

APPENDIX B

CPT LOCATIONS AND CPT
LABORATORY RESULTS
(1997 AND 2002)

Table B-1
 Summary of VOCs
 in CPT Groundwater Samples (ug/l)

Well ID	Date	Benzene	Ethylbenzene	Chlorobenzene	sec-Butylbenzene	Isopropylbenzene	Napthalene	n-Propylbenzene	Styrene
CPT-1	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND
CPT-2	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND
CPT-3	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND
CPT-4	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND
CPT-5	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND
CPT-6	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND
CPT-7	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND
CPT-8	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND
CPT-9	Jun-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-10	Jun-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-10 Dup	Jun-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-11	Jun-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-12	Jun-02	ND	ND	ND	ND	ND	23	ND	ND
CPT-13	Jun-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-14	Jun-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-15	Jun-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-16	Jun-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-17	Jun-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-18	Jun-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-19	Jun-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-20	Jun-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-20 Dup	Jun-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-21	Jul-02	ND	73	ND	ND	590	ND	ND	ND
CPT-21 Dup	Jul-02	ND	48	ND	23	320	ND	11	ND
CPT-22	Jul-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-23	Jul-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-24	Jul-02	ND	ND	5	ND	ND	ND	ND	ND
CPT-25	Jul-02	ND	ND	ND	ND	ND	ND	ND	ND
CPT-26	Jul-02	1.3	16	ND	5.7	22	9.7	ND	2.6

This table includes all dates for which CPT samples were analyzed for VOCs.

1997 - Samples were analyzed for VOCs by EPA Methods 8260 by Environmental Science & Engineer

2002 - Samples were analyzed for VOCs by EPA Methods 8260 by Project Navigator Ltd.

CPT: Cone penetration testing
 VOCs: volatile organic compounds
 ND: not detected
 dup: duplicate sample
 ug/L: micrograms per liter

Table B-1
Summary of VOCs
in CPT Groundwater Samples (ug/l)

ring, Inc

Table B-2
Summary of SVOCs
in CPT Groundwater Samples (ug/l)

Well ID	Date	Acenaphthene	Napthalene
CPT-1	Feb-97	ND	ND
CPT-2	Feb-97	ND	ND
CPT-3	Feb-97	ND	ND
CPT-4	Feb-97	ND	ND
CPT-5	Feb-97	ND	ND
CPT-6	Feb-97	ND	ND
CPT-7	Feb-97	ND	ND
CPT-8	Feb-97	ND	ND
CPT-9	Jun-02	ND	ND
CPT-10	Jun-02	ND	ND
CPT-11	Jun-02	ND	ND
CPT-11 dup	Jun-02	ND	ND
CPT-12	Jun-02	15	27
CPT-13	Jun-02	ND	ND
CPT-14	Jun-02	ND	ND
CPT-15	Jun-02	ND	ND
CPT-16	Jun-02	ND	ND
CPT-17	Jun-02	ND	ND
CPT-18	Jun-02	ND	ND
CPT-19	Jun-02	ND	ND
CPT-20	Jun-02	ND	ND
CPT-20 dup	Jun-02	ND	ND
CPT-21	Jul-02	ND	ND
CPT-21 dup	Jul-02	ND	ND
CPT-22	Jul-02	ND	ND
CPT-23	Jul-02	ND	ND
CPT-24	Jul-02	ND	ND
CPT-25	Jul-02	ND	ND
CPT-26	Jul-02	ND	ND

This table includes all dates for which CPT samples were analyzed for SVOCs.
1997 - Samples were analyzed for SVOCs by EPA Method 8270 by Environmental Science & Engineering, Inc.
2002 - Samples were analyzed for SVOCs by EPA Method 8270 by Project Navigator Ltd.

CPT: cone penetration testing
SVOCs: semi-volatile organic compounds
ND: not detected
dup: duplicate sample
ug/L: micrograms per liter

Table B-3
Summary of Metals
in CPT Groundwater Samples (mg/l)

Well ID	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (Total)	Chromium (Hexavalent)	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
CPT-1	Feb-97	ND	ND	0.18	ND	ND	ND	ND	ND	ND	0.008	ND	ND	ND	-	ND	ND	ND	ND
CPT-2	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND
CPT-3	Feb-97	ND	ND	0.12	ND	ND	ND	ND	ND	ND	0.007	ND	ND	ND	-	ND	ND	ND	ND
CPT-4	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND
CPT-5	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND
CPT-6	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND
CPT-7	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND
CPT-8	Feb-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND	ND
CPT-9	Jun-02	0.03	ND	0.27	ND	ND	0.026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CPT-10	Jun-02	0.029	ND	0.23	ND	ND	0.031	ND	ND	0.022	ND	ND	ND	ND	ND	ND	ND	0.044	0.63
CPT-10 Dup	Jun-02	0.021	0.088	0.65	ND	ND	0.36	ND	0.064	0.19	0.02	ND	0.093	0.19	ND	ND	ND	0.55	3
CPT-11	Jun-02	0.022	0.027	0.27	ND	ND	0.16	ND	0.026	0.089	0.025	ND	ND	0.092	ND	ND	ND	0.22	0.85
CPT-12	Jun-02	ND	0.05	0.7	ND	ND	0.042	ND	ND	0.029	ND	ND	ND	0.027	ND	ND	ND	0.075	0.58
CPT-13	Jun-02	ND	ND	0.11	ND	ND	0.016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.014	0.16
CPT-14	Jun-02	ND	0.064	0.26	ND	ND	0.078	ND	ND	0.02	0.03	ND	ND	0.022	ND	ND	ND	0.16	0.35
CPT-15	Jun-02	ND	0.037	0.49	ND	ND	0.22	ND	0.064	0.17	0.036	ND	ND	0.12	ND	ND	ND	0.28	0.79
CPT-16	Jun-02	ND	0.066	0.24	ND	ND	0.11	ND	0.025	0.054	0.056	ND	ND	0.048	ND	ND	ND	0.12	0.91
CPT-17	Jun-02	ND	0.0071	0.15	ND	ND	0.057	ND	ND	0.025	ND	ND	ND	0.027	0.005	ND	ND	0.098	0.16
CPT-18	Jun-02	ND	0.079	0.38	0.0053	0.0067	0.28	ND	0.037	0.098	0.03	ND	0.066	0.13	ND	ND	ND	0.47	0.97
CPT-19	Jun-02	ND	ND	0.064	ND	ND	0.012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.014	0.24
CPT-20	Jun-02	0.013	ND	0.12	ND	ND	0.023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012	0.56
CPT-20 Dup	Jun-02	0.014	ND	0.18	ND	ND	0.041	ND	ND	ND	ND	ND	ND	0.013	ND	ND	ND	0.037	0.31
CPT-21	Jul-02	ND	0.14	1.2	ND	ND	0.61	ND	0.15	0.32	0.11	ND	0.23	0.32	ND	ND	ND	0.93	2.8
CPT-21 Dup	Jul-02	ND	0.013	0.17	ND	ND	0.051	ND	ND	0.031	0.0065	ND	ND	0.023	ND	ND	ND	0.064	0.28
CPT-22	Jul-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CPT-23	Jul-02	ND	0.29	0.96	ND	ND	0.7	ND	0.14	0.33	0.11	ND	0.26	0.32	ND	ND	ND	1.2	1.8
CPT-24	Jul-02	ND	0.048	0.75	ND	ND	0.16	ND	0.054	0.14	0.04	ND	ND	0.097	ND	ND	ND	0.27	0.77
CPT-25	Jul-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CPT-26	Jul-02	ND	0.89	0.84	ND	ND	0.29	ND	0.068	0.11	0.049	ND	0.042	0.14	ND	ND	ND	0.43	1.8

This table includes all dates for which CPT samples were analyzed for inorganics.

1997 - Samples were analyzed for dissolved metals by EPA Methods 6010 and 7000 series by Environmental Science & Engineering, Inc.

2002 - Samples were analyzed for metals by EPA Methods 6010A, 7470, 7421, and 7060 by Project Navigator Ltd.

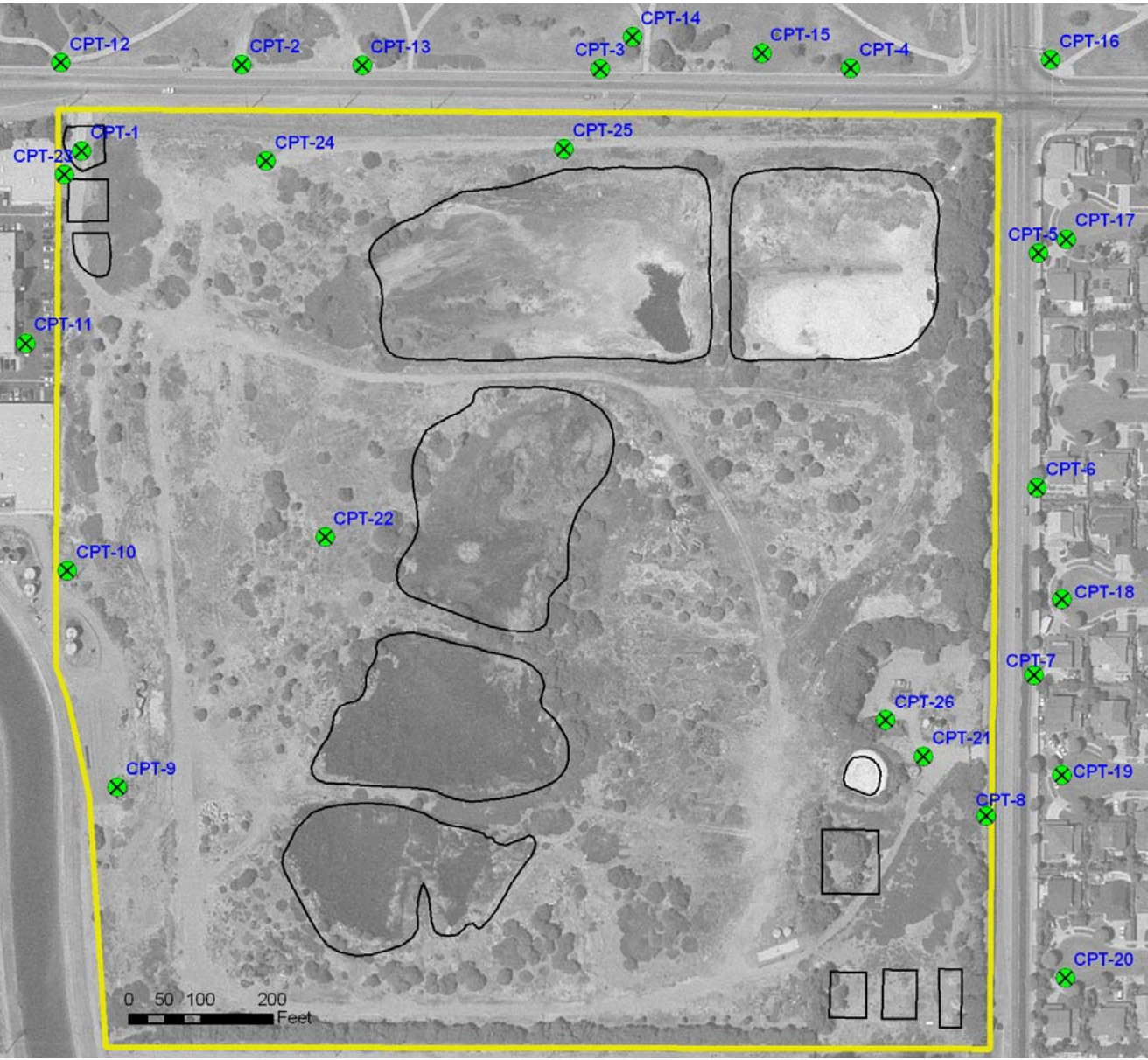
CPT: Cone penetration testing
 ND: not detected
 -: compound not analyzed or not known to be analyzed or detected
 dup: duplicate sample
 mg/L: milligrams per liter

Table B-4
Summary of TPH
in CPT Groundwater Samples (ug/l)

Well ID	Date	TPH
CPT-1	Feb-97	ND
CPT-2	Feb-97	ND
CPT-3	Feb-97	ND
CPT-4	Feb-97	ND
CPT-5	Feb-97	ND
CPT-6	Feb-97	ND
CPT-7	Feb-97	ND
CPT-8	Feb-97	ND
CPT-9	Jun-02	ND
CPT-10	Jun-02	ND
CPT-11	Jun-02	ND
CPT-11 dup	Jun-02	ND
CPT-12	Jun-02	55
CPT-13	Jun-02	ND
CPT-14	Jun-02	ND
CPT-15	Jun-02	ND
CPT-16	Jun-02	ND
CPT-17	Jun-02	ND
CPT-18	Jun-02	ND
CPT-19	Jun-02	ND
CPT-20	Jun-02	ND
CPT-20 dup	Jun-02	ND
CPT-21	Jul-02	1100
CPT-21 dup	Jul-02	150
CPT-22	Jul-02	ND
CPT-23	Jul-02	ND
CPT-24	Jul-02	82
CPT-25	Jul-02	ND
CPT-26	Jul-02	90

This table includes all dates for which CPT samples were analyzed for SVOCs.
1997 - Samples were analyzed for SVOCs by EPA Method 8270 by Environmental Science & Engineering, Inc.
2002 - Samples were analyzed for SVOCs by EPA Method 8270 by Project Navigator Ltd.

CPT: cone penetrometer testing
TPH: total petroleum hydrocarbon
ND: not detected
dup: duplicate sample
ug/L: micrograms per liter



Legend

- X Approximate CPT Location
- Ascon Site Boundary
- Pits and Lagoon Boundaries



Notes:
 1) Groundwater samples were not taken at CPT-22 and CPT-25 because the CPT probe encountered refusal.

CPT Locations		Figure B-1
CTP Location Source: Environmental Science & Engineering, Inc. (1997) & PNL (2002a) Ascon Landfill Site, Huntington Beach, California	March 2005	