Table 1.18C
Average Concentration of VOCs in Exposition Groundwater Zones - Entire Plume Area (> 5.0 µg/L)
Pemaco Superfund Site, Maywood, California

	Location:	MW-01-80	MW-02-95	MW-03-85	MW-04-85	MW-05-135	MW-05-85	MW-06-85	MW-07-130	MW-07-75	MW-08-70	MW-08-85	MW-09-70	MW-09-85	MW-10-110	MW-10-175
	Zone:	A&B	B	A&B	A&B	D	B	B	D	A	A	B	A	B	C	E
	Collection Date:	1/7/2002	1/15/2002	1/16/2002	1/15/2002	1/7/2002	1/16/2002	1/16/2002	1/7/2002	1/7/2002	1/8/2002	1/11/2002	1/8/2002	1/11/2002	1/14/2002	1/14/2002
Parameter	**Units**															
1,1,1-Trichloroethane	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
1,1,2,2-Tetrachloroethane	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	5	2.5	5	5	5	5	5	5	5	5	8.5	5	5	5	5
1,1,2-Trichloroethane	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
1,1-Dichloroethane	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
1,1-Dichloroethene	µg/L	5	2.9	9.8	12	5	0.5	0.44	5	5	5	8.5	5	5	0.5	0.5
1,2,4-Trichlorobenzene	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
1,2-Dibromo-3-Chloropropane	µg/L	5	22.5	25	25	5	2.5	2.5	5	5	5	8.5	5	5	2.5	2.5
1,2-Dibromoethane	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
1,2-Dichlorobenzene	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
1,2-Dichloroethane	µg/L	5	22.5	2.5	5	5	2.5	2.5	5	5	5	8.5	5	5	2.5	2.5
1,2-Dichloropropane	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
1,3-Dichlorobenzene	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
1,4-Dichlorobenzene	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
2-Butanone	µg/L	5	25	50	50	5	5	5	5	5	5	8.5	5	5	5	5
2-Hexanone	µg/L	5	25	50	50	5	5	5	5	5	5	8.5	5	5	5	5
4-Methyl-2-pentanone	µg/L	5	25	50	50	5	5	5	5	5	5	8.5	5	5	5	5
Acetone	µg/L	5	25	50	290	5	5	5	5	5	5	47	5	5	5	5
Benzene	µg/L	5	22.5	2.5	6	5	2.5	140	5	5	5	8.5	5	5	2.6	2.5
Bromodichloromethane	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
Bromoform	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
Bromomethane	µg/L	2	2.5	5	5	2	0.5	0.5	2	5	5	8.5	5	5	0.5	0.5
Carbon Disulfide	µg/L	5	25	50	50	5	5	5	5	5	5	8.5	5	5	5	5
Carbon Tetrachloride	µg/L	5	22.5	2.5	5	5	2.5	2.5	5	5	5	8.5	5	5	2.5	2.5
Chlorobenzene	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
Chloroethane	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
Chloroform	µg/L	5	2.5	5	5	5	25	0.58	5	5	5	8.5	5	12	0.5	0.5
Chloromethane	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
cis-1,2-Dichloroethene	µg/L	2	120	190	27	5	9.9	3.7	5	0.7	5	8.5	5	0.8	1.7	0.5
cis-1,3-Dichloropropene	µg/L	5	22.5	2.5	5	5	2.5	2.5	5	5	5	8.5	5	5	2.5	2.5
Cyclohexane	µg/L	5	1700	3155	1750	5	473	2283	5	5	5	8.5	5	5	0.5	0.5
Dibromochloromethane	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
Dichlorodifluoromethane	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
Ethylbenzene	µg/L	5	2.5	5	5	5	0.5	2.9	5	5	5	8.5	5	5	0.5	0.5
Isopropylbenzene	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
Methyl Acetate	µg/L	5	2.5	5	1300	5	10	10	5	5	5	8.5	5	6	10	10
Methyl tert-Butyl Ether	µg/L	5	2.5	5	5	5	10	10	5	5	5	8.5	5	5	0.5	0.5
Methylcyclohexane	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
Methylene Chloride	µg/L	5	25	50	50	5	5	5.6	5	5	5	8.5	5	5	5	5
Styrene	µg/L	5	2.5	5	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
Tetrachloroethene	µg/L	5	2.5	7.9	8	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
Toluene	µg/L	5	2.5	5	5	5	0.5	3.3	5	5	5	8.5	5	5	0.5	0.5
trans-1,2-Dichloroethene	µg/L	5	4	12	5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
trans-1,3-Dichloropropene	µg/L	5	22.5	2.5	5	5	2.5	2.5	5	5	5	8.5	5	5	2.5	2.5
Trichloroethene	µg/L	5	3800	9300	6800	5	200	1.3	5	2	7	1	5	9	1.6	0.5
Trichlorofluoromethane	µg/L	5	25	5	5	5	5	5	5	5	5	8.5	5	5	5	5
Vinyl Chloride	µg/L	5	5.4	9.2	5	5	2.5	2.5	5	5	5	8.5	5	5	2.5	2.5
Xylenes (total)	µg/L	5			5	5	0.5	0.5	5	5	5	8.5	5	5	0.5	0.5
	Total VOCs	**234**	**6012.3**	**13161.4**	**10638**	**237**	**798.9**	**2522.82**	**237**	**232.7**	**242**	**439**	**240**	**247.8**	**85.9**	**83.5**

Table 1.18C
Average Concentration of VOCs in Exposition Groundwater Zones - Entire Plume Area (> 5.0 µg/L)
Pemaco Superfund Site, Maywood, California

	Location:	MW-10-75	MW-10-90	MW-11-100	MW-12-150	MW-12-70	MW-12-90	MW-13-85	MW-14-80	MW-14-90	MW-18-70	MW-18-85	**Average**
	Zone:	A	B	C	D	A	B	B	A	B	A	B	**Concentration**
	Collection Date:	1/14/2002	1/14/2002	1/7/2002	1/11/2002	1/11/2002	1/11/2002	1/15/2002	1/22/2002	1/22/2002	1/22/2002	1/22/2002	**(µg/L)**
Parameter	**Units**												
1,1,1-Trichloroethane	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
1,1,2,2-Tetrachloroethane	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	5	5	5	5	5	5	5	200	200	85	85	26.19
1,1,2-Trichloroethane	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
1,1-Dichloroethane	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
1,1-Dichloroethene	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	12	22.64
1,2,4-Trichlorobenzene	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
1,2-Dibromo-3-Chloropropane	µg/L	2.5	2.5	5	5	5	5	2.5	200	200	85	85	27.83
1,2-Dibromoethane	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
1,2-Dichlorobenzene	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
1,2-Dichloroethane	µg/L	2.5	2.5	5	5	5	5	2.5	200	200	85	85	26.19
1,2-Dichloropropane	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
1,3-Dichlorobenzene	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
1,4-Dichlorobenzene	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
2-Butanone	µg/L	5	5	5	5	5	5	5	200	200	85	85	30.52
2-Hexanone	µg/L	5	5	5	5	5	5	5	200	200	85	85	30.52
4-Methyl-2-pentanone	µg/L	5	5	5	5	5	5	5	200	200	85	85	30.52
Acetone	µg/L	5	5	5	5	5	200	5	200	200	85	10000	430.08
Benzene	µg/L	2.5	0.51	5	5	5	2	2.5	200	200	85	85	31.33
Bromodichloromethane	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
Bromoform	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
Bromomethane	µg/L	0.5	0.5	3	5	5	5	0.5	200	200	85	85	24.56
Carbon Disulfide	µg/L	5	5	5	5	5	5	5	200	200	85	85	30.52
Carbon Tetrachloride	µg/L	2.5	2.5	5	5	5	5	2.5	200	200	85	85	26.19
Chlorobenzene	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
Chloroethane	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
Chloroform	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	26.20
Chloromethane	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
cis-1,2-Dichloroethene	µg/L	0.5	3.3	5	5	5	5	4.8	200	27	1600	2400	178.48
cis-1,3-Dichloropropene	µg/L	2.5	2.5	5	5	5	5	2.5	200	200	85	85	26.19
Cyclohexane	µg/L	0.5	0.5	5	5	5	12	0.5	120	47	46	46	372.81
Dibromochloromethane	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
Dichlorodifluoromethane	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
Ethylbenzene	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	25.07
Isopropylbenzene	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
Methyl Acetate	µg/L	10	10	5	5	5	11	10	200	200	85	85	77.62
Methyl tert-Butyl Ether	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	25.71
Methylcyclohexane	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
Methylene Chloride	µg/L	5	5	5	5	5	5	5	200	200	85	85	30.54
Styrene	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	24.98
Tetrachloroethene	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	85	85	25.21
Toluene	µg/L	0.5	0.46	5	5	5	5	0.59	200	200	85	85	25.09
trans-1,2-Dichloroethene	µg/L	0.5	0.5	5	5	5	5	0.5	200	200	15	85	22.62
trans-1,3-Dichloropropene	µg/L	2.5	2.5	5	5	5	5	2.5	200	200	85	85	26.19
Trichloroethene	µg/L	0.5	1.9	0.8	5	5	1	46	4800	4200	3400	2400	1346.25
Trichlorofluoromethane	µg/L	5	5	5	5	5	5	5	200	200	85	85	27.06
Vinyl Chloride	µg/L	2.5	2.5	5	5	5	5	2.5	200	200	85	780	52.52
Xylenes (total)	µg/L	0.5	0.5	5	5	5	5		200	200	85	85	27.89
	Total VOCs	**83.5**	**85.67**	**233.8**	**240**	**240**	**441**	**132.89**	**14120**	**13274**	**8801**	**19208**	

Total Average VOCs, 'A' Zone	**4435.59**
Total Average VOCs, 'B' Zone	**5168.91**
Total Average VOCs, Composite 'A' and 'B' Zone	**4557.75**
Total Average VOCs, 'C' Zone	**159.85**
Total Average VOCs, 'D' and 'E' Zones	**161.75**
Total Average VOCs, All Zones	**3548.93**

Notes:
1.) Wells selected to be representative of the entire composite Exposition 'A' and 'B' TCE plume.
2.) Half-values of detection limits were used when an analyte was not detected at or above the laboratory method detection limit.