

TABLE 1

CUMULATIVE SUMMARY OF LABORATORY ANALYTICAL RESULTS
 OF SOIL SAMPLES
 CANTERBURY DEVELOPMENT
 OLYMPIC AVENUE
 HAYWARD, CALIFORNIA

*Geo analytical lab.
 method
 8150 - for samples
 1-6*

*organic chlorine
 pesticide*

air release

Sample ID	Date Sample	Sample Depth (ft.)	TPHg mg/Kg	TPHd mg/Kg	TEPH mg/Kg	BTEX µg/Kg	MTBE µg/Kg	TRPH mg/Kg	HVOs µg/Kg	SVOs µg/Kg	Metals/ RCI mg/Kg	Pesticides/ PCBs µg/Kg
1-4	2/26/98	4	<1.0	<1.0	NA	NA	NA	<50	<5 to <50	NA	NA	NA
1-19	2/26/98	19	<1.0	<1.0	NA	NA	NA	<50	<5 to <50	NA	NA	NA
2-4	2/26/98	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-6	2/26/98	6	<1.0	<1.0	NA	NA	NA	<50	<5 to <50	NA	NA	NA
3-4	2/26/98	4	<1.0	3.4	NA	NA	NA	130 ✓	<5 to <50	NA	NA	NA
3-7	2/26/98	7	<1.0	<1.0	NA	NA	NA	<50	<5 to <50	NA	NA	NA
3-13	2/26/98	13	<1.0	3.2	NA	NA	NA	<50	<5 to <50	NA	NA	NA
4-4	2/26/98	4	<1.0	5.3	NA	NA	NA	<50	<5 to <50	NA	NA	NA
4-5.5	2/26/98	5.5	<1.0	<1.0	NA	NA	NA	<50	<5 to <50	NA	NA	NA
4-11.5	2/26/98	11.5	<1.0	<1.0	NA	NA	NA	<50	<5 to <50	NA	NA	NA
1	2/26/98	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 to <10
2	2/26/98	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 to <10
3	2/26/98	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.7
4	2/26/98	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.6
5	2/26/98	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 to <10
6	2/26/98	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0 to <10
1-4 (COMP) (UST)	3/4/99	5	NA	NA	NA	NA	NA	NA	NA	NA	React: ND pH: 8.4 Ignit.: >100	NA
2 (UST)	3/4/99	5	NA	NA	NA	<100	NA	NA	680	<100 to <2,500	Cd: <0.5 Cr: 26 Pb: <1.0 Ni: 26 Zn: 22	<20 to <80 ND = PCBs
3 (UST)	3/4/99	5	NA	NA	NA	<100	NA	NA	<100 to <500	<100 to <2,500	Cd: <0.5 Cr: 29 Pb: <1.0 Ni: 40	<20 to <80 ND = PCBs

*NA ND for P800A
 21 - heptachlor*

NA ND for P800A

NA 4.8 DDE

<2.0 to <10 ND

40.7 800A total

2.6 DDE

ND 826

ND 826

ND = PCBs 8080

ND = PCBs 8080

TABLE 1 (CONTINUED)

Sample ID	Date Sample	Sample Depth (ft.)	TPHg mg/Kg	TPHd mg/Kg	TEPH mg/Kg	BTEX µg/Kg	MTBE µg/Kg	TRPH mg/Kg	HVOs µg/Kg	SVOs µg/Kg	Metals/ RCI mg/Kg	Pesticides/ PCBs µg/Kg
4 (UST) <i>Sludge</i>	3/4/99	5	NA	420	3,600	NA	NA	NA	NA	NA	Zn: 59 NA	NA
1 (UST)	4/14/99	4	<1.0	200	NA	0.008	16	550	<5 to 76	<330 to <1700	Cd: <5.0 Cr: 14 Pb: <5.0 Ni: 16 Zn: 28	<2.0 to <10
2 (UST)	4/14/99	9	<1.0	<1.0	NA	<5.0	<5.0	<25	<5 to <20	<330 to <1700	Cd: <5.0 Cr: 27 Pb: <5.0 Ni: 35 Zn: 46	NA
3 (UST)	4/14/99	12	<1.0	<1.0	NA	<5.0	23	<25	<5 to <20	<330 to <1700	Cd: <5.0 Cr: 29 Pb: <5.0 Ni: 35 Zn: 52	NA
4 (UST)	4/14/99	8	<1.0	1.3	NA	<5.0	12	<25	<5 to <20	<330 to <1700	Cd: <5.0 Cr: 24 Pb: <5.0 Ni: 29 Zn: 45	NA
5 (UST)	4/14/99	11	<1.0	<1.0	NA	<5.0	<5.0	<25	<5 to <20	<330 to <1700	Cd: <5.0 Cr: 27 Pb: <5.0 Ni: 34 Zn: 44	NA
1-6	5/4/99	6	<1.0	4.1	NA	<5.0	<10	<50	<5.0	NA	Pb: <5.0	NA
2-6	5/4/99	6	<1.0	<1.0	NA	<5.0	<10	<50	<5.0	NA	Pb: <5.0	NA
3-6	5/4/99	6	<1.0	<1.0	NA	<5.0	<10	NA	<5.0	NA	Pb: <5.0	NA
4-6	5/4/99	6	<1.0	<1.0	NA	<5.0	<10	NA	<5.0	NA	Pb: <5.0	NA
B1	6/16/99	2-3	NA	NA	160	<5.0	<10	220	NA	NA	NA	NA
B2	6/16/99	2-3	NA	NA	320	<5.0	<10	910	NA	NA	NA	NA
B3	6/16/99	2-3	NA	NA	440	<5.0	<10	1100	NA	NA	NA	NA
B4	6/16/99	2-3	NA	NA	410	<5.0	<10	710	NA	NA	NA	NA
B5	6/16/99	2-3	NA	NA	350	<5.0	<10	300	NA	NA	NA	NA
TP1A	6/16/99	5	NA	NA	<10	<5.0	<10	<50	NA	NA	NA	NA
TP2A	6/16/99	5	NA	NA	<10	<5.0	<10	<50	NA	NA	NA	NA

TABLE 1 (CONTINUED) 48-1
w/199

Sample ID	Date Sample	Sample Depth (ft.)	TPHg mg/Kg	TPHd mg/Kg	TEPH mg/Kg	BTEX µg/Kg	MTBE µg/Kg	TRPH mg/Kg	HVOs µg/Kg	SVOs µg/Kg	Metals/ RCI mg/Kg	Pesticides/ PCBs µg/Kg
TP3A	6/16/99	4	NA	NA	<10	<5.0	<10	160	NA	NA	NA	NA
TP4A	6/16/99	5	NA	NA	<10	<5.0	<10	<50	NA	NA	NA	NA
TP5A	6/16/99	5	NA	NA	<10	<5.0	<10	<50	NA	NA	NA	NA
TP6A	6/16/99	5	NA	NA	<10	<5.0	<10	<50	NA	NA	NA	NA
TP7A	6/16/99	4	NA	NA	510	<5.0	<10	500	NA	NA	NA	NA
TP8A	6/16/99	4	NA	NA	600	<5.0	<10	1400	NA	NA	NA	NA
Lot 81 Native	6/22/99	5	NA	NA	<10	<5.0	<10	95	NA	NA	NA	NA
Lot 82 Fill	6/22/99	3	NA	NA	280	<5.0	<10	4100	NA	NA	NA	NA
Lot 77 Fill	6/25/99	4	NA	NA	<10	<5.0	<10	<50	NA	NA	NA	NA
B-1-6	7/2/99	6	<1.0	<1.0	NA	<5.0	<10	<50	<5.0	NA	Cd: 1.1 Cr: 29 Pb: 20 Ni: 42 Zn: 37	NA
B-1-11	7/2/99	11	<1.0	<1.0	NA	<5.0	<10	<50	<5.0	NA	Cd: 0.8 Cr: 23 Pb: 22 Ni: 30 Zn: 32	NA
B-2-4	7/2/99	4	<1.0	<1.0	NA	<5.0	<10	<50	<5.0	NA	Cd: 1.5 Cr: 30 Pb: 78 Ni: 40 Zn: 115	NA
B-2-11	7/2/99	11	<1.0	<1.0	NA	<5.0	<10	<50	<5.0	NA	Cd: 0.9 Cr: 20 Pb: 22 Ni: 32 Zn: 35	NA
B-3-4	7/2/99	4	<1.0	<1.0	NA	<5.0	<10	<50	<5.0	NA	Cd: 1.4 Cr: 33 Pb: 54 Ni: 45 Zn: 74	NA
B-3-11	7/2/99	11	<1.0	<1.0	NA	<5.0	<10	<50	<5.0	NA	Cd: 1.6 Cr: 30	NA

TABLE 1 (CONTINUED)

Sample ID	Date Sample	Sample Depth (ft.)	TPHg mg/Kg	TPHd mg/Kg	TEPH mg/Kg	BTEX µg/Kg	MTBE µg/Kg	TRPH mg/Kg	HVOs µg/Kg	SVOs µg/Kg	Metals/ RCI mg/Kg	Pesticides/ PCBs µg/Kg
B-3-11 (cont.)											Pb: 15 Ni: 47 Zn: 50	
B-4-4	7/2/99	4	<1.0	<1.0	NA	<5.0	<10	<50	<5.0	NA	Cd: 1.5 Cr: 32 Pb: 50 Ni: 41 Zn: 120	NA
B-4-11	7/2/99	11	<1.0	<1.0	NA	<5.0	<10	<50	<5.0	NA	Cd: 1.3 Cr: 30 Pb: 12 Ni: 55 Zn: 50	NA
B-5-6	7/2/99	6	<1.0	<1.0	NA	<5.0	<10	<50	<5.0	NA	Cd: 1.8 Cr: 24 Pb: 9 Ni: 32 Zn: 25	NA
B-5-11	7/2/99	11	<1.0	<1.0	NA	<5.0	<10	73	<5.0	NA	Cd: 0.9 Cr: 25 Pb: 10 Ni: 37 Zn: 42	NA
B-5-16	7/2/99	16	<1.0	<1.0	NA	<5.0	<10	<50	<5.0	NA	Cd: 1.6 Cr: 36 Pb: 8 Ni: 45 Zn: 50	NA

Notes:

- TPHg = Total petroleum hydrocarbons reported as gasoline by EPA Methods 5030/LUFT.
- TPHd = Total petroleum hydrocarbons reported as diesel by EPA Method 3550/LUFT.
- TRPH = Total recoverable petroleum hydrocarbons by EPA 418.1 (same as TOG).
- BTEX = Benzene, toluene, ethyl benzene, total xylenes by EPA Method 8020.
- MTBE = Methyl tert-Butyl Ether by EPA Method 8020.
- HVOs = Halogenated volatile organics by EPA Method 8010.
- LUFT METALS = Cadmium, Chromium, Lead, Nickel and Zinc EPA Methods 6010 and 7420 (lead).
- NA = Not analyzed.
- mg/Kg = Milligrams per kilogram (equivalent to parts per million [ppm]), in soil.
- µg/Kg = Micrograms per kilogram (equivalent to parts per billion [ppb]), in soil.

TABLE 2

**CUMULATIVE SUMMARY OF LABORATORY ANALYTICAL RESULTS
OF GROUNDWATER SAMPLES
CANTERBURY DEVELOPMENT
OLYMPIC AVENUE
HAYWARD, CALIFORNIA**

Sample ID	Date Sample	Sample Depth (ft.)	TPHg µg/L	TPHd µg/L	TEPH µg/L	BTEX µg/L	MTBE µg/L	TRPH mg/L	HVOs µg/L	SVOs µg/L	Metals/ RCI mg/Kg
B-1	2/26/98	15.5	<50	<120	NA	NA	NA	<2.5	<0.5 to <5.0	NA	NA
B-2	2/26/98	11.5	<50	<120	NA	NA	NA	<2.5	<0.5 to <5.0	NA	NA
B-3	2/26/98	10	<50	<120	NA	NA	NA	<2.0	<0.5 to <5.0	NA	NA
B-4	2/26/98	9	<50	<120	NA	NA	NA	<4.0	<0.5 to <5.0	NA	NA
W-1	4/14/99	8	NA	NA	NA	NA	NA	26	NA	NA	NA
B-1	5/4/99	5	<50	130	NA	<0.3	<1.0	NA	<1.0	NA	Pb: <0.01
B-2	5/4/99	7	<50	<50	NA	<0.3	<1.0	NA	<1.0	NA	Pb: <0.01
B-3	5/4/99	6	<50	<50	NA	<0.3	26	NA	<1.0	NA	Pb: <0.01
B-4	5/4/99	7	<50	80	NA	<0.3	1.8	NA	<1.0	NA	Pb: <0.01
B-1	7/2/99	9	<50	<50	NA	<3.0	<1.0	<5	<1.0	NA	Cd: <0.001 Cr: 0.02 Pb: <0.01 Ni: <0.05 Zn: <0.05
B-2	7/2/99	8	<50	<50	NA	<3.0	<1.0	<5	<1.0	NA	Cd: <0.001 Cr: <0.01 Pb: <0.01 Ni: <0.05 Zn: <0.05
B-5	7/2/99	9	<50	<50	NA	<3.0	2.6	<5	<1.0	NA	Cd: <0.001 Cr: 0.02 Pb: <0.01 Ni: <0.05 Zn: <0.05

Notes:

- TPHg = Total petroleum hydrocarbons reported as gasoline by EPA Methods 5030/LUFT.
 TPHd = Total petroleum hydrocarbons reported as diesel by EPA Method 3550/LUFT.
 TRPH = Total recoverable petroleum hydrocarbons by EPA 418.1 (same as TOG).
 BTEX = Benzene, toluene, ethyl benzene, total xylenes by EPA Method 8020.
 MTBE = Methyl tert-Butyl Ether by EPA Method 8020.
 HVOs = Halogenated volatile organics by EPA Method 8010.

TABLE 2

CUMULATIVE SUMMARY OF LABORATORY ANALYTICAL RESULTS
OF GROUNDWATER SAMPLES
CANTERBURY DEVELOPMENT
OLYMPIC AVENUE
HAYWARD, CALIFORNIA

Notes (Continued):

LUFT METALS	=	Cadmium, Chromium, Lead, Nickel and Zinc EPA Methods 6010 and 7420 (lead).
UST	=	Underground storage tank samples
NA	=	Not analyzed.
mg/L	=	Milligrams per liter (equivalent to parts per million [ppm]), in water.
µg/L	=	Micrograms per liter (equivalent to parts per billion [ppb]), in water.

TABLE 3

Soil Analytical Results
 Huntwood and Olympic Avenue Site

8808
 PCB

VOCs

SVOCs

TPHs

TPHd

BTEX

TPH0&G

MTBE

Sample ID	PCB	VOCs	SVOCs	TPHs	TPHd	BTEX	TPH0&G	MTBE
EB1 5-8	ND	ND	ND	ND	66	ND	410	ND
EB1 10-12	ND	ND	ND	ND	21	ND	120	ND
EB2 5-8	ND	*	ND	1.8	200	*	760	ND
EB2 9-12	ND	**	**	4.4	7.4	ND	330	ND
EB3 5-8	ND	ND	ND	ND	22	ND	270	ND
EB3 10-12	ND	ND	ND	ND	4.8	ND	56	ND
EB4 4-8	ND	ND	ND	ND	1.1	ND	ND	ND
EB5 5-8	ND	ND	ND	ND	4.4	ND	160	ND
EB6 5-8	ND	ND	ND	ND	7.7	ND	190	ND
EB7 5-9	ND	ND	ND	ND	20	ND	420	ND
EB8 5-9	ND	ND	ND	ND	22	ND	490	ND

*EB2 5-8: 6.9ppm ethylbenzene, 93ppm naphthalene, 24ppm isopropylbenzene, 0.0061ppm ethylbenzene

**EB2 9-12: 11ppm isopropylbenzene, 0.17ppm 2-methylnaphthalene

TABLE 4

x

Soil Analytical Results (Metals)
 Huntwood and Olympic Avenue

Soils Location	Cadmium mg/kg	Chromium mg/kg	Copper mg/kg	Nickel mg/kg	Zinc mg/kg
EB1 5-8	0.62	40	33	43	110
EB1 10-12	0.59	42	8.4	41	47
EB2 5-8	ND	33	9.3	35	41
EB2 9-12	ND	27	5.9	31	30
EB3 5-8	ND	30	8.9	30	35
EB3 10-12	ND	29	8.8	31	39
EB4 4-8	ND	33	6.2	37	35
EB5 5-8	0.51	36	8.9	41	43
EB6 5-8	ND	35	6.9	37	36
EB7 5-9	0.51	36	10	39	44
EB8 5-9	ND	36	6.4	40	36

Groundwater Analytical Results (Metals)
 Huntwood and Olympic Avenue

Soils Location	Cadmium mg/L	Chromium mg/L	Copper mg/L	Nickel mg/L	Zinc mg/L
EB1	0.015	0.70	0.16	0.71	1.2
EB2	0.0078	0.48	0.14	0.49	0.78
EB3	0.0093	0.53	0.24	0.56	0.93
EB4	ND	0.051	ND	0.046	0.10
EB5	0.019	1.0	0.21	1.3	1.4
EB6	0.0076	0.40	0.69	0.47	0.59
EB7	0.0078	0.50	0.077	0.54	0.68
EB8	0.023	1.2	0.23	1.3	1.7

TABLE 5

Groundwater Analytical Results
 Huntwood and Olympic Avenue

	PCBS	LOCs	SVOCs	TPH _a	TPH _d	BTEX	TOL	MTBE
EB1	ND	(3)	(1)	ND	130	(9)	ND	ND
EB2	ND	(4)	(2)	ND	190	(10)	ND	ND
EB3	ND	ND	ND	ND	ND	ND	ND	ND
EB4	ND	(5)	ND	ND	ND	(11)	ND	ND
EB5	ND	ND	ND	ND	85	ND	ND	ND
EB6	ND	(6)	ND	ND	ND	(12)	ND	ND
EB7	ND	(7)	ND	ND	77	ND	ND	ND
EB8	ND	(8)	ND	ND	ND	(13)	ND	ND

- (1) EB1 11ppb naphthalene, 13ppb 2-methylnaphthalene ✓
- (2) EB2 9.5ppb naphthalene, 13ppb 2-methylnaphthalene ✓
- (3) EB1 11ppb naphthalene, 1.4ppb total xylenes, 0.77ppb isopropylbenzene
- (4) EB2 1.2ppb total xylenes
- (5) EB4 1.6ppb total xylenes
- (6) EB6 0.66ppb chlorobenzene, 0.77ppb ethylbenzene, 1.7ppb total xylenes, 2.3ppb isopropylbenzene
- (7) EB7 1.1ppb naphthalene
- (8) EB8 1.8ppb total xylenes
- (9) EB1 0.99ppb total xylenes
- (10) EB2 1.1ppb total xylenes
- (11) EB4 3.4ppb total xylenes
- (12) EB6 0.70ppb ethylbenzene, 2.7ppb total xylenes
- (13) EB8 2.1ppb xylenes