 Oct 3,88 BORING No CLIENT West Coast Tank Testing B2 LOCATION 2345 East 14th Street LOGGED SYTS DRILLER Hew Drilling of 1
Ground	The state of the s	A.L.	Ext: Gasalina Tombs	Exercit	Foot Park	1 Enright		Drilling method Solid Stem Auger CME-55 Mobile Drill Rig Mote dia Ainches Cosing Installation data
Pocket for vane	Perchet Penotrometer TSF	Blows/fl.	Type of general	M Labor	Depth	Semple	Symbol (U.S.C.S.)	Water level ▼ 19 ft
	<u> </u>	A	1 0 4	i n a b	Ft			DESCRIPTION 0-9" Asphalt/Base rock
				inch brass]			0-9 Aspiratt/base fock
			sleev	es			i	Black silty clay w/ gasoline odor.pamp
		3		~ ~ ~ ~ ~				
		7	DO F	Donal McAller (Decree	1 5 1 2 3		Ci	Black to speenish sitty clay w/ gasofine oits. Dasa, soft to mad.still.
			THE STATE OF THE STATE OF	e a Lobada (Lengua IIII). A se an Lobada (Lengua IIII). Esta (Lengua IIIII). Esta (Lengua IIII). Esta (Lengua IIII). Esta (Lengua IIII). Esta (Lengua IIII). Esta (Len				
		3	, 100 M					
		8 10	B2-1(10		CL	Greenish, soft to med.stiff silty clay
								w/ some sand. Slight discoloration and damp.
						彐		
		10				ス		
		15 _15	B2-1		15		CL	Greenish to brown silty clay w/ some sand
							\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Med. stiff and Damp.Slight discoloration observed.
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					}	\exists	v	Water encountered at 19 feet.Boring bott
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		P D. P.	L		•			
LA	LIFO	RNI	Ц 117 Нар	LAV YG	. N	VII	RON	MENTAL CONSULTANTS AN JOSE, CA 95129 • (408) 725-2644

JE TO THE STATE OF	States and the state of the sta		DRAT	De sid	BC 7 T	RING 大 大 大 大 大	PROJECT No CRC / P 2 care 2 Oct 3, 88, Borning No CLIEN West Con Tank Testing B3 LOCATION 2345 East 19th Street LOCATION TS DRILED How Drilling Sheet LOCATION SOLID STAR Auger CME-55 Mobile Drill Rig Mole die 6 inches
Ground Standard	Personal Per	Present Pal	Type of	Some is		Soft Group Symbol (U.S.C.S.)	DESCRIPTION
			1.94 dia slooy	inch brass es		CL	0-9" Asphalt/Base rock, dry. Dry to damp black silty clay w/ sind: Some discoloration(reddish) & oily odor
		2 3	B3-5		5	CT	Blackish to brown damp silty clay,soft. w/ some reddish sand.
		2 3 7	B3_1		10	CL	Damp.brown silty clay w/ redaish mand salt to med.stiff. Olly odor
		5 8 12	B31		15]	Damp.greenish and brown silty clay w/ Ti Med.stiff. Oily odor. Some discoloration observed.
						•	Water encountered at 21 feet.Boring bott
CA	LIFO	1	117 HAP	PY VALLE	EY AV	IRON ENUE • SA	MENTAL CONSULTANTS AN JOSE, CA 95129 • (408) 725-2644

CALIFORNIA ENVIRONMENTAL CONSULTANTS

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	CHAIN OF SAMPLE CUSTODY RECORD
	Collector: Januar Shoh Date Sampled: 10:03:88 Time: Location of Sampling: 2345 East 14 Street
	Project Number: CEC/SBW 9.88.2 Survey Number: Sample Type: Soil Container Type and Condition: Brass Sleeves 2 and 6 and form in Lee
	Contract Laboratory Record/Name SEQ VOIA AMAUTICAL LAB 2549 Middle field light words
	Sample ID B, -15' Soul Soundle four bound by four 15 do fell
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	B3-15' Soul Sample fran Born B3 Don 15 dapth
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	Analysis Requested Analyse and pantles individually by:
	D Total Petrolum Hydro Carbons TPHG, EPA Tet Muthar 503 B, T, X & E by EPA Tet Multiped 8020
	(II) Analyse B3-15 by @ ENA 5030 @ ENA Methres 8010 and 8020.
	Results Needed By: 3 Only Grean 503 D & F.
	Travel Blank: Duplicate Samples: Yes No Duplicates to be Analyzed Separately: Field Blank: Dyes No Background Soil Sample: Travel Blank to be Analyzed Separately: Dyes No Background Soil Sample to be Analyzed Separately: Yes No Background Soil Sample to be Analyzed Separately: Tyes No Background Soil Sample to be Analyzed Separately: Tyes No
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	Thre byass Shewes - 2/6 dia 2 langlar) 1117 HAPPY VALLEY AVENUE · SAN JOSE, CA 95129 · (408) 725-2644



(415) 364-9222 · FAX (415) 364-9233

California Environmental Consultants

1117 Happy Valley Avenue

San Jose, CA 95129 Attn: Munir Butt

Date Sampled: Date Received:

10/03/88

Date Analyzed:

10/03/88

Date Reported: .10/31/88

10/12/88

Project:#CEC-SBW 9-88-2

TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTEX DISTINCTION

Sample Number	Sample Description Soil	Low to Medium Boiling Point <u>Hydrocarbons</u> ppm	Benzene ppm	Toluene ppm	Ethyl Henzene ppm	Xylenes ppm
8100025	B1-15'	3.4	0.31	N.D.	N.D.	0.14
8100026	B2-15'	83	1.6	1.1	1.8	9.6

Detection Limits:

1.0

0.05

0.1

0.1

0.1

Method of Analysis: EPA 5030 or 3810/8015/8020

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

The second secon

Arthur G. Burton

Laboratory Director



California Environmental Consultants 1117 Happy Valley Avenue San Jose, CA 95129 Attn: Munir Butt

Date Sampled: 10/03/88
Date Received: 10/03/88
Date Extracted: 10/06/88
Date Reported: 10/31/88

Project: #CEC/SBW 9-88-2

TOTAL OIL AND GREASE

Sample Number	Sample Description Soil	Detection Limit mg/kg	Gravimetric Petroleum Oil mg/kg
8100027	B3-15'	30	88

Method of Analysis: EPA 3550 with trichlorotrifluoroethane and gravimetric determination.

Analytes reported as N.D. were not present above the stated limit of detection.

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680 Chesapeake Drive • Redwood City, CA 94063 (415) 364-9222 • FAX (415) 364-9233

California Environmental Consultants

1117 Happy Valley Avenue

San Jose, CA 95129 Attn: Munix Butt Date Sampled: 10/03/88
Date Received: 10/03/88
Date Analyzed: 10/06/88
Date Reported: 10/31/88

Project: #CEC/SBW 9-88-2

HALOGENATED VOLATILE ORGANICS

Sample Number 8100027

Sample Description

Soil, B3-15'

Analyte	Detection Li	mit	Sample Results
	μg/kg		µg/kg
Bromodichloromethane	25		N.D.
Bromoform		•••••	N.D.
Bromomethane	. 25	• • • • • • • • • •	N.D.
Carbon tetrachloride	. 25	*******	N.D.
Chlorobenzene	. 25		N.D.
Chloroethane	. 130	********	N.D.
2-Chloroethylvinyl ether	. 25		N.D.
Chloroform	. 25	* * * * * * * * * * * * *	N.D.
Chloromethane			N.D.
Dibromochloromethane			N.D.
1,2-Dichlorobenzene	. 50		N.D.
1,3-Dichlorobenzene	50	K to at Ma at it appropries as a	N.D.
1,4-Dichlorobenzene	. 50	4 4 4 4 4 4 4 4 4 4 4 4 4 4	N.D.
1,1-Dichloroethane	2.5	а в соф ж.к.с. ф у	N.D.
1,2-Dichloroethane	. 25		N.D.
1,1-Dichloroethene	. 25		N.D.
trans-1,2-Dichloroethene	. 25		N.D.
1,2-Dichloropropane	. 25	*******	N.D.
cis-1,3-Dichloropropene	. 25		N.D.
trans-1,3-Dichloropropene	. 25		N.D.
Methylene chloride	. 50		N.D.
1,1,2,2-Tetrachloroethane	_ 25		N.D.
Tetrachloroethene	. 25		N.D.
1,1,1-Trichloroethane	. 25		N.D.
1,1,2-Trichloroethane	. 25		N.D.
Trichloroethene	. 25		N.D.
Trichlorofluoromethane	. 25		N.D.
Vinyl chloride			N.D.

Method of Analysis: EPA 5030/8010 Analytes reported as N.D. were not present above the stated limit of detection.

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(415) 364-9222 · FAX (415) 364-9233

California Environmental Consultants 1117 Happy Valley Avenue

San Jose, CA 95129 Attn: Munir Butt

10/03/88 Date Sampled: Date Received: 10/03/88 Date Analyzed: 10/06/88 Date Reported: 10/31/88

Project: #CEC/SBW 9-88-2

AROMATIC VOLATILE ORGANICS

Sample Number

8100027

Sample Description

Soil, B3-15'

Analyte	Detection Limit	Sample Results
	μg/kg	μg/kg
Benzene	25	•••• 360
Chlorobenzene	25	N.D.
1,4-Dichlorobenzene	50	N.D.
1,3-Dichlorobenzene	50	N.D.
1,2-Dichlorobenzene	50	N.D.
Ethyl Benzene	25	470
Toluene	25	650
Xylenes))) • • •	850

Method of Analysis: EPA 5030/8020

Analytes reported as N.D. were not present above the stated limit of detection.

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Arthur G. Burton

Laboratory Director

Cr		AMPLE CUSTOLS DECORD	
Collector: January	en Short	Date Sampled: 10.03.88. Time:	2-30pm
Location of Sampling: _	2345 Pas	- Ath Street	
Location of Sampling. =	Oakland,	CA:	
Project Number:			
Sample Type: 47	, Tround	water,	
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Contract Laboratory Rec	ord/Name: SEEX	usio Analytical Col, 2549 Middle for	Why lunger Ch
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Sample ID		Field Information	1 - 0
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- lat		Prouse World South from	
- D3-N	La Ford	Your World Somple from	76000
			
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Analysis Requested:	G T	ENA For Method 5030	- 1) L VV
(D) R 7	<u> </u>		
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(T) Analy o	meti 80	andle B2-WI by:	
	ENA Mel	5030 and	
Results Needed By: (2)			503686
	/		
Travel Blank:	□ Yes 🖒 No	Travel Blank to be Analyzed Separately:	⊕ Yes ☐ No
Duplicate Samples:	☐ Yes ☐ No	Duplicates to be Analyzed Separately:	□ Yes □ No
Field Blank:	□ Yes □ No	Field Blank to be Analyzed Separately:	⊡ Yes ⊕No
Background Soil Sample:	□ Yes 申 No	Background Soil Sample to be Analyzed Separa	tely: □ Yes 🗇 No
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Chain of Custody:		- A A	. 1 9
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1117 HAPPY VALLEY AVENUE + SAN JOSE, CA 95129 + (408) 725-2644



California Environmental Consultants 1117 Happy Valley Avenue San Jose, CA 95129 Attn: Munir Butt

Date Sampled: 10/03/88
Date Received: 10/03/88
Date Analyzed: 10/06/88
Date Reported: 10/31/88

Project: #CEC-SEW 9-88-2

TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTEX DISTINCTION

Sample Number	Sample <u>Description</u> Water	Low to Medium Boiling Point <u>Hydrocarbons</u> ppb	<u>Benzene</u> ppb	Toluene ppb	Ethyl Benzene ppb	Xylenes ppb
8100017	Bl-W	67000	14000	2400	2500	9100
8100018	B2-W	110000	17000	2600	3000	12000

Detection Limits:

50

0.5

0.5

0.5

0.5

Method of Analysis: EPA 5030/8015/8020

Analytes reported as N.D. were not present above the stated limit of detection.

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Arthur G. Burton

Laboratory Director

California Environmental Consultants

1117 Happy Valley Avenue

San Jose, CA 95129 Attn: Munir Butt Date Sampled: 10/03/88

Date Received: 10/03/88
Date Extracted: 10/28/88

Date Reported: 10/31/88

Project: #CEC/SBW 9-88-2

TOTAL OIL AND GREASE

Sample Number	Sample Description	Detection Limit	Gravimetric Petroleum Oil
	Water	ppm	ppm
8100019	B3-W	5.0	290

Method of Analysis: EPA 3550 with trichlorotrifluoroethane and gravimetric determination.

Analytes reported as N.D. were not present above the stated limit of detection.

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680 Chesapeake Drive • Redwood City, CA 94063 (415) 364-9222 • FAX (415) 364-9233

California Environmental Consultants

1117 Happy Valley Avenue

San Jose, CA 95129 Attn: Munir Butt Date Sampled: 10/03/88
Date Received: 10/03/88

Date Analyzed: 10/06/88 Date Reported: 10/31/88

Project: #CEC/SBW 9-88-2

HALOGENATED VOLATILE ORGANICS

Sample Number

8100019

Sample Description

Water, B3-W

Analyte	Detection	Limit	Sample Results
	μg/L	•	μg/L
Bromodichloromethane	50		. N.D.
Bromoform	50		N.D.
Bromomethane	•• 50		N.D.
Carbon tetrachloride	•• 50		N.D.
Chlorobenzene	50		N.D.
Chloroethane	250		N.D.
2-Chloroethylvinyl ether	50	,	N.D.
Chloroform	25		N.D.
Chloromethane	25		N.D.
Dibromochloromethane	25		N.D.
1,2-Dichlorobenzene	100		N.D.
1,3-Dichlorobenzene	100		N.D.
1,4-Dichlorobenzene	100	*******	. N.D.
1,1-Dichloroethane	25		N.D.
1,2-Dichloroethane			N.D.
1,1-Dichloroethene	50		N.D.
trans-1,2-Dichloroethene	50		. n.D.
1,2-Dichloropropane	25	*******	N.D.
cis-1,3-Dichloropropene	250		N.D.
trans-1,3-Dichloropropene	ጎርለ		. N.D.
Methylene chloride			. N.D.
1,1,2,2-Tetrachloroethane			. N.D.
Tetrachloroethene			. N.D.
1,1,1-Trichloroethane	25		. N.D.
1,1,2-Trichloroethane			. N.D.
Trichloroethene			. N.D.
Trichlorofluoromethane			-
Vinyl chloride	* 0.0	******	

Method of Analysis: EPA 5030/8010

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton Laboratory Director

CONTRACTOR OF THE PARTY OF THE



California Environmental Consultants 1117 Happy Valley Avenue

San Jose, CA 95129

Attn: Munir Butt

Date Sampled: 10/03/88

Date Received: 10/03/88 Date Analyzed: 10/06/88 Date Reported: 10/31/88

Project: #CEC/SBW 9+88-2

AROMATIC VOLATILE ORGANICS

Sample Number 8100019

Sample Description

Water, B3-W

Analyte	Detection Limit	Sample Results
	пд/Г	μg/L
Benzene	25	490
Chlorobenzene	50	N.D.
1,4-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,2-Dichlorobenzene	100	N.D.
Ethyl Benzene	25	7 70
Toluene	25	160
Xylenes	25	1300

Method of Analysis: EPA 5030/8020

A CONTRACTOR OF THE PROPERTY O

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY



CHAI	N OF SAMPLE CUSTODY RECORD
Collector: Janmeer &	Date Sampled: 11:02:88 Time: 11-A-M
Location of Sampling: 23.	45 Fast 14" Street.
Da	example, CH:
Project Number: CEC/S Bir	Survey Number:
I Communica Tiumini — — — — — I	
Container Type and Condition:	Brass Sleeves 2 mch of 6 mch long on the
Contract Laboratory Record/N	Bross Sleeves 2 with of 6 milloring on the ame: SEQUOIA ANALYTICAL LOB, 680 Chesapeakery, Reducate
Sample ID	Field Information
	Soil Sample from aerater file 1 (Gorlin
SP2	Soil Sample from alroter Pile 2 Prints
SP5	Soil sample from acrater Pile 3 (Ward.
DBTX2E by F	Jose SP, + SP2 law pres vide videoly by: JOSE Carlons TPH G Eggs / Test Mayor 15030 TEAM MAN 8020
1) Analyse SP3 by	(1) 2ft 5630 (2) 2ft 8010 28020 (1) 300 OFF.
Results Needed By:	OVEMBER 4,88 (48 HOUR KUSH!)
Duplicate Samples: ☐ Yes Field Blank: ☐ Yes	No Travel Blank to be Analyzed Separately: ☐ Yes ☐ No ☐ Duplicates to be Analyzed Separately: ☐ Yes ☐ No ☐ Yes ☐ No ☐ No ☐ Field Blank to be Analyzed Separately: ☐ Yes ☐ No ☐ Yes ☐ Ye
Background Soil Sample:	No Background Soil Sample to be Analyzed Separately: () Yes No
Chain of Custody:	S Nov 2, 88
Field Personnel 2	May Date
3 Ron &	11/2/88 10.55 AV
(Three bross Sleeves -	2"/6" dia Henry
1117 HAPFY	VALLEY AVENUE • SAN JOSE, CA 95129 • (408) 725-2644



Californía Environmental Consultants

1117 Happy Valley Avenue

San Jose, CA 95129 Attn: Munir Butt

Date Sampled: 11/02/88 Date Received: 11/02/88

Date Analyzed: 11/03/88 Date Reported: 11/07/88

Project: CEC/SBW9.88.2.1

TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTEX DISTINCTION

Sample	Sample	Low to Medium Boiling Point	Ethyl			
Number	<u>Description</u> Soil	<u>Hydrocarbons</u> ppm	Benzene ppm	<u>Toluene</u> ppm	Benzene ppm	<u>Xylenes</u> ppm
8110126	SPl	1.3	N.D.	N.D.	N.D.	N.D.
8110127	SP2	13	N.D.	N.D.	N.D.	N.D.

Detection Limits:

1.0

A STATE OF THE PERSON OF THE P

0.05

0.1 0.1

0.1

Method of Analysis: EPA 5030 or 3810/8015/8020

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton

Laboratory Director



680 Chesapeake Drive + Redwood City, CA 94083 (415) 364-9222 + FAX (415) 364-9233

California Environmental Consultants

1117 Happy Valley Avenue San Jose, CA 95129

Attn: Munir Butt

Date Sampled: 11/02/88

Date Received: 11/02/88

Date Analyzed: 11/03/88
Date Reported: 11/07/88

Project: CEC/SBW9.88.2.1

HALOGENATED VOLATILE ORGANICS

Sample Number

8110128

Sample Description

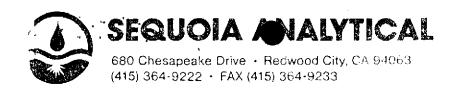
Soil, SP3

Analyte	Detection L	<u>imít</u>	Sample Results
	µg/kg		μg/kg
Bromodichloromethane		• • • • • • • • • •	. N.D.
Bromoform			. N.D.
Bromomethane			. N.D.
Carbon tetrachloride			. N.D.
Chlorobenzene		* * * * * * * * * *	. N.D.
Chloroethane			. N.D.
2-Chloroethylvinyl ether			. N.D.
Chloroform	. 5.0		. N.D.
Chloromethane	. 5.0		. N.D.
Dibromochloromethane	. 5.0		. N.D.
1,2-Dichlorobenzene	. 10		. N.D.
1,3-Dichlorobenzene	. 10		. N.D.
1,4-Dichlorobenzene	. 10		. N.D.
l,l-Dichloroethane	. 5.0		. N.D.
1,2-Dichloroethane	. 5.0		. N.D.
1,1-Dichloroethene	. 5.0		. N.D.
trans-1,2-Dichloroethene			. N.D.
1,2-Dichloropropane			. N.D.
cis-1,3-Dichloropropene	. 5.0		. N.D.
trans-1,3-Dichloropropene	5.0		. N.D.
Methylene chloride	. 10		. N.D.
1,1,2,2-Tetrachloroethane	. 5.0	• • • • • • • • •	. N.D.
Tetrachloroethene	. 5.0		N.D.
1,1,1-Trichloroethane	5.0		. N.D.
1,1,2-Trichloroethane	. 5.0	,,,,,,,,,,	. N.D.
Trichloroethene	. 5.0		. N.D.
Trichlorofluoromethane	5.0		. N.D.
Vinyl chloride	. 10		. N.D.

Method of Analysis: EPA 5030/8010

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY



California Environmental Consultants 1117 Happy Valley Avenue San Jose, CA 95129 Attn: Munir Butt

Date Sampled: 11/02/88
Date Received: 11/02/88
Date Analyzed: 11/03/88
Date Reported: 11/07/88

Project: CEC/SBW9.88.2.1

AROMATIC VOLATILE ORGANICS

ample Number

8110128

Sample Description

Soil, Sp3

nalyte	Detection Limit		Sample Results	
	μg/kg		μg/kg	
enzene	5.0	• • • • • • • •	N.D.	
hlorobenzene	5.0		H.D.	
,4-Dichlorobenzene	10	* * * * * *	H.D.	
,3-Dichlorobenzene	10		1 11.	
,2-Dichlorobenzene	10	* * * * * * * * *	i. D.	
thyl Benzene	5.0	*******	N - D -	
oluene	5.0	******	N.D.	
ylenes	5.0		N.D.	

ethod of Analysis: EPA 5030/8020 nalytes reported as N.D. were not present above the stated limit of detection.

QUOIA ANALYTICAL LABORATORY

California environmental Consultants 1117 Happy Valley Avenue San Jose, CA 95129 Attn: Munir Butt

 Date
 Sampled:
 11/02/88

 Date
 Received:
 11/02/88

 Date
 Extracted:
 11/02/88

 Date
 Reported:
 11/07/88

Froject: CEC/SSW9_86.2.1

TOTAL CIL AND GREASE

Sample <u>Number</u>	Sample <u>Description</u> Soil	Detection Limit mg/kg	Gravimetric Petroleum Oil mg/kg
8110128	SP3	30	1300

Method of Analysis: EPA 3550 with trichlorotrifluoroethane and gravimetric determination.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY