TABLE 1
SITE-WIDE SUMMARY OF SURFACE SOIL DATA (0-1' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
Cyanide	0	44	0	0.500	0.500	--	--	0.250	0.250
Metals									
Ag	0	44	0.0	0.200	0.200	--	--	0.100	0.100
Al	44	44	100	0.002	1.0	15000	22000	19000	18500
As	44	44	100	0.0	0.0	2.6	30	5.5	9.9
Ba	44	44	100	0.0	0.0	130	210	160	164
Be	44	44	100	0.005	0.005	0.520	0.960	0.600	0.623
Ca	44	44	100	0.005	0.005	5000	16000	8700	9118
Cd	44	44	100	0.0	0.0	6.3	7.3	6.8	6.8
Co	44	44	100	0.0	0.0	8.8	12	11	10
Cr	44	44	100	0.0	0.0	18	49	23	26
Cu	44	44	100	0.0	0.0	22	140	42	57
Fe	44	44	100	0.0	0.0	23000	31000	27000	26890
Hg	19	44	43	0.100	0.100	0.210	0.350	0.050	0.149
K	44	44	100	0.0	0.0	2600	4100	3400	3318
Mg	44	44	100	0.0	0.0	6100	8700	7100	7275
Mn	44	44	100	0.0	0.0	350	620	520	466
Na	44	44	100	0.100	0.200	270	1000	510	541
Ni	44	44	100	0.200	0.200	12	45	17	19
Pb	44	44	100	0.0	0.0	5.6	110	13	32
Sb	0	44	0	10	10	--	--	5	5
Se	0	44	0	0.400	0.400	--	--	0.200	0.200
Tl	0	44	0	6.0	6.0	--	--	3.0	3.0
V	44	44	100	0.005	0.009	37	160	42	49
Zn	44	44	100	0.0	0.0	56	140	66	83
Pesticides/PCBs									
4,4'-DDD	34	44	77	0.500	1.0	0.004	2.7	0.022	0.288
4,4'-DDE	38	44	86	0.020	1.0	0.006	2.2	0.023	0.420
4,4'-DDT	44	44	100	0.0	0.0	0.022	9.1	0.075	1.8
Aldrin	0	44	0	0.002	1.0	--	--	0.003	0.127
Aroclor 1016	0	44	0	0.060	30	--	--	0.100	4.0
Aroclor 1221	0	44	0	0.060	30	--	--	0.100	4.0
Aroclor 1232	0	44	0	0.060	30	--	--	0.100	4.0
Aroclor 1242	0	44	0	0.060	30	--	--	0.100	4.0
Aroclor 1248	0	44	0	0.060	30	--	--	0.100	4.0
Aroclor 1254	0	44	0	0.060	30	--	--	0.100	4.0
Aroclor 1260	0	44	0	0.060	30	--	--	0.100	4.0
Chlordane	0	44	0	0.020	10	--	--	0.025	1.27
Dieldrin	14	44	32	0.010	2.0	0.005	0.01	0.009	0.255
Endosulfan I	0	44	0	0.004	2.0	--	--	0.005	0.254
Endosulfan II	0	44	0	0.004	2.0	--	--	0.005	0.254
Endosulfan sulfate	0	44	0	0.006	3.0	--	--	0.010	0.405
Endrin	0	44	0	0.004	2.0	--	--	0.005	0.254
Endrin aldehyde	0	44	0	0.002	1.0	--	--	0.003	0.127
Heptachlor	0	44	0	0.002	1.0	--	--	0.003	0.127
Heptachlor epoxide	0	44	0	0.004	2.0	--	--	0.005	0.254
Methoxychlor	0	44	0	0.004	2.0	--	--	0.005	0.254
Total PCB's	0	44	0	0.060	30	--	--	0.100	4.0

Note: Units in mg/kg

TABLE 1
SITE-WIDE SUMMARY OF SURFACE SOIL DATA (0-1' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
Toxaphene	0	44	0	0.400	200	--	--	0.500	25
alpha-BHC	0	44	0	0.002	1.0	--	--	0.003	0.127
beta-BHC	0	44	0	0.002	1.0	--	--	0.003	0.127
delta-BHC	0	44	0	0.002	1.0	--	--	0.003	0.127
gamma-BHC	0	44	0	0.002	1.0	--	--	0.003	0.127
SVOCs									
1,2,4-Trichlorobenzene	0	44	0	0.200	0.200	--	--	0.100	0.100
1,2-Dichlorobenzene	0	44	0	0.200	0.200	--	--	0.100	0.100
1,2-Diphenylhydrazine	0	44	0	0.200	0.200	--	--	0.100	0.100
1,3-Dichlorobenzene	0	44	0	0.200	0.200	--	--	0.100	0.100
1,4-Dichlorobenzene	0	44	0	0.200	0.200	--	--	0.100	0.100
2,4,5-Trichlorophenol	0	44	0	0.200	0.200	--	--	0.100	0.100
2,4,6-Trichlorophenol	0	44	0	0.200	0.200	--	--	0.100	0.100
2,4-Dichlorophenol	0	44	0	0.200	0.200	--	--	0.100	0.100
2,4-Dimethylphenol	0	44	0	0.200	0.200	--	--	0.100	0.100
2,4-Dinitrophenol	0	44	0	0.200	0.200	--	--	0.100	0.100
2,4-Dinitrotoluene	0	44	0	0.200	0.200	--	--	0.100	0.100
2,6-Dinitrotoluene	0	44	0	0.200	0.200	--	--	0.100	0.100
2-Chloronaphthalene	0	44	0	0.200	0.200	--	--	0.100	0.100
2-Chlorophenol	0	44	0	0.200	0.200	--	--	0.100	0.100
2-Methyl-4,6-dinitrophenol	0	44	0	0.200	0.200	--	--	0.100	0.100
2-Methylnaphthalene	6	49	12	0.005	0.200	0.0005	0.250	0.100	0.100
2-Methylphenol	0	44	0	0.200	0.200	--	--	0.100	0.100
2-Nitroaniline	0	44	0	0.200	0.200	--	--	0.100	0.100
2-Nitrophenol	0	44	0	0.200	0.200	--	--	0.100	0.100
3,3'-Dichlorobenzidine	0	44	0	0.700	0.700	--	--	0.350	0.350
3-Nitroaniline	0	44	0	0.200	0.200	--	--	0.100	0.100
4-Bromophenyl phenyl ether	0	44	0	0.200	0.200	--	--	0.100	0.100
4-Chloro-3-methylphenol	0	44	0	0.200	0.200	--	--	0.100	0.100
4-Chloroaniline	0	44	0	0.200	0.200	--	--	0.100	0.100
4-Chlorophenyl phenyl ether	0	44	0	0.200	0.200	--	--	0.100	0.100
4-Methylphenol	0	44	0	0.300	0.300	--	--	0.150	0.150
4-Nitroaniline	0	44	0	0.200	0.200	--	--	0.100	0.100
4-Nitrophenol	0	44	0	0.200	0.200	--	--	0.100	0.100
Acenaphthene	0	49	0	0.005	0.200	--	--	0.100	0.092
Acenaphthylene	5	49	10	0.005	0.200	0.001	0.470	0.100	0.116
Aniline	0	44	0	0.200	0.200	--	--	0.100	0.100
Anthracene	2	49	4.1	0.005	0.200	0.045	0.048	0.100	0.093
Benzo(a)anthracene	9	49	18	0.200	0.200	0.0004	0.310	0.100	0.114
Benzo(a)pyrene	4	49	8.2	0.005	0.200	0.005	0.760	0.100	0.106
Benzo(b)fluoranthene	4	49	8.2	0.005	0.200	0.004	0.480	0.100	0.101
Benzo(g,h,i)perylene	4	49	8.2	0.005	0.200	0.007	0.830	0.100	0.107
Benzo(k)fluoranthene	4	49	8.2	0.005	0.200	0.004	0.420	0.100	0.100
Benzoic acid	0	44	0	2.0	2.0	--	--	1.0	1.0
Benzyl alcohol	0	44	0	0.200	0.200	--	--	0.100	0.100
Bis(2-chloroethoxy)methane	0	44	0	0.200	0.200	--	--	0.100	0.100

TABLE 1
SITE-WIDE SUMMARY OF SURFACE SOIL DATA (0-1' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
Bis(2-chloroethyl)ether	0	44	0	0.200	0.200	--	--	0.100	0.100
Bis(2-chloroisopropyl)ether	0	44	0	0.200	0.200	--	--	0.100	0.100
Bis(2-ethylhexyl)phthalate	6	44	14	0.300	0.300	0.770	0.770	0.150	0.235
Butylbenzylphthalate	6	44	14	0.200	0.200	0.340	0.340	0.100	0.133
Chrysene	5	49	10	0.200	0.200	0.001	0.370	0.100	0.099
Di-n-butylphthalate	0	44	0	0.200	0.200	--	--	0.100	0.100
Di-n-octylphthalate	0	44	0	0.200	0.200	--	--	0.100	0.100
Dibenzo(a,h)anthracene	3	49	6.1	0.005	0.200	0.0005	0.075	0.100	0.092
Dibenzofuran	0	44	0	0.200	0.200	--	--	0.100	0.100
Diethylphthalate	0	44	0	0.200	0.200	--	--	0.100	0.100
Dimethylphthalate	0	44	0	0.200	0.200	--	--	0.100	0.100
Fluoranthene	12	49	24	0.200	0.200	0.004	0.580	0.100	0.148
Fluorene	0	49	0	0.005	0.200	--	--	0.100	0.092
Hexachlorobenzene	0	44	0	0.200	0.200	--	--	0.100	0.100
Hexachlorobutadiene	0	44	0	0.200	0.200	--	--	0.100	0.100
Hexachlorocyclopentadiene	0	44	0	0.200	0.200	--	--	0.100	0.100
Hexachloroethane	0	44	0	0.200	0.200	--	--	0.100	0.100
Indeno(1,2,3-c,d)pyrene	4	49	8.2	0.005	0.300	0.005	0.510	0.150	0.146
Isophorone	0	44	0	0.200	0.200	--	--	0.100	0.100
N-Nitrosodimethylamine	0	44	0	0.200	0.200	--	--	0.100	0.100
N-Nitrosodiphenylamine	0	44	0	0.200	0.200	--	--	0.100	0.100
N-Nitrosodipropylamine	0	44	0	0.200	0.200	--	--	0.100	0.100
Naphthalene	4	49	8.2	0.100	0.200	0.0004	0.041	0.100	0.092
Nitrobenzene	0	44	0	0.200	0.200	--	--	0.100	0.100
Pentachlorophenol	0	44	0	0.200	0.200	--	--	0.100	0.100
Phenanthrene	12	49	24	0.200	0.200	0.001	1.2	0.100	0.235
Phenol	0	44	0	0.200	0.200	--	--	0.100	0.100
Pyrene	18	49	37	0.200	0.200	0.001	1.1	0.100	0.220
VOCs									
1,1,1,2-Tetrachloroethane	0	2	0	0.005	0.005	--	--	0.002	0.002
1,1,1-Trichloroethane	0	2	0	0.005	0.005	--	--	0.002	0.002
1,1,2,2-Tetrachloroethane	0	2	0	0.005	0.005	--	--	0.002	0.002
1,1,2-Trichloroethane	0	2	0	0.005	0.005	--	--	0.002	0.002
1,1-Dichloroethane	0	2	0	0.005	0.005	--	--	0.002	0.002
1,1-Dichloroethene	0	2	0	0.005	0.005	--	--	0.002	0.002
1,1-Dichloropropene	0	2	0	0.005	0.005	--	--	0.002	0.002
1,2,3-Trichlorobenzene	0	2	0	0.005	0.005	--	--	0.002	0.002
1,2,3-Trichloropropane	0	2	0	0.005	0.005	--	--	0.002	0.002
1,2,4-Trichlorobenzene	0	2	0	0.200	0.400	--	--	0.002	0.002
1,2,4-Trimethylbenzene	0	2	0	0.005	0.005	--	--	0.002	0.002
1,2-Dibromo-3-chloropropane	0	1	0	0.009	0.009	--	--	0.005	0.005
1,2-Dibromoethane (EDB)	0	2	0	0.005	0.005	--	--	0.002	0.002
1,2-Dichlorobenzene	0	2	0	0.200	0.400	--	--	0.002	0.002
1,2-Dichloroethane	0	2	0	0.005	0.005	--	--	0.002	0.002
1,2-Dichloroethene (cis)	0	2	0	0.005	0.005	--	--	0.002	0.002
1,2-Dichloroethene (trans)	0	2	0	0.005	0.005	--	--	0.002	0.002
1,2-Dichloropropane	0	2	0	0.005	0.005	--	--	0.002	0.002
1,3,5-Trimethylbenzene	0	2	0	0.005	0.005	--	--	0.002	0.002
1,3-Dichlorobenzene	0	2	0	0.200	0.400	--	--	0.002	0.002

TABLE 1
SITE-WIDE SUMMARY OF SURFACE SOIL DATA (0-1' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
1,3-Dichloropropane	0	2	0	0.005	0.005	--	--	0.002	0.002
1,3-Dichloropropene (cis)	0	2	0	0.005	0.005	--	--	0.002	0.002
1,3-Dichloropropene (trans)	0	2	0	0.005	0.005	--	--	0.002	0.002
1,4-Dichlorobenzene	0	2	0	0.200	0.400	--	--	0.002	0.002
2,2-Dichloropropane	0	2	0	0.005	0.005	--	--	0.002	0.002
2-Chlorotoluene	0	2	0	0.005	0.005	--	--	0.002	0.002
2-Hexanone	0	2	0	0.024	0.050	--	--	0.019	0.019
4-Chlorotoluene	0	2	0	0.005	0.005	--	--	0.002	0.002
Acetone	1	2	50	0.050	0.050	0.150	0.150	0.088	0.088
Benzene	0	2	0	0.005	0.005	--	--	0.002	0.002
Bromobenzene	0	2	0	0.005	0.005	--	--	0.002	0.002
Bromochloromethane	0	2	0	0.005	0.005	--	--	0.002	0.002
Bromoform	0	2	0	0.005	0.005	--	--	0.002	0.002
Bromomethane	0	2	0	0.005	0.009	--	--	0.004	0.004
n-Butylbenzene	1	2	50	0.005	0.005	0.005	0.005	0.004	0.004
sec-Butylbenzene	0	2	0	0.005	0.005	--	--	0.002	0.002
tert-Butylbenzene	0	2	0	0.005	0.005	--	--	0.002	0.002
Carbon disulfide	0	1	0	0.005	0.005	--	--	0.002	0.002
Carbon Tetrachloride	0	2	0	0.005	0.005	--	--	0.002	0.002
Chlorobenzene	0	2	0	0.005	0.005	--	--	0.002	0.002
Chloroethane	0	2	0	0.005	0.009	--	--	0.004	0.004
Chloroform	0	2	0	0.005	0.005	--	--	0.002	0.002
Chloromethane	0	2	0	0.005	0.009	--	--	0.004	0.004
Cyclohexane	0	1	0	0.001	0.001	--	--	0.001	0.001
Dibromochloromethane	0	2	0	0.005	0.005	--	--	0.002	0.002
Dibromomethane	0	2	0	0.005	0.005	--	--	0.002	0.002
Dichlorobromomethane	0	2	0	0.005	0.005	--	--	0.002	0.002
Ethylbenzene	1	2	50	0.005	0.005	0.051	0.051	0.027	0.027
Freon 11	0	2	0	0.005	0.009	--	--	0.004	0.004
Freon 12	0	1	0	0.009	0.009	--	--	0.005	0.005
Freon 113	0	1	0	0.005	0.005	--	--	0.002	0.002
Hexachlorobutadiene	0	2	0	0.200	0.400	--	--	0.002	0.002
Isopropylbenzene	0	2	0	0.005	0.005	--	--	0.002	0.002
p-Isopropyltoluene	0	2	0	0.005	0.005	--	--	0.002	0.002
Methyl Ethyl Ketone	1	2	50	0.050	0.050	0.021	0.021	0.023	0.023
Methyl isobutyl ketone (MIBK)	0	2	0	0.024	0.050	--	--	0.019	0.019
Methyl tert-butyl ether	0	1	0	0.005	0.005	--	--	0.002	0.002
Methylene chloride	0	2	0	0.003	0.005	--	--	0.002	0.002
Naphthalene	0	2	0	0.100	0.400	--	--	0.004	0.004
n-Propylbenzene	0	2	0	0.005	0.005	--	--	0.002	0.002
Styrene	0	2	0	0.005	0.009	--	--	0.004	0.004
Tetrachloroethene	0	2	0	0.005	0.005	--	--	0.002	0.002
Toluene	0	2	0	0.005	0.005	--	--	0.002	0.002
Trichloroethene	0	2	0	0.005	0.005	--	--	0.002	0.002
Vinyl chloride	0	2	0	0.005	0.009	--	--	0.004	0.004
Xylene-m,p	0	1	0	0.010	0.010	--	--	0.005	0.005
Xylene-o	0	1	0	0.005	0.005	--	--	0.003	0.003
Xylenes (Total)	0	1	0	0.005	0.005	--	--	0.002	0.002

Note: Units in mg/kg

TABLE 2
SITE-WIDE SUMMARY OF SHALLOW SOIL DATA (0-15' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
Cyanide	0	96	0	0.500	0.500	--	--	0.250	0.250
Metals									
Ag	0	174	0	0.200	10	0.280	0.610	0.100	0.290
Al	97	97	100	0.001	1.0	10000	27000	18000	17470
As	171	175	98	1.8	10	1.0	30	3.6	5.6
Ba	174	174	100	0.0	0.0	77.5	289	138	138
Be	154	174	89	0.500	1.2	0.250	1.1	0.520	0.531
Ca	97	98	99	0.500	0.500	3500	18000	7300	7536
Cd	119	173	69	0.500	5.0	0.064	17	6.8	6.1
Co	174	174	100	0.0	0.0	4.9	17.3	9.6	9.6
Cr	208	208	100	0.400	0.400	12	153	23	25
Cr (Hex)	36	48	75	0.400	0.400	0.200	3.8	0.260	0.453
Cu	174	174	100	0.0	0.0	6.5	40700	26	427
Fe	97	97	100	0.0	0.0	16000	43000	25000	25260
Hg	63	174	36	0.100	0.200	0.021	2.9	0.100	0.115
K	97	97	100	0.0	0.0	2400	6900	3500	3635
Mg	97	97	100	0.0	0.0	5300	13000	7100	7501
Mn	97	97	100	0.0	0.0	270	620	390	436.8
Mo	50	77	65	0.500	40	0.31	2.8	0.650	1.1
Na	97	97	100	0.004	80	270	4100	670	806
Ni	174	174	100	0.170	80	8.9	70.3	16	17
Pb	165	174	95	4.0	4.0	2.5	586	9.7	19
Sb	17	159	11	0.500	60	0.600	1.1	5.0	3.9
Se	50	168	30	0.400	5.0	0.420	2.6	0.200	0.522
Tl	19	174	11	0.500	7.0	0.58	12	3.0	2.1
V	174	174	100	0.005	4000	25	160	42	44
Zn	174	174	100	0.0	0.0	28	184	56	64
Pesticides/PCBs									
4,4'-DDD	44	127	35	0.001	1.0	0.004	2.7	0.004	0.113
4,4'-DDE	50	127	39	0.001	1.0	0.002	2.2	0.002	0.157
4,4'-DDT	57	127	45	0.001	0.100	0.002	9.1	0.003	0.678
Aldrin	0	127	0	0.001	1.0	--	--	0.001	0.048
Aroclor 1016	0	130	0	0.003	30	--	--	0.020	1.4
Aroclor 1221	0	130	0	0.003	30	--	--	0.020	1.4
Aroclor 1232	0	130	0	0.003	30	--	--	0.020	1.4
Aroclor 1242	0	130	0	0.003	30	--	--	0.020	1.4
Aroclor 1248	0	130	0	0.003	30	--	--	0.020	1.4
Aroclor 1254	0	130	0	0.003	30	--	--	0.020	1.4
Aroclor 1260	6	130	5	0.003	30	0.020	0.420	0.020	1.4
Aroclor 1262	0	12	0	0.050	0.100	--	--	0.050	0.044
Chlordane	0	101	0	0.010	10	--	--	0.005	0.559

TABLE 2
SITE-WIDE SUMMARY OF SHALLOW SOIL DATA (0-15' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
Dieldrin	14	127	11	0.002	2.0	0.005	0.010	0.001	0.093
Endosulfan I	0	127	0	0.002	2.0	--	--	0.001	0.092
Endosulfan II	0	127	0	0.002	2.0	--	--	0.002	0.095
Endosulfan sulfate	0	127	0	0.002	3.0	--	--	0.002	0.145
Endrin	0	127	0	0.002	2.0	--	--	0.002	0.095
Endrin aldehyde	0	127	0	0.001	2.4	--	--	0.003	0.056
Heptachlor	0	127	0	0.001	1.0	--	--	0.001	0.048
Heptachlor epoxide	0	127	0	0.002	2.0	--	--	0.001	0.092
Methoxychlor	0	127	0	0.002	6.8	--	--	0.005	0.121
Total PCB's	0	96	0	0.030	30	--	--	0.015	1.9
Toxaphene	0	127	0	0.067	200	--	--	0.100	9.0
alpha-BHC	0	127	0	0.001	1.0	--	--	0.001	0.048
alpha-Chlordane	0	26	0	0.002	0.680	--	--	0.001	0.016
beta-BHC	0	127	0	0.001	1.0	--	--	0.001	0.048
delta-BHC	0	127	0	0.001	1.0	--	--	0.001	0.048
gamma-BHC	0	127	0	0.001	1.0	--	--	0.001	0.048
gamma-Chlordane	0	26	0	0.002	0.800	--	--	0.002	0.018
SVOCs									
1,2,4-Trichlorobenzene	0	84	0	0.005	80	--	--	0.100	0.707
1,2-Dichlorobenzene	0	84	0	0.005	80	--	--	0.100	0.711
1,2-Diphenylhydrazine	0	78	0	0.200	80	--	--	0.100	0.728
1,3-Dichlorobenzene	0	84	0	0.005	80	--	--	0.100	0.741
1,4-Dichlorobenzene	0	84	0	0.005	80	--	--	0.100	0.711
2,4,5-Trichlorophenol	0	83	0	0.200	200	--	--	0.100	1.6
2,4,6-Trichlorophenol	0	83	0	0.170	80	--	--	0.100	0.834
2,4-Dichlorophenol	0	83	0	0.170	80	--	--	0.100	0.834
2,4-Dimethylphenol	0	83	0	0.170	80	--	--	0.100	0.834
2,4-Dinitrophenol	0	83	0	0.200	200	--	--	0.100	1.6
2,4-Dinitrotoluene	0	84	0	0.170	80	--	--	0.100	0.752
2,6-Dinitrotoluene	0	84	0	0.170	80	--	--	0.100	0.826
2-Chloronaphthalene	0	84	0	0.170	80	--	--	0.100	0.826
2-Chlorophenol	0	83	0	0.170	80	--	--	0.100	0.834
2-Methyl-4,6-dinitrophenol	0	83	0	0.200	200	--	--	0.100	1.6
2-Methylnaphthalene	133	298	45	0.005	80	0.0003	49	0.007	0.573
2-Methylphenol	0	83	0	0.170	40	--	--	0.100	0.577
2-Nitroaniline	0	84	0	0.200	400	--	--	0.100	2.9
2-Nitrophenol	0	83	0	0.170	80	--	--	0.100	0.834
3,3'-Dichlorobenzidine	0	84	0	0.340	80	--	--	0.350	1.3
3-Nitroaniline	0	84	0	0.200	200	--	--	0.100	1.6
4-Bromophenyl phenyl ether	0	84	0	0.170	40	--	--	0.100	0.571
4-Chloro-3-methylphenol	0	83	0	0.170	80	--	--	0.100	0.834

TABLE 2
SITE-WIDE SUMMARY OF SHALLOW SOIL DATA (0-15' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
4-Chloroaniline	0	84	0	0.170	40	--	--	0.100	0.571
4-Chlorophenyl phenyl ether	0	84	0	0.170	40	--	--	0.100	0.571
4-Methylphenol	0	83	0	0.170	80	--	--	0.150	0.958
4-Nitroaniline	0	84	0	0.200	200	--	--	0.100	1.6
4-Nitrophenol	0	83	0	0.200	200	--	--	0.100	1.6
Acenaphthene	55	298	18	0.005	40	0.001	4.7	0.011	0.211
Acenaphthylene	80	298	27	0.005	40	0.001	1.7	0.011	0.203
Aniline	0	84	0	0.170	80	--	--	0.100	0.826
Anthracene	106	298	36	0.005	40	0.0004	18	0.008	0.309
Azobenzene	0	5	0	0.005	5.0	--	--	2.5	1.5
Benzidine	0	6	0	1.7	5.0	--	--	2.5	2.2
Benzo(a)anthracene	141	298	47	0.005	40	0.0003	4.8	0.015	0.222
Benzo(a)pyrene	124	298	42	0.005	40	0.001	13	0.013	0.243
Benzo(b)fluoranthene	128	298	43	0.005	40	0.001	10	0.016	0.226
Benzo(g,h,i)perylene	128	298	43	0.005	40	0.0004	16	0.012	0.236
Benzo(k)fluoranthene	123	298	41	0.005	80	0.0003	6.7	0.013	0.284
Benzoic acid	0	83	0	0.850	40	--	--	1.0	4.4
Benzyl alcohol	0	84	0	0.170	80	--	--	0.100	0.845
Bis(2-chloroethoxy)methane	0	84	0	0.170	80	--	--	0.100	0.826
Bis(2-chloroethyl)ether	0	84	0	0.170	80	--	--	0.100	0.826
Bis(2-chloroisopropyl)ether	0	84	0	0.170	80	--	--	0.100	0.826
Bis(2-ethylhexyl)phthalate	6	84	7.1	0.170	80	0.770	0.770	0.150	0.993
Butylbenzylphthalate	6	84	7.1	0.170	40	0.340	0.340	0.100	0.588
Chrysene	149	298	50	0.005	80	0.0004	6.4	0.024	0.309
Di-n-butylphthalate	1	84	1.2	0.170	80	0.330	0.330	0.100	0.829
Di-n-octylphthalate	0	84	0	0.170	40	--	--	0.100	0.571
Dibenzo(a,h)anthracene	94	298	32	0.005	80	0.0002	1.7	0.005	0.250
Dibenzofuran	0	84	0	0.170	40	--	--	0.100	0.571
Diethylphthalate	0	84	0	0.170	40	--	--	0.100	0.571
Dimethylphthalate	0	84	0	0.170	40	--	--	0.100	0.571
Fluoranthene	159	298	53	0.005	40	0.0003	8.8	0.022	0.280
Fluorene	58	298	19	0.005	40	0.001	17	0.013	0.308
Hexachlorobenzene	0	84	0	0.170	40	--	--	0.100	0.497
Hexachlorobutadiene	0	84	0	0.005	80	--	--	0.100	0.766
Hexachlorocyclopentadiene	0	84	0	0.170	80	--	--	0.100	0.843
Hexachloroethane	0	84	0	0.170	80	--	--	0.100	0.826
Indeno(1,2,3-c,d)pyrene	103	298	35	0.005	80	0.001	19	0.010	0.349
Isophorone	0	84	0	0.170	80	--	--	0.100	0.826
N-Nitrosodimethylamine	0	84	0	0.170	80	--	--	0.100	0.826
N-Nitrosodiphenylamine	1	84	1.2	0.170	10	280	280	0.100	3.7
N-Nitrosodipropylamine	0	84	0	0.170	80	--	--	0.100	0.826

TABLE 2
SITE-WIDE SUMMARY OF SHALLOW SOIL DATA (0-15' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
Naphthalene	120	298	40	0.004	80	0.0003	87	0.005	0.606
Nitrobenzene	0	84	0	0.170	80	--	--	0.100	0.826
Pentachlorophenol	0	83	0	0.200	200	--	--	0.100	1.6
Phenanthrene	169	298	57	0.005	40	0.0003	120	0.027	0.984
Phenol	0	83	0	0.170	80	--	--	0.100	0.834
Pyrene	168	298	56	0.005	40	0.0004	16	0.034	0.409
VOCs									
1,1,1,2-Tetrachloroethane	0	168	0	0.001	5.0	--	--	0.002	0.095
1,1,1-Trichloroethane	0	211	0	0.001	400	--	--	0.002	1.5
1,1,2,2-Tetrachloroethane	0	211	0	0.001	400	--	--	0.002	1.5
1,1,2-Trichloroethane	0	211	0	0.001	400	--	--	0.002	1.5
1,1-Dichloroethane	1	211	0.47	0.001	400	0.011	0.011	0.002	1.5
1,1-Dichloroethene	0	211	0	0.001	400	--	--	0.002	1.5
1,1-Dichloropropene	0	163	0	0.001	2.7	--	--	0.002	0.021
1,2,3-Trichlorobenzene	0	163	0	0.001	2.7	--	--	0.002	0.021
1,2,3-Trichloropropane	0	168	0	0.001	5.0	--	--	0.002	0.096
1,2,4-Trichlorobenzene	1	164	0.61	0.005	80	0.020	0.020	0.002	0.021
1,2,4-Trimethylbenzene	6	170	3.5	0.001	2.7	0.006	76	0.002	0.563
1,2-Dibromo-3-chloropropane	0	131	0	0.005	5.3	--	--	0.004	0.050
1,2-Dibromoethane (EDB)	0	164	0	0.001	2.7	--	--	0.002	0.021
1,2-Dichlorobenzene	0	207	0	0.005	80	--	--	0.002	1.6
1,2-Dichloroethane	0	211	0	0.001	400	--	--	0.002	1.5
1,2-Dichloroethene (cis)	3	211	1.4	0.001	400	0.003	0.011	0.002	1.5
1,2-Dichloroethene (trans)	0	211	0	0.001	400	--	--	0.002	1.5
1,2-Dichloropropane	0	211	0	0.001	400	--	--	0.002	1.5
1,3,5-Trimethylbenzene	3	170	1.8	0.001	3.0	0.006	1.5	0.002	0.038
1,3-Butadiene	0	11	0	0.005	0.050	--	--	0.025	0.023
1,3-Dichlorobenzene	0	207	0	0.005	80	--	--	0.002	1.6
1,3-Dichloropropane	0	163	0	0.001	2.7	--	--	0.002	0.021
1,3-Dichloropropene (cis)	0	211	0	0.001	400	--	--	0.002	1.5
1,3-Dichloropropene (trans)	0	211	0	0.001	400	--	--	0.002	1.5
1,4-Dichlorobenzene	0	207	0	0.005	80	--	--	0.002	1.6
2,2-Dichloropropane	0	163	0	0.001	2.7	--	--	0.002	0.021
2-Chloroethylvinylether	0	43	0	0.005	400	--	--	0.003	7.7
2-Chlorotoluene	0	163	0	0.001	2.7	--	--	0.002	0.021
2-Hexanone	1	206	0.49	0.005	2000	45	45	0.012	8.1
4-Chlorotoluene	0	163	0	0.001	2.7	--	--	0.002	0.021
Acetone	14	207	6.8	0.005	8000	0.014	0.32	0.012	30
Acrolein	0	3	0	0.300	1300	--	--	2.5	218
Acrylonitrile	0	10	0	0.300	1300	--	--	0.25	85
Benzene	26	227	11	0.001	400	0.001	300	0.002	2.9

TABLE 2
SITE-WIDE SUMMARY OF SHALLOW SOIL DATA (0-15' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
Bromobenzene	0	168	0	0.001	5.0	--	--	0.002	0.095
Bromochloromethane	0	163	0	0.001	2.7	--	--	0.002	0.021
Bromoform	0	211	0	0.001	400	--	--	0.002	1.5
Bromomethane	0	211	0	0.001	400	--	--	0.004	1.6
n-Butylbenzene	14	163	8.6	0.001	2.7	0.001	27	0.002	0.188
sec-Butylbenzene	12	170	7.1	0.001	3.0	0.002	51	0.002	0.342
tert-Butylbenzene	1	170	0.59	0.001	3.0	0.002	0.002	0.002	0.032
Carbon disulfide	2	174	1.2	0.004	800	0.002	0.005	0.002	3.7
Carbon Tetrachloride	0	211	0	0.001	400	--	--	0.002	1.5
Chlorobenzene	0	211	0	0.001	400	--	--	0.002	1.5
Chloroethane	0	211	0	0.001	400	--	--	0.004	1.5
Chloroform	5	211	2.4	0.001	400	0.0011	0.0035	0.002	1.5
Chloromethane	0	211	0	0.001	400	--	--	0.004	1.6
Cyclohexane	3	39	7.7	0.001	10	0.004	110	0.001	3.0
Dibromochloromethane	0	211	0	0.001	400	--	--	0.002	1.5
Dibromomethane	0	168	0	0.001	5.0	--	--	0.002	0.095
Dichlorobromomethane	0	205	0	0.001	400	--	--	0.002	1.6
Ethylbenzene	36	228	16	0.001	5.0	0.001	12000	0.003	147
Freon 11	0	206	0	0.001	400	--	--	0.004	1.6
Freon 12	0	142	0	0.005	5.3	--	--	0.004	0.061
Freon 113	0	118	0	0.004	25	--	--	0.002	0.163
Hexachlorobutadiene	0	145	0	0.005	80	--	--	0.002	0.023
Isopropylbenzene	9	170	5.3	0.001	3.0	0.001	3.8	0.002	0.062
p-Isopropyltoluene	3	163	1.8	0.001	2.7	0.002	6.4	0.002	0.057
Methyl Ethyl Ketone	5	208	2.4	0.010	2000	0.016	0.093	0.012	7.8
Methyl isobutyl ketone (MIBK)	1	205	0.49	0.010	2000	24	24	0.012	8.0
Methyl tert-butyl ether	1	126	0.79	0.004	2.7	0.033	0.033	0.002	0.026
Methylene chloride	0	211	0	0.003	400	--	--	0.002	1.5
Naphthalene	16	176	9.1	0.004	80	0.0003	87	0.002	0.161
n-Propylbenzene	5	170	2.9	0.001	3.0	0.003	1.7	0.002	0.043
Styrene	9	208	4.3	0.001	100	0.001	15000	0.004	73
Tetrachloroethene	31	211	15	0.001	400	0.002	0.660	0.003	1.5
Toluene	12	228	5.3	0.001	400	0.002	34	0.002	1.7
Trichloroethene	24	211	11	0.001	400	0.003	0.290	0.003	1.5
Vinyl acetate	0	66	0	0.005	4000	--	--	0.025	49
Vinyl chloride	0	211	0	0.001	400	--	--	0.004	1.5
Xylene-m,p	4	55	7.3	0.002	0.200	0.003	1.1	0.003	0.028
Xylene-o	1	55	1.8	0.001	0.100	0.015	0.015	0.001	0.004
Xylenes (Total)	7	171	4.1	0.004	400	0.004	72	0.003	4.1

TABLE 3
SITE-WIDE SUMMARY OF DEEP SOIL DATA (>15' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
VOCs									
1,1,1,2-Tetrachloroethane	0	15	0	0.100	0.310	--	--	0.050	0.057
1,1,1-Trichloroethane	0	69	0	0.005	20	--	--	0.025	0.202
1,1,2,2-Tetrachloroethane	0	69	0	0.003	20	--	--	0.025	0.201
1,1,2-Trichloroethane	0	69	0	0.003	20	--	--	0.025	0.201
1,1-Dichloroethane	0	69	0	0.005	20	--	--	0.025	0.202
1,1-Dichloroethene	0	69	0	0.003	20	--	--	0.025	0.201
1,1-Dichloropropene	0	15	0	0.100	0.310	--	--	0.050	0.057
1,2,3-Trichlorobenzene	0	15	0	0.100	0.310	--	--	0.050	0.057
1,2,3-Trichloropropane	0	15	0	0.200	0.310	--	--	0.100	0.104
1,2,4-Trichlorobenzene	0	15	0	0.200	2.0	--	--	0.050	0.057
1,2,4-Trimethylbenzene	1	29	3	0.005	1.0	3.3	3.3	0.050	0.173
1,2-Dibromo-3-chloropropane	0	15	0	0.100	0.620	--	--	0.050	0.067
1,2-Dibromoethane (EDB)	0	23	0	0.005	0.310	--	--	0.050	0.038
1,2-Dichlorobenzene	1	66	2	0.200	2.0	0.690	0.690	0.026	0.220
1,2-Dichloroethane	0	69	0	0.003	20	--	--	0.025	0.201
1,2-Dichloroethene (cis)	0	69	0	0.005	20	--	--	0.025	0.202
1,2-Dichloroethene (trans)	0	69	0	0.005	20	--	--	0.025	0.202
1,2-Dichloropropane	0	69	0	0.003	20	--	--	0.025	0.201
1,3,5-Trimethylbenzene	0	29	0	0.005	3.0	--	--	0.050	0.111
1,3-Dichlorobenzene	1	66	2	0.200	2.0	2.1	2.1	0.026	0.242
1,3-Dichloropropane	0	15	0	0.100	0.310	--	--	0.050	0.057
1,3-Dichloropropene (cis)	0	69	0	0.003	20	--	--	0.025	0.201
1,3-Dichloropropene (trans)	0	69	0	0.005	20	--	--	0.025	0.202
1,4-Dichlorobenzene	0	66	0	0.200	2.0	--	--	0.026	0.210
2,2-Dichloropropane	0	15	0	0.100	0.310	--	--	0.050	0.057
2-Chloroethylvinylether	0	54	0	0.005	20	--	--	0.003	0.478
2-Chlorotoluene	0	15	0	0.100	0.310	--	--	0.050	0.057
2-Hexanone	0	69	0	0.030	100	--	--	0.250	1.2
4-Chlorotoluene	0	15	0	0.100	0.310	--	--	0.050	0.057
Acetone	0	69	0	0.050	400	--	--	0.250	3.8
Acrylonitrile	0	19	0	0.300	300	--	--	2.5	12
Benzene	64	136	47	0.003	0.130	0.013	2500	0.050	36
Bromobenzene	0	15	0	0.100	0.310	--	--	0.050	0.057
Bromochloromethane	0	15	0	0.100	0.310	--	--	0.050	0.057
Bromoform	0	69	0	0.005	20	--	--	0.050	0.207
Bromomethane	0	69	0	0.005	20	--	--	0.050	0.214
n-Butylbenzene	0	15	0	0.100	0.310	--	--	0.050	0.057
sec-Butylbenzene	0	29	0	0.005	3.0	--	--	0.050	0.111
tert-Butylbenzene	0	29	0	0.005	3.0	--	--	0.050	0.111
Carbon disulfide	0	68	0	0.010	40	--	--	0.025	0.390

Note: Units in mg/kg

TABLE 3
SITE-WIDE SUMMARY OF DEEP SOIL DATA (>15' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
Carbon Tetrachloride	0	69	0	0.003	20	--	--	0.025	0.201
Chlorobenzene	0	69	0	0.005	20	--	--	0.025	0.202
Chloroethane	0	69	0	0.005	20	--	--	0.025	0.205
Chloroform	0	69	0	0.003	20	--	--	0.025	0.201
Chloromethane	0	69	0	0.005	20	--	--	0.050	0.214
Cyclohexane	0	14	0	0.005	30	--	--	0.025	1.7
Dibromochloromethane	0	69	0	0.005	20	--	--	0.025	0.202
Dibromomethane	0	15	0	0.100	0.310	--	--	0.050	0.057
Dichlorobromomethane	0	69	0	0.003	20	--	--	0.025	0.201
Ethylbenzene	9	137	7	0.001	20	0.003	14	0.013	0.449
Freon 11	0	66	0	0.005	20	--	--	0.026	0.213
Freon 12	0	29	0	0.005	3.0	--	--	0.050	0.177
Freon 113	0	20	0	0.010	5.0	--	--	0.100	0.250
Hexachlorobutadiene	0	15	0	0.200	2.0	--	--	0.050	0.057
Isopropylbenzene	0	29	0	0.005	3.0	--	--	0.050	0.111
p-Isopropyltoluene	0	15	0	0.100	0.310	--	--	0.050	0.057
Methyl Ethyl Ketone	1	71	1	0.025	100	0.110	0.110	0.250	1.1
Methyl isobutyl ketone (MIBK)	0	69	0	0.020	100	--	--	0.250	1.1
Methyl tert-butyl ether	0	1	0	0.310	0.310	--	--	0.155	0.155
Methylene chloride	2	69	3	0.005	20	0.006	0.008	0.050	0.207
Naphthalene	2	34	6	0.005	1.0	3.0	3.0	0.050	0.180
n-Propylbenzene	0	29	0	0.005	3.0	--	--	0.100	0.135
Styrene	9	71	13	0.001	20	0.006	11	0.025	0.376
Tetrachloroethene	0	69	0	0.005	20	--	--	0.025	0.202
Toluene	26	137	19	0.001	10	0.001	160	0.013	1.9
Trichloroethene	0	69	0	0.005	20	--	--	0.025	0.202
Vinyl acetate	0	67	0	0.010	200	--	--	0.250	2.0
Vinyl chloride	0	69	0	0.003	20	--	--	0.025	0.203
Xylene-m,p	0	14	0	0.200	0.200	--	--	0.100	0.100
Xylene-o	0	14	0	0.100	0.100	--	--	0.050	0.050
Xylenes (Total)	3	121	2	0.005	60	32	78	0.025	2.0

Note: Units in mg/kg

TABLE 4
SITE-WIDE SUMMARY OF SHALLOW SOIL GAS DATA (0-15' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
1,1,1-Trichloroethane	96	613	16	3.264	8704	9.247	7104	32.64	134
1,1,2,2-Tetrachloroethane	2	75	2.7	4.123	549700	7.558	22.67	27.48	7576
1,1,2-Trichloroethane	0	158	0	3.264	130600	--	--	272	1215
1,1-Dichloroethane	1	403	0.25	2.429	202500	113	113	202.5	663
1,1-Dichloroethene	6	612	1.0	2.378	6341	3.488	6103	39.63	143
1,2,4-Trichlorobenzene	1	75	1.3	4.466	1042000	28.29	28.29	52.11	13830
1,2,4-Trimethylbenzene	35	75	47	2.949	294900	1.671	83570	49.16	4916
1,2-Dibromoethane (EDB)	3	303	1.0	4.614	307600	22300	37370	7689	7755
1,2-Dichlorobenzene	3	75	4.0	3.607	240500	7.215	270600	30.06	7666
1,2-Dichloroethane	0	570	0	2.429	64790	--	--	40.49	161
1,2-Dichloroethene (cis)	1	496	0.20	2.378	63410	5.945	5.945	39.63	249
1,2-Dichloroethene (trans)	0	404	0	7.926	317100	--	--	39.63	833
1,2-Dichloropropane	0	74	0	2.773	739500	--	--	26.57	9444
1,3,5-Trimethylbenzene	17	75	23	2.949	245800	0.9832	138	19.66	3662
1,3-Butadiene	0	6	0	5.973	123900	--	--	40.93	11960
1,3-Dichlorobenzene	0	75	0	3.608	360800	--	--	18.04	5193
1,3-Dichloropropene (cis)	0	75	0	2.723	272300	--	--	13.62	3920
1,3-Dichloropropene (trans)	0	75	0	2.723	272300	--	--	13.62	3920
1,4-Dichlorobenzene	5	158	3.2	3.607	192400	6.012	222500	902	3281
1,4-Dioxane	0	6	0	9.730	201800	--	--	66.67	19480
2-Hexanone	6	75	8.0	11.06	409700	11.06	164	28.68	6985
4-Ethyl Toluene	29	74	39	9.832	393300	5.899	63910	40.31	6268
Acetone	36	75	48	7.129	475300	3.564	547	49.9	7191
Acetonitrile	7	328	2.1	167.7	134200	18.45	185	839	1191
Benzene	211	875	24	1.917	1597	0.575	13000000	160	91920
Benzyl chloride	0	75	0	3.107	207100	--	--	14.5	3234
Bromoform	0	75	0	20.70	579500	--	--	28.97	9820
Bromomethane	0	75	0	2.330	233000	--	--	11.65	3353
n-Butylbenzene	0	230	0	1098	10980	--	--	549	602
Carbon disulfide	3	75	4.0	8.407	622700	1.65	17.13	43.59	9397
Carbon Tetrachloride	1	75	1.3	3.779	251900	62.36	62.36	22.05	3935
Chlorobenzene	0	404	0	2.773	231100	--	--	231	1005
Chloroethane	1	303	0.33	1.583	263800	8.178	8.178	2638	3078
Chloroform	17	495	3.4	2.920	77870	13.14	7787	48.67	232
Chloromethane	6	69	8.7	1.252	104300	2.92	95.95	14.6	1772
Chloroprene	0	6	0	9.777	202800	--	--	66.99	19580
Cyclohexane	59	669	8.8	9.294	6884	12.39	11360000	172	59000
Dibromochloromethane	0	74	0	17.01	510400	--	--	25.52	10230
Dichlorobromomethane	2	75	2.7	13.42	375600	19.45	2549000	19.45	39960
Ethanol	1	6	17	5.087	105500	13.75	13.75	40.32	10190
Ethylbenzene	155	841	18	2.601	21680	6.07	78040000	217	196700
Freon 11	23	74	31	3.922	112100	7.284	7284	23.11	2555
Freon 12	7	56	13	2.969	198000	1.683	1930	34.89	4170
Freon 113	19	75	25	5.365	306600	9.197	61310	32.57	6882
Freon 114	3	68	4.4	4.194	279600	2.796	643.1	22.72	4808
Heptane	3	6	50	11.07	291.0	1.803	4508000	75.82	949400

Note: Units in ug/m^3

TABLE 4
SITE-WIDE SUMMARY OF SHALLOW SOIL GAS DATA (0-15' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
Hexachlorobutadiene	0	75	0	6.399	1067000	--	--	58.66	14720
n-Hexane	2	6	33	9.517	250.2	32430	59920	65.21	15410
Isoprene	0	170	0	557.2	5572	--	--	279	315
Isopropanol	1	6	17	6.636	137600	0.9586	0.9586	45.47	13290
Methyl Ethyl Ketone	13	479	2.7	7.962	176900	7.077	145	147	606
Methyl isobutyl ketone (MIBK)	2	75	2.7	11.04	245400	12.27	110	22.5	5016
Methyl tert-butyl ether	0	6	0	9.729	201800	--	--	66.66	19480
Methylene chloride	3	571	0.53	2.086	111200	5.562	6.605	34.77	194
n-Propylbenzene	0	230	0	983.2	9832	--	--	492	539
Propylene	0	6	0	4.647	96380	--	--	31.84	9305
Styrene	67	841	8.0	2.552	23820	5.955	8082000	213	11270
Tetrachloroethene	223	613	36	13.58	16290	9.505	1426000	40.74	8331
Tetrahydrofuran	0	6	0	7.963	165200	--	--	54.56	15950
Toluene	157	841	19	2.268	18900	2.494	1565000	189	9501
Trichloroethene	74	612	12	3.215	10720	18.22	2872000	32.15	8695
Vinyl acetate	0	75	0	8.803	197200	--	--	35.21	4314
Vinyl chloride	0	73	0	1.534	127800	--	--	8.947	1955
m,p-Xylene	31	410	7.6	2.605	21710	0.8251	1042000	217	7431
o-Xylene	2	6	33	2.601	9538	0.9971	320800	20.27	54270
Xylenes (Total)	51	297	17	15.17	433500	6.503	186400	217	2127

Note: Units in ug/m^3

TABLE 5
SITE-WIDE SUMMARY OF DEEP SOIL GAS DATA (>15' bgs)
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Detects	Number of Samples	Percent Detection	Minimum Detection Limit of Nondetects	Maximum Detection Limit of Nondetects	Minimum Detection	Maximum Detection	Median Detection	Mean Detection
1,1,1-Trichloroethane	4	12	33	179.5	2720	70.72	6256	136	864.5
1,1,2-Trichloroethane	1	12	8	544.0	5440	576.6	576.6	272	909.3
1,1-Dichloroethene	1	12	8	396.3	3963	31190	31190	198.2	3227
1,2-Dichloroethane	8	12	67	404.9	4049	4373	58310	9283	17510
1,2-Dichloroethene (cis)	0	12	0	396.3	3963	--	--	198.2	644
1,4-Dichlorobenzene	0	12	0	1804	18040	--	--	9018	6989
Benzene	12	12	100	0.0	0.0	5622000	98380000	36410000	39520000
Chloroform	5	12	42	243.4	2434	102.2	447.8	146	363.4
Ethylbenzene	4	12	33	1301	13010	4509	1344000	6503	303200
Methylene chloride	0	12	0	347.7	3477	--	--	173.8	564.9
Styrene	0	12	0	1276	12760	--	--	6380	4945
Tetrachloroethene	1	12	8	407.4	4074	1412	1412	203.7	762.7
Toluene	11	12	92	1134	1134	7558	714300	94480	203800
Trichloroethene	8	12	67	321.5	3215	69.65	8037	345.6	1535

Note: Units in ug/m^3

TABLE 6
PARCEL-SPECIFIC SUMMARY OF WORKPLACE AIR MONITORING DATA
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Chemical	Number of Results	Number of Detects	Percent Detection	Minimum Detection	Maximum Detection	Mean	Shapiro-Wilk P-Normal	Shapiro-Wilk P-Log	T-based UCL	Land-based UCL	Cheby-chev UCL	Selection Method	EPC Value (ug/m^3)
7351-031-020	2	1,1,1-Trichloroethane	15	15	100	28.8	1030	369	0.0312	0.7320	515	894	740	L	894
		Benzene	15	15	100	3.83	18.2	9.73	0.0628	0.0269	12	14	15.6	T	12
		Cyclohexane	15	7	47	5.51	14.5	6.79	0.0013	0.0348	9.21	12.1	12.9	C	12.9
		Ethylbenzene	15	15	100	9.10	38.6	19.6	0.1000	0.5090	23.8	25.3	30.3	L	25.3
		Methyl Ethyl Ketone	15	11	73	4.72	76.7	13.5	0.00002	0.2020	22.2	25.5	35.5	L	25.5
		Methylene chloride	15	15	100	2.85	41.7	19	0.2410	0.3870	24.6	33.9	33.2	L	33.9
		Styrene	15	12	80	1.28	8.93	3.08	0.0054	0.8120	4.27	5.41	6.09	L	5.41
		Tetrachloroethene	15	10	67	5.36	8.15	4.69	0.0057	0.0006	5.9	8.82	7.77	C	7.77
		Toluene	15	15	100	16.3	56.7	36.4	0.8420	0.3620	41.6	44	49.7	T	41.6
		Trichloroethene	15	3	20	2.84	8.04	1.74	0.0000	0.0031	2.8	2.98	4.42	C	4.42
		Xylene-m,p	15	15	100	34.7	147	78	0.1130	0.3460	94.5	101	120	L	101
		Xylene-o	15	15	100	10.4	35.6	22.8	0.3290	0.1990	26.5	28.3	32.3	T	26.5
7351-031-007	4	1,1,1-Trichloroethane	13	13	100	4.73	109	37.2	0.0469	0.3080	53.7	100	78.6	L	100
		1,1-Dichloroethene	13	1	7.7	2.42	2.42	0.697	0.0001	0.0199	0.969	0.0185	1.38	C	1.38
		Benzene	13	9	69	5.75	95.8	14.4	0.000003	0.0031	26.6	22.6	45	C	45
		Cyclohexane	13	3	23	4.82	18.9	4.18	0.0001	0.0192	6.58	6.84	10.2	C	10.2
		Ethylbenzene	13	13	100	3.47	18.2	8.1	0.1060	0.7140	10.2	11.1	13.3	L	11.1
		Methyl Ethyl Ketone	13	13	100	5.31	649	61	0.000001	0.0002	148	97	280	C	280
		Methylene chloride	13	9	69	0.591	17.7	4.09	0.0007	0.0676	6.79	14	10.9	L	14
		Styrene	13	12	92	3.32	34.5	14.2	0.8090	0.0055	18.7	52.6	25.4	T	18.7
		Tetrachloroethene	13	12	92	2.31	74.7	18.7	0.0009	0.0304	31.1	87.1	49.7	C	49.7
		Toluene	13	13	100	12.8	181	48.4	0.0003	0.6860	69.8	74.8	102	L	74.8
		Trichloroethene	13	9	69	1.02	8.04	2.54	0.0149	0.6820	3.61	4.83	5.22	L	4.83
		Xylene-m,p	13	10	77	8.24	65.0	22.7	0.0136	0.1200	31.1	37.4	43.8	L	37.4
		Xylene-o	13	11	85	3.25	24.3	8.71	0.0184	0.2040	11.7	13.9	16.2	L	13.9

Note: Units in ug/m^3

TABLE 6
PARCEL-SPECIFIC SUMMARY OF WORKPLACE AIR MONITORING DATA
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Chemical	Number of Results	Number of Detects	Percent Detection	Minimum Detection	Maximum Detection	Mean	Shapiro-Wilk P-Normal	Shapiro-Wilk P-Log	T-based UCL	Land-based UCL	Cheby-chev UCL	Selection Method	EPC Value (ug/m^3)
7351-033-017	5	1,1,1-Trichloroethane	12	8	67	4.19	21.2	9.34	0.0742	0.0078	13.3	47.9	19.2	T	13.3
		Benzene	12	12	100	1.25	35.1	11.9	0.1050	0.0580	17.1	45.2	24.8	T	17.1
		Cyclohexane	12	8	67	9.98	207	27.7	0.00001	0.0189	57.1	77.1	101	C	101
		Ethylbenzene	12	9	75	2.17	19.9	8.37	0.1940	0.0262	11.8	38.5	17	T	11.8
		Methyl Ethyl Ketone	12	7	58	4.72	21.8	8.98	0.0044	0.0118	13	18.6	18.9	C	18.9
		Methylene chloride	12	7	58	2.29	5.21	2.66	0.0144	0.0044	3.68	6.67	5.21	C	5.21
		Styrene	12	8	67	1.36	11.5	3.58	0.0284	0.1100	5.25	8.82	7.74	L	8.82
		Tetrachloroethene	12	8	67	4.35	36.7	7.51	0.0002	0.0978	12.5	20.6	20	L	20.6
		Toluene	12	12	100	2.23	90.7	37.6	0.2640	0.0224	53.2	251	76.4	T	53.2
		Trichloroethene	12	3	25	1.18	1.29	0.891	0.0341	0.0110	1.04	1.13	1.27	C	1.27
		Xylene-m,p	12	10	83	1.69	73.7	28.3	0.3040	0.0085	40.1	440	57.6	T	40.1
		Xylene-o	12	9	75	3.21	32.1	11.5	0.1770	0.0140	16.4	73.8	23.7	T	16.4
7351-033-027	9	1,1,1-Trichloroethane	9	9	100	2.56	17.4	10.6	0.7600	0.0678	13.4	18.7	17.4	T	13.4
		1,1-Dichloroethane	9	1	11	2.55	2.55	0.85	0.0001	0.0258	1.26	1.37	1.83	C	1.83
		Benzene	9	9	100	1.28	14.7	5.19	0.0588	0.4420	7.93	13.4	11.8	L	13.4
		Cyclohexane	9	2	22	17.2	17.9	6.18	0.0001	0.0047	10.2	14.2	15.8	C	15.8
		Ethylbenzene	9	6	67	2.17	13.9	4.71	0.0355	0.2690	7.68	21.7	11.8	M	13.9
		Methyl Ethyl Ketone	9	5	56	6.19	10.3	6.72	0.1360	0.0444	8.67	11.4	11.4	T	8.67
		Methylene chloride	9	2	22	1.25	1.29	1.07	0.0244	0.0158	1.32	1.48	1.68	M	1.29
		Styrene	9	6	67	2.34	5.96	3.06	0.1160	0.0898	4.4	8.37	6.27	T	4.4
		Tetrachloroethene	9	4	44	2.51	7.47	3.26	0.0033	0.0089	4.99	7.81	7.42	C	7.42
		Toluene	9	9	100	2.72	45.3	18.4	0.0330	0.0977	29	95.1	43.9	M	45.3
		Xylene-m,p	9	9	100	1.78	52.0	16.7	0.0546	0.3440	27.5	114	42.7	M	52
		Xylene-o	9	6	67	3.51	21.2	6.74	0.0512	0.2440	11.1	48.4	17.3	M	21.2

Note: Units in ug/m^3

TABLE 6
PARCEL-SPECIFIC SUMMARY OF WORKPLACE AIR MONITORING DATA
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Chemical	Number of Results	Number of Detects	Percent Detection	Minimum Detection	Maximum Detection	Mean	Shapiro-Wilk P-Normal	Shapiro-Wilk P-Log	T-based UCL	Land-based UCL	Cheby-chev UCL	Selection Method	EPC Value (ug/m^3)
7351-034-015, -050,-056	16	1,1,1-Trichloroethane	12	12	100	7.62	20.7	13.2	0.2020	0.5990	15.5	16.1	19.0	L	16.1
		Benzene	12	12	100	1.21	7.35	4.57	0.1990	0.0309	5.72	7.52	7.43	T	5.72
		Chlorobenzene	12	2	17	1.76	3.74	1.03	0.0001	0.0325	1.51	1.50	2.22	C	2.22
		Cyclohexane	12	6	50	3.13	41.3	7.63	0.00003	0.0166	13.3	13.4	21.7	C	21.7
		Ethylbenzene	12	12	100	2.73	12.6	6.99	0.5930	0.3540	8.47	9.45	10.7	T	8.47
		Methyl Ethyl Ketone	12	9	75	4.42	10.6	5.38	0.3480	0.7990	6.59	7.10	8.39	L	7.10
		Methylene chloride	12	7	58	1.63	13.6	3.39	0.0028	0.2090	5.48	10.8	8.59	L	10.8
		Styrene	12	10	83	1.62	9.36	4.98	0.0303	0.0625	6.82	12.4	9.57	M	9.36
		Tetrachloroethene	12	9	75	2.04	8.15	3.76	0.1450	0.2520	4.96	6.22	6.74	L	6.22
		Toluene	12	12	100	15.9	71.8	28.2	0.0008	0.0957	35.9	35.8	47.5	L	35.8
		Trichloroethene	12	2	17	42.9	53.6	8.70	0.00002	0.0001	18.3	44.1	32.7	C	32.7
		Xylene-m,p	12	12	100	10.4	52.0	27.2	0.6760	0.6890	33.3	37.1	42.3	L	37.1
		Xylene-o	12	12	100	3.69	14.7	9.12	0.2130	0.0777	11.2	12.9	14.2	T	11.2
7351-034-039	17	1,1,1-Trichloroethane	6	6	100	14.1	267	113	0.0828	0.0331	204	4980	315	T	204
		Benzene	6	6	100	2.43	15.7	7.44	0.1560	0.0957	12	31.8	17.7	T	12
		Ethylbenzene	6	6	100	2.25	9.10	5.51	0.0155	0.0119	8.37	16.4	11.9	M	9.1
		Methyl Ethyl Ketone	6	3	50	11.2	25.4	9.39	0.0515	0.0962	16.7	54.1	25.5	M	25.4
		Styrene	6	5	83	1.66	6.81	3.16	0.0301	0.2450	5.38	15.4	8.07	M	6.81
		Tetrachloroethene	6	3	50	6.04	7.47	3.98	0.0360	0.0178	6.44	20.4	9.43	M	7.47
		Toluene	6	6	100	9.45	45.3	26.2	0.0190	0.0121	41.4	104	59.8	M	45.3
		Trichloroethene	6	1	17	1.50	1.50	1.03	0.1990	0.5050	1.24	1.28	1.49	L	1.28
		Xylene-m,p	6	6	100	8.24	35.1	21	0.0183	0.0154	32.1	65.7	45.6	M	35.1
		Xylene-o	6	3	50	11.7	13.0	7	0.0120	0.0070	11.8	67.9	17.6	M	13

Note: Units in ug/m^3

TABLE 6
PARCEL-SPECIFIC SUMMARY OF WORKPLACE AIR MONITORING DATA
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Chemical	Number of Results	Number of Detects	Percent Detection	Minimum Detection	Maximum Detection	Mean	Shapiro-Wilk P-Normal	Shapiro-Wilk P-Log	T-based UCL	Land-based UCL	Cheby-chev UCL	Selection Method	EPC Value (ug/m^3)
7351-034-041	18	1,1,1-Trichloroethane	9	9	100	2.50	92.5	55	0.5390	0.0041	74.3	310	101	T	74.3
		Benzene	9	9	100	7.03	35.1	13.7	0.0012	0.1170	19	19.8	26.5	L	19.8
		Chloroform	9	1	11	3.89	3.89	1.08	0.00003	0.0094	1.74	1.86	2.68	C	2.68
		Cyclohexane	9	8	89	6.88	21.3	11.7	0.4820	0.3800	15.5	20.7	20.9	T	15.5
		Ethylbenzene	9	9	100	1.91	21.2	10.8	0.1460	0.2290	15.6	31.9	22.4	M	21.2
		Methyl Ethyl Ketone	9	7	78	10.0	73.7	27.3	0.1100	0.3060	42.9	161	64.8	M	73.7
		Methylene chloride	9	6	67	1.81	8.34	3.54	0.0063	0.0606	5.65	15.3	8.61	M	8.34
		Styrene	9	8	89	2.64	12.3	5.9	0.1970	0.3930	8.44	15.7	12	M	12.3
		Tetrachloroethene	9	7	78	3.39	29.9	10.2	0.0060	0.3910	17	49.2	26.5	M	29.9
		Toluene	9	9	100	8.31	246	88.6	0.2480	0.3770	136	441	202	M	246
		Trichloroethene	9	8	89	2.14	5.89	3.49	0.7560	0.3850	4.49	5.74	5.89	T	4.49
		Xylene-m,p	9	9	100	9.97	73.7	38.8	0.2350	0.1470	54.5	92.5	76.5	T	54.5
		Xylene-o	9	9	100	4.34	29.5	14.9	0.1400	0.1890	21.2	33.8	30.1	M	29.5
7351-034-043	19	1,1,1-Trichloroethane	9	9	100	59.8	979	334	0.0756	0.9110	524	1000	789	M	979
		Benzene	9	8	89	5.11	54.3	17.4	0.0313	0.2990	27.6	53.4	41.8	L	53.4
		Chloroform	9	1	11	1.46	1.46	0.868	0.3790	0.3330	1.05	1.14	1.31	T	1.05
		Cyclohexane	9	3	33	4.82	11.4	4.43	0.0248	0.5310	6.28	7.57	8.89	L	7.57
		Ethylbenzene	9	9	100	3.51	33.4	9.81	0.0003	0.2060	15.5	17.7	23.5	L	17.7
		Methyl Ethyl Ketone	9	9	100	70.8	678	421	0.9120	0.0271	540	862	707	T	540
		Methylene chloride	9	5	56	1.18	14.6	5.43	0.0015	0.0329	9.18	27.7	14.4	C	14.4
		Styrene	9	8	89	1.74	3.91	2.33	0.6460	0.0205	2.99	4.54	3.91	T	2.99
		Tetrachloroethene	9	9	100	2.65	10.9	6.13	0.6410	0.6420	7.65	8.67	9.79	L	8.67
		Toluene	9	9	100	17.4	166	52.4	0.0012	0.4030	80.3	97.4	120	L	97.4
		Xylene-m,p	9	9	100	13.4	95.4	33.8	0.0026	0.4300	49.2	55.1	70.7	L	55.1
		Xylene-o	9	9	100	5.20	34.7	11.9	0.0006	0.1380	17.5	18.7	25.3	L	18.7

Note: Units in ug/m^3

TABLE 6
PARCEL-SPECIFIC SUMMARY OF WORKPLACE AIR MONITORING DATA
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Chemical	Number of Results	Number of Detects	Percent Detection	Minimum Detection	Maximum Detection	Mean	Shapiro-Wilk P-Normal	Shapiro-Wilk P-Log	T-based UCL	Land-based UCL	Cheby-chev UCL	Selection Method	EPC Value (ug/m^3)
7351-034-047	21	1,1,1-Trichloroethane	9	9	100	12.5	114	75.4	0.0298	0.0064	101	210	136	M	114
		Benzene	9	9	100	1.28	17.9	8.63	0.1340	0.0376	12.8	39.9	18.5	T	12.8
		Cyclohexane	9	5	56	37.9	48.2	24.6	0.0091	0.0074	37.6	310	55.9	M	48.2
		Ethylbenzene	9	9	100	2.34	12.6	8.5	0.5580	0.0596	10.6	13.8	13.6	T	10.6
		Methyl Ethyl Ketone	9	6	67	14.4	18.0	12	0.0021	0.0007	16.3	34.3	22.3	M	18
		Methylene chloride	9	6	67	4.52	7.30	4.04	0.0595	0.0040	5.73	18.5	8.1	T	5.73
		Styrene	9	7	78	2.55	4.68	3.24	0.0654	0.0064	4.2	6.82	5.56	T	4.2
		Tetrachloroethene	9	6	67	8.15	10.9	6.62	0.0085	0.0012	9.14	24	12.7	M	10.9
		Toluene	9	9	100	10.6	75.6	45.9	0.0442	0.0077	61.8	114	84.1	M	75.6
		Trichloroethene	9	2	22	1.18	30.5	4.11	0.000001	0.0001	10.3	14.6	18.9	C	18.9
		Xylene-m,p	9	9	100	8.24	47.7	31.4	0.6170	0.1280	39.9	53.2	51.8	T	39.9
		Xylene-o	9	9	100	2.82	16.0	11.5	0.0520	0.0101	14.7	21.6	19.1	T	14.7
7351-034-052	22	1,1,1-Trichloroethane	12	12	100	7.62	30.5	17.4	0.1080	0.1320	21.7	24.5	28.1	L	24.5
		Benzene	12	12	100	8.62	47.9	21.1	0.1180	0.6330	27.4	30.9	36.8	L	30.9
		Cyclohexane	12	5	42	7.92	15.5	7.17	0.0033	0.0043	9.82	12.1	13.8	C	13.8
		Ethylbenzene	12	11	92	3.12	52.0	15.2	0.0168	0.3980	22.4	49.1	33.1	L	49.1
		Methyl Ethyl Ketone	12	4	33	7.37	14.4	5.11	0.0012	0.0035	7.09	7.78	10	C	10
		Methylene chloride	12	4	33	1.56	6.95	2.02	0.0009	0.0636	3.1	3.83	4.71	L	3.83
		Styrene	12	6	50	2.08	3.57	1.86	0.0124	0.0085	2.46	3.13	3.35	C	3.35
		Tetrachloroethene	12	12	100	4.35	16.3	8.84	0.3000	0.4070	10.8	11.8	13.8	L	11.8
		Toluene	12	12	100	32.1	321	97.2	0.0022	0.5360	139	156	202	L	156
		Trichloroethene	12	2	17	4.98	6.43	1.79	0.00003	0.0001	2.75	2.75	4.19	C	4.19
		Xylene-m,p	12	12	100	3.12	212	61.6	0.0171	0.3570	91.2	218	135	M	212
		Xylene-o	12	11	92	2.51	60.7	20.3	0.0898	0.0784	28.9	84.6	41.8	T	28.9
7351-034-057	23	Benzene	65	3	4.6	9.58	16.0	25.9	0	0	28.7	43.5	33.4	M	16

Note: Units in ug/m^3

TABLE 6
PARCEL-SPECIFIC SUMMARY OF WORKPLACE AIR MONITORING DATA
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Chemical	Number of Results	Number of Detects	Percent Detection	Minimum Detection	Maximum Detection	Mean	Shapiro-Wilk P-Normal	Shapiro-Wilk P-Log	T-based UCL	Land-based UCL	Cheby-chev UCL	Selection Method	EPC Value (ug/m^3)
7351-034-066	25	1,1,1-Trichloroethane	9	9	100	2.34	31.0	15.9	0.3960	0.1940	22.5	49.5	31.7	T	22.5
		Benzene	9	9	100	2.40	13.4	6.97	0.0616	0.1100	9.72	13.7	13.6	M	13.4
		Cyclohexane	9	6	67	0.792	21.3	8.02	0.2410	0.6390	12.1	28.3	17.7	M	21.3
		Ethylbenzene	9	9	100	4.08	73.7	28.5	0.0962	0.4120	44.4	121	66.7	M	73.7
		Methyl Ethyl Ketone	9	8	89	2.21	79.6	18.7	0.0006	0.8350	33.5	79.8	54.4	M	79.6
		Methylene chloride	9	7	78	1.60	16.0	4.49	0.0092	0.7900	7.57	18.1	11.9	M	16
		Styrene	9	9	100	7.23	63.8	24.5	0.0484	0.3180	36.7	54.7	53.9	L	54.7
		Tetrachloroethene	9	4	44	2.38	6.38	2.63	0.0179	0.0421	3.81	4.89	5.46	C	5.46
		Toluene	9	9	100	19.7	71.8	37.5	0.1230	0.3740	48.9	54.3	64.9	L	54.3
		Trichloroethene	9	1	11	9.64	9.64	2.05	0.000001	0.00002	3.82	3.68	6.3	C	6.3
		Xylene-m,p	9	9	100	12.6	178	71.1	0.0175	0.2290	112	242	168	M	178
		Xylene-o	9	9	100	4.77	52.0	21.4	0.1280	0.6100	32.1	56.5	47	M	52
7351-034-069	28	1,1,1-Trichloroethane	6	6	100	9.79	20.7	15.2	0.1550	0.1250	19.3	22	24.3	T	19.3
		Benzene	9	9	100	1.31	13.4	5.03	0.0019	0.0964	7.7	10.1	11.4	L	10.1
		Chloroform	9	1	11	2.97	2.97	1.02	0.0001	0.0073	1.49	1.57	2.14	C	2.14
		Cyclohexane	9	3	33	5.51	37.9	7.5	0.00001	0.0070	14.6	16.9	24.6	C	24.6
		Ethylbenzene	9	8	89	1.86	8.67	3.79	0.1350	0.2920	5.48	10.7	7.86	M	8.67
		Methyl Ethyl Ketone	9	6	67	6.49	41.3	12.3	0.0332	0.9020	20.2	51.6	31.2	M	41.3
		Methylene chloride	9	4	44	1.81	13.2	3.01	0.0003	0.0105	5.69	13	9.47	C	9.47
		Styrene	9	5	56	2.42	4.68	2.28	0.0924	0.1450	3.34	6.65	4.83	M	4.68
		Tetrachloroethene	6	5	83	5.97	67.9	32.8	0.0586	0.1800	59	7220	91	M	67.9
		Toluene	9	9	100	3.33	60.5	22.2	0.0055	0.3530	34.7	58.2	52.2	L	58.2
		Trichloroethene	9	1	11	5.30	5.30	1.31	0.00001	0.0029	2.25	2.38	3.57	C	3.57
		Xylene-m,p	9	9	100	2.51	31.2	14.6	0.2510	0.6060	20.6	33	29.1	M	31.2
		Xylene-o	9	9	100	1.04	10.4	4.98	0.0559	0.2830	7.04	10.2	9.93	L	10.2

Note: Units in ug/m^3

TABLE 7
WORKPLACE AIR MONITORING DATA
BACKGROUND AMBIENT AIR
Baseline Risk Assessment
Del Amo Site

Chemical	Number of Results	Number of Detects	Percent Detection	Minimum Detection	Maximum Detection	Mean	Shapiro-Wilk P-Normal	Shapiro-Wilk P-Log	T-based UCL	Land-based UCL	Cheby-chev UCL	Selection Method	EPC Value
1,1,1-Trichloroethane	38	36	95	2.07	92.5	14.2	0	0.71	19	21.6	26.8	L	21.6
Benzene	39	37	95	1.25	16.6	5.77	0.0298	0.0844	6.77	7.99	8.43	L	7.99
Chloroform	39	1	2.6	1.22	1.22	0.766	0.0005	0.0001	0.824	0.177	0.921	C	0.921
Cyclohexane	39	14	36	3.13	18.9	5.34	0.000001	0.0013	6.5	6.52	8.43	C	8.43
Ethylbenzene	39	36	92	1.78	13.9	5.07	0.0120	0.0315	5.88	6.61	7.21	C	7.21
Methyl Ethyl Ketone	39	24	62	3.54	38.3	8.46	0	0.0285	10.8	11.6	14.8	C	14.8
Methylene chloride	39	18	46	1.11	8.69	1.82	0	0.00005	2.35	2.31	3.23	C	3.23
Styrene	39	27	69	0.936	9.36	2.57	0.0001	0.0059	3.1	3.39	3.98	C	3.98
Tetrachloroethene	38	23	61	2.04	11.5	3.44	0.00003	0.0015	4.16	4.38	5.34	C	5.34
Toluene	39	39	100	4.53	52.9	20.7	0.0095	0.4870	24	25.9	29.4	L	25.9
Trichloroethene	39	4	10	1.07	6.97	1.14	0	0.000001	1.48	1.27	2.03	C	2.03
Xylene-m,p	39	39	100	2.04	52.1	18.4	0.0222	0.0790	21.3	23.8	26	L	23.8
Xylene-o	39	36	92	2.34	17.3	6.8	0.0019	0.0034	7.95	9.29	9.86	C	9.86

Note: Units in ug/m^3

TABLE 8
SITE-WIDE SUMMARY OF GROUNDWATER VOCS
Baseline Risk Assessment
Del Amo Site

VOCs	CAS Number	Number of Samples	Number of Detects	Percent Detection	Groundwater Concentrations (ug/L)			Site ID of Maximum Detection	Sample ID of Maximum Detection	Parcel of Maximum Detection
					Minimum Detection	Mean	Maximum Detection			
1,1,1-Trichloroethane	71556	65	1	1.54	3.20	496	3.2	SWL0016	GWS01401	7351-034-068
1,1-Dichloroethane	75343	65	1	1.54	0.370	496	0.37	XP-02	GWS02006	7351-034-066
1,1-Dichloroethene	75354	65	5	7.69	0.580	457	140	SWL0016	GWS01401	7351-034-068
1,2,4-Trimethylbenzene	95636	43	3	6.98	0.220	657	1200	XMW-13	GWS01998	7351-034-901
1,2-Dichlorobenzene	95501	65	1	1.54	1.40	496	1.4	CWL0019	GWS00086	7351-033-023
1,2-Dichloroethane	107062	65	1	1.54	0.830	455	0.83	SWL0039	GWS01423	7351-031-800
1,2-Dichloroethene (cis)	156592	60	6	10	0.470	551	3400	XMW-04HD	GWS01995	7351-033-022
1,2-Dichloroethene (trans)	156605	65	1	1.54	15.0	496	15	PZL0016	GWS01969	7351-034-056
1,2-Dichloropropane	78875	65	1	1.54	5.80	455	5.8	SWL0039	GWS01423	7351-031-800
1,3,5-Trimethylbenzene	108678	43	1	2.33	210	632	210	XMW-13	GWS01998	7351-034-901
1,4-Dichlorobenzene	106467	65	1	1.54	1.30	496	1.3	CWL0019	GWS00086	7351-033-023
Acetone	67641	59	1	1.69	8.20	5920	8.2	SWL0007	GWS01979	7351-031-007
Benzene	71432	65	41	63.08	0.520	87200	860000	XMW-01HD	GWS00366	7351-033-022
sec-Butylbenzene	135988	43	8	18.6	1.70	641	620	XMW-21	GWS02000	PACIFIC GATEWAY
tert-Butylbenzene	98066	43	1	2.33	0.310	629	0.31	PZL0018	GWS01970	7351-034-901
Chlorobenzene	108907	60	3	5	2.20	660	7100	XMW-13	GWS01998	7351-034-901
Chloroform	67663	65	16	24.62	0.500	460	330	XMW-13	GWS01998	7351-034-901
Cyclohexane	110827	13	1	7.69	13.0	2700	13	PZL0012	GWS01628	7351-033-030
Dichlorobromomethane	75274	65	1	1.54	27.0	455	27	XMW-03HD	GWS01994	7351-033-022
Ethylbenzene	100414	65	21	32.31	0.340	1850	26000	CWL0012	GWS00004	FRANCISCO ST
Freon 11	75694	59	2	3.39	4.30	954	21	SWL0039	GWS01423	7351-031-800
Isopropylbenzene	98828	43	6	13.95	1.10	632	220	XMW-21	GWS02000	PACIFIC GATEWAY
Methyl Ethyl Ketone	78933	60	9	15	13.0	3280	490	PZL0026	GWS01976	7351-033-017
Naphthalene	91203	44	4	9.09	2.70	653	1400	PZL0023	GWS00943	7351-034-901
n-Propylbenzene	103651	43	4	9.3	12.0	633	190	XMW-21	GWS02000	PACIFIC GATEWAY
Styrene	100425	60	2	3.33	4500	891	17000	CWL0051	GWS01734	7351-033-017
Tetrachloroethene	127184	65	13	20	0.810	538	2100	PZL0016	GWS01969	7351-034-056
Toluene	108883	65	12	18.46	0.600	2010	75000	CWL0051	GWS01734	7351-033-017
Trichloroethene	79016	65	13	20	1.50	543	2000	PZL0016	GWS01969	7351-034-056
Xylenes (Total)	1330207	65	10	15.38	0.800	918	22000	CWL0051	GWS01734	7351-033-017

Note:

Groundwater samples taken from the water table zone

Note: Units in ug/L

TABLE 9
SITE-WIDE SUMMARY OF DETECTED CHEMICALS
Baseline Risk Assessment
Del Amo Site

Analyte Class	CAS Number	Analyte	Detected in Risk Media					
			Surface Soil	Shallow Soil	Shallow Soil Gas	Deep Soil	Deep Soil Gas	Groundwater
Metals	Metals	Cr (Hex)		✓				
	7429905	Al	✓	✓		✓		
	7439896	Fe	✓	✓		✓		
	7439921	Pb	✓	✓		✓		
	7439954	Mg	✓	✓		✓		
	7439965	Mn	✓	✓		✓		
	7439976	Hg	✓	✓				
	7439987	Mo		✓				
	7440020	Ni	✓	✓		✓		
	7440097	K	✓	✓		✓		
	7440235	Na	✓	✓		✓		
	7440280	Tl		✓				
	7440360	Sb		✓				
	7440382	As	✓	✓		✓		
	7440393	Ba	✓	✓		✓		
	7440417	Be	✓	✓		✓		
	7440439	Cd	✓	✓		✓		
	7440473	Cr	✓	✓		✓		
	7440484	Co	✓	✓		✓		
	7440508	Cu	✓	✓		✓		
	7440622	V	✓	✓		✓		
	7440666	Zn	✓	✓		✓		
	7440702	Ca	✓	✓		✓		
	7782492	Se		✓				
Pesticides and PCBs	11096825	Aroclor 1260		✓				
	72548	4,4'-DDD	✓	✓				
	72559	4,4'-DDE	✓	✓				
	50293	4,4'-DDT	✓	✓		✓		
	60571	Dieldrin	✓	✓				
SVOCs/ PAHs	91576	2-Methylnaphthalene	✓	✓		✓		
	83329	Acenaphthene		✓				
	208968	Acenaphthylene	✓	✓				
	120127	Anthracene	✓	✓				
	56553	Benzo(a)anthracene	✓	✓				
	50328	Benzo(a)pyrene	✓	✓				
	205992	Benzo(b)fluoranthene	✓	✓				
	191242	Benzo(g,h,i)perylene	✓	✓				
	207089	Benzo(k)fluoranthene	✓	✓				
	117817	Bis(2-ethylhexyl)phthalate	✓	✓				
	85687	Butylbenzylphthalate	✓	✓				
	218019	Chrysene	✓	✓				
	53703	Dibenzo(a,h)anthracene	✓	✓				
	131113	Dimethylphthalate				✓		
	84742	Di-n-butylphthalate		✓		✓		
	206440	Fluoranthene	✓	✓				
	86737	Fluorene		✓				
	193395	Indeno(1,2,3-c,d)pyrene	✓	✓				

TABLE 9
SITE-WIDE SUMMARY OF DETECTED CHEMICALS
Baseline Risk Assessment
Del Amo Site

Analyte Class	CAS Number	Analyte	Detected in Risk Media					
			Surface Soil	Shallow Soil	Shallow Soil Gas	Deep Soil	Deep Soil Gas	Groundwater
SVOCs/ PAHs	91203	Naphthalene	✓	✓		✓		✓
	86306	N-Nitrosodiphenylamine		✓				
	85018	Phenanthrene	✓	✓		✓		
	108952	Phenol				✓		
	129000	Pyrene	✓	✓		✓		
VOCs	71556	1,1,1-Trichloroethane			✓		✓	✓
	79345	1,1,2,2-Tetrachloroethane			✓			
	79005	1,1,2-Trichloroethane					✓	
	75343	1,1-Dichloroethane		✓	✓			✓
	75354	1,1-Dichloroethene			✓		✓	✓
	120821	1,2,4-Trichlorobenzene		✓	✓			
	95636	1,2,4-Trimethylbenzene		✓	✓	✓		✓
	106934	1,2-Dibromoethane (EDB)			✓			
	95501	1,2-Dichlorobenzene			✓	✓		✓
	107062	1,2-Dichloroethane					✓	✓
	78875	1,2-Dichloropropane						✓
	156592	1,2-Dichloroethene (cis)		✓	✓			✓
	156605	1,2-Dichloroethene (trans)						✓
	108678	1,3,5-Trimethylbenzene		✓	✓			✓
	541731	1,3-Dichlorobenzene				✓		
	106467	1,4-Dichlorobenzene			✓			✓
	591786	2-Hexanone		✓	✓			
	622968	4-Ethyl Toluene			✓			
	67641	Acetone	✓	✓	✓			✓
	75058	Acetonitrile			✓			
	71432	Benzene		✓	✓	✓	✓	✓
	104518	n-Butylbenzene	✓	✓				
	135988	sec-Butylbenzene		✓				✓
	98066	tert-Butylbenzene		✓				✓
	75150	Carbon disulfide		✓	✓			
	56235	Carbon Tetrachloride			✓			
	108907	Chlorobenzene						✓
	75003	Chloroethane			✓			
	67663	Chloroform		✓	✓		✓	✓
	74873	Chloromethane			✓			
	110827	Cyclohexane		✓	✓			✓
	75274	Dichlorobromomethane			✓			✓
	64175	Ethanol			✓			
	100414	Ethylbenzene	✓	✓	✓	✓	✓	✓
	75694	Freon 11			✓			✓
	75718	Freon 12			✓			
	76131	Freon 113			✓			
	76142	Freon 114			✓			
	142825	Heptane			✓			
	110543	n-Hexane			✓			
	67630	Isopropanol			✓			
	98828	Isopropylbenzene		✓				✓

TABLE 9
SITE-WIDE SUMMARY OF DETECTED CHEMICALS
Baseline Risk Assessment
Del Amo Site

Analyte Class	CAS Number	Analyte	Detected in Risk Media					
			Surface Soil	Shallow Soil	Shallow Soil Gas	Deep Soil	Deep Soil Gas	Groundwater
VOCs	99876	p-Isopropyltoluene		✓				
	78933	Methyl Ethyl Ketone	✓	✓	✓	✓		✓
	108101	Methyl isobutyl ketone (MIBK)		✓	✓			
	1634044	Methyl tert-butyl ether		✓				
	75092	Methylene chloride			✓	✓		
	91203	Naphthalene	✓	✓		✓		✓
	103651	n-Propylbenzene		✓				✓
	100425	Styrene		✓	✓	✓		✓
	127184	Tetrachloroethene		✓	✓		✓	✓
	108883	Toluene		✓	✓	✓	✓	✓
	79016	Trichloroethene		✓	✓		✓	✓
	108383	m,p-Xylene		✓	✓			
	95476	o-Xylene		✓	✓			
	1330207	Xylenes (Total)		✓	✓	✓		✓

TABLE 10
SUMMARY OF DATA TYPES AVAILABLE AND SAMPLING RATIONALE
EXPOSURE AREAS OF POTENTIAL CONCERN
Baseline Risk Assessment
Del Amo Superfund Site

EAPC Number	Parcel	Former Rubber Plant Facilities and Features / Sampling Rationale	Media	Chemical Class	Number of Samples
1	7351-031-018	Persistent soil staining, underground pipelines that may have transported VOC liquids	Deep Soil	SVOCs/PAHs	1
				VOCs	1
			Shallow Soil	Cyanide	4
				Metals	4
				Pesticides	4
				SVOCs/PAHs	1
				VOCs	1
			Shallow Soil Gas	VOCs	21
2	7351-031-020	Copolymer plancor laboratory; gasoline storage tank, machine shop	Shallow Soil	Metals	9
				SVOCs/PAHs	17
				VOCs	10
			Shallow Soil Gas	VOCs	2
			Surface Soil	SVOCs/PAHs	3
3	7351-031-031	Waste transfer station; non-RI sampling and remediation completed prior to site development by owner	Shallow Soil	Metals	21
				Pesticides	16
				SVOCs/PAHs	5
				VOCs	17
			Shallow Soil Gas	VOCs	8
4	7351-031-007	VOC storage tanks; buried gasoline storage tank, cooling tower; an identified groundwater contamination source area	Shallow Soil	Metals	4
				SVOCs/PAHs	3
			Shallow Soil Gas	VOCs	3
			Workplace Air	VOCs	13
5	7351-033-017	Butadiene plancor laboratory, NAPL area, neutralizing basin, VOC storage tanks, slop oil tank, cooling tower, underground pipelines that may have transported VOC liquids; an identified groundwater contamination source area	Deep Soil	SVOCs/PAHs	1
				VOCs	3
			Shallow Soil	Metals	5
				SVOCs/PAHs	31
				VOCs	9
			Shallow Soil Gas	VOCs	112
			Workplace Air	VOCs	12
6	7351-033-022	Underground benzene pipeline; oil storage tanks; NAPL potentially present; an identified groundwater contamination source area	Deep Soil	VOCs	12
			Shallow Soil	SVOCs/PAHs	4
				VOCs	3
			Shallow Soil Gas	VOCs	64
			Surface Soil	SVOCs/PAHs	1
7	7351-033-024	Wastewater holding and filtration tanks, skimmer basin, incinerator, neutralizing basin, oil skimmer basin, oil storage tanks	Shallow Soil	Metals	16
				SVOCs/PAHs	22
				VOCs	15
			Shallow Soil Gas	VOCs	23
8	7351-033-026	Former underground benzene pipeline; fuel oil tanks	Deep Soil	VOCs	13
			Shallow Soil	SVOCs/PAHs	1
				VOCs	7
			Shallow Soil Gas	VOCs	13
9	7351-033-027	Underground benzene pipeline; NAPL present at residual saturations; an identified groundwater contamination source area	Deep Soil	SVOCs/PAHs	1
				VOCs	13
			Shallow Soil	SVOCs/PAHs	1
				VOCs	8
			Shallow Soil Gas	VOCs	17
			Workplace Air	VOCs	9
10	7351-033-030	Undeveloped parcel with exposed ground surface at time of sampling; copper solvent tank; oil blowdown tank.	Shallow Soil	Cyanide	1
				Metals	13
				Pesticides	1
				SVOCs/PAHs	5
				VOCs	3
			Surface Soil	Cyanide	1
				Metals	1
				Pesticides	1
				SVOCs/PAHs	1

TABLE 10
SUMMARY OF DATA TYPES AVAILABLE AND SAMPLING RATIONALE
EXPOSURE AREAS OF POTENTIAL CONCERN
Baseline Risk Assessment
Del Amo Superfund Site

EAPC Number	Parcel	Former Rubber Plant Facilities and Features / Sampling Rationale	Media	Chemical Class	Number of Samples
11	7351-033-034	Undeveloped parcel with exposed ground surface at time of sampling; former underground pipelines that may have transported VOC liquids; NAPL potentially present; groundwater contamination source area	Deep Soil	SVOCs/PAHs	1
			Shallow Soil	Cyanide	2
				Metals	2
				Pesticides	2
				SVOCs/PAHs	5
			Shallow Soil Gas	VOCs	14
			Surface Soil	Cyanide	2
				Metals	2
				Pesticides	2
				SVOCs/PAHs	2
12	7351-033-040	Undeveloped parcel with exposed ground surface at time of sampling; former underground pipelines that may have transported VOC liquids	Shallow Soil	Cyanide	2
				Metals	2
				Pesticides	2
				SVOCs/PAHs	2
			Shallow Soil Gas	VOCs	5
			Surface Soil	Cyanide	2
				Metals	2
				Pesticides	2
				SVOCs/PAHs	2
13	7351-033-045	Undeveloped parcel with exposed ground surface at time of sampling, butadiene purification settlers; cooling tower, adjacent to sampling location on neighboring parcel 7351-033-030 with elevated copper; isoprene purification area; oil/solvent tank; underground pipeline that may have transported VOC liquids	Shallow Soil	Cyanide	3
				Metals	7
				Pesticides	3
				SVOCs/PAHs	3
			Shallow Soil Gas	VOCs	19
			Surface Soil	Cyanide	3
				Metals	3
				Pesticides	3
				SVOCs/PAHs	3
14	7351-033-009	Unlined wastewater impoundments; wastewater filtration tank	Shallow Soil	Metals	14
				Pesticides	7
				SVOCs/PAHs	7
			Shallow Soil Gas	VOCs	12
15	7351-033-900	Underground benzene pipeline; an identified groundwater contamination source area	Deep Soil	VOCs	15
			Shallow Soil	SVOCs/PAHs	1
				VOCs	1
16	7351-034-015, -050, -056	Persistent soil staining on historical air photographs; "pits & trenches" area; VOC storage tank; fuel oil tanks, MW-20 NAPL area; underground pipelines that may have transported VOC liquids; two identified groundwater contamination source areas.	Deep Soil	SVOCs/PAHs	2
				VOCs	10
			Deep Soil Gas	VOCs	1
			Shallow Soil	Cyanide	3
				Metals	4
				Pesticides	15
				SVOCs/PAHs	15
				VOCs	34
			Shallow Soil Gas	VOCs	71
			Workplace Air	VOCs	12
17	7351-034-039	Underground pipelines that may have transported VOC liquids; adjacent to area of elevated VOC concentrations in soil gas samples.	Shallow Soil Gas	VOCs	16
			Workplace Air	VOCs	6
18	7351-034-041	Styrene finishing unit; process area, VOC storage tanks, primary skimmer basin and underground pipelines that may have transported VOC liquids; an identified groundwater contamination source area	Shallow Soil Gas	VOCs	17
			Workplace Air	VOCs	9
19	7351-034-043	Styrene finishing unit with VOC storage tanks and underground pipelines that may have transported VOC liquids; an identified groundwater contamination source area	Shallow Soil	SVOCs/PAHs	1
				VOCs	1
			Shallow Soil Gas	VOCs	5
			Workplace Air	VOCs	9
20	7351-034-045	Styrene production and propane cracking unit; underground pipelines that may have transported VOC liquids;	Shallow Soil	SVOCs/PAHs	2
				VOCs	1
			Shallow Soil Gas	VOCs	4
21	7351-034-047	Ethylbenzene production unit with VOC storage tanks, sump, and underground pipelines that may have transported VOC liquids; potential LNAPLS area; an identified groundwater contamination source area.	Shallow Soil Gas	VOCs	13
			Workplace Air	VOCs	9

TABLE 10
SUMMARY OF DATA TYPES AVAILABLE AND SAMPLING RATIONALE
EXPOSURE AREAS OF POTENTIAL CONCERN
Baseline Risk Assessment
Del Amo Superfund Site

EAPC Number	Parcel	Former Rubber Plant Facilities and Features / Sampling Rationale	Media	Chemical Class	Number of Samples
22	7351-034-052	Ethylbenzene production unit with pumps/reactors and underground pipelines that may have transported VOC liquids; potential NAPL area; an identified groundwater contamination source area	Shallow Soil	SVOCs/PAHs	2
				VOCs	2
			Shallow Soil Gas	VOCs	6
			Workplace Air	VOCs	12
23	7351-034-057	VOC storage tank farm and underground pipelines that may have transported VOC liquids; evaporation pond; two NAPL areas; two identified groundwater contamination source areas.	Deep Soil	SVOCs/PAHs	1
				VOCs	21
			Deep Soil Gas	VOCs	10
			Shallow Soil	Metals	2
				Pesticides	1
				SVOCs/PAHs	2
				VOCs	6
			Shallow Soil Gas	VOCs	124
			Workplace Air	VOCs	65
24	7351-034-058	VOC storage tank farm; fuel oil tank; underground pipelines that may have transported VOC liquids; cooling tower; potential NAPL area; an identified groundwater contamination source area	Deep Soil	SVOCs/PAHs	6
				VOCs	6
			Shallow Soil	Metals	5
				SVOCs/PAHs	8
				VOCs	3
				VOCs	20
25	7351-034-066	Eston Chemical Company site; dry well	Shallow Soil Gas	VOCs	5
26	7351-034-067	Underground pipelines that may have transported VOC liquids	Shallow Soil Gas	VOCs	12
27	7351-034-068	Underground pipelines that may have transported VOC liquids	Shallow Soil Gas	VOCs	1
28	7351-034-069	Styrene finishing and benzene purification unit with VOC storage tanks; styrene production and propane cracking unit; blowdown pit; underground pipelines that may have transported VOC liquids; potential NAPL area; an identified groundwater contamination source area	Shallow Soil	Metals	3
				SVOCs/PAHs	21
				VOCs	39
			Shallow Soil Gas	VOCs	51
			Surface Soil	VOCs	1
			Workplace Air	VOCs	9
29	7351-034-070	Undeveloped parcel with exposed land surface; equipment and drum storage area; adjacent to waste pit area	Deep Soil	Cyanide	4
				Metals	4
				Pesticides	4
				SVOCs/PAHs	7
				VOCs	7
			Shallow Soil	Cyanide	5
				Metals	5
				Pesticides	5
				SVOCs/PAHs	6
				VOCs	4
			Shallow Soil Gas	VOCs	21
			Surface Soil	Cyanide	2
				Metals	2
				Pesticides	2
				SVOCs/PAHs	2
30	7351-034-072	Persistent soil staining present; waste water effluent pit; underground pipelines that may have transported VOC liquids.	Deep Soil	SVOCs/PAHs	1
				VOCs	1
			Shallow Soil	Cyanide	3
				Metals	3
				Pesticides	3
				SVOCs/PAHs	7
				VOCs	1
			Shallow Soil Gas	VOCs	20
			Surface Soil	SVOCs/PAHs	1
31	7351-034-073	Adjacent to area of elevated VOC concentrations at neighboring parcel to the south	Shallow Soil Gas	VOCs	3
32	7351-034-076	Process area for styrene finishing unit; underground pipelines that may have transported VOC liquids; machine shop.	Shallow Soil	Metals	3
				SVOCs/PAHs	5
				VOCs	4
			Shallow Soil Gas	VOCs	4
			Surface Soil	VOCs	1

TABLE 10
SUMMARY OF DATA TYPES AVAILABLE AND SAMPLING RATIONALE
EXPOSURE AREAS OF POTENTIAL CONCERN
Baseline Risk Assessment
Del Amo Superfund Site

EAPC Number	Parcel	Former Rubber Plant Facilities and Features / Sampling Rationale	Media	Chemical Class	Number of Samples
33	7351-034-803	Styrene plancor laboratory	Shallow Soil	SVOCs/PAHs	2
				VOCs	1
34	7351-034-901	Undeveloped parcel with exposed ground surface at time of sampling; potential NAPL area associated with adjacent waste pits OU to the south	Deep Soil	Cyanide	3
				Metals	3
				Pesticides	3
				SVOCs/PAHs	7
				VOCs	7
			Shallow Soil	Cyanide	5
				Metals	5
				Pesticides	5
				SVOCs/PAHs	5
				VOCs	1
			Shallow Soil Gas	VOCs	7
			Surface Soil	Cyanide	4
				Metals	4
				Pesticides	4
				SVOCs/PAHs	4
35	Magellan Dr	VOC chemical storage and underground pipelines that may have transported VOC liquids	Deep Soil	SVOCs/PAHs	1
				VOCs	1
			Shallow Soil	SVOCs/PAHs	13
				VOCs	13
			Shallow Soil Gas	VOCs	8
36	Pacific Gateway (N)	VOC storage tanks; sump; persistent soil staining present	Deep Soil	SVOCs/PAHs	1
				VOCs	1
			Shallow Soil	Cyanide	4
				Metals	4
				Pesticides	4
				SVOCs/PAHs	3
				VOCs	1
			Shallow Soil Gas	VOCs	13
37	Pacific Gateway (S)	Persistent soil staining; adjacent to parcel 7351-034-069 where field evidence of subsurface soil contamination observed; adjacent to parcel 7351-034-057 where MW-20 NAPL present.	Deep Soil	SVOCs/PAHs	2
				VOCs	2
			Deep Soil Gas	VOCs	1
			Shallow Soil	Cyanide	2
				Metals	2
				Pesticides	2
				SVOCs/PAHs	6
				VOCs	2
			Shallow Soil Gas	VOCs	10

TABLE 11
EXPOSURE AREAS OF POTENTIAL CONCERN
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	EAPC Selection Criteria
7351-031-018	1	1*
7351-031-020	2	2
7351-031-031 (was 031-024 and 031-025)	3	2,3
7351-031-007	4	1,2
7351-033-017	5	1,2
7351-033-022	6	1,2
7351-033-024	7	2,3
7351-033-026	8	2
7351-033-027	9	1,2
7351-033-030	10	3
7351-033-034	11	1,2,3
7351-033-040	12	1,3
7351-033-045 (was 033-037)	13	3
7351-033-009	14	3
7351-033-900	15	1,2
7351-034-015, -050, -056	16	1,2
7351-034-039	17	1,2
7351-034-041	18	1
7351-034-043	19	1
7351-034-045	20	4
7351-034-047	21	1
7351-034-052	22	1
7351-034-057	23	1,2
7351-034-058	24	1,2
7351-034-066	25	1
7351-034-067	26	1
7351-034-068	27	1
7351-034-069	28	1,2,3
7351-034-070	29	1,2,3
7351-034-072	30	2
7351-034-073	31	1
7351-034-076	32	2
7351-034-803	33	2
7351-034-901	34	1,2,3
Magellan Dr	35	1,2
Pacific Gateway (N)	36	1,2
Pacific Gateway (S)	37	1,2

EAPC selection criteria key:

1- Parcel overlaps or may overlap with a groundwater contamination source area

2- One or more VOC, SVOC/PAH, pesticide or PCB concentrations detected at parcel exceed soil residential PRG (USEPA Region IX, 2002)

3- One or more metal concentrations exceed both ambient background level and soil residential soil PRG

4- Parcel surrounded by other parcels selected as EAPCs

* This parcel was included as an EAPC based on an isolated detection of benzene (41 µg/l) in a temporary well point installed in the water table zone. The parcel did not strictly meet the groundwater contamination source area criteria because benzene was not detected at significant concentrations in the vadose zone. Groundwater contamination source area identification is further discussed in the Soil and NAPL RI report.

TABLE 12a
PARCEL-SPECIFIC COPCs and EPCs
Baseline Risk Assessment
Del Amo Site

Exposure Area, Media and Exposure Pathway of Concern	Analyte Class	Analyte	Data Set						Distribution			Alternate EPCs (mg/kg)						
			Number of Results	Number of Detects	Percent Detect	Detects (mg/kg)		ND (mg/kg)	Shapiro-Wilk P Values			T-based UCL "T"	Land Based UCL "L"	Chebychev UCL "C"	Maximum "M"[a]	Maximum Detect or 1/2 DL	Selection Method	EPC Value [b]
						Minimum	Maximum	Max DL	Mean	P-Normal	P-Log							
Parcel: 7351-031-018; EAPC No. 1																		
Direct-Outdoor Air/Shallow	Metals	Cd	5	5	100	13	15	0	14.6	0.0001	0.0001	15.5	15.6	16.4	15	Max	M	15
Indoor Air/Shallow	VOC	1,2,4-Trimethylbenzene	2	1	50	0.0047	0.0047	0.0081	0.0044	0	0	0.0066	0	0.0060	0.0047	Max	M	0.0047
		1,3,5-Trimethylbenzene	2	1	50	0.0002	0.0002	0.0013	0.0004	0	0	0.0020	0	0.0015	0.0007	DL	M	0.0007
		1,4-Dichlorobenzene	3	1	33	0.0002	0.0002	0.0050	0.0016	0	0	0.0036	0	0.0046	0.0025	DL	M	0.0025
		Freon 11	3	2	67	0.000003	0.0024	0.0050	0.0016	0	0	0.0040	0	0.0053	0.0025	DL	M	0.0025
		Freon 12	1	1	100	0.0001	0.0001	0	0.0001	0	0	0.0001	0	0.0001	0.0001	Max	C	0.0001
		Tetrachloroethene	15	6	40	0.00002	0.0003	0.0050	0.0003	0.000001	0.0057	0.0006	0.0005	0.0010	0.0025	DL	C	0.0010
		Trichloroethene	15	1	7	0.0024	0.0024	0.0050	0.0004	0.000001	0.000001	0.0008	0.0007	0.0014	0.0025	DL	C	0.0014
Parcel: 7351-031-020; EAPC No. 2																		
Direct-Outdoor Air/Surface	SVOC	Benzo(a)anthracene	3	3	100	0.0021	0.3100	0	0.1110	0	0	0.4020	0	0.5560	0.3100	Max	M	0.3100
		Benzo(a)pyrene	3	3	100	0.0052	0.7600	0	0.2610	0	0	0.9900	0	1.38	0.7600	Max	M	0.7600
		Benzo(b)fluoranthene	3	3	100	0.0044	0.4800	0	0.1800	0	0	0.6200	0	0.8540	0.4800	Max	M	0.4800
		Benzo(k)fluoranthene	3	3	100	0.0044	0.4200	0	0.1560	0	0	0.5430	0	0.7480	0.4200	Max	M	0.4200
		Dibenzo(a,h)anthracene	3	2	67	0.0005	0.0750	0.1	0.0418	0	0	0.1060	0	0.1400	0.0750	Max	M	0.0750
		Indeno(1,2,3-c,d)pyrene	3	3	100	0.0054	0.5100	0	0.1760	0	0	0.6640	0	0.9230	0.5100	Max	M	0.5100
Direct-Outdoor Air/Shallow	Metals	As	9	9	100	3.3	14	0	7.43	0.5770	0.9510	9.54	10.8	12.5	14	Max	L	10.8
		Hg	9	9	100	0.0240	2.9	0	0.3580	0	0.00004	0.9490	1.71	1.78	2.9	Max	C	1.78
		Pb	9	9	100	4.3	586	0	84.3	0.000002	0.11	201	492	366	586	Max	L	492
		Tl	9	2	22	0.5800	1.4	1	0.6090	0.000001	0.000002	0.7940	0.0770	1.05	1.4	Max	C	1.05
	SVOC	Benzo(a)anthracene	17	14	82	0.0021	4.8	0.0050	0.3340	0	0.146	0.8220	2.47	1.58	4.8	Max	L	2.47
		Benzo(a)pyrene	17	14	82	0.0052	13	0.0050	0.8780	0	0.189	2.2	14.3	4.27	13	Max	M	13
		Benzo(b)fluoranthene	17	16	94	0.0005	10	0.0050	0.6740	0	0.694	1.69	22.3	3.28	10	Max	M	10
		Benzo(k)fluoranthene	17	14	82	0.0044	6.7	0.0050	0.4680	0	0.157	1.15	4.82	2.21	6.7	Max	L	4.82
		Chrysene	17	14	82	0.0027	6.4	0.0050	0.4450	0	0.163	1.1	4.09	2.11	6.4	Max	L	4.09
		Dibenzo(a,h)anthracene	17	11	65	0.0005	1.7	0.1000	0.1190	0	0.315	0.2920	0.0034	0.5610	1.7	Max	L	0.0034
		Indeno(1,2,3-c,d)pyrene	17	14	82	0.0054	19	0.0050	1.22	0	0.0971	3.17	20	6.19	19	Max	M	19
Indoor Air/Shallow	VOC	Chloroform	10	2	20	0.0011	0.0013	0.0048	0.0020	0.0101	0.0023	0.0022	0.0024	0.0026	0.0024	DL	M	0.0024
Parcel: 7351-031-031; EAPC No. 3																		
Direct-Outdoor Air/Shallow	Metals	As	21	21	100	1.3	12.1	0	2.64	0.000001	0.0002	3.59	3.29	5.1	12.1	Max	C	5.1
		Cd	19	2	11	1.3	8.6	0.5000	0.7450	0	0	1.51	0.1050	2.71	8.6	Max	C	2.71
		Cr	20	20	100	12.9	153	0	23.6	0	0.000001	35.5	27.3	54.3	153	Max	C	54.3
	Pesticide	Aroclor 1260	11	2	18	0.2200	0.4200	0.1000	0.0923	0.00001	0.0028	0.1590	0.1880	0.2560	0.4200	Max	C	0.2560
Indoor Air/Shallow	VOC	1,2,4-Trimethylbenzene	19	2	11	0.0007	0.0060	0.0050	0.0026	0	0	0.0030	0.0031	0.0035	0.0060	Max	C	0.0035
		Isopropylbenzene	18	1	6	0.0550	0.0550	0.0050	0.0054	0	0	0.0105	0.0058	0.0185	0.0550	Max	C	0.0185
		Tetrachloroethene	19	2	11	0.0001	0.0050	0.0050	0.0025	0	0	0.0028	0.0044	0.0033	0.0050	Max	C	0.0033
		Toluene	26	2	8	0.0000	0.0050	0.0050	0.0021	0.00002	0	0.0024	0.0042	0.0030	0.0050	Max	C	0.0030
		m,p-Xylene	18	1	6	0.0070	0.0070	0.0050	0.0028	0	0	0.0032	0.0030	0.0039	0.0070	Max	C	0.0039

TABLE 12a
PARCEL-SPECIFIC COPCs and EPCs
Baseline Risk Assessment
Del Amo Site

Exposure Area, Media and Exposure Pathway of Concern	Analyte Class	Analyte	Data Set						Distribution			Alternate EPCs (mg/kg)						
			Number of Results	Number of Detects	Percent Detect	Detects (mg/kg)		ND (mg/kg)	Shapiro-Wilk P Values			T-based UCL "T"	Land Based UCL "L"	Chebychev UCL "C"	Maximum "M" [a]	Maximum Detect or 1/2 DL	Selection Method	EPC Value [b]
						Minimum	Maximum	Max DL	Mean	P-Normal	P-Log							
Parcel: 7351-031-007; EAPC No. 4																		
Direct-Outdoor Air/Shallow	Metals	Cr	4	4	100	24.7	80.1	0	42.1	0.0549	0.2250	72.3	134	99.4	80.1	Max	M	80.1
		Cr (Hex)	4	4	100	0.4700	3.8	0	1.51	0.0753	0.4340	3.35	54.1	5	3.8	Max	M	3.8
	SVOC	Benzo(a)anthracene	3	3	100	0.0320	0.2500	0	0.1080	0	0	0.3150	0	0.4260	0.2500	Max	M	0.2500
		Benzo(a)pyrene	3	3	100	0.0370	0.2500	0	0.1150	0	0	0.3130	0	0.4180	0.2500	Max	M	0.2500
		Benzo(b)fluoranthene	3	3	100	0.0440	0.2600	0	0.1180	0	0	0.3250	0	0.4350	0.2600	Max	M	0.2600
		Benzo(k)fluoranthene	3	3	100	0.0290	0.2000	0	0.0937	0	0	0.2500	0	0.3330	0.2000	Max	M	0.2000
		Dibenzo(a,h)anthracene	3	3	100	0.0130	0.0510	0	0.0267	0	0	0.0623	0	0.0812	0.0510	Max	M	0.0510
		Indeno(1,2,3-c,d)pyrene	3	3	100	0.0340	0.1200	0	0.0707	0	0	0.1450	0	0.1850	0.1200	Max	M	0.1200
Parcel: 7351-033-017; EAPC No. 5																		
Direct-Outdoor Air/Shallow	Metals	V	3	3	100	30	66.3	0	53.9	0	0	88.9	0	107	66.3	Max	M	66.3
	VOC	1,2,4-Trimethylbenzene	18	3	17	0.0002	8.06	2.84	0.9100	0.000001	0.0417	1.76	6400	3.09	8.06	Max	C	3.09
		Benzene	121	57	47	1.3E-06	5.9	0.0055	0.4140	0	0	0.5500	19	0.7810	5.9	Max	C	0.7810
		Cyclohexane	108	38	35	2.7E-06	110	0.0002	1.09	0	0	2.78	3.98	5.64	110	Max	C	5.64
Indoor Air/Shallow	VOC	1,2,4-Trimethylbenzene	18	3	17	0.0002	8.06	2.84	0.9100	0.000001	0.0417	1.76	6400	3.09	8.06	Max	C	3.09
		2-Hexanone	18	1	6	45	45	14.1	3.15	0	0.291	7.49	1850	14.3	45	Max	M	45
		4-Ethyl Toluene	9	1	11	1.3	1.3	0.8820	0.2960	0.0023	0.0094	0.5500	966000	0.9070	1.3	Max	C	0.9070
		Acetone	18	6	33	0.0008	0.2200	50	2.17	0	0.4940	4.59	563	8.39	25	DL	M	25
		Benzene	121	57	47	1.3E-06	5.9	0.0055	0.4140	0	0	0.5500	19	0.7810	5.9	Max	C	0.7810
		Carbon disulfide	18	4	22	7.1E-07	0.0049	5	0.1500	0	0.0016	0.3910	374	0.7690	2.5	DL	C	0.7690
		Cyclohexane	108	38	35	2.7E-06	110	0.0002	1.09	0	0	2.78	3.98	5.64	110	Max	C	5.64
		Ethylbenzene	121	13	11	0.0061	17	0.1610	0.2320	0	0	0.4790	0.0472	0.8980	17	Max	C	0.8980
		Heptane	4	3	75	0.0000002	0.4500	1.2E-06	0.1420	0.0977	0.1180	0.3920	1.5E+109	0.6170	0.45	Max	M	0.4500
		n-Hexane	4	2	50	0.0379	0.0701	1.2E-05	0.0270	0.2760	0.0452	0.0668	1.6E+47	0.1030	0.0701	Max	T	0.0668
		Methyl isobutyl ketone	18	1	6	24	24	38.4	2.87	0	0.1090	5.7	2140	10.1	24	Max	M	24
		Tetrachloroethene	121	39	32	0.0001	0.0048	3	0.0139	0	0	0.0345	0.0013	0.0694	1.5	DL	C	0.0694
		Toluene	121	50	41	0.00001	18	0.0894	0.2610	0	0	0.5110	0.0007	0.9350	18	Max	C	0.9350
		Trichloroethene	120	26	22	0.0001	0.0039	3	0.0139	0	0	0.0347	0.0010	0.0699	1.5	DL	C	0.0699
		Xylenes (Total)*	12	3	25	0.1450	22	0.1490	1.89	0.000001	0.0416	5.18	528	10.1	22	Max	C	10.1
		m,p-Xylene*	109	25	23	7.2E-06	9.08	0.1890	0.2310	0	0	0.3840	0.2690	0.6440	9.08	Max	C	0.6440
		o-Xylene*	6	2	33	0.00001	3.53	0.1050	0.5980	0.00003	0.5920	1.78	3.4E+19	3.22	3.53	Max	M	3.53
Indoor Air/Deep	VOC	1,2,4-Trimethylbenzene	1	1	100	3.3	3.3	0	3.3	0	0	3.3	0	3.3	3.3	Max	C	3.3
		Benzene	5	3	60	3.7	39	0.0250	9.29	0.0022	0.1550	25.2	2.2E+16	42.7	39	Max	M	39
		Ethylbenzene	5	1	20	14	14	0.0250	2.81	0.0001	0.0001	8.77	6.5E+10	15.3	14	Max	M	14
		Naphthalene	1	1	100	3.3	3.3	0	3.3	0	0	3.3	0	3.3	3.3	Max	C	3.3
		Styrene	1	1	100	11	11	0	11	0	0	11	0	11	11	Max	C	11
		Toluene	5	5	100	0.1300	68	0	14	0.0002	0.1030	42.8	1.1E+08	74.4	68	Max	M	68
		Xylenes (Total)	5	1	20	32	32	0.0500	6.42	0.0001	0.0001	20.1	3.9E+11	35	32	Max	M	32

TABLE 12a
PARCEL-SPECIFIC COPCs and EPCs
Baseline Risk Assessment
Del Amo Site

Exposure Area, Media and Exposure Pathway of Concern	Analyte Class	Analyte	Data Set						Distribution			Alternate EPCs (mg/kg)						
			Number of Results	Number of Detects	Percent Detect	Detects (mg/kg)		ND (mg/kg)	Shapiro-Wilk P Values			T-based UCL "T"	Land Based UCL "L"	Chebychev UCL "C"	Maximum "M" [a]	Maximum Detect or 1/2 DL	Selection Method	EPC Value [b]
						Minimum	Maximum	Max DL	Mean	P-Normal	P-Log							
Parcel: 7351-033-022; EAPC No. 6																		
Direct-Outdoor Air/Shallow	VOC	Benzene	67	40	60	0.0017	29.5	0.0500	1.03	0	0.00001	1.87	25	3.29	29.5	Max	C	3.29
Indoor Air/Shallow	VOC	Benzene	67	40	60	0.0017	29.5	0.0500	1.03	0	0.00001	1.87	25	3.29	29.5	Max	C	3.29
Indoor Air/Deep	VOC	Benzene	12	8	67	0.0610	1.9	0.0500	0.6570	0.0003	0.0251	1.11	19.5	1.8	1.9	Max	C	1.8
		Ethylbenzene	12	2	17	13	13	0.0500	2.18	0.00001	0.00004	4.8	249	8.7	13	Max	C	8.7
		Toluene	12	6	50	0.0370	11	0.0500	1.92	0.00001	0.0042	4.12	221	7.4	11	Max	C	7.4
		Xylenes (Total)	12	2	17	78	78	0.0500	13	0.00001	0.00001	28.8	15200	52.2	78	Max	C	52.2
Parcel: 7351-033-024; EAPC No. 7																		
Direct-Outdoor Air/Shallow	Metals	As	16	16	100	2.3	19.2	0	7.06	0.0057	0.8670	8.98	9.46	12	19.2	Max	L	9.46
	SVOC	2-Methylnaphthalene	22	13	59	0.0006	49	0.0500	3.05	0	0.0026	7.02	81.7	13.4	49	Max	C	13.4
		Benzo(a)anthracene	22	15	68	0.0003	0.4300	0.0500	0.0516	0	0.4240	0.0958	0.2780	0.1660	0.4300	Max	L	0.2780
		Benzo(a)pyrene	22	11	50	0.0006	0.2200	0.5000	0.0438	0	0.2180	0.0735	0.1990	0.1210	0.2500	DL	L	0.1990
		Benzo(b)fluoranthene	22	11	50	0.0012	0.2100	0.5000	0.0354	0	0.0769	0.0594	0.1210	0.0976	0.2500	DL	L	0.1210
		Benzo(k)fluoranthene	22	8	36	0.0005	0.1500	0.5000	0.0499	0.000001	0.0459	0.0818	0.00005	0.1330	0.2500	DL	C	0.1330
		Chrysene	22	18	82	0.0004	0.8200	0.0500	0.0828	0	0.4740	0.1570	0.0004	0.2760	0.8200	Max	L	0.0004
		Dibenzo(a,h)anthracene	22	8	36	0.0008	0.0550	0.0500	0.0174	0.0022	0.0022	0.0232	0.0530	0.0326	0.0550	Max	C	0.0326
		Indeno(1,2,3-c,d)pyrene	22	4	18	0.0007	0.0980	0.5000	0.0489	0.000001	0.0097	0.0799	0.2380	0.1290	0.2500	DL	C	0.1290
		Naphthalene	22	10	45	0.0004	14	0.0500	0.9760	0	0.0133	2.17	20.1	4.07	14	Max	C	4.07
	VOC	1,2,4-Trimethylbenzene	17	3	18	0.0510	11	0.2400	0.7300	0	0.0017	1.86	32.5	3.61	11	Max	C	3.61
		Benzene	38	3	8	0.0005	2.7	0.2400	0.1050	0	0	0.2310	0.1060	0.4400	2.7	Max	C	0.4400
		Naphthalene	15	5	33	0.2100	15	0.0051	1.51	0.000001	0.0002	3.39	1380	6.28	15	Max	C	6.28
		Xylenes (Total)	15	3	20	0.0088	72	0.2400	7.95	0.000001	0.00005	17.7	20700	32.7	72	Max	C	32.7
Indoor Air/Shallow	VOC	1,2,4-Trimethylbenzene	17	3	18	0.0510	11	0.2400	0.7300	0	0.0017	1.86	32.5	3.61	11	Max	C	3.61
		1,3,5-Trimethylbenzene	17	2	12	0.0057	1.5	0.6700	0.1240	0	0.0054	0.2780	6.2	0.5190	1.5	Max	C	0.5190
		Benzene	38	3	8	0.0005	2.7	0.2400	0.1050	0	0	0.2310	0.1060	0.4400	2.7	Max	C	0.4400
		Ethylbenzene	38	3	8	0.0035	55	0.2400	2.56	0	0	5.6	1.31	10.6	55	Max	C	10.6
		Isopropylbenzene	15	3	20	0.0110	3.8	0.2400	0.3280	0	0.0002	0.7750	11.8	1.46	3.8	Max	C	1.46
		p-Isopropyltoluene	15	2	13	0.0340	6.4	0.6700	0.4690	0	0.0003	1.22	13	2.37	6.4	Max	C	2.37
		Naphthalene	15	5	33	0.2100	15	0.0051	1.51	0.000001	0.0002	3.39	1380	6.28	15	Max	C	6.28
		n-Propylbenzene	15	2	13	0.0032	0.5500	0.6700	0.0767	0.00001	0.0001	0.1490	1.22	0.2610	0.5500	Max	C	0.2610
		Tetrachloroethene	38	3	8	0.0001	0.0044	1	0.0294	0	0	0.0563	0.0309	0.1010	0.5000	DL	C	0.1010
		Xylenes (Total)	15	3	20	0.0088	72	0.24	7.95	0.000001	0.00005	17.7	20700	32.7	72	Max	C	32.7
Parcel: 7351-033-026; EAPC No. 8																		
Direct-Outdoor Air/Shallow	VOC	Benzene	20	4	20	0.0014	0.8900	0.0050	0.0496	0	0.00005	0.1260	0.1170	0.2480	0.8900	Max	C	0.2480
Indoor Air/Shallow	VOC	Benzene	20	4	20	0.0014	0.8900	0.0050	0.0496	0	0.00005	0.1260	0.1170	0.2480	0.8900	Max	C	0.2480
		Chloromethane	1	1	100	0.00004	0.00004	0	0.00004	0	0	0.00004	0	0.00004	0.00004	Max	C	0.00004
		Freon 12	1	1	100	0.0004	0.0004	0	0.0004	0	0	0.0004	0	0.0004	0.0004	Max	C	0.0004
		Xylenes (Total)	8	1	13	0.3800	0.3800	0.0150	0.0535	0.000001	0.00005	0.1420	0.0002	0.2620	0.3800	Max	C	0.2620
Indoor Air/Deep	VOC	Benzene	14	2	14	0.6400	2.1	0.0050	0.1980	0.000001	0.000002	0.4690	1.84	0.8830	2.1	Max	C	0.8830

TABLE 12a
PARCEL-SPECIFIC COPCs and EPCs
Baseline Risk Assessment
Del Amo Site

Exposure Area, Media and Exposure Pathway of Concern	Analyte Class	Analyte	Data Set						Distribution			Alternate EPCs (mg/kg)						
			Number of Results	Number of Detects	Percent Detect	Detects (mg/kg)		ND (mg/kg)	Shapiro-Wilk P Values			T-based UCL "T"	Land Based UCL "L"	Chebychev UCL "C"	Maximum "M" [a]	Maximum Detect or 1/2 DL	Selection Method	EPC Value [b]
						Minimum	Maximum	Max DL	Mean	P-Normal	P-Log							
Parcel: 7351-033-027; EAPC No. 9																		
Direct-Outdoor Air/Shallow	VOC	Benzene	26	11	42	0.0021	4	0.0250	0.3340	0	0.0002	0.6880	5.17	1.26	4	Max	C	1.26
Indoor Air/Shallow	VOC	1,2,4-Trimethylbenzene	1	1	100	0.0020	0.0020	0	0.0020	0	0	0.0020	0	0.0020	0.0020	Max	C	0.0020
		Benzene	26	11	42	0.0021	4	0.0250	0.3340	0	0.0002	0.6880	5.17	1.26	4	Max	C	1.26
		Methyl isobutyl ketone	2	1	50	0.0185	0.0185	0.5000	0.1340	0	0	0.8650	0	0.6520	0.2500	DL	M	0.2500
		Xylenes (Total)	17	1	6	0.0078	0.0078	0.0500	0.0068	0.0001	0.0113	0.0100	0.0208	0.0149	0.0250	DL	C	0.0149
Indoor Air/Deep	VOC	Benzene	14	7	50	0.0700	20	0.0050	2.05	0.000002	0.0032	4.54	49500	8.32	20	Max	C	8.32
		Naphthalene	3	1	33	0.0130	0.0130	1	0.1710	0	0	0.6510	0	0.9060	0.5000	DL	M	0.5000
Parcel: 7351-033-030; EAPC No. 10																		
Direct-Outdoor Air/Surface	Metals	Cd	6	6	100	6.9	6.9	0	6.9	0	0	6.9	0	6.9	6.9	Max	C	6.9
		Mn	6	6	100	550	550	0	550	0	0	550	0	550	550	Max	C	550
Direct-Outdoor Air/Shallow	Metals	Cd	11	9	82	0.2600	6.9	0.5000	3.91	0.0001	0.0004	5.79	61.7	8.54	6.9	Max	M	6.9
		Cu	11	11	100	26.5	5750	0	603	0	0.0002	1540	1610	2900	5750	Max	C	2900
		Mn	6	6	100	550	550	0	550	0	0	550	0	550	550	Max	C	550
		Tl	11	3	27	1.1	1.8	6	2.11	0.0029	0.0025	2.7	4.01	3.57	3	DL	M	3
Indoor Air/Shallow	VOC	Acetone	3	2	67	0.0390	0.0810	0.0200	0.0433	0	0	0.1040	0	0.1350	0.0810	Max	M	0.0810
		Methyl tert-butyl ether	3	1	33	0.0330	0.0330	0.0050	0.0125	0	0	0.0424	0	0.0583	0.0330	Max	M	0.0330
		Naphthalene	3	1	33	0.0078	0.0078	0.0050	0.0041	0	0	0.0095	0	0.0124	0.0078	Max	M	0.0078
Parcel: 7351-033-034; EAPC No. 11																		
Direct-Outdoor Air/Surface	Metals	As	5	5	100	5.5	14	0	8.9	0.0065	0.0065	13.3	19.6	18.2	14	Max	M	14
		Cd	5	5	100	6.8	6.9	0	6.86	0.0065	0.0065	6.91	6.91	6.97	6.9	Max	M	6.9
	Pesticide	Dieldrin	5	2	40	0.0100	0.0100	0.0100	0.0070	0.0065	0.0065	0.0096	0.0116	0.0125	0.0100	Max	M	0.0100
Direct-Outdoor Air/Shallow	Metals	As	5	5	100	5.5	14	0	8.9	0.0065	0.0065	13.3	19.6	18.2	14	Max	M	14
		Cd	5	5	100	6.8	6.9	0	6.86	0.0065	0.0065	6.91	6.91	6.97	6.9	Max	M	6.9
	Pesticide	Dieldrin	5	2	40	0.0100	0.0100	0.0100	0.007	0.0065	0.0065	0.0096	0.0116	0.0125	0.0100	Max	M	0.0100
	VOC	Benzene	14	7	50	0.0072	14.2	0.0007	1.69	0.00001	0.0031	3.5	12400000	6.27	14.2	Max	C	6.27
Indoor Air/Shallow	VOC	Benzene	14	7	50	0.0072	14.2	0.0007	1.69	0.00001	0.0031	3.5	12400000	6.27	14.2	Max	C	6.27
		Tetrachloroethene	14	12	86	0.0002	0.0059	0.0001	0.0012	0.0004	0.4030	0.0020	0.0050	0.0031	0.0059	Max	L	0.0050
		Toluene	14	6	43	0.0025	0.1020	0.0018	0.0107	0.000001	0.0013	0.0234	0.0351	0.0428	0.1020	Max	C	0.0428
Parcel: 7351-033-040; EAPC No. 12																		
Direct-Outdoor Air/Surface	Metals	As	5	5	100	5.5	14	0	8.9	0.0065	0.0065	13.3	19.6	18.2	14	Max	M	14
		Cd	5	5	100	6.8	6.9	0	6.86	0.0065	0.0065	6.91	6.91	6.97	6.9	Max	M	6.9
	Pesticide	Dieldrin	5	2	40	0.0100	0.0100	0.0100	0.0070	0.0065	0.0065	0.0096	0.0116	0.0125	0.0100	Max	M	0.0100
Direct-Outdoor Air/Shallow	Metals	As	5	5	100	5.5	14	0	8.9	0.0065	0.0065	13.3	19.6	18.2	14	Max	M	14
		Cd	5	5	100	6.8	6.9	0	6.86	0.0065	0.0065	6.91	6.91	6.97	6.9	Max	M	6.9
	Pesticide	Dieldrin	5	2	40	0.0100	0.0100	0.0100	0.0070	0.0065	0.0065	0.0096	0.0116	0.0125	0.0100	Max	M	0.0100
Indoor Air/Shallow	VOC	Benzene	5	2	40	0.0004	0.0005	0.0007	0.0004	0.0001	0.0001	0.0005	0.0005	0.0005	0.0005	Max	M	0.0005
		Xylenes (Total)	5	3	60	0.0026	0.0030	0.0037	0.0024	0.2010	0.1450	0.0029	0.0031	0.0034	0.0030	Max	T	0.0029

TABLE 12a
PARCEL-SPECIFIC COPCs and EPCs
Baseline Risk Assessment
Del Amo Site

Exposure Area, Media and Exposure Pathway of Concern	Analyte Class	Analyte	Data Set						Distribution			Alternate EPCs (mg/kg)						
			Number of Results	Number of Detects	Percent Detect	Detects (mg/kg)		ND (mg/kg)	Shapiro-Wilk P Values			T-based UCL "T"	Land Based UCL "L"	Chebychev UCL "C"	Maximum "M" [(a)]	Maximum Detect or 1/2 DL	Selection Method	EPC Value [(b)]
						Minimum	Maximum	Max DL	Mean	P-Normal	P-Log							
Parcel: 7351-033-045; EAPC No. 13																		
Direct-Outdoor Air/Surface	Metals	As	6	6	100	4.7	14	0	8.2	0.0102	0.0286	11.9	15.4	16.5	14	Max	M	14
		Cd	6	6	100	6.8	7.3	0	7	0.0259	0.0278	7.19	7.2	7.43	7.3	Max	M	7.3
		Mn	6	6	100	390	620	0	517	0.1030	0.0710	603	633	707	620	Max	T	603**
	Pesticide	Dieldrin	6	4	67	0.0084	0.0100	0.0100	0.0078	0.0846	0.0460	0.0097	0.0109	0.0120	0.0100	Max	T	0.0097**
Direct-Outdoor Air/Shallow	Metals	As	7	7	100	4.7	17.5	0	9.53	0.0484	0.0585	13.5	18	18.7	17.5	Max	M	17.5
		Cd	7	7	100	0.5	7.3	0	6.07	0.0000	0.0000	7.88	35.5	10.2	7.3	Max	M	7.3
		Mn	6	6	100	390	620	0	517	0.1030	0.0710	603	633	707	620	Max	T	603**
	Pesticide	Dieldrin	6	4	67	0.0084	0.0100	0.0100	0.0078	0.0846	0.0460	0.0097	0.0109	0.0120	0.0100	Max	T	0.0097**
Indoor Air/Shallow	VOC	1,2,4-Trimethylbenzene	1	1	100	0.0023	0.0023	0	0.0023	0	0	0.0023	0	0.0023	0.0023	Max	C	0.0023
		Benzene	19	2	11	0.0000	0.0004	0.0007	0.0003	0	0	0.0004	0.0005	0.0004	0.0004	Max	M	0.0004
		Tetrachloroethene	1	1	100	0.0001	0.0001	0	0.0001	0	0	0.0001	0	0.0001	0.0001	Max	C	0.0001
Parcel: 7351-033-009; EAPC No. 14																		
Direct-Outdoor Air/Shallow	Metals	Cu	7	7	100	15.4	40700	0	8880	0.0014	0.0329	20500	1.8E+12	35700	40700	Max	C	35700
		Tl	7	6	86	0.8000	6.3	5	2.17	0.0093	0.4620	3.58	5.22	5.42	6.3	Max	L	5.22
		V	7	7	100	31.8	74.8	0	49.6	0.3060	0.2630	62.1	68.4	78.3	74.8	Max	T	62.1
	SVOC	Benzo(a)pyrene	7	3	43	0.0007	0.0071	0.0050	0.0027	0.0123	0.1470	0.0042	0.0077	0.0063	0.0071	Max	M	0.0071
Indoor Air/Shallow	VOC	1,2,4-Trimethylbenzene	2	2	100	0.0013	0.0104	0	0.0059	0	0	0.0347	0	0.0263	0.0104	Max	M	0.0104
		1,3,5-Trimethylbenzene	2	1	50	0.0002	0.0002	0.0002	0.0002	0	0	0.0005	0	0.0004	0.0002	Max	M	0.0002
		Acetonitrile	12	1	8	0.0560	0.0560	0.5090	0.2190	0.00001	0.00001	0.2620	0.0003	0.3270	0.2545	DL	M	0.2545
		Benzene	12	2	17	0.0003	0.0004	0.0007	0.0003	0.00002	0.000002	0.0004	0.0011	0.0005	0.0004	Max	M	0.0004
		Chloroform	2	1	50	0.00004	0.00004	2.6E-05	0.00002	0	0	0.0001	0	0.0001	0.00004	Max	M	0.00004
		Chloromethane	2	1	50	0.00003	0.00003	2.4E-06	0.00002	0	0	0.0001	0	0.0001	0.00003	Max	M	0.00003
		Methylene chloride	2	1	50	0.00002	0.00002	3.6E-05	0.00002	0	0	0.00002	0	0.00002	0.00002	DL	M	0.00002
		Tetrachloroethene	2	2	100	0.00004	0.0001	0	0.0001	0	0	0.0004	0	0.0003	0.0001	Max	M	0.0001
		Trichloroethene	2	1	50	0.0049	0.0049	3.8E-05	0.0024	0	0	0.0177	0	0.0132	0.0049	Max	M	0.0049
		Xylenes (Total)	12	3	25	0.0001	0.0037	0.0037	0.0018	0.0007	0.00003	0.0022	0.0042	0.0028	0.0037	Max	C	0.0028
Parcel: 7351-033-900; EAPC No. 15																		
Direct-Outdoor Air/Shallow	VOC	Benzene	2	2	100	2.1	3.5	0	2.8	0	0	7.22	0	5.93	3.5	Max	M	3.5
Indoor Air/Shallow	VOC	Benzene	2	2	100	2.1	3.5	0	2.8	0	0	7.22	0	5.93	3.5	Max	M	3.5
		Ethylbenzene	2	1	50	0.0080	0.0080	0.0050	0.0053	0	0	0.0226	0	0.0175	0.0080	Max	M	0.0080
		Naphthalene	1	1	100	0.0080	0.0080	0	0.0080	0	0	0.0080	0	0.0080	0.0080	Max	C	0.0080
		Toluene	2	1	50	0.0040	0.0040	0.0050	0.0033	0	0	0.0080	0	0.0066	0.0040	Max	M	0.0040
Indoor Air/Deep	VOC	Benzene	25	22	88	3.3	910	0.0250	90.5	0	0.0018	175	11800	312	910	Max	C	312
		Toluene	25	6	24	0.1400	0.1900	10	0.3320	0	0.0110	0.6750	1.05	1.23	5	DL	C	1.23

TABLE 12a
PARCEL-SPECIFIC COPCs and EPCs
Baseline Risk Assessment
Del Amo Site

Exposure Area, Media and Exposure Pathway of Concern	Analyte Class	Analyte	Data Set						Distribution			Alternate EPCs (mg/kg)						
			Number of Results	Number of Detects	Percent Detect	Detects (mg/kg)		ND (mg/kg)	Shapiro-Wilk P Values			T-based UCL "T"	Land Based UCL "L"	Chebychev UCL "C"	Maximum "M" [a]	Maximum Detect or 1/2 DL	Selection Method	EPC Value [b]
						Minimum	Maximum	Max DL	Mean	P-Normal	P-Log							
Parcel: 7351-034-015,-050,-056; EAPC No. 16																		
Direct-Outdoor Air/Shallow	Metals	Cd	4	4	100	3.8	14	0	10.3	0.2490	0.1280	16	51	21.1	14	Max	M	14
		Mn	4	4	100	270	560	0	408	0.6520	0.6660	547	664	673	560	Max	M	560
	Pesticide	4,4'-DDD	15	8	53	0.0120	1.2	0.0039	0.0996	0	0.2150	0.2390	2.51	0.4530	1.2	Max	M	1.2
		4,4'-DDE	15	6	40	0.0100	1.2	0.0130	0.0896	0	0.1120	0.2290	0.0906	0.4440	1.2	Max	L	0.0906
		4,4'-DDT	15	6	40	0.0170	7.4	0.0130	0.5190	0	0.0649	1.39	24.8	2.72	7.4	Max	M	7.4
		Aroclor 1260	12	4	33	0.0200	0.1000	0.0480	0.0301	0.0005	0.0071	0.0450	0.0855	0.0672	0.1000	Max	C	0.0672
	SVOC	Benzo(a)pyrene	15	8	53	0.0034	0.0430	40	1.49	0	0.0125	3.83	35.8	7.43	20	DL	C	7.43
		Dibenzo(a,h)anthracene	15	8	53	0.0006	0.0120	80	2.83	0	0.0069	7.51	696	14.7	40	DL	C	14.7
		N-Nitrosodiphenylamine	4	1	25	280	280	4	70.6	0.0015	0.1470	235	9.4E+21	383	280	Max	M	280
	VOC	Benzene	105	19	18	7.3E-06	0.928	400	2.39	0	0	5.65	0.0401	11.2	200	DL	C	11.2
		Ethylbenzene	105	38	36	0.0002	12000	0.2200	162	0	0	363	21.1	703	12000	Max	C	703
		Styrene	105	23	22	0.0006	15000	100	147	0	0	384	0.0010	786	15000	Max	C	786
		Tetrachloroethene	105	50	48	0.00001	2.17	400	2.44	0	0	5.7	1.45	11.2	200	DL	C	11.2
		Trichloroethene	105	42	40	0.0001	8.13	400	2.54	0	0	5.79	3.75	11.3	200	DL	C	11.3
Indoor Air/Shallow	VOC	1,2,4-Trimethylbenzene	37	6	16	0.0015	0.0147	28.4	0.5820	0	0	1.28	0.2870	2.42	14.2	DL	C	2.42
		1,3,5-Trimethylbenzene	37	4	11	0.0002	0.0009	3.91	0.0839	0	0.000001	0.1790	0.0759	0.3350	1.96	DL	C	0.3350
		4-Ethyl Toluene	11	6	55	0.0002	0.0033	8.02	0.5480	0.000004	0.0165	1.23	78700	2.23	4.01	DL	C	2.23
		Acetone	45	8	18	0.0014	0.3200	8000	112	0	0	265	90.3	519	4000	DL	C	519
		Benzene	105	19	18	7.3E-06	0.9280	400	2.39	0	0	5.65	0.0401	11.2	200	DL	C	11.2
		Chloroform	75	7	9	0.0015	0.0174	400	3.34	0	0	7.91	0.0002	15.6	200	DL	C	15.6
		Ethylbenzene	105	38	36	0.0002	12000	0.2200	162	0	0	363	21.1	703	12000	Max	C	703
		Naphthalene	26	2	8	0.0022	0.6700	0.0062	0.0280	0	0	0.0719	0.0097	0.1430	0.6700	Max	C	0.1430
		Styrene	105	23	22	0.0006	15000	100	147	0	0	384	0.0010	786	15000	Max	C	786
		Tetrachloroethene	105	50	48	0.00001	2.17	400	2.44	0	0	5.7	1.45	11.2	200	DL	C	11.2
		Toluene	105	21	20	0.0003	6.4	400	2.45	0	0	5.7	0.0385	11.2	200	DL	C	11.2
		Trichloroethene	105	42	40	0.0001	8.13	400	2.54	0	0	5.79	3.75	11.3	200	DL	C	11.3
		Xylenes (Total)	45	6	13	0.0007	0.0041	400	7.87	0	0	17.1	4.09	32.4	200	DL	C	32.4
Indoor Air/Deep	VOC	1,1,1-Trichloroethane	11	1	9	0.0078	0.0078	0.1000	0.0203	0.0001	0.0004	0.0332	0.1520	0.0521	0.0500	DL	M	0.0500
		1,1-Dichloroethene	11	1	9	0.0177	0.0177	0.1000	0.0212	0.0003	0.0004	0.0339	0.1750	0.0526	0.0500	DL	M	0.0500
		Benzene	10	4	40	0.0130	12.6	0.1000	1.28	0	0.0085	3.58	274	6.9	12.6	Max	C	6.9
		Ethylbenzene	11	3	27	0.0120	1.2	0.1000	0.1320	0	0.0486	0.3260	3.37	0.6110	1.2	Max	C	0.6110
		Tetrachloroethene	11	1	9	0.0022	0.0022	0.1000	0.0197	0.0001	0.0001	0.0328	0.1660	0.0521	0.0500	DL	M	0.0500
		Trichloroethene	11	1	9	0.0152	0.0152	0.1000	0.0209	0.0002	0.0004	0.0337	0.1690	0.0524	0.0500	DL	M	0.0500

TABLE 12a
PARCEL-SPECIFIC COPCs and EPCs
Baseline Risk Assessment
Del Amo Site

Exposure Area, Media and Exposure Pathway of Concern	Analyte Class	Analyte	Data Set						Distribution			Alternate EPCs (mg/kg)						
			Number of Results	Number of Detects	Percent Detect	Detects (mg/kg)		ND (mg/kg)	Shapiro-Wilk P Values			T-based UCL "T"	Land Based UCL "L"	Chebychev UCL "C"	Maximum "M" [a]	Maximum Detect or 1/2 DL	Selection Method	EPC Value [b]
						Minimum	Maximum	Max DL	Mean	P-Normal	P-Log							
Parcel: 7351-034-039; EAPC No. 17																		
Direct-Outdoor Air/Shallow	VOC	Benzene	16	3	19	0.0012	2.62	0.0007	0.1760	0	0.000001	0.4630	1.42	0.9080	2.62	Max	C	0.9080
Indoor Air/Shallow	VOC	4-Ethyl Toluene	1	1	100	0.4610	0.4610	0	0.4610	0	0	0.4610	0	0.4610	0.4610	Max	C	0.4610
		Benzene	16	3	19	0.0012	2.62	0.0007	0.1760	0	0.000001	0.4630	1.42	0.9080	2.62	Max	C	0.9080
		Cyclohexane	16	2	13	0.0020	0.0327	7.4E-05	0.0022	0	0	0.0058	0.0038	0.0113	0.0327	Max	C	0.0113
		Ethylbenzene	16	5	31	0.0358	21.4	0.0032	1.44	0	0.00004	3.78	57.8	7.4	21.4	Max	C	7.4
		Styrene	16	2	13	0.7010	7.97	0.0188	0.5500	0	0	1.42	1.09	2.77	7.97	Max	C	2.77
		Tetrachloroethene	16	1	6	0.0001	0.0001	0.0001	0.0001	0	0	0.0001	0.0001	0.0001	0.0001	Max	C	0.0001
		Toluene	16	3	19	0.0016	1.81	0.0018	0.1210	0	0.000001	0.3180	0.3310	0.6240	1.81	Max	C	0.6240
		m,p-Xylene*	15	1	7	0.1550	0.1550	0.0038	0.0121	0	0	0.0302	0.0120	0.0579	0.1550	Max	C	0.0579
		Xylenes (Total)*	1	1	100	1.6	1.6	0	1.6	0	0	1.6	0	1.6	1.6	Max	C	1.6
Parcel: 7351-034-041; EAPC No. 18																		
Indoor Air/Shallow	VOC	Benzene	17	3	18	0.0016	0.0522	0.0007	0.0036	0	0.00003	0.0089	0.0055	0.0172	0.0522	Max	C	0.0172
		Ethylbenzene	17	3	18	0.0090	1.04	0.0032	0.0662	0	0.00002	0.1730	0.1360	0.3390	1.04	Max	C	0.3390
		Styrene	17	2	12	0.0150	0.3850	0.0188	0.0313	0	0.000002	0.0700	0.0452	0.1300	0.3850	Max	C	0.1300
		Tetrachloroethene	6	3	50	0.0001	0.0011	0.0001	0.0003	0.0013	0.0353	0.0006	0.0031	0.0010	0.0011	Max	C	0.0010
		Toluene	17	3	18	0.0030	0.1650	0.0018	0.0107	0	0.00001	0.0276	0.0136	0.0538	0.1650	Max	C	0.0538
		m,p-Xylene	5	1	20	0.0064	0.0064	0.0038	0.0028	0.0001	0.0001	0.0047	0.0066	0.0069	0.0064	Max	M	0.0064
Parcel: 7351-034-043; EAPC No. 19																		
Direct-Outdoor Air/Shallow	SVOC	Benzo(a)pyrene	1	1	100	0.0180	0.0180	0	0.0180	0	0	0.0180	0	0.0180	0.0180	Max	C	0.0180
		Dibenzo(a,h)anthracene	1	1	100	0.0092	0.0092	0	0.0092	0	0	0.0092	0	0.0092	0.0092	Max	C	0.0092
Indoor Air/Shallow	VOC	1,1,1-Trichloroethane	6	4	67	0.0001	0.0087	0.0044	0.0029	0.0758	0.1850	0.0059	204	0.0096	0.0087	Max	M	0.0087
		Freon 11	2	1	50	0.0007	0.0007	0.0089	0.0026	0	0	0.0145	0	0.0110	0.0045	DL	M	0.0045
		Tetrachloroethene	6	5	83	0.0012	0.0351	0.0044	0.0085	0.0005	0.3750	0.0193	0.0974	0.0324	0.0351	Max	M	0.0351
Parcel: 7351-034-045; EAPC No. 20																		
Direct-Outdoor Air/Shallow	SVOC	Benzo(a)pyrene	2	2	100	0.0010	0.0130	0	0.0070	0	0	0.0449	0	0.0338	0.0130	Max	M	0.0130
Indoor Air/Shallow	VOC	Acetone	2	1	50	0.0541	0.0541	0.0200	0.0321	0	0	0.1710	0	0.1310	0.0541	Max	M	0.0541
		Freon 11	2	1	50	0.0026	0.0026	0.0081	0.0033	0	0	0.0079	0	0.0066	0.0041	DL	M	0.0041
		Tetrachloroethene	5	4	80	0.0001	0.0162	0.0040	0.0054	0.1210	0.6280	0.0115	18.4	0.0183	0.0162	Max	M	0.0162
Parcel: 7351-034-047; EAPC No. 21																		
Indoor Air/Shallow	VOC	Benzene	13	3	23	0.0004	0.0355	0.0007	0.0031	0.000001	0.000002	0.0080	0.0046	0.0152	0.0355	Max	C	0.0152
		Ethylbenzene	13	4	31	0.0055	2.1	0.0032	0.1620	0.000001	0.00003	0.4450	0.0027	0.8710	2.06	Max	C	0.8710
		Tetrachloroethene	9	2	22	0.0002	0.0007	0.0093	0.0007	0.000003	0.0005	0.0016	0.0057	0.0029	0.0046	DL	C	0.0029
		Toluene	13	1	8	0.0020	0.0020	0.0018	0.0010	0.000001	0.000001	0.0011	0.0011	0.0014	0.0020	Max	C	0.0014

TABLE 12a
PARCEL-SPECIFIC COPCs and EPCs
Baseline Risk Assessment
Del Amo Site

Exposure Area, Media and Exposure Pathway of Concern	Analyte Class	Analyte	Data Set						Distribution			Alternate EPCs (mg/kg)						
			Number of Results	Number of Detects	Percent Detect	Detects (mg/kg)		ND (mg/kg)	Shapiro-Wilk P Values			T-based UCL "T"	Land Based UCL "L"	Chebychev UCL "C"	Maximum "M" [a]	Maximum Detect or 1/2 DL	Selection Method	EPC Value [b]
						Minimum	Maximum	Max DL	Mean	P-Normal	P-Log							
Parcel: 7351-034-052; EAPC No. 22																		
Direct-Outdoor Air/Shallow	VOC	Trichloroethene	4	1	25	0.0243	0.0243	0.0041	0.0071	0.0114	0.6450	0.0206	9340000	0.0327	0.0243	Max	M	0.0243
Indoor Air/Shallow	VOC	1,2,4-Trimethylbenzene	3	1	33	0.0071	0.0071	0.0041	0.0037	0	0	0.0087	0	0.0113	0.0071	Max	M	0.0071
		Benzene	8	1	13	0.0001	0.0001	0.0041	0.0008	0.0005	0.0216	0.0013	0.0027	0.0020	0.0021	DL	C	0.0020
		Tetrachloroethene	4	1	25	0.0014	0.0014	0.0041	0.0014	0.1480	0.0213	0.0025	0.0941	0.0034	0.0021	DL	M	0.0021
		Trichloroethene	4	1	25	0.0243	0.0243	0.0041	0.0071	0.0114	0.6450	0.0206	9340000	0.0327	0.0243	Max	M	0.0243
		Xylenes (Total)	7	1	14	0.0014	0.0014	0.0041	0.0019	0.0159	0.0075	0.0020	0.0020	0.0022	0.0021	DL	M	0.0021
Parcel: 7351-034-057; EAPC No. 23																		
Direct-Outdoor Air/Shallow	VOC	Benzene	130	43	33	0.00005	300	100	3.02	0	0	6.9	1.23	13.5	300	Max	C	13.5
		Ethylbenzene	130	59	45	0.0005	12000	0.0097	133	0	0	298	13.1	577	12000	Max	C	577
		Tetrachloroethene	106	56	53	0.0001	0.2540	100	0.6140	0	0	1.42	0.3100	2.78	50	DL	C	2.78
		Trichloroethene	106	22	21	0.0002	0.0085	100	0.5950	0	0	1.4	0.0067	2.76	50	DL	C	2.76
Indoor Air/Shallow	VOC	1,1,1-Trichloroethane	106	19	18	0.00005	0.0086	100	0.5950	0	0	1.4	0.0038	2.76	50	DL	C	2.76
		1,2,4-Trimethylbenzene	7	3	43	0.0016	0.0071	1	0.0837	0.00005	0.0444	0.2200	119	0.3970	0.5000	DL	C	0.3970
		1,3,5-Trimethylbenzene	7	2	29	0.0003	0.0003	1	0.0733	0.00001	0.1250	0.2110	30700	0.3910	0.5000	DL	M	0.5000
		Acetone	11	3	27	0.0013	0.0940	2000	103	0	0.1750	267	7.1E+10	507	1000	DL	M	1000
		Benzene	130	43	33	0.00005	300	100	3.02	0	0	6.9	1.23	13.5	300	Max	C	13.5
		sec-Butylbenzene	2	1	50	1	1	0.0043	0.5010	0	0	3.65	0	2.73	1	Max	M	1
		Chloroform	94	7	7	0.0002	0.0005	100	0.6710	0	0	1.58	0.0060	3.12	50	DL	C	3.12
		Ethylbenzene	130	59	45	0.0005	12000	0.0097	133	0	0	298	13.1	577	12000	Max	C	577
		Styrene	130	20	15	0.0028	2.2	100	0.5730	0	0	1.23	0.1110	2.34	50	DL	C	2.34
		Tetrachloroethene	106	56	53	0.0001	0.2540	100	0.6140	0	0	1.42	0.3100	2.78	50	DL	C	2.78
		Toluene	130	33	25	0.0003	7.4	100	0.5900	0	0	1.25	0.0509	2.38	50	DL	C	2.38
		Trichloroethene	106	22	21	0.0002	0.0085	100	0.5950	0	0	1.4	0.0067	2.76	50	DL	C	2.76
		Xylenes (Total)	35	8	23	0.0001	0.0078	300	4.67	0	0	11.9	1.7	23.8	150	DL	C	23.8
Indoor Air/Deep	VOC	1,2-Dichloroethane	31	7	23	0.0263	0.2660	0.3000	0.0480	0.000001	0.0004	0.0688	0.2710	0.1030	0.2660	Max	C	0.1030
		Benzene	31	23	74	0.0930	220	0.0050	34.2	0	0.0044	52.2	1530000	81.8	220	Max	C	81.8
		Chloroform	31	4	13	0.0003	0.0012	0.3000	0.0189	0	0.0009	0.0288	0.0850	0.0449	0.1500	DL	C	0.0449
		Ethylbenzene	31	5	16	0.0053	9.97	0.5000	0.6060	0	0.00004	1.28	1.32	2.39	9.97	Max	C	2.39
		Styrene	31	7	23	0.0250	0.9100	0.5630	0.2040	0.00003	0.00004	0.2780	3.98	0.3990	0.9100	Max	C	0.3990
		Toluene	31	16	52	0.0355	3.36	0.5000	0.4660	0	0.0006	0.7090	17.5	1.1	3.36	Max	C	1.1
		Trichloroethene	31	6	19	0.0003	0.0227	0.5000	0.0231	0	0.0024	0.0375	0.0851	0.0609	0.2500	DL	C	0.0609
Parcel: 7351-034-058; EAPC No. 24																		
Direct-Outdoor Air/Shallow	SVOC	Benzo(a)pyrene	8	4	50	0.0012	0.0390	10	0.6580	0.000002	0.5450	1.83	2260	3.43	5	DL	M	5
	VOC	Trichloroethene	12	1	8	0.0106	0.0106	10	0.4180	0.000001	0.0043	1.17	2220	2.28	5	DL	C	2.28

TABLE 12a
PARCEL-SPECIFIC COPCs and EPCs
Baseline Risk Assessment
Del Amo Site

Exposure Area, Media and Exposure Pathway of Concern	Analyte Class	Analyte	Data Set						Distribution			Alternate EPCs (mg/kg)						
			Number of Results	Number of Detects	Percent Detect	Detects (mg/kg)		ND (mg/kg)	Shapiro-Wilk P Values			T-based UCL "T"	Land Based UCL "L"	Chebychev UCL "C"	Maximum "M" [a]	Maximum Detect or 1/2 DL	Selection Method	EPC Value [b]
						Minimum	Maximum	Max DL	Mean	P-Normal	P-Log							
Parcel: 7351-034-058; EAPC No. 24 Cont'd																		
Indoor Air/Shallow	VOC	1,2,4-Trimethylbenzene	5	3	60	0.0009	0.0047	0.0050	0.0027	0.4020	0.2450	0.0040	0.0080	0.0054	0.0047	Max	T	0.0040
		1,3,5-Trimethylbenzene	5	2	40	0.0001	0.0003	0.0050	0.0011	0.0141	0.1140	0.0023	1.76	0.0037	0.0025	DL	M	0.0025
		Benzene	23	3	13	0.00002	0.0004	10	0.2180	0	0	0.5910	0.0640	1.19	5	DL	C	1.19
		Ethylbenzene	23	5	22	0.00005	82	0.0050	3.57	0	0	9.69	1.07	19.5	82	Max	C	19.5
		Tetrachloroethene	12	1	8	0.00004	0.00004	10	0.4170	0.000001	0.0006	1.17	1380	2.28	5	DL	C	2.28
		Trichloroethene	12	1	8	0.0106	0.0106	10	0.4180	0.000001	0.0043	1.17	2220	2.28	5	DL	C	2.28
		Xylenes (Total)	17	3	18	0.0001	0.0011	30	0.8840	0	0.000002	2.42	0.0451	4.83	15	DL	C	4.83
Indoor Air/Deep	VOC	Benzene	6	3	50	0.0140	2500	0.1000	417	0.00002	0.0946	1260	2.6E+26	2280	2500	Max	M	2500
		Methylene chloride	6	2	33	0.0058	0.0079	20	1.69	0.00002	0.1170	5.04	12600000	9.12	10	DL	M	10
		Toluene	6	2	33	0.1400	160	0.1000	26.7	0.00002	0.0367	80.4	2.7E+16	146	160	Max	C	146
Parcel: 7351-034-066; EAPC No. 25																		
Indoor Air/Shallow	VOC	1,2,4-Trimethylbenzene	1	1	100	0.0007	0.0007	0	0.0007	0	0	0.0007	0	0.0007	0.0007	Max	C	0.0007
		Carbon Tetrachloride	1	1	100	0.0001	0.0001	0	0.0001	0	0	0.0001	0	0.0001	0.0001	Max	C	0.0001
		Chloroform	1	1	100	0.0002	0.0002	0	0.0002	0	0	0.0002	0	0.0002	0.0002	Max	C	0.0002
		Tetrachloroethene	1	1	100	0.0001	0.0001	0	0.0001	0	0	0.0001	0	0.0001	0.0001	Max	C	0.0001
Parcel: 7351-034-067; EAPC No. 26																		
Indoor Air/Shallow	VOC	Chloroform	12	1	8	0.0003	0.0003	0.0003	0.0001	0.000001	0.000001	0.0002	0.0002	0.0002	0.0003	Max	C	0.0002
		Dichlorobromomethane	1	1	100	0.0001	0.0001	0	0.0001	0	0	0.0001	0	0.0001	0.0001	Max	C	0.0001
		Tetrachloroethene	12	1	8	0.0001	0.0001	0.0001	0.0001	0.000001	0.000001	0.0001	0.0001	0.0001	0.0001	DL	C	0.0001
Parcel: 7351-034-068; EAPC No. 27																		
No COPCs were selected for soil; see groundwater pathway																		
Parcel: 7351-034-069; EAPC No. 28																		
Direct-Outdoor Air/Shallow	Metals	Tl	3	2	67	11	12	7	8.83	0	0	16.7	0	20.8	12	Max	M	12
	SVOC	2-Methylnaphthalene	21	14	67	0.0003	22	0.2000	1.13	0	0.0765	2.93	35.1	5.79	22	Max	M	22
		Benzo(a)anthracene	21	12	57	0.0016	2.5	0.2000	0.1740	0	0.0069	0.3790	1.14	0.7040	2.5	Max	C	0.7040
		Benzo(a)pyrene	21	11	52	0.0017	2.2	0.5000	0.1540	0	0.0085	0.3320	1.04	0.6170	2.2	Max	C	0.6170
		Benzo(b)fluoranthene	21	14	67	0.0006	2.7	0.2000	0.1730	0	0.0181	0.3920	1.36	0.7410	2.7	Max	C	0.7410
		Benzo(k)fluoranthene	21	13	62	0.0005	2.1	0.5000	0.1390	0	0.0994	0.3100	1.22	0.5820	2.1	Max	L	1.22
		Chrysene	21	14	67	0.0006	2.8	0.2000	0.2000	0	0.1220	0.4280	1.9	0.7920	2.8	Max	L	1.9
		Dibenzo(a,h)anthracene	21	9	43	0.0008	0.6600	0.5000	0.0853	0.000001	0.0041	0.1460	1.12	0.2420	0.6600	Max	C	0.2420
		Indeno(1,2,3-c,d)pyrene	21	10	48	0.0007	0.9700	0.5000	0.0899	0	0.0183	0.1710	1.11	0.3000	0.9700	Max	C	0.3000
		Naphthalene	21	11	52	0.0006	87	0.0250	4.27	0	0.0001	11.4	42.3	22.8	87	Max	C	22.8
	VOC	Benzene	88	13	15	0.0006	0.1700	0.2200	0.0092	0	0	0.0149	0.0052	0.0245	0.1700	Max	C	0.0245
		n-Butylbenzene	36	12	33	0.0010	27	0.2200	0.7620	0	0	2.03	0.1580	4.11	27	Max	C	4.11
		sec-Butylbenzene	39	9	23	0.0020	51	0.2200	1.32	0	0	3.53	0.1620	7.17	51	Max	C	7.17
		Tetrachloroethene	70	18	26	0.00003	0.2270	0.2200	0.0085	0	0.00001	0.0149	0.0103	0.0258	0.2270	Max	C	0.0258

TABLE 12a
PARCEL-SPECIFIC COPCs and EPCs
Baseline Risk Assessment
Del Amo Site

Exposure Area, Media and Exposure Pathway of Concern	Analyte Class	Analyte	Data Set						Distribution			Alternate EPCs (mg/kg)						
			Number of Results	Number of Detects	Percent Detect	Detects (mg/kg)		ND (mg/kg)	Shapiro-Wilk P Values			T-based UCL "T"	Land Based UCL "L"	Chebychev UCL "C"	Maximum "M" [(a)]	Maximum Detect or 1/2 DL	Selection Method	EPC Value [(b)]
						Minimum	Maximum	Max DL	Mean	P-Normal	P-Log							
Parcel: 7351-034-069; EAPC No. 28 Cont'd																		
Indoor Air/Shallow	VOC	Benzene	88	13	15	0.0006	0.1700	0.2200	0.0092	0	0	0.0149	0.0052	0.0245	0.1700	Max	C	0.0245
		n-Butylbenzene	36	12	33	0.0010	27	0.2200	0.7620	0	0	2.03	0.1580	4.11	27	Max	C	4.11
		sec-Butylbenzene	39	9	23	0.0020	51	0.2200	1.32	0	0	3.53	0.1620	7.17	51	Max	C	7.17
		Cyclohexane	85	14	16	0.0002	0.7000	0.0500	0.0136	0	0	0.0285	0.0060	0.0536	0.7000	Max	C	0.0536
		Ethylbenzene	88	17	19	0.0006	2.45	0.0050	0.1110	0	0	0.1900	0.0358	0.3240	2.45	Max	C	0.3240
		Isopropylbenzene	39	4	10	0.0010	1.3	0.2200	0.0372	0	0	0.0934	0.0082	0.1860	1.3	Max	C	0.1860
		Naphthalene	39	6	15	0.0020	0.6900	0.0100	0.0239	0	0	0.0539	0.0106	0.1040	0.6900	Max	C	0.1040
		Styrene	88	8	9	0.0030	5.62	0.0188	0.1050	0	0	0.2150	0.0537	0.4010	5.62	Max	C	0.4010
		Tetrachloroethene	70	18	26	0.00003	0.2270	0.2200	0.0085	0	0.00001	0.0149	0.0103	0.0258	0.2270	Max	C	0.0258
		Toluene	88	12	14	0.0001	0.4520	0.2200	0.0179	0	0	0.0307	0.0076	0.0524	0.4520	Max	C	0.0524
		m,p-Xylene*	57	7	12	0.0030	1.1	0.0100	0.0299	0	0	0.0629	0.0123	0.1180	1.1	Max	C	0.1180
		Xylenes (Total)*	31	5	16	0.0006	0.1300	0.2200	0.0114	0	0.0001	0.0205	0.0191	0.0355	0.1300	Max	C	0.0355
Parcel: 7351-034-070; EAPC No. 29																		
Direct-Outdoor Air/Surface	Metals	As	5	5	100	5.3	30	0	20.1	0.0065	0.0065	33	218	47.2	30	Max	M	30
		Cd	5	5	100	6.7	6.8	0	6.74	0.0065	0.0065	6.79	6.79	6.85	6.8	Max	M	6.8
		Mn	5	5	100	360	550	0	436	0.0065	0.0065	535	569	644	550	Max	M	550
	Pesticide	4,4'-DDE	5	5	100	0.7900	2.2	0	1.64	0.0065	0.0065	2.37	4.14	3.18	2.2	Max	M	2.2
		4,4'-DDT	5	5	100	4.2	5.3	0	4.86	0.0065	0.0065	5.43	5.56	6.06	5.3	Max	M	5.3
	SVOC	Benzo(a)anthracene	5	2	40	0.3100	0.3100	0.2000	0.1840	0.0065	0.0065	0.2940	0.0021	0.4140	0.3100	Max	M	0.3100
Direct-Outdoor Air/Shallow	Metals	As	8	8	100	1	30	0	13.5	0.0041	0.1270	22.7	167	35.3	30	Max	M	30
		Cd	8	8	100	6.7	8.7	0	7.32	0.0048	0.0055	7.91	7.94	8.7	8.7	Max	C	8.7
		Mn	8	8	100	350	610	0	464	0.0145	0.0108	541	563	646	610	Max	M	610
	Pesticide	4,4'-DDE	8	6	75	0.0110	2.2	0.0010	1.02	0.0207	0.0115	1.71	8.8E+08	2.65	2.2	Max	M	2.2
		4,4'-DDT	8	6	75	0.0540	5.3	0.0010	3.04	0.0065	0.0027	4.75	7.7E+11	7.07	5.3	Max	M	5.3
	SVOC	Benzo(a)anthracene	9	2	22	0.3100	0.3100	0.2000	0.1470	0.00002	0.00002	0.2040	0.2180	0.2850	0.3100	Max	C	0.2850**
Indoor Air/Deep	VOC	Benzene	7	1	14	0.9300	0.9300	0.1000	0.1760	0.000004	0.000004	0.4200	0.1930	0.7380	0.9300	Max	C	0.7380
Parcel: 7351-034-072; EAPC No. 30																		
Direct-Outdoor Air/Surface	SVOC	Benzo(a)pyrene	1	1	100	0.0081	0.0081	0	0.0081	0	0	0.0081	0	0.0081	0.0081	Max	C	0.0081
Direct-Outdoor Air/Shallow	Metals	Cd	4	4	100	13	13	0	13	0	0	13	0	13	13	Max	C	13
		Mn	4	4	100	310	520	0	378	0.0409	0.0749	490	534	592	520	Max	M	520
	SVOC	Benzo(a)anthracene	7	6	86	0.0016	0.3300	0.2000	0.0685	0.0008	0.8660	0.1570	12.6	0.2720	0.3300	Max	M	0.3300
		Benzo(a)pyrene	7	6	86	0.0013	0.2200	0.2000	0.0506	0.0023	0.5980	0.1110	8.81	0.1900	0.2200	Max	M	0.2200
		Benzo(b)fluoranthene	7	6	86	0.0025	0.1400	0.2000	0.0409	0.0072	0.4560	0.0817	1.42	0.1350	0.1400	Max	M	0.1400
		Benzo(k)fluoranthene	7	6	86	0.0009	0.1400	0.4000	0.0542	0.0050	0.7160	0.1140	22.3	0.1910	0.2000	DL	M	0.2000
		Dibenzo(a,h)anthracene	7	5	71	0.0005	0.0069	0.4000	0.0312	0.00001	0.0963	0.0859	2.97	0.1570	0.2000	DL	M	0.2000
Indoor Air/Shallow	VOC	Tetrachloroethene	10	7	70	0.0001	0.0013	0.0050	0.0005	0.00002	0.0040	0.0009	0.0021	0.0016	0.0025	DL	C	0.0016

TABLE 12a
PARCEL-SPECIFIC COPCs and EPCs
Baseline Risk Assessment
Del Amo Site

Exposure Area, Media and Exposure Pathway of Concern	Analyte Class	Analyte	Data Set						Distribution			Alternate EPCs (mg/kg)						
			Number of Results	Number of Detects	Percent Detect	Detects (mg/kg)		ND (mg/kg)	Shapiro-Wilk P Values			T-based UCL "T"	Land Based UCL "L"	Chebychev UCL "C"	Maximum "M" [a]	Maximum Detect or 1/2 DL	Selection Method	EPC Value [b]
						Minimum	Maximum	Max DL	Mean	P-Normal	P-Log							
Parcel: 7351-034-073; EAPC No. 31																		
Indoor Air/Shallow	VOC	Benzene	3	1	33	0.0082	0.0082	0.0007	0.0030	0	0	0.0106	0	0.0146	0.0082	Max	M	0.0082
		Ethylbenzene	3	1	33	0.0223	0.0223	0.0032	0.0085	0	0	0.0286	0	0.0393	0.0223	Max	M	0.0223
		Styrene	3	1	33	0.1220	0.1220	0.0188	0.0470	0	0	0.1570	0	0.2150	0.1220	Max	M	0.1220
		Toluene	3	1	33	0.0075	0.0075	0.0018	0.0031	0	0	0.0095	0	0.0130	0.0075	Max	M	0.0075
		Xylenes (Total)	3	1	33	0.0086	0.0086	0.0037	0.0041	0	0	0.0106	0	0.0141	0.0086	Max	M	0.0086
Parcel: 7351-034-076; EAPC No. 32																		
Direct-Outdoor Air/Shallow	SVOC	Benzo(a)anthracene	5	3	60	0.00033	1	0.0050	0.2010	0.0001	0.0666	0.6270	1.3E+10	1.09	1	Max	M	1
		Benzo(a)pyrene	5	1	20	0.7400	0.7400	0.0050	0.1500	0.0001	0.0001	0.4640	730000	0.8090	0.7400	Max	M	0.7400
		Benzo(b)fluoranthene	5	1	20	0.2900	0.2900	0.0050	0.0600	0.0001	0.0001	0.1830	2460	0.3170	0.2900	Max	M	0.2900
		Benzo(k)fluoranthene	5	1	20	0.2900	0.2900	0.0050	0.0600	0.0001	0.0001	0.1830	2460	0.3170	0.2900	Max	M	0.2900
		Chrysene	5	4	80	0.00043	1.1	0.0050	0.2210	0.0001	0.0220	0.6890	2.3E+10	1.2	1.1	Max	M	1.1
		Dibenzo(a,h)anthracene	5	2	40	0.00029	0.0250	0.0050	0.0066	0.0015	0.3230	0.0164	3.2	0.0273	0.0250	Max	M	0.0250
		Indeno(1,2,3-c,d)pyrene	5	2	40	0.00073	0.1500	0.0050	0.0316	0.0002	0.0317	0.0947	613	0.1640	0.1500	Max	M	0.1500
Indoor Air/Shallow	VOC	Acetone	4	1	25	0.1500	0.1500	0.0220	0.0455	0.0016	0.0035	0.1270	39.1	0.2010	0.1500	Max	M	0.1500
		Tetrachloroethene	8	3	38	0.0002	0.0004	0.0047	0.0012	0.0134	0.0793	0.0019	0.0192	0.0029	0.0024	DL	M	0.0024
Parcel: 7351-034-803; EAPC No. 33																		
Direct-Outdoor Air/Shallow	SVOC	Benzo(a)pyrene	2	2	100	0.0300	0.2600	0	0.1450	0	0	0.8710	0	0.6590	0.2600	Max	M	0.2600
		Benzo(k)fluoranthene	2	2	100	0.0360	0.0590	0	0.0475	0	0	0.1200	0	0.0989	0.0590	Max	M	0.0590
		Dibenzo(a,h)anthracene	2	1	50	0.0130	0.0130	0.0200	0.0115	0	0	0.0210	0	0.0182	0.0130	Max	M	0.0130
Indoor Air/Shallow	VOC	Toluene	1	1	100	0.0034	0.0034	0	0.0034	0	0	0.0034	0	0.0034	0.0034	Max	C	0.0034
		Xylenes (Total)	1	1	100	0.0037	0.0037	0	0.0037	0	0	0.0037	0	0.0037	0.0037	Max	C	0.0037
Parcel: 7351-034-901; EAPC No. 34																		
Direct-Outdoor Air/Surface	Metals	As	11	11	100	5.3	30	0	14.4	0.0024	0.0219	20.1	25.7	28.5	30	Max	C	28.5**
		Cd	11	11	100	6.3	7	0	6.69	0.0312	0.0269	6.84	6.85	7.06	7	Max	M	7
		Mn	11	11	100	360	550	0	438	0.0005	0.0004	488	495	560	550	Max	M	550
		V	11	11	100	37	160	0	72.5	0.00003	0.0001	103	118	148	160	Max	C	148**
	Pesticide	4,4'-DDD	11	6	55	0.0390	2.7	1	0.9290	0.0004	0.0663	1.56	13.8	2.48	2.7	Max	M	2.7
		4,4'-DDE	11	5	45	0.7900	2.2	1	0.8830	0.0074	0.0030	1.37	174	2.08	2.2	Max	C	2.08**
		4,4'-DDT	11	11	100	0.1800	9.1	0	4.74	0.0589	0.0005	6.64	97.7	9.43	9.1	Max	T	6.64**
	SVOC	Benzo(a)anthracene	11	2	18	0.3100	0.3100	0.2000	0.1380	0.000001	0.000001	0.1850	0.1850	0.2530	0.3100	Max	C	0.2530**
Direct-Outdoor Air/Shallow	Metals	As	12	12	100	1.8	30	0	13.4	0.0070	0.1910	18.9	28.5	27.1	30	Max	L	28.5**
		Cd	12	12	100	6.3	8.4	0	6.83	0.0026	0.0060	7.12	7.12	7.56	8.4	Max	C	7.56
		Mn	12	12	100	300	550	0	427	0.0052	0.0071	476	484	549	550	Max	C	549**
		V	12	12	100	37	160	0	71.4	0.0002	0.0006	99.3	109	141	160	Max	C	141**

TABLE 12a
PARCEL-SPECIFIC COPCs and EPCs
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Del Amo Site

Exposure Area, Media and Exposure Pathway of Concern	Analyte Class	Analyte	Data Set						Distribution			Alternate EPCs (mg/kg)						
			Number of Results	Number of Detects	Percent Detect	Detects (mg/kg)		ND (mg/kg)	Shapiro-Wilk P Values			T-based UCL "T"	Land Based UCL "L"	Chebychev UCL "C"	Maximum "M" [(a)]	Maximum Detect or 1/2 DL	Selection Method	EPC Value [(b)]
						Minimum	Maximum	Max DL	Mean	P-Normal	P-Log							
Parcel: 7351-034-901; EAPC No. 34 Cont'd																		
Direct-Outdoor Air/Shallow	Pesticide	4,4'-DDD	12	6	50	0.0390	2.7	1	0.8510	0.0005	0.0541	1.44	361	2.31	2.7	Max	M	2.7
		4,4'-DDE	12	5	42	0.7900	2.2	1	0.8090	0.0054	0.0154	1.27	2380	1.95	2.2	Max	C	1.95**
		4,4'-DDT	12	11	92	0.1800	9.1	0.0010	4.35	0.0401	0.0011	6.2	37900	8.97	9.1	Max	C	8.97**
	SVOC	Benzo(a)anthracene	12	2	17	0.3100	0.3100	0.2000	0.1350	0.00001	0.00001	0.1770	0.1750	0.2400	0.3100	Max	C	0.2400**
Indoor Air/Deep	VOC	Benzene	7	1	14	0.2600	0.2600	0.1300	0.0821	0.00001	0.0001	0.1400	0.1560	0.2150	0.2600	Max	C	0.2150
Parcel: Magellan Dr; EAPC No. 35																		
Direct-Outdoor Air/Shallow	SVOC	Benzo(a)anthracene	13	12	92	0.0006	3.9	0.0050	0.3310	0.000001	0.5730	0.8610	13.7	1.66	3.9	Max	M	3.9
		Benzo(a)pyrene	13	11	85	0.0007	2.6	0.0050	0.2210	0.000001	0.2290	0.5750	3.74	1.11	2.6	Max	M	2.6
		Benzo(b)fluoranthene	13	12	92	0.0007	1.2	0.0050	0.1240	0.000002	0.7930	0.2850	4.2	0.5280	1.2	Max	M	1.2
		Benzo(k)fluoranthene	13	12	92	0.0005	1.4	0.0050	0.1320	0.000001	0.7530	0.3210	3.95	0.6060	1.4	Max	M	1.4
		Chrysene	13	13	100	0.0004	4.6	0	0.4120	0.000001	0.8210	1.04	72.2	1.98	4.6	Max	M	4.6
		Dibenzo(a,h)anthracene	13	9	69	0.0003	0.1500	0.2500	0.0287	0.0001	0.7200	0.0530	0.00221	0.0898	0.1500	Max	L	0.0022
		Indeno(1,2,3-c,d)pyrene	13	10	77	0.0008	0.5200	0.2500	0.0622	0.00001	0.2940	0.1330	1.52	0.2390	0.5200	Max	M	0.5200
	VOC	Benzene	21	4	19	0.0038	6.4	0.2500	0.3490	0	0.0005	0.8750	2.77	1.71	6.4	Max	C	1.71
Indoor Air/Shallow	VOC	Benzene	21	4	19	0.0038	6.4	0.2500	0.3490	0	0.0005	0.8750	2.77	1.71	6.4	Max	C	1.71
		sec-Butylbenzene	13	2	15	0.0470	0.8100	2.7	0.1800	0.00001	0.0003	0.3850	11.6	0.6950	1.35	DL	C	0.6950
		Ethylbenzene	21	6	29	0.0024	170	0.0048	8.83	0	0.00001	22.8	562	45	170	Max	C	45
		Isopropylbenzene	13	1	8	0.0077	0.0077	2.7	0.1240	0.000001	0.0002	0.3070	1.8	0.5840	1.35	DL	C	0.5840
		Naphthalene	13	1	8	0.0140	0.0140	0.0060	0.0033	0.000002	0.00003	0.0049	0.0043	0.0073	0.0140	Max	C	0.0073
		n-Propylbenzene	13	1	8	0.0052	0.0052	2.7	0.1240	0.000001	0.0001	0.3070	1.77	0.5840	1.35	DL	C	0.5840
		Tetrachloroethene	21	3	14	0.0002	0.0019	2.7	0.0765	0	0.0027	0.1870	1.74	0.3630	1.35	DL	C	0.3630
		Toluene	21	2	10	0.0027	34	0.2500	1.63	0	0.000004	4.42	1.72	8.87	34	Max	C	8.87
Indoor Air/Deep	VOC	Benzene	1	1	100	6.1	6.1	0	6.1	0	0	6.1000	0	6.1	6.1	Max	M	6.1
Parcel: Pacific Gateway (N); EAPC No. 36																		
Direct-Outdoor Air/Shallow	Metals	Cd	4	4	100	15	17	0	16.3	0.2720	0.2680	17.4	17.5	18.4	17	Max	M	17
		Mn	4	4	100	370	530	0	448	0.0439	0.0403	553	600	648	530	Max	M	530
	SVOC	Benzo(a)anthracene	3	2	67	0.0310	0.1000	0.2000	0.0770	0	0	0.1440	0	0.1800	0.1000	DL	M	0.1000
		Benzo(a)pyrene	3	2	67	0.0290	0.0950	0.2000	0.0747	0	0	0.1410	0	0.1770	0.1000	DL	M	0.1000
		Benzo(b)fluoranthene	3	2	67	0.0360	0.0900	0.2000	0.0753	0	0	0.1330	0	0.1640	0.1000	DL	M	0.1000
		Benzo(k)fluoranthene	3	2	67	0.0320	0.1200	0.4000	0.1170	0	0	0.2590	0	0.3340	0.2000	DL	M	0.2000
		Dibenzo(a,h)anthracene	3	2	67	0.0050	0.0210	0.4000	0.0753	0	0	0.2580	0	0.3550	0.2000	DL	M	0.2000
		Indeno(1,2,3-c,d)pyrene	3	2	67	0.0160	0.0770	0.4000	0.0977	0	0	0.2560	0	0.3400	0.2000	DL	M	0.2000

TABLE 12a
PARCEL-SPECIFIC COPCs and EPCs
Baseline Risk Assessment
Del Amo Site

Exposure Area, Media and Exposure Pathway of Concern	Analyte Class	Analyte	Data Set						Distribution			Alternate EPCs (mg/kg)						
			Number of Results	Number of Detects	Percent Detect	Detects (mg/kg)		ND (mg/kg)	Shapiro-Wilk P Values			T-based UCL "T"	Land Based UCL "L"	Chebychev UCL "C"	Maximum "M" [a]	Maximum Detect or 1/2 DL	Selection Method	EPC Value [b]
						Minimum	Maximum	Max DL	Mean	P-Normal	P-Log							
Parcel: Pacific Gateway (N); EAPC No. 36 Cont'd																		
Indoor Air/Shallow	VOC	1,2,4-Trimethylbenzene	2	2	100	0.0018	0.0152	0	0.0085	0	0	0.0507	0	0.0383	0.0152	Max	M	0.0152
		1,3,5-Trimethylbenzene	2	1	50	0.0022	0.0022	0.0002	0.0011	0	0	0.0077	0	0.0058	0.0022	Max	M	0.0022
		4-Ethyl Toluene	2	2	100	0.0003	0.0048	0	0.0025	0	0	0.0169	0	0.0127	0.0048	Max	M	0.0048
		Benzene	14	2	14	0.00002	0.0001	0.0050	0.0005	0.000002	0.0002	0.0008	0.0011	0.0012	0.0025	DL	C	0.0012
		Ethylbenzene	14	2	14	0.0002	0.0171	0.0050	0.0027	0.000001	0.00005	0.0047	0.0050	0.0077	0.0171	Max	C	0.0077
		Tetrachloroethene	4	2	50	0.00002	0.00005	0.0050	0.0007	0.0021	0.2250	0.0021	78700	0.0034	0.0025	DL	M	0.0025
		Xylenes (Total)	13	2	15	0.0003	0.0142	0.0100	0.0029	0.00001	0.0004	0.0047	0.0056	0.0073	0.0142	Max	C	0.0073
Parcel: Pacific Gateway (S); EAPC No. 37																		
Direct-Outdoor Air/Shallow	Metals	Cd	2	2	100	9.5	14	0	11.8	0	0	26	0	21.8	14	Max	M	14
		Mn	2	2	100	270	560	0	415	0	0	1330	0	1060	560	Max	M	560
Indoor Air/Shallow	VOC	1,2,4-Trimethylbenzene	3	3	100	0.0009	0.0047	0	0.0029	0	0	0.0061	0	0.0078	0.0047	Max	M	0.0047
		1,3,5-Trimethylbenzene	3	2	67	0.0001	0.0002	0.0004	0.0002	0	0	0.0003	0	0.0003	0.0002	Max	M	0.0002
		Benzene	12	4	33	0.0001	0.0011	0.0050	0.0006	0.0002	0.0586	0.0011	0.0022	0.0018	0.0025	DL	L	0.0022
		Chloroform	12	1	8	0.0002	0.0002	0.0050	0.0005	0.00002	0.0071	0.0010	0.0031	0.0017	0.0025	DL	C	0.0017
		Ethylbenzene	12	7	58	0.0077	0.4770	0.0050	0.0873	0.0001	0.4660	0.1690	11.2	0.2920	0.4770	Max	M	0.4770
		Styrene	12	7	58	0.0041	0.3140	0.0113	0.0498	0.0001	0.0667	0.0979	0.0002	0.1690	0.3140	Max	L	0.0002
		Tetrachloroethene	12	5	42	0.00004	0.0002	0.0050	0.0005	0.00002	0.0116	0.0010	0.0034	0.0017	0.0025	DL	C	0.0017
		Toluene	12	5	42	0.0002	0.0082	0.0050	0.0021	0.0003	0.0968	0.0037	0.0077	0.0059	0.0082	Max	L	0.0077
		Trichloroethene	12	1	8	0.0001	0.0001	0.0050	0.0005	0.00001	0.0019	0.0010	0.0024	0.0017	0.0025	DL	C	0.0017
		Xylenes (Total)	5	3	60	0.0001	0.0021	0.0100	0.0026	0.2060	0.2670	0.0048	3.61	0.0072	0.005	DL	M	0.0050
Indoor Air/Deep	VOC	1,1,2-Trichloroethane	3	1	33	0.0069	0.0069	0.0050	0.0040	0	0	0.0082	0	0.0105	0.0069	Max	M	0.0069
		1,2-Dichloroethane	3	1	33	0.3510	0.3510	0.0050	0.1190	0	0	0.4580	0	0.6380	0.3510	Max	M	0.3510
		Benzene	3	1	33	12.7	12.7	0.0050	4.25	0	0	16.6	0	23.2	12.7	Max	M	12.7
		Chloroform	3	1	33	0.0004	0.0004	0.0050	0.0018	0	0	0.0038	0	0.0049	0.0025	DL	M	0.0025
		Ethylbenzene	3	1	33	8.98	8.98	0.0050	2.99	0	0	11.7	0	16.4	8.98	Max	M	8.98
		Toluene	3	1	33	0.0821	0.0821	0.0050	0.0290	0	0	0.1060	0	0.1480	0.0821	Max	M	0.0821
		Trichloroethene	3	1	33	0.0002	0.0002	0.0050	0.0017	0	0	0.0040	0	0.0052	0.0025	DL	M	0.0025

Notes:

"NDs" = nondetect; "Max DL" = maximum detection limit; " -- " = not applicable

Soil matrix data for volatile organic compounds (VOCs) include data converted from soil vapor results

* The highest EPC value from m,p-xylene, o-xylene, or xylenes (total) was used in the risk calculations

** Although the estimated EPC is based on a UCL, the maximum detected concentration was used in the RME risk calculations as recommended by USEPA for EAPCs with composite samples

[a] Maximum "M" value (maximum detect concentrations or ½ the detection limit, whichever was higher) was used as the EPC to evaluate the hypothetical resident and trench worker scenarios

[b] EPC Value was used as the EPC to evaluate the commercial worker scenario

Shapiro-Wilk P values: If P-normal > 0.05, then data considered normal; but if P-lognormal > 0.05, then data considered lognormal

Maximum Detect or 1/2 DL: "Max" = maximum detected; "DL" = maximum from 1/2 the detection limit since greater than maximum detected

Method: "T" = t-based UCL for a normal distribution; "L" = Land-based UCL for a lognormal distribution; "C" = chebychev UCL for neither distribution; "M" = maximum when less than a UCL value

TABLE 12b
PARCEL-SPECIFIC SOIL-TO-INDOOR AIR EPCs
Baseline Risk Assessment
Del Amo Site

Parcel	Analyte	Reasonable Maximum Exposure (RME)						Central Tendency (CT)				
		Maximum EPCs	Residential IA EPC		UCL EPCs	Commercial IA EPC		Mean EPCs	Residential IA EPC		Commercial IA EPC	
		ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/m^3	mg/m^3
Parcel: 7351-031-018; EAPC No. 1												
Shallow Soil	1,2,4-Trimethylbenzene	4.74	5.8E-03	5.8E-06	4.74	2.5E-03	2.5E-06	4.38	5.3E-03	5.3E-06	2.3E-03	2.3E-06
	1,3,5-Trimethylbenzene	0.665	7.7E-04	7.7E-07	0.665	3.3E-04	3.3E-07	0.418	4.8E-04	4.8E-07	2.1E-04	2.1E-07
	1,4-Dichlorobenzene	2.5	3.0E-03	3.0E-06	2.5	1.3E-03	1.3E-06	1.57	1.9E-03	1.9E-06	7.9E-04	7.9E-07
	Freon 11	2.5	2.1E-01	2.1E-04	2.5	8.8E-02	8.8E-05	1.63	1.3E-01	1.3E-04	5.7E-02	5.7E-05
	Freon 12	0.139	2.6E-02	2.6E-05	0.139	1.1E-02	1.1E-05	0.139	2.6E-02	2.6E-05	1.1E-02	1.1E-05
	Tetrachloroethene	2.5	8.6E-02	8.6E-05	1.0	1.5E-02	1.5E-05	0.268	9.2E-03	9.2E-06	3.9E-03	3.9E-06
	Trichloroethene	2.5	5.2E-02	5.2E-05	1.37	1.2E-02	1.2E-05	0.41	8.6E-03	8.6E-06	3.7E-03	3.7E-06
Parcel: 7351-031-020; EAPC No. 2												
Shallow Soil	Chloroform	2.4	7.1E-02	7.1E-05	2.4	3.0E-02	3.0E-05	1.98	5.9E-02	5.9E-05	2.5E-02	2.5E-05
Parcel: 7351-031-031; EAPC No. 3												
Shallow Soil	1,2,4-Trimethylbenzene	6.0	7.3E-03	7.3E-06	3.54	1.8E-03	1.8E-06	2.59	3.1E-03	3.1E-06	1.3E-03	1.3E-06
	Isopropylbenzene	55	2.0E+01	2.0E-02	18.5	2.9E+00	2.9E-03	5.42	2.0E+00	2.0E-03	8.4E-01	8.4E-04
	Tetrachloroethene	5.0	1.7E-01	1.7E-04	3.34	4.9E-02	4.9E-05	2.51	8.6E-02	8.6E-05	3.7E-02	3.7E-05
	Toluene	5.0	6.7E-02	6.7E-05	2.96	1.7E-02	1.7E-05	2.07	2.8E-02	2.8E-05	1.2E-02	1.2E-05
	m,p-Xylene	7.0	4.7E-02	4.7E-05	3.87	1.1E-02	1.1E-05	2.75	1.8E-02	1.8E-05	7.8E-03	7.8E-06
Parcel: 7351-033-017; EAPC No. 5												
Shallow Soil	1,2,4-Trimethylbenzene	8060	9.8E+00	9.8E-03	3090	1.6E+00	1.6E-03	910	1.1E+00	1.1E-03	4.7E-01	4.7E-04
	2-Hexanone	45000	7.1E+01	7.1E-02	45000	3.0E+01	3.0E-02	3150	5.0E+00	5.0E-03	2.1E+00	2.1E-03
	4-Ethyl Toluene	1300	7.3E+00	7.3E-03	907	2.2E+00	2.2E-03	296	1.7E+00	1.7E-03	7.0E-01	7.0E-04
	Acetone	25000	4.0E+01	4.0E-02	25000	1.7E+01	1.7E-02	2170	3.4E+00	3.4E-03	1.5E+00	1.5E-03
	Benzene	5900	1.7E+02	1.7E-01	781	9.6E+00	9.6E-03	414	1.2E+01	1.2E-02	5.1E+00	5.1E-03
	Carbon disulfide	2500	5.0E+02	5.0E-01	769	6.6E+01	6.6E-02	150	3.0E+01	3.0E-02	1.3E+01	1.3E-02
	Cyclohexane	110000	1.3E+04	1.3E+01	5640	4.0E+02	4.0E-01	1090	1.8E+02	1.8E-01	7.8E+01	7.8E-02
	Ethylbenzene	17000	1.2E+02	1.2E-01	899	2.7E+00	2.7E-03	233	1.7E+00	1.7E-03	7.1E-01	7.1E-04
	Heptane	450	3.7E+02	3.7E-01	450	1.6E+02	1.6E-01	142	1.2E+02	1.2E-01	5.0E+01	5.0E-02
	n-Hexane	70.1	1.6E+02	1.6E-01	66.8	6.4E+01	6.4E-02	27	6.1E+01	6.1E-02	2.6E+01	2.6E-02
	Methyl isobutyl ketone	24000	4.3E+01	4.3E-02	24000	1.8E+01	1.8E-02	2870	5.1E+00	5.1E-03	2.2E+00	2.2E-03
	Tetrachloroethene	1500	5.1E+01	5.1E-02	69.4	1.0E+00	1.0E-03	13.9	4.8E-01	4.8E-04	2.0E-01	2.0E-04
	Toluene	18000	2.4E+02	2.4E-01	935	5.4E+00	5.4E-03	261	3.5E+00	3.5E-03	1.5E+00	1.5E-03
	Trichloroethene	1500	3.1E+01	3.1E-02	69.9	6.2E-01	6.2E-04	13.9	2.9E-01	2.9E-04	1.2E-01	1.2E-04
	m,p-Xylene*	9080	5.1E+01	5.1E-02	644	1.5E+00	1.5E-03	231	1.3E+00	1.3E-03	5.5E-01	5.5E-04
	o-Xylene*	3530	1.9E+01	1.9E-02	3530	8.1E+00	8.1E-03	598	3.2E+00	3.2E-03	1.4E+00	1.4E-03
	Xylenes (Total)*	22000	1.5E+02	1.5E-01	10100	2.9E+01	2.9E-02	1890	1.3E+01	1.3E-02	5.4E+00	5.4E-03
Deep Soil	1,2,4-Trimethylbenzene	3300	1.7E+00	1.7E-03	3300	7.3E-01	7.3E-04	3300	1.7E+00	1.7E-03	7.3E-01	7.3E-04
	Benzene	39000	5.1E+02	5.1E-01	39000	2.2E+02	2.2E-01	9290	1.2E+02	1.2E-01	5.1E+01	5.1E-02
	Ethylbenzene	14000	4.3E+01	4.3E-02	14000	1.8E+01	1.8E-02	2810	8.6E+00	8.6E-03	3.7E+00	3.7E-03
	Naphthalene	3300	9.1E-02	9.1E-05	3300	3.9E-02	3.9E-05	3300	9.1E-02	9.1E-05	3.9E-02	3.9E-05
	Styrene	11000	5.4E+00	5.4E-03	11000	2.3E+00	2.3E-03	11000	5.4E+00	5.4E-03	2.3E+00	2.3E-03
	Toluene	68000	4.0E+02	4.0E-01	68000	1.7E+02	1.7E-01	14000	8.2E+01	8.2E-02	3.5E+01	3.5E-02
	Xylenes (Total)	32000	9.1E+01	9.1E-02	32000	3.9E+01	3.9E-02	6420	1.8E+01	1.8E-02	7.8E+00	7.8E-03

TABLE 12b
PARCEL-SPECIFIC SOIL-TO-INDOOR AIR EPCs
Baseline Risk Assessment
Del Amo Site

Parcel	Analyte	Reasonable Maximum Exposure (RME)						Central Tendency (CT)				
		Maximum EPCs	Residential IA EPC		UCL EPCs	Commercial IA EPC		Mean EPCs	Residential IA EPC		Commercial IA EPC	
		ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/m^3	mg/m^3
Parcel: 7351-033-022; EAPC No. 6												
Shallow Soil	Benzene	29500	8.5E+02	8.5E-01	3290	4.0E+01	4.0E-02	1030	3.0E+01	3.0E-02	1.3E+01	1.3E-02
Deep Soil	Benzene	1900	2.5E+01	2.5E-02	1800	9.9E+00	9.9E-03	657	8.5E+00	8.5E-03	3.6E+00	3.6E-03
	Ethylbenzene	13000	4.0E+01	4.0E-02	8700	1.1E+01	1.1E-02	2180	6.7E+00	6.7E-03	2.9E+00	2.9E-03
	Toluene	11000	6.5E+01	6.5E-02	7400	1.9E+01	1.9E-02	1920	1.1E+01	1.1E-02	4.8E+00	4.8E-03
	Xylenes (Total)	78000	2.2E+02	2.2E-01	52200	6.4E+01	6.4E-02	13000	3.7E+01	3.7E-02	1.6E+01	1.6E-02
Parcel: 7351-033-024; EAPC No. 7												
Shallow Soil	1,2,4-Trimethylbenzene	11000	1.3E+01	1.3E-02	3610	1.9E+00	1.9E-03	730	8.9E-01	8.9E-04	3.8E-01	3.8E-04
	1,3,5-Trimethylbenzene	1500	1.7E+00	1.7E-03	519	2.6E-01	2.6E-04	124	1.4E-01	1.4E-04	6.1E-02	6.1E-05
	Benzene	2700	7.8E+01	7.8E-02	440	5.4E+00	5.4E-03	105	3.0E+00	3.0E-03	1.3E+00	1.3E-03
	Ethylbenzene	55000	3.9E+02	3.9E-01	10600	3.2E+01	3.2E-02	2560	1.8E+01	1.8E-02	7.8E+00	7.8E-03
	Isopropylbenzene	3800	1.4E+03	1.4E+00	1460	2.3E+02	2.3E-01	328	1.2E+02	1.2E-01	5.1E+01	5.1E-02
	p-Isopropyltoluene	6400	2.3E+03	2.3E+00	2370	3.6E+02	3.6E-01	469	1.7E+02	1.7E-01	7.1E+01	7.1E-02
	Naphthalene	15000	9.9E-01	9.9E-04	6280	1.8E-01	1.8E-04	1510	9.9E-02	9.9E-05	4.2E-02	4.2E-05
	n-Propylbenzene	550	2.7E+00	2.7E-03	261	5.5E-01	5.5E-04	76.7	3.8E-01	3.8E-04	1.6E-01	1.6E-04
	Tetrachloroethene	500	1.7E+01	1.7E-02	101	1.5E+00	1.5E-03	29.4	1.0E+00	1.0E-03	4.3E-01	4.3E-04
	Xylenes (Total)	72000	4.8E+02	4.8E-01	32700	9.3E+01	9.3E-02	7950	5.3E+01	5.3E-02	2.3E+01	2.3E-02
Parcel: 7351-033-026; EAPC No. 8												
Shallow Soil	Benzene	890	2.6E+01	2.6E-02	248	3.0E+00	3.0E-03	49.6	1.4E+00	1.4E-03	6.1E-01	6.1E-04
	Chloromethane	0.043	8.7E-03	8.7E-06	0.0432	3.7E-03	3.7E-06	0.0432	8.7E-03	8.7E-06	3.7E-03	3.7E-06
	Freon 12	0.388	7.3E-02	7.3E-05	0.388	3.1E-02	3.1E-05	0.388	7.3E-02	7.3E-05	3.1E-02	3.1E-05
	Xylenes (Total)	380	2.5E+00	2.5E-03	262	7.4E-01	7.4E-04	53.5	3.6E-01	3.6E-04	1.5E-01	1.5E-04
Deep Soil	Benzene	2100	2.7E+01	2.7E-02	883	4.9E+00	4.9E-03	198	2.6E+00	2.6E-03	1.1E+00	1.1E-03
Parcel: 7351-033-027; EAPC No. 9												
Shallow Soil	1,2,4-Trimethylbenzene	2.04	2.5E-03	2.5E-06	2.04	1.1E-03	1.1E-06	2.04	2.5E-03	2.5E-06	1.1E-03	1.1E-06
	Benzene	4000	1.2E+02	1.2E-01	1260	1.5E+01	1.5E-02	334	9.6E+00	9.6E-03	4.1E+00	4.1E-03
	Methyl isobutyl ketone	250	4.4E-01	4.4E-04	250	1.9E-01	1.9E-04	134	2.4E-01	2.4E-04	1.0E-01	1.0E-04
	Xylenes (Total)	25	1.7E-01	1.7E-04	14.9	4.2E-02	4.2E-05	6.82	4.5E-02	4.5E-05	1.9E-02	1.9E-05
Deep Soil	Benzene	20000	2.6E+02	2.6E-01	8320	4.6E+01	4.6E-02	2050	2.7E+01	2.7E-02	1.1E+01	1.1E-02
	Naphthalene	500	1.4E-02	1.4E-05	500	5.9E-03	5.9E-06	171	4.7E-03	4.7E-06	2.0E-03	2.0E-06
Parcel: 7351-033-030; EAPC No. 10												
Shallow Soil	Acetone	81	1.3E-01	1.3E-04	81	5.5E-02	5.5E-05	43.3	6.9E-02	6.9E-05	2.9E-02	2.9E-05
	Methyl tert-butyl ether	33	3.5E-01	3.5E-04	33	1.5E-01	1.5E-04	12.5	1.3E-01	1.3E-04	5.6E-02	5.6E-05
	Naphthalene	7.8	5.1E-04	5.1E-07	7.8	2.2E-04	2.2E-07	4.1	2.7E-04	2.7E-07	1.1E-04	1.1E-07
Parcel: 7351-033-034; EAPC No. 11												
Shallow Soil	Benzene	14200	4.1E+02	4.1E-01	6260	7.7E+01	7.7E-02	1670	4.8E+01	4.8E-02	2.1E+01	2.1E-02
	Tetrachloroethene	5.88	2.0E-01	2.0E-04	5.04	7.4E-02	7.4E-05	1.23	4.2E-02	4.2E-05	1.8E-02	1.8E-05
	Toluene	102	1.4E+00	1.4E-03	42.7	2.5E-01	2.5E-04	10.5	1.4E-01	1.4E-04	6.0E-02	6.0E-05
Parcel: 7351-033-040; EAPC No. 12												
Shallow Soil	Benzene	0.508	1.5E-02	1.5E-05	0.508	6.2E-03	6.2E-06	0.392	1.1E-02	1.1E-05	4.8E-03	4.8E-06
	Xylenes (Total)	2.98	2.0E-02	2.0E-05	2.86	8.1E-03	8.1E-06	2.38	1.6E-02	1.6E-05	6.8E-03	6.8E-06
Parcel: 7351-033-045; EAPC No. 13												
Shallow Soil	1,2,4-Trimethylbenzene	2.32	2.8E-03	2.8E-06	2.32	1.2E-03	1.2E-06	2.32	2.8E-03	2.8E-06	1.2E-03	1.2E-06
	Benzene	0.363	1.0E-02	1.0E-05	0.363	4.5E-03	4.5E-06	0.345	9.9E-03	9.9E-06	4.2E-03	4.2E-06
	Tetrachloroethene	0.0743	2.5E-03	2.5E-06	0.0743	1.1E-03	1.1E-06	0.0743	2.5E-03	2.5E-06	1.1E-03	1.1E-06

TABLE 12b
PARCEL-SPECIFIC SOIL-TO-INDOOR AIR EPCs
Baseline Risk Assessment
Del Amo Site

Parcel	Analyte	Reasonable Maximum Exposure (RME)						Central Tendency (CT)				
		Maximum EPCs	Residential IA EPC		UCL EPCs	Commercial IA EPC		Mean EPCs	Residential IA EPC		Commercial IA EPC	
		ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/m^3	mg/m^3
Parcel: 7351-033-009; EAPC No. 14												
Shallow Soil	1,2,4-Trimethylbenzene	10.4	1.3E-02	1.3E-05	10.4	5.4E-03	5.4E-06	5.85	7.1E-03	7.1E-06	3.0E-03	3.0E-06
	1,3,5-Trimethylbenzene	0.211	2.4E-04	2.4E-07	0.211	1.0E-04	1.0E-07	0.154	1.8E-04	1.8E-07	7.6E-05	7.6E-08
	Acetonitrile	254.5	4.0E-01	4.0E-04	254.5	1.7E-01	1.7E-04	219	3.4E-01	3.4E-04	1.5E-01	1.5E-04
	Benzene	0.435	1.3E-02	1.3E-05	0.435	5.3E-03	5.3E-06	0.336	9.7E-03	9.7E-06	4.1E-03	4.1E-06
	Chloroform	0.0356	1.1E-03	1.1E-06	0.0356	4.5E-04	4.5E-07	0.0244	7.2E-04	7.2E-07	3.1E-04	3.1E-07
	Chloromethane	0.031	6.2E-03	6.2E-06	0.031	2.7E-03	2.7E-06	0.0161	3.2E-03	3.2E-06	1.4E-03	1.4E-06
	Methylene chloride	0.01795	5.6E-04	5.6E-07	0.01795	2.4E-04	2.4E-07	0.0175	5.4E-04	5.4E-07	2.3E-04	2.3E-07
	Tetrachloroethene	0.124	4.2E-03	4.2E-06	0.124	1.8E-03	1.8E-06	0.081	2.8E-03	2.8E-06	1.2E-03	1.2E-06
	Trichloroethene	4.85	1.0E-01	1.0E-04	4.85	4.3E-02	4.3E-05	2.44	5.1E-02	5.1E-05	2.2E-02	2.2E-05
	Xylenes (Total)	3.72	2.5E-02	2.5E-05	2.84	8.1E-03	8.1E-06	1.82	1.2E-02	1.2E-05	5.2E-03	5.2E-06
Parcel: 7351-033-900; EAPC No. 15												
Shallow Soil	Benzene	3500	1.0E+02	1.0E-01	3500	4.3E+01	4.3E-02	2800	8.1E+01	8.1E-02	3.4E+01	3.4E-02
	Ethylbenzene	8.0	5.7E-02	5.7E-05	8.0	2.4E-02	2.4E-05	5.25	3.8E-02	3.8E-05	1.6E-02	1.6E-05
	Naphthalene	8.0	5.3E-04	5.3E-07	8.0	2.2E-04	2.2E-07	8	5.3E-04	5.3E-07	2.2E-04	2.2E-07
	Toluene	4.0	5.4E-02	5.4E-05	4.0	2.3E-02	2.3E-05	3.25	4.4E-02	4.4E-05	1.9E-02	1.9E-05
Deep Soil	Benzene	910000	1.1E+04	1.1E+01	312000	1.7E+03	1.7E+00	90500	1.2E+03	1.2E+00	5.0E+02	5.0E-01
	Toluene	5000	2.9E+01	2.9E-02	1230	3.1E+00	3.1E-03	332	1.9E+00	1.9E-03	8.3E-01	8.3E-04
Parcel: 7351-034-015,-050,-056; EAPC No. 16												
Shallow Soil	1,2,4-Trimethylbenzene	14200	1.7E+01	1.7E-02	2420	1.3E+00	1.3E-03	582	7.1E-01	7.1E-04	3.0E-01	3.0E-04
	1,3,5-Trimethylbenzene	1955	2.3E+00	2.3E-03	335	1.6E-01	1.6E-04	83.9	9.7E-02	9.7E-05	4.1E-02	4.1E-05
	4-Ethyl Toluene	4010	2.2E+01	2.2E-02	2230	5.3E+00	5.3E-03	548	3.1E+00	3.1E-03	1.3E+00	1.3E-03
	Acetone	4000000	6.4E+03	6.4E+00	519000	3.5E+02	3.5E-01	112000	1.8E+02	1.8E-01	7.6E+01	7.6E-02
	Benzene	200000	5.8E+03	5.8E+00	11200	1.4E+02	1.4E-01	2400	6.9E+01	6.9E-02	2.9E+01	2.9E-02
	Chloroform	200000	5.9E+03	5.9E+00	15600	2.0E+02	2.0E-01	3350	9.9E+01	9.9E-02	4.2E+01	4.2E-02
	Ethylbenzene	12000000	2.8E+03	2.8E+00	703000	1.2E+03	1.2E+00	162000	1.2E+03	1.2E+00	4.9E+02	4.9E-01
	Naphthalene	670	4.4E-02	4.4E-05	143	4.0E-03	4.0E-06	28	1.8E-03	1.8E-06	7.9E-04	7.9E-07
	Styrene	15000000	1.7E+03	1.7E+00	786000	3.9E+02	3.9E-01	147000	1.7E+02	1.7E-01	7.2E+01	7.2E-02
	Tetrachloroethene	200000	6.8E+03	6.8E+00	11200	1.6E+02	1.6E-01	2450	8.4E+01	8.4E-02	3.6E+01	3.6E-02
	Toluene	200000	2.7E+03	2.7E+00	11200	6.4E+01	6.4E-02	2440	3.3E+01	3.3E-02	1.4E+01	1.4E-02
	Trichloroethene	200000	4.2E+03	4.2E+00	11300	1.0E+02	1.0E-01	2540	5.3E+01	5.3E-02	2.3E+01	2.3E-02
	Xylenes (Total)	200000	1.3E+03	1.3E+00	32400	9.2E+01	9.2E-02	7870	5.2E+01	5.2E-02	2.2E+01	2.2E-02
Deep Soil	1,1,1-Trichloroethane	50	1.0E+00	1.0E-03	50	4.4E-01	4.4E-04	20.3	4.2E-01	4.2E-04	1.8E-01	1.8E-04
	1,1-Dichloroethene	50	2.7E+00	2.7E-03	50	1.2E+00	1.2E-03	21.2	1.2E+00	1.2E-03	5.0E-01	5.0E-04
	Benzene	12600	1.6E+02	1.6E-01	6900	3.8E+01	3.8E-02	1280	1.7E+01	1.7E-02	7.1E+00	7.1E-03
	Ethylbenzene	1200	3.7E+00	3.7E-03	611	8.0E-01	8.0E-04	132	4.1E-01	4.1E-04	1.7E-01	1.7E-04
	Tetrachloroethene	50	7.3E-01	7.3E-04	50	3.1E-01	3.1E-04	19.7	2.9E-01	2.9E-04	1.2E-01	1.2E-04
	Trichloroethene	50	4.5E-01	4.5E-04	50	1.9E-01	1.9E-04	20.9	1.9E-01	1.9E-04	8.1E-02	8.1E-05

TABLE 12b
PARCEL-SPECIFIC SOIL-TO-INDOOR AIR EPCs
Baseline Risk Assessment
Del Amo Site

Parcel	Analyte	Reasonable Maximum Exposure (RME)						Central Tendency (CT)				
		Maximum EPCs	Residential IA EPC		UCL EPCs	Commercial IA EPC		Mean EPCs	Residential IA EPC		Commercial IA EPC	
		ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/m^3	mg/m^3
Parcel: 7351-034-039; EAPC No. 17												
Shallow Soil	4-Ethyl Toluene	461	2.6E+00	2.6E-03	461	1.1E+00	1.1E-03	461	2.6E+00	2.6E-03	1.1E+00	1.1E-03
	Benzene	2620	7.5E+01	7.5E-02	908	1.1E+01	1.1E-02	176	5.1E+00	5.1E-03	2.2E+00	2.2E-03
	Cyclohexane	32.7	5.5E+00	5.5E-03	11.3	8.1E-01	8.1E-04	2.2	3.7E-01	3.7E-04	1.6E-01	1.6E-04
	Ethylbenzene	21400	1.5E+02	1.5E-01	7400	2.3E+01	2.3E-02	1440	1.0E+01	1.0E-02	4.4E+00	4.4E-03
	Styrene	7970	9.2E+00	9.2E-03	2770	1.4E+00	1.4E-03	550	6.3E-01	6.3E-04	2.7E-01	2.7E-04
	Tetrachloroethene	0.144	4.9E-03	4.9E-06	0.0901	1.3E-03	1.3E-06	0.0671	2.3E-03	2.3E-06	9.8E-04	9.8E-07
	Toluene	1810	2.4E+01	2.4E-02	624	3.6E+00	3.6E-03	121	1.6E+00	1.6E-03	7.0E-01	7.0E-04
	m,p-Xylene*	155	8.7E-01	8.7E-04	57.9	1.4E-01	1.4E-04	12.1	6.8E-02	6.8E-05	2.9E-02	2.9E-05
	Xylenes (Total)*	1600	1.1E+01	1.1E-02	1600	4.5E+00	4.5E-03	1600	1.1E+01	1.1E-02	4.5E+00	4.5E-03
Parcel: 7351-034-041; EAPC No. 18												
Shallow Soil	Benzene	52.2	1.5E+00	1.5E-03	17.2	2.1E-01	2.1E-04	3.57	1.0E-01	1.0E-04	4.4E-02	4.4E-05
	Ethylbenzene	1040	7.4E+00	7.4E-03	339	1.0E+00	1.0E-03	66.2	4.7E-01	4.7E-04	2.0E-01	2.0E-04
	Styrene	385	4.4E-01	4.4E-04	130	6.4E-02	6.4E-05	31.3	3.6E-02	3.6E-05	1.5E-02	1.5E-05
	Tetrachloroethene	1.05	3.6E-02	3.6E-05	0.988	1.4E-02	1.4E-05	0.217	7.4E-03	7.4E-06	3.2E-03	3.2E-06
	Toluene	165	2.2E+00	2.2E-03	53.8	3.1E-01	3.1E-04	10.7	1.4E-01	1.4E-04	6.2E-02	6.2E-05
	m,p-Xylene	6.43	3.6E-02	3.6E-05	6.43	1.5E-02	1.5E-05	2.8	1.6E-02	1.6E-05	6.7E-03	6.7E-06
Parcel: 7351-034-043; EAPC No. 19												
Shallow Soil	1,1,1-Trichloroethane	8.74	4.3E-01	4.3E-04	8.74	1.8E-01	1.8E-04	2.86	1.4E-01	1.4E-04	5.9E-02	5.9E-05
	Freon 11	4.45	3.7E-01	3.7E-04	4.45	1.6E-01	1.6E-04	2.55	2.1E-01	2.1E-04	9.0E-02	9.0E-05
	Tetrachloroethene	35.1	1.2E+00	1.2E-03	35.1	5.1E-01	5.1E-04	8.5	2.9E-01	2.9E-04	1.2E-01	1.2E-04
Parcel: 7351-034-045; EAPC No. 20												
Shallow Soil	Acetone	54.1	8.6E-02	8.6E-05	54.1	3.7E-02	3.7E-05	32.1	5.1E-02	5.1E-05	2.2E-02	2.2E-05
	Freon 11	4.05	3.3E-01	3.3E-04	4.05	1.4E-01	1.4E-04	3.32	2.7E-01	2.7E-04	1.2E-01	1.2E-04
	Tetrachloroethene	16.2	5.5E-01	5.5E-04	16.2	2.4E-01	2.4E-04	5.26	1.8E-01	1.8E-04	7.7E-02	7.7E-05
Parcel: 7351-034-047; EAPC No. 21												
Shallow Soil	Benzene	35.5	1.0E+00	1.0E-03	15.2	1.9E-01	1.9E-04	3.13	9.0E-02	9.0E-05	3.8E-02	3.8E-05
	Ethylbenzene	2060	1.5E+01	1.5E-02	871	2.7E+00	2.7E-03	162	1.2E+00	1.2E-03	4.9E-01	4.9E-04
	Tetrachloroethene	4.645	1.6E-01	1.6E-04	2.91	4.2E-02	4.2E-05	0.657	2.2E-02	2.2E-05	9.6E-03	9.6E-06
	Toluene	1.97	2.7E-02	2.7E-05	1.35	7.8E-03	7.8E-06	0.976	1.3E-02	1.3E-05	5.6E-03	5.6E-06
Parcel: 7351-034-052; EAPC No. 22												
Shallow Soil	1,2,4-Trimethylbenzene	7.11	8.6E-03	8.6E-06	7.11	3.7E-03	3.7E-06	3.74	4.5E-03	4.5E-06	1.9E-03	1.9E-06
	Benzene	2.05	5.9E-02	5.9E-05	2.03	2.5E-02	2.5E-05	0.754	2.2E-02	2.2E-05	9.3E-03	9.3E-06
	Tetrachloroethene	2.05	7.0E-02	7.0E-05	2.05	3.0E-02	3.0E-05	1.42	4.9E-02	4.9E-05	2.1E-02	2.1E-05
	Trichloroethene	24.3	5.1E-01	5.1E-04	24.3	2.2E-01	2.2E-04	7.11	1.5E-01	1.5E-04	6.4E-02	6.4E-05
	Xylenes (Total)	2.05	1.4E-02	1.4E-05	2.05	5.8E-03	5.8E-06	1.85	1.2E-02	1.2E-05	5.2E-03	5.2E-06

TABLE 12b
PARCEL-SPECIFIC SOIL-TO-INDOOR AIR EPCs
Baseline Risk Assessment
Del Amo Site

Parcel	Analyte	Reasonable Maximum Exposure (RME)						Central Tendency (CT)				
		Maximum EPCs	Residential IA EPC		UCL EPCs	Commercial IA EPC		Mean EPCs	Residential IA EPC		Commercial IA EPC	
		ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/m^3	mg/m^3
Parcel: 7351-034-057; EAPC No. 23												
Shallow Soil	1,1,1-Trichloroethane	50000	2.4E+03	2.4E+00	2760	5.7E+01	5.7E-02	595	2.9E+01	2.9E-02	1.2E+01	1.2E-02
	1,2,4-Trimethylbenzene	500	6.1E-01	6.1E-04	397	2.1E-01	2.1E-04	83.7	1.0E-01	1.0E-04	4.3E-02	4.3E-05
	1,3,5-Trimethylbenzene	500	5.8E-01	5.8E-04	500	2.5E-01	2.5E-04	73.3	8.5E-02	8.5E-05	3.6E-02	3.6E-05
	Acetone	1000000	1.6E+03	1.6E+00	1000000	6.8E+02	6.8E-01	103000	1.6E+02	1.6E-01	7.0E+01	7.0E-02
	Benzene	300000	8.6E+03	8.6E+00	13500	1.7E+02	1.7E-01	3020	8.7E+01	8.7E-02	3.7E+01	3.7E-02
	sec-Butylbenzene	1000	8.7E-02	8.7E-05	1000	3.7E-02	3.7E-05	501	4.4E-02	4.4E-05	1.9E-02	1.9E-05
	Chloroform	50000	1.5E+03	1.5E+00	3120	4.0E+01	4.0E-02	671	2.0E+01	2.0E-02	8.5E+00	8.5E-03
	Ethylbenzene	12000000	2.8E+03	2.8E+00	577000	1.2E+03	1.2E+00	133000	9.5E+02	9.5E-01	4.1E+02	4.1E-01
	Styrene	50000	5.8E+01	5.8E-02	2340	1.1E+00	1.1E-03	574	6.6E-01	6.6E-04	2.8E-01	2.8E-04
	Tetrachloroethene	50000	1.7E+03	1.7E+00	2780	4.1E+01	4.1E-02	614	2.1E+01	2.1E-02	9.0E+00	9.0E-03
	Toluene	50000	6.7E+02	6.7E-01	2380	1.4E+01	1.4E-02	590	8.0E+00	8.0E-03	3.4E+00	3.4E-03
	Trichloroethene	50000	1.0E+03	1.0E+00	2760	2.5E+01	2.5E-02	595	1.2E+01	1.2E-02	5.3E+00	5.3E-03
	Xylenes (Total)	150000	1.0E+03	1.0E+00	23800	6.8E+01	6.8E-02	4670	3.1E+01	3.1E-02	1.3E+01	1.3E-02
Deep Soil	1,2-Dichloroethane	266	1.6E+00	1.6E-03	103	2.6E-01	2.6E-04	48	2.9E-01	2.9E-04	1.2E-01	1.2E-04
	Benzene	220000	2.9E+03	2.9E+00	81800	4.5E+02	4.5E-01	34200	4.4E+02	4.4E-01	1.9E+02	1.9E-01
	Chloroform	150	2.1E+00	2.1E-03	44.9	2.6E-01	2.6E-04	18.9	2.6E-01	2.6E-04	1.1E-01	1.1E-04
	Ethylbenzene	9970	3.1E+01	3.1E-02	2390	3.1E+00	3.1E-03	606	1.9E+00	1.9E-03	7.9E-01	7.9E-04
	Styrene	910	4.5E-01	4.5E-04	399	8.4E-02	8.4E-05	204	1.0E-01	1.0E-04	4.3E-02	4.3E-05
	Toluene	3360	2.0E+01	2.0E-02	1100	2.8E+00	2.8E-03	466	2.7E+00	2.7E-03	1.2E+00	1.2E-03
	Trichloroethene	250	2.3E+00	2.3E-03	60.9	2.3E-01	2.3E-04	23.1	2.1E-01	2.1E-04	8.9E-02	8.9E-05
Parcel: 7351-034-058; EAPC No. 24												
Shallow Soil	1,2,4-Trimethylbenzene	4.74	5.8E-03	5.8E-06	3.97	2.1E-03	2.1E-06	2.65	3.2E-03	3.2E-06	1.4E-03	1.4E-06
	1,3,5-Trimethylbenzene	2.5	2.9E-03	2.9E-06	2.5	1.2E-03	1.2E-06	1.08	1.2E-03	1.2E-06	5.3E-04	5.3E-07
	Benzene	5000	1.4E+02	1.4E-01	1190	1.5E+01	1.5E-02	218	6.3E+00	6.3E-03	2.7E+00	2.7E-03
	Ethylbenzene	82000	5.9E+02	5.9E-01	19500	5.9E+01	5.9E-02	3570	2.6E+01	2.6E-02	1.1E+01	1.1E-02
	Tetrachloroethene	5000	1.7E+02	1.7E-01	2280	3.3E+01	3.3E-02	417	1.4E+01	1.4E-02	6.1E+00	6.1E-03
	Trichloroethene	5000	1.0E+02	1.0E-01	2280	2.0E+01	2.0E-02	418	8.8E+00	8.8E-03	3.7E+00	3.7E-03
	Xylenes (Total)	15000	1.0E+02	1.0E-01	4830	1.4E+01	1.4E-02	884	5.9E+00	5.9E-03	2.5E+00	2.5E-03
Deep Soil	Benzene	2500000	1.1E+04	1.1E+01	2500000	4.9E+03	4.9E+00	417000	5.4E+03	5.4E+00	2.3E+03	2.3E+00
	Methylene chloride	10000	1.6E+02	1.6E-01	10000	6.7E+01	6.7E-02	1690	2.6E+01	2.6E-02	1.1E+01	1.1E-02
	Toluene	160000	9.4E+02	9.4E-01	146000	3.7E+02	3.7E-01	26700	1.6E+02	1.6E-01	6.7E+01	6.7E-02
Parcel: 7351-034-066; EAPC No. 25												
Shallow Soil	1,2,4-Trimethylbenzene	0.711	8.6E-04	8.6E-07	0.711	3.7E-04	3.7E-07	0.711	8.6E-04	8.6E-07	3.7E-04	3.7E-07
	Carbon Tetrachloride	0.0649	3.8E-03	3.8E-06	0.0649	1.6E-03	1.6E-06	0.0649	3.8E-03	3.8E-06	1.6E-03	1.6E-06
	Chloroform	0.211	6.3E-03	6.3E-06	0.211	2.7E-03	2.7E-06	0.211	6.3E-03	6.3E-06	2.7E-03	2.7E-06
	Tetrachloroethene	0.0526	1.8E-03	1.8E-06	0.0526	7.7E-04	7.7E-07	0.0526	1.8E-03	1.8E-06	7.7E-04	7.7E-07
Parcel: 7351-034-067; EAPC No. 26												
Shallow Soil	Chloroform	0.343	1.0E-02	1.0E-05	0.228	2.9E-03	2.9E-06	0.149	4.4E-03	4.4E-06	1.9E-03	1.9E-06
	Dichlorobromomethane	0.144	4.6E-04	4.6E-07	0.144	2.0E-04	2.0E-07	0.144	4.6E-04	4.6E-07	2.0E-04	2.0E-07
	Tetrachloroethene	0.000062	2.1E-06	2.1E-09	0.0000619	9.0E-07	9.0E-10	0.0000619	2.1E-06	2.1E-09	9.0E-07	9.0E-10

TABLE 12b
PARCEL-SPECIFIC SOIL-TO-INDOOR AIR EPCs
Baseline Risk Assessment
Del Amo Site

Parcel	Analyte	Reasonable Maximum Exposure (RME)						Central Tendency (CT)				
		Maximum EPCs	Residential IA EPC		UCL EPCs	Commercial IA EPC		Mean EPCs	Residential IA EPC		Commercial IA EPC	
		ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/m^3	mg/m^3
Parcel: 7351-034-069; EAPC No. 28												
Shallow Soil	Benzene	170	4.9E+00	4.9E-03	24.5	3.0E-01	3.0E-04	9.2	2.7E-01	2.7E-04	1.1E-01	1.1E-04
	n-Butylbenzene	27000	4.0E+01	4.0E-02	4110	5.1E+00	5.1E-03	762	2.2E+00	2.2E-03	9.5E-01	9.5E-04
	sec-Butylbenzene	51000	2.0E+00	2.0E-03	7170	2.7E-01	2.7E-04	1320	1.1E-01	1.1E-04	4.9E-02	4.9E-05
	Cyclohexane	700	1.2E+02	1.2E-01	53.6	3.8E+00	3.8E-03	13.6	2.3E+00	2.3E-03	9.7E-01	9.7E-04
	Ethylbenzene	2450	1.8E+01	1.8E-02	324	9.9E-01	9.9E-04	111	7.9E-01	7.9E-04	3.4E-01	3.4E-04
	Isopropylbenzene	1300	4.7E+02	4.7E-01	186	2.9E+01	2.9E-02	37.2	1.3E+01	1.3E-02	5.7E+00	5.7E-03
	Naphthalene	690	4.5E-02	4.5E-05	104	2.9E-03	2.9E-06	23.9	1.6E-03	1.6E-06	6.7E-04	6.7E-07
	Styrene	5620	6.5E+00	6.5E-03	401	2.0E-01	2.0E-04	105	1.2E-01	1.2E-04	5.2E-02	5.2E-05
	Tetrachloroethene	227	7.8E+00	7.8E-03	25.8	3.8E-01	3.8E-04	8.49	2.9E-01	2.9E-04	1.2E-01	1.2E-04
	Toluene	452	6.1E+00	6.1E-03	52.4	3.0E-01	3.0E-04	17.9	2.4E-01	2.4E-04	1.0E-01	1.0E-04
	m,p-Xylene*	1100	6.1E+00	6.1E-03	118	2.8E-01	2.8E-04	29.9	1.7E-01	1.7E-04	7.1E-02	7.1E-05
	Xylenes (Total)*	130	8.7E-01	8.7E-04	35.5	1.0E-01	1.0E-04	11.4	7.6E-02	7.6E-05	3.2E-02	3.2E-05
Parcel: 7351-034-070; EAPC No. 29												
Deep Soil	Benzene	930	1.2E+01	1.2E-02	738	4.1E+00	4.1E-03	176	2.3E+00	2.3E-03	9.7E-01	9.7E-04
Parcel: 7351-034-072; EAPC No. 30												
Shallow Soil	Tetrachloroethene	2.5	8.6E-02	8.6E-05	1.46	2.1E-02	2.1E-05	0.388	1.3E-02	1.3E-05	5.7E-03	5.7E-06
Parcel: 7351-034-073; EAPC No. 31												
Shallow Soil	Benzene	8.19	2.4E-01	2.4E-04	8.19	1.0E-01	1.0E-04	2.97	8.6E-02	8.6E-05	3.6E-02	3.6E-05
	Ethylbenzene	22.3	1.6E-01	1.6E-04	22.3	6.8E-02	6.8E-05	8.49	6.1E-02	6.1E-05	2.6E-02	2.6E-05
	Styrene	122	1.4E-01	1.4E-04	122	6.0E-02	6.0E-05	47	5.4E-02	5.4E-05	2.3E-02	2.3E-05
	Toluene	7.51	1.0E-01	1.0E-04	7.51	4.3E-02	4.3E-05	3.1	4.2E-02	4.2E-05	1.8E-02	1.8E-05
	Xylenes (Total)	8.57	5.7E-02	5.7E-05	8.57	2.4E-02	2.4E-05	4.1	2.7E-02	2.7E-05	1.2E-02	1.2E-05
Parcel: 7351-034-076; EAPC No. 32												
Shallow Soil	Acetone	150	2.4E-01	2.4E-04	150	1.0E-01	1.0E-04	45.5	7.2E-02	7.2E-05	3.1E-02	3.1E-05
	Tetrachloroethene	2.35	8.0E-02	8.0E-05	2.35	3.4E-02	3.4E-05	1.21	4.1E-02	4.1E-05	1.8E-02	1.8E-05
Parcel: 7351-034-803; EAPC No. 33												
Shallow Soil	Toluene	3.4	4.6E-02	4.6E-05	3.4	2.0E-02	2.0E-05	3.4	4.6E-02	4.6E-05	2.0E-02	2.0E-05
	Xylenes (Total)	3.7	2.5E-02	2.5E-05	3.7	1.0E-02	1.0E-05	3.7	2.5E-02	2.5E-05	1.0E-02	1.0E-05
Parcel: 7351-034-901; EAPC No. 34												
Deep Soil	Benzene	260	3.4E+00	3.4E-03	215	1.2E+00	1.2E-03	82.1	1.1E+00	1.1E-03	4.5E-01	4.5E-04
Parcel: Magellan Dr; EAPC No. 35												
Shallow Soil	Benzene	6400	1.8E+02	1.8E-01	1710	2.1E+01	2.1E-02	349	1.0E+01	1.0E-02	4.3E+00	4.3E-03
	sec-Butylbenzene	1350	1.2E-01	1.2E-04	695	2.6E-02	2.6E-05	180	1.6E-02	1.6E-05	6.7E-03	6.7E-06
	Ethylbenzene	170000	1.2E+03	1.2E+00	45000	1.4E+02	1.4E-01	8830	6.3E+01	6.3E-02	2.7E+01	2.7E-02
	Isopropylbenzene	1350	4.9E+02	4.9E-01	584	9.0E+01	9.0E-02	124	4.5E+01	4.5E-02	1.9E+01	1.9E-02
	Naphthalene	14	9.2E-04	9.2E-07	7.33	2.1E-04	2.1E-07	3.32	2.2E-04	2.2E-07	9.3E-05	9.3E-08
	n-Propylbenzene	1350	6.6E+00	6.6E-03	584	1.2E+00	1.2E-03	124	6.1E-01	6.1E-04	2.6E-01	2.6E-04
	Tetrachloroethene	1350	4.6E+01	4.6E-02	363	5.3E+00	5.3E-03	76.5	2.6E+00	2.6E-03	1.1E+00	1.1E-03
	Toluene	34000	4.6E+02	4.6E-01	8870	5.1E+01	5.1E-02	1630	2.2E+01	2.2E-02	9.4E+00	9.4E-03
Deep Soil	Benzene	6100	7.9E+01	7.9E-02	6100	3.4E+01	3.4E-02	6100	7.9E+01	7.9E-02	3.4E+01	3.4E-02

TABLE 12b
PARCEL-SPECIFIC SOIL-TO-INDOOR AIR EPCs
Baseline Risk Assessment
Del Amo Site

Parcel	Analyte	Reasonable Maximum Exposure (RME)						Central Tendency (CT)				
		Maximum EPCs	Residential IA EPC		UCL EPCs	Commercial IA EPC		Mean EPCs	Residential IA EPC		Commercial IA EPC	
		ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/kg	ug/m^3	mg/m^3	ug/m^3	mg/m^3
Parcel: Pacific Gateway (N); EAPC No. 36												
Shallow Soil	1,2,4-Trimethylbenzene	15.2	1.8E-02	1.8E-05	15.2	7.9E-03	7.9E-06	8.48	1.0E-02	1.0E-05	4.4E-03	4.4E-06
	1,3,5-Trimethylbenzene	2.19	2.5E-03	2.5E-06	2.19	1.1E-03	1.1E-06	1.14	1.3E-03	1.3E-06	5.6E-04	5.6E-07
	4-Ethyl Toluene	4.81	2.7E-02	2.7E-05	4.81	1.1E-02	1.1E-05	2.54	1.4E-02	1.4E-05	6.0E-03	6.0E-06
	Benzene	2.5	7.2E-02	7.2E-05	1.18	1.4E-02	1.4E-05	0.47	1.4E-02	1.4E-05	5.8E-03	5.8E-06
	Ethylbenzene	17.1	1.2E-01	1.2E-04	7.67	2.3E-02	2.3E-05	2.68	1.9E-02	1.9E-05	8.2E-03	8.2E-06
	Tetrachloroethene	2.5	8.6E-02	8.6E-05	2.5	3.6E-02	3.6E-05	0.657	2.2E-02	2.2E-05	9.6E-03	9.6E-06
	Xylenes (Total)	14.2	9.5E-02	9.5E-05	7.29	2.1E-02	2.1E-05	2.93	1.9E-02	1.9E-05	8.3E-03	8.3E-06
Parcel: Pacific Gateway (S); EAPC No. 37												
Shallow Soil	1,2,4-Trimethylbenzene	4.74	5.8E-03	5.8E-06	4.74	2.5E-03	2.5E-06	2.86	3.5E-03	3.5E-06	1.5E-03	1.5E-06
	1,3,5-Trimethylbenzene	0.242	2.8E-04	2.8E-07	0.242	1.2E-04	1.2E-07	0.195	2.3E-04	2.3E-07	9.6E-05	9.6E-08
	Benzene	2.5	7.2E-02	7.2E-05	2.2	2.7E-02	2.7E-05	0.636	1.8E-02	1.8E-05	7.8E-03	7.8E-06
	Chloroform	2.5	7.4E-02	7.4E-05	1.69	2.1E-02	2.1E-05	0.463	1.4E-02	1.4E-05	5.9E-03	5.9E-06
	Ethylbenzene	477	3.4E+00	3.4E-03	477	1.5E+00	1.5E-03	87.3	6.2E-01	6.2E-04	2.7E-01	2.7E-04
	Styrene	314	3.6E-01	3.6E-04	0.227	1.1E-04	1.1E-07	49.8	5.7E-02	5.7E-05	2.4E-02	2.4E-05
	Tetrachloroethene	2.5	8.6E-02	8.6E-05	1.7	2.5E-02	2.5E-05	0.473	1.6E-02	1.6E-05	6.9E-03	6.9E-06
	Toluene	8.22	1.1E-01	1.1E-04	7.72	4.4E-02	4.4E-05	2.12	2.9E-02	2.9E-05	1.2E-02	1.2E-05
	Trichloroethene	2.5	5.2E-02	5.2E-05	1.69	1.5E-02	1.5E-05	0.467	9.8E-03	9.8E-06	4.2E-03	4.2E-06
	Xylenes (Total)	5	3.3E-02	3.3E-05	5.0	1.4E-02	1.4E-05	2.58	1.7E-02	1.7E-05	7.3E-03	7.3E-06
Deep Soil	1,1,2-Trichloroethane	6.86	1.5E-02	1.5E-05	6.86	6.3E-03	6.3E-06	3.95	8.6E-03	8.6E-06	3.7E-03	3.7E-06
	1,2-Dichloroethane	351	2.1E+00	2.1E-03	351	9.0E-01	9.0E-04	119	7.1E-01	7.1E-04	3.0E-01	3.0E-04
	Benzene	12700	1.6E+02	1.6E-01	12700	7.0E+01	7.0E-02	4250	5.5E+01	5.5E-02	2.3E+01	2.3E-02
	Chloroform	2.5	3.4E-02	3.4E-05	2.5	1.5E-02	1.5E-05	1.82	2.5E-02	2.5E-05	1.1E-02	1.1E-05
	Ethylbenzene	8980	2.8E+01	2.8E-02	8980	1.2E+01	1.2E-02	2990	9.2E+00	9.2E-03	3.9E+00	3.9E-03
	Toluene	82.1	4.8E-01	4.8E-04	82.1	2.1E-01	2.1E-04	29	1.7E-01	1.7E-04	7.3E-02	7.3E-05
	Trichloroethene	2.5	2.3E-02	2.3E-05	2.5	9.6E-03	9.6E-06	1.73	1.6E-02	1.6E-05	6.7E-03	6.7E-06

Notes:

IA EPC: Indoor Air Exposure Point Concentration estimated using the Tier 1 J&E vapor model

* The highest EPC value from m,p-xylene, o-xylene, or xylenes (total) was used in the risk calculations

For the RME scenario, maximum concentrations are used for a resident, and the UCL approach is used for a commercial worker.

TABLE 12c
GROUNDWATER-TO-INDOOR AIR EPCs
Baseline Risk Assessment
Del Amo Site

VOCs	CAS Number	Location of Maximum Detection			Maximum Detection (ug/L)	Commercial IA EPC (mg/m^3)	Residential IA EPC (mg/m^3)
		Parcel	Site ID	Sample ID			
1,1,1-Trichloroethane	71556	7351-034-068	SWL0016	GWS01401	3.2	1.5E-05	3.6E-05
1,1-Dichloroethane	75343	7351-034-066	XP-02	GWS02006	0.37	5.7E-07	1.3E-06
1,1-Dichloroethene	75354	7351-034-068	SWL0016	GWS01401	140	1.2E-03	2.9E-03
1,2,4-Trimethylbenzene	95636	7351-034-901	XMW-13	GWS01998	1200	1.4E-03	3.3E-03
1,2-Dichlorobenzene	95501	7351-033-023	CWL0019	GWS00086	1.4	5.8E-07	1.4E-06
1,2-Dichloroethane	107062	7351-031-800	SWL0039	GWS01423	0.83	3.1E-07	7.3E-07
1,2-Dichloroethene (cis)	156592	7351-033-022	XMW-04HD	GWS01995	3400	3.7E-03	8.8E-03
1,2-Dichloroethene (trans)	156605	7351-034-056	PZL0016	GWS01969	15	3.7E-05	8.7E-05
1,2-Dichloropropane	78875	7351-031-800	SWL0039	GWS01423	5.8	4.5E-06	1.1E-05
1,3,5-Trimethylbenzene	108678	7351-034-901	XMW-13	GWS01998	210	2.3E-04	5.4E-04
1,4-Dichlorobenzene	106467	7351-033-023	CWL0019	GWS00086	1.3	6.9E-07	1.6E-06
Acetone	67641	7351-031-007	SWL0007	GWS01979	8.2	2.4E-07	5.6E-07
Benzene	71432	7351-033-022	XMW-01HD	GWS00366	860000	1.5E+00	3.5E+00
sec-Butylbenzene	135988	PACIFIC GATEWAY	XMW-21	GWS02000	620	3.9E-05	9.1E-05
tert-Butylbenzene	98066	7351-034-901	PZL0018	GWS01970	0.31	7.0E-07	1.6E-06
Chlorobenzene	108907	7351-034-901	XMW-13	GWS01998	7100	6.5E-03	1.5E-02
Chloroform	67663	7351-034-901	XMW-13	GWS01998	330	4.6E-04	1.1E-03
Cyclohexane	110827	7351-033-030	PZL0012	GWS01628	13	3.5E-04	8.1E-04
Dichlorobromomethane	75274	7351-033-022	XMW-03HD	GWS01994	27	5.0E-06	1.2E-05
Ethylbenzene	100414	FRANCISCO ST	CWL0012	GWS00004	26000	5.0E-02	1.2E-01
Freon 11	75694	7351-031-800	SWL0039	GWS01423	21	6.8E-04	1.6E-03
Isopropylbenzene	98828	PACIFIC GATEWAY	XMW-21	GWS02000	220	4.9E-02	1.1E-01
Methyl Ethyl Ketone	78933	7351-033-017	PZL0026	GWS01976	490	1.3E-05	3.0E-05
Naphthalene	91203	7351-034-901	PZL0023	GWS00943	1400	1.3E-04	3.2E-04
n-Propylbenzene	103651	PACIFIC GATEWAY	XMW-21	GWS02000	190	3.8E-04	9.0E-04
Styrene	100425	7351-033-017	CWL0051	GWS01734	17000	1.1E-02	2.6E-02
Tetrachloroethene	127184	7351-034-056	PZL0016	GWS01969	2100	9.3E-03	2.2E-02
Toluene	108883	7351-033-017	CWL0051	GWS01734	75000	1.5E-01	3.5E-01
Trichloroethene	79016	7351-034-056	PZL0016	GWS01969	2000	5.7E-03	1.3E-02
Xylenes (Total)	1330207	7351-033-017	CWL0051	GWS01734	22000	4.2E-02	9.9E-02

Notes:

IA EPC: Indoor Air Exposure Point Concentration predicted using the maximum groundwater detection as input into the J&E model

TABLE 13
EXPOSURE PARAMETER VALUES
COMMERCIAL WORKER
Baseline Risk Assessment
Del Amo Site

Scenario Timeframe: Current and Future

Medium: Soil

Exposure Medium: Soil (0-1' or 0-15' bgs)

Exposure Point: Surface and Shallow Soil

Receptor Population: Commercial Worker

Receptor Age: Adults

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/ Reference	CT Value	CT Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Csoil	Chemical Concentration in Soil	mg/kg	See Table 12	See Table 12	See Table 12	See Table 12	Chronic Daily Intake (CDI) (mg/kg/day) =
	IngR	Ingestion Rate of Soil	mg/day	100	USEPA 1991	50	USEPA 1991	
	EF	Exposure Frequency	days/year	250	USEPA 1991	234	USEPA 1993	For evaluating noncarcinogens:
	ED	Exposure Duration	years	25	USEPA 1991	6.6	USEPA 1997	= Csoil x IngR x EF x ED x CF x 1/BW x 1/AT-N
	CF	Conversion Factor	kg/mg	1.0E-06	na	1.0E-06	na	
	BW	Body Weight	kilograms	70	USEPA 1989	70	USEPA 1989	For evaluating carcinogens:
	AT-C	Averaging Time (Cancer)	days	25,550	USEPA 1989	25,550	USEPA 1989	= Csoil x IngR x EF x ED x CF x 1/BW x 1/AT-C
	AT-N	Averaging Time (Noncancer)	days	ED x 365	USEPA 1989	ED x 365	USEPA 1989	
Dermal	Csoil	Chemical Concentration in Soil	mg/kg	See Table 12	See Table 12	See Table 12	See Table 12	CDI (mg/kg-day) =
Contact	SA	Surface Area Available for Contact	cm^2/day	3,300	USEPA 2004	3,300	USEPA 2004	
	EF	Exposure Frequency	days/year	250	USEPA 1991	234/100 dermal	USEPA 1991/CalEPA 199	For evaluating noncarcinogens:
	ED	Exposure Duration	years	25	USEPA 1991	6.6	USEPA 1997	= Csoil x SA x EF x ED x AF x AbsD x CF x 1/BW x 1/AT-N
	AF	Adherence Factor	mg/cm^2	0.2	USEPA 2004	0.02	USEPA 2004	
	AbsD	Dermal Absorption	unitless	chemical-specific	USEPA 2004	chemical-specific	USEPA 2004	For evaluating carcinogens:
	CF	Conversion Factor	kg/mg	1.0E-06	na	1.0E-06	na	= Csoil x SA x EF x ED x AF x AbsD x CF x 1/BW x 1/AT-C
	BW	Body Weight	kilograms	70	USEPA 1989	70	USEPA 1989	
	AT-C	Averaging Time (Cancer)	days	25,550	USEPA 1989	25,550	USEPA 1989	
	AT-N	Averaging Time (Noncancer)	days	ED x 365	USEPA 1989	ED x 365	USEPA 1989	

TABLE 13
EXPOSURE PARAMETER VALUES
COMMERCIAL WORKER
Baseline Risk Assessment
Del Amo Site

Scenario Timeframe: Current and Future

Medium: Soil

Exposure Medium: Soil (0-1' or 0-15' bgs)

Exposure Point: Surface and Shallow Soil

Receptor Population: Commercial Worker

Receptor Age: Adults

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/ Reference	CT Value	CT Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Csoil	Chemical Concentration in Soil	mg/kg	See Table 12	See Table 12	See Table 12	See Table 12	CDI (mg/kg-day) =
(Outdoor and	Cair	Chemical Concentration in Workplace Air	mg/m^3	See Table 6	See Table 6	See Table 6	See Table 6	
Indoor Air)	InhR	Inhalation Rate	m^3/day	15	OSWER 1991	10.8[a]	USEPA 1997	For evaluating noncarcinogens:
	EF	Exposure Frequency	days/year	250	USEPA 1991	234	USEPA 1993	Outdoor = Csoil x InhR x EF x ED x (1/PEF or VF) x 1/BW x 1/AT-N
	ED	Exposure Duration	years	25	USEPA 1991	6.6	USEPA 1997	Indoor = Cair x InhR x EF x ED x 1/BW x 1/AT-N
	PEF	Particulate Emission Factor	m^3/kg	chemical-specific	USEPA 2002	chemical-specific	USEPA 2002	
	VF	Volatilization Factor	m^3/kg	chemical-specific	USEPA 2002	chemical-specific	USEPA 2002	For evaluating carcinogens:
	BW	Body Weight	kilograms	70	USEPA 1989	70	USEPA 1989	Outdoor = Csoil x InhR x EF x ED x (1/PEF or VF) x 1/BW x 1/AT-C
	AT-C	Averaging Time (Cancer)	days	25,550	USEPA 1989	25,550	USEPA 1989	Indoor = Cair x InhR x EF x ED x 1/BW x 1/AT-C
	AT-N	Averaging Time (Noncancer)	days	ED x 365	USEPA 1989	ED x 365	USEPA 1989	

NOTES: na: not applicable; -- not available

a) Value is the average inhalation rate for adult males and females performing a mixture of light and moderate activities during an 8-hour workday (see Table 5-16 in USEPA, 1997).

Sources: CalEPA 1999. Preliminary Endangerment Assessment Guidance Manual. State of California Department of Toxic Substances Control. January 1994, Second Printing June 1999.

USEPA 1989. Risk Assessment Guidance for Superfund. Volume I: Human Health Evaluation Manual, Part A. OERR. EPA/540/1-89/002.

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USEPA 1993. Superfund's Standard Default Exposure Factors for the Central Tendency and Reasonable Maximum Exposure. Preliminary Review Draft. May 5.

USEPA 1997. Exposure Factors Handbook. Volumes I-III. An update to Exposure Factors Handbook EPA/600/8-89/043-May 1989. EPA/600/P-95-002Fa. August.

USEPA 2002. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Office of Solid Waste and Emergency Response. OSWER 9355.4-24

USEPA 2004. Risk Assessment Guidance for Superfund. Volume I: Human Health Evaluation Manual - Supplemental Guidance for Dermal Risk Assessment. EPA/540/R-99/005.

TABLE 14
EXPOSURE PARAMETER VALUES
HYPOTHETICAL RESIDENT
Baseline Risk Assessment
Del Amo Site

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Shallow Soil (0-15' bgs)
Exposure Point: Shallow Soil as Surface Soil
Receptor Population: Hypothetical Residents
Receptor Age: Adults and Children

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/ Reference	CT Value	CT Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Csoil	Chemical Concentration in Soil	mg/kg	See Table 12	See Table 12	See Table 12	See Table 12	Chronic Daily Intake (CDI) (mg/kg/day) =
	IngRa	Ingestion Rate of Soil (adult)	mg/day	100	USEPA 1991	50	USEPA 1993	
	IngRc	Ingestion Rate of Soil (child)	mg/day	200	USEPA 1991	100	USEPA 1993	For evaluating noncarcinogens (child only):
	EF	Exposure Frequency	days/year	350	USEPA 1991	350	USEPA 1991	= Csoil x IngRc x EF x EDc x CF x 1/BWc x 1/AT-N
	EDa	Exposure Duration (adult)	years	24	USEPA 1991	7	USEPA 1993	
	EDc	Exposure Duration (child)	years	6	USEPA 1991	2	USEPA 1993	For evaluating carcinogens (combined adult and child):
	CF	Conversion Factor	kg/mg	1.0E-06	na	1.0E-06	na	IngFadj =
	BWa	Body Weight (adult)	kilograms	70	USEPA 1989	70	USEPA 1989	= (EDc x IngRc / BWc) + (EDa x IngRa / BWa)
	BWc	Body Weight (child)	kilograms	15	USEPA 1991	15	USEPA 1991	Therefore,
	AT-C	Averaging Time (Cancer)	days	25,550	USEPA 1989	25,550	USEPA 1989	CDIadj = Csoil x EF x CF x IngFadj x 1/AT-C
	AT-N	Averaging Time (Noncancer)	days	ED x 365	USEPA 1989	ED x 365	USEPA 1989	
Dermal Contact	Csoil	Chemical Concentration in Soil	mg/kg	See Table 12	See Table 12	See Table 12	See Table 12	CDI (mg/kg-day) =
	SAa	Surface Area Available for Contact (adult)	cm^2	5,700	USEPA 2004	5,000	USEPA 1997	
	SAc	Surface Area Available for Contact (child)	cm^2	2,800	USEPA 2004	2,000	USEPA 1992	For evaluating noncarcinogens (child only):
	EFa	Exposure Frequency (adult)	days/year	350	USEPA 1991	350/100 dermal	USEPA 1991/CalEPA 1999	= Csoil x SAc x EFc x EDc x AFc x AbsD x CF x 1/BWc x 1/AT-N
	EFc	Exposure Frequency (child)	days/year	350	USEPA 1991	350	USEPA 1991	
	EDa	Exposure Duration (adult)	years	24	USEPA 1991	7	USEPA 1993	
	EDc	Exposure Duration (child)	years	6	USEPA 1991	2	USEPA 1993	For evaluating carcinogens (combined adult and child):
	AFa	Adherence Factor (adult)	mg/cm^2	0.07	USEPA 2004	0.01	USEPA 2004	SFSadj =
	AFc	Adherence Factor (child)	mg/cm^2	0.2	USEPA 2004	0.04	USEPA 2004	= [(EFc x EDc x SAc x AFc) / BWc] + [(EFa x EDa x SAa x AFa) / BWa]
	AbsD	Dermal Absorption	unitless	chem-specific	USEPA 2004	chem-specific	USEPA 2004	Therefore,
	CF	Conversion Factor	kg/mg	1.0E-06	na	1.0E-06	na	CDIadj = Csoil x CF x AbsD x SFSadj x 1/AT-C
	BWa	Body Weight (adult)	kilograms	70	USEPA 1989	70	USEPA 1989	
	BWc	Body Weight (child)	kilograms	15	USEPA 1991	15	USEPA 1991	
	AT-C	Averaging Time (Cancer)	days	25,550	USEPA 1989	25,550	USEPA 1989	
	AT-N	Averaging Time (Noncancer)	days	ED x 365	USEPA 1989	ED x 365	USEPA 1989	

TABLE 14
EXPOSURE PARAMETER VALUES
HYPOTHETICAL RESIDENT
Baseline Risk Assessment
Del Amo Site

Scenario Timeframe: Future
Medium: Soil
Exposure Medium: Shallow Soil (0-15' bgs)
Exposure Point: Shallow Soil as Surface Soil
Receptor Population: Hypothetical Residents
Receptor Age: Adults and Children

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/ Reference	CT Value	CT Rationale/ Reference	Intake Equation/ Model Name
Inhalation	Csoil	Chemical Concentration in Soil	mg/kg	See Table 12	See Table 12	See Table 12	See Table 12	CDI (mg/kg-day) =
(Indoor and Outdoor)	InhRa	Inhalation Rate (adult)	m^3/day	20	USEPA 1991	13.25[a]	USEPA 1997	
	InhRc	Inhalation Rate (child)	m^3/day	10[b]	USEPA 1997	7.4[c]	USEPA 1997	For evaluating noncarcinogens (child only):
	EF	Exposure Frequency	days/year	350	USEPA 1991	350	USEPA 1991	Outdoor = Csoil x InhR x EF x ED x (1/PEF or VF) x 1/BW x 1/AT-N
	EDa	Exposure Duration (adult)	years	24	USEPA 1991	7	USEPA 1993	Indoor = Cair x InhR x EF x ED x 1/BW x 1/AT-N
	EDc	Exposure Duration (child)	years	6	USEPA 1991	2	USEPA 1993	
	PEF	Particulate Emission Factor	m^3/kg	chemical-specific	USEPA 2002	chemical-specific	USEPA 2002	For evaluating carcinogens (combined adult and child):
	VF	Volatilization Factor	m^3/kg	chemical-specific	USEPA 2002	chemical-specific	USEPA 2002	Outdoor = Csoil x EF x InhFadj x (1/PEF or VF) x 1/AT-C
	BWa	Body Weight (adult)	kilograms	70	USEPA 1989	70	USEPA 1989	Indoor = Cair x EF x InhFadj x 1/AT-C
	BWc	Body Weight (child)	kilograms	15	USEPA 1991	15	USEPA 1991	Where:
	AT-C	Averaging Time (Cancer)	days	25,550	USEPA 1989	25,550	USEPA 1989	InhFadj = (EDc x InhRc / BWc) + (EDa x InhRa / BWa)
	AT-N	Averaging Time (Noncancer)	days	ED x 365	USEPA 1989	ED x 365	USEPA 1989	

NOTES: na: not applicable; -- not available

a) Value is the average of the mean inhalation rates for adult males and females 19-65+ years old (15.2 m^3/day and 11.3 m^3/day, respectively).

b) Inhalation rate based on long term exposure for 6-8 year olds (Table 5-23 in EPA 1997).

c) Inhalation rate based on the average of long term exposures for children less than 8 years old (Table 5-23 in EPA 1997).

Sources: CalEPA 1999. Preliminary Endangerment Assessment Guidance Manual. State of California Department of Toxic Substances Control. January 1994, Second Printing June 1999.

USEPA 1989. Risk Assessment Guidance for Superfund. Volume I: Human Health Evaluation Manual, Part A. OERR. EPA/540/1-89/002.

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USEPA 1992. Dermal Exposure Assessment: Principles and Applications. EPA/600/8-91-011B.

USEPA 1993. Superfund's Standard Default Exposure Factors For The Central Tendency and Reasonable Maximum Exposure. Preliminary Review Draft. May 5.

USEPA 1997. Exposure Factors Handbook. Volumes I-III. An update to Exposure Factors Handbook EPA/600/8-89/043-May 1989. EPA/600/P-95-002Fa. August.

USEPA 2002. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Office of Solid Waste and Emergency Response. OSWER 9355.4-24

USEPA 2004. Risk Assessment Guidance for Superfund. Volume I: Human Health Evaluation Manual - Supplemental Guidance for Dermal Risk Assessment. EPA/540/R-99/005.

TABLE 15
EXPOSURE PARAMETER VALUES
TRENCH WORKER
Baseline Risk Assessment
Del Amo Site

Scenario Timeframe: Current or Future
Medium: Soil
Exposure Medium: Shallow Soil (0-15' bgs)
Exposure Point: Surface and Shallow Soil
Receptor Population: Trench Workers
Receptor Age: Adults

Exposure Route	Parameter Code	Parameter Definition	Units	RME Value	RME Rationale/ Reference	Intake Equation/ Model Name
Ingestion	Csoil	Chemical Concentration in Soil	mg/kg	See Table 12	See Table 12	Chronic Daily Intake (CDI) (mg/kg/day) =
	IR-soil	Ingestion Rate of Soil	mg/day	330	USEPA 2002	
	EF	Exposure Frequency	days/year	20	prof judgment	For evaluating noncarcinogens:
	ED	Exposure Duration	years	1	prof judgment	= Csoil x IngR x EF x ED x CF x 1/BW x 1/AT-N
	CF	Conversion Factor	kg/mg	1.0E-06	na	
	BW	Body Weight	kilograms	70	USEPA 1989	For evaluating carcinogens:
	AT-C	Averaging Time (Cancer)	days	25,550	USEPA 1989	= Csoil x IngR x EF x ED x CF x 1/BW x 1/AT-C
	AT-N	Averaging Time (Noncancer)	days	ED x 365	USEPA 1989	
Dermal	Csoil	Chemical Concentration in Soil	mg/kg	See Table 12	See Table 12	CDI (mg/kg-day) =
Contact	SA	Surface Area Available for Contact	cm^2	3,300	USEPA 2004	
	EF	Exposure Frequency	days/year	20	prof judgment	For evaluating noncarcinogens:
	ED	Exposure Duration	years	1	prof judgment	= Csoil x SA x EF x ED x AF x AbsD x CF x 1/BW x 1/AT-N
	AF	Adherence Factor	mg/cm^2	0.3	USEPA 2004	
	AbsD	Dermal Absorption	unitless	chem-specific	USEPA 2004	For evaluating carcinogens:
	CF	Conversion Factor	kg/mg	1.0E-06	na	= Csoil x SA x EF x ED x AF x AbsD x CF x 1/BW x 1/AT-C
	BW	Body Weight	kilograms	70	USEPA 1989	
	AT-C	Averaging Time (Cancer)	days	25,550	USEPA 1989	
	AT-N	Averaging Time (Noncancer)	days	ED x 365	USEPA 1989	
Inhalation	Csoil	Chemical Concentration in Soil	mg/kg	See Table 12	See Table 12	CDI (mg/kg-day) =
(Outdoor)	InhR	Inhalation Rate	m^3/day	20	USEPA 2002	
	EF	Exposure Frequency	days/year	20	prof judgment	For evaluating noncarcinogens:
	ED	Exposure Duration	years	1	prof judgment	= Csoil x InhR x EF x ED x (1/PEF or VF) x 1/BW x 1/AT-N
	PEF	Particulate Emission Factor	m^3/kg	chemical-specific	USEPA 2002	
	VF	Volatilization Factor	m^3/kg	chemical-specific	USEPA 2002	For evaluating carcinogens:
	BW	Body Weight	kilograms	70	USEPA 1989	= Csoil x InhR x EF x ED x (1/PEF or VF) x 1/BW x 1/AT-C
	AT-C	Averaging Time (Cancer)	days	25,550	USEPA 1989	
	AT-N	Averaging Time (Noncancer)	days	ED x 365	USEPA 1989	

NOTES: na: not applicable; -- not available

Sources: USEPA 1989. Risk Assessment Guidance for Superfund. Volume I: Human Health Evaluation Manual, Part A. OERR. EPA/540/1-89/002.
USEPA 1997. Exposure Factors Handbook. Volumes I-III. An update to Exposure Factors Handbook EPA/600/8-89/043-May 1989. EPA/600/P-95-002Fa. August.
USEPA 2002. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Office of Solid Waste and Emergency Response. OSWER 9355.4-24
USEPA 2004. Risk Assessment Guidance for Superfund. Volume I: Human Health Evaluation Manual - Supplemental Guidance for Dermal Risk Assessment. EPA/540/R-99/005.

TABLE 16
CANCER TOXICITY DATA - ORAL/DERMAL
Baseline Risk Assessment
Del Amo Site

Chemical of Potential Concern	Oral Cancer Slope Factor	Oral to Dermal Adjustment Factor	Adjusted Dermal Cancer Slope Factor (1)	Units	Weight of Evidence/ Cancer Guideline Description	Source	Date
Metals							
Arsenic	1.5E+00	100%	1.5E+00	$(mg/kg\text{-}day)^{-1}$	A	CalEPA 2004	10/2004
Cadmium	N/A	N/A	N/A	N/A	NA	USEPA 2002	10/2002
Chromium (total)	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Chromium (VI)	N/A	N/A	N/A	N/A	A	IRIS	10/2004
Copper	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Manganese	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Mercury	N/A	N/A	N/A	N/A	C	IRIS	10/2004
Thallium (sulfate)	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Vanadium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides/PCBs							
4,4'-DDD	2.4E-01	100%	2.4E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
4,4'-DDE	3.4E-01	100%	3.4E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
4,4'-DDT	3.4E-01	100%	3.4E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Aroclor 1260	5.0E+00	100%	5.0E+00	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Dieldrin	1.6E+01	100%	1.6E+01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Total PCBs	5.0E+00	100%	5.0E+00	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
SVOCs							
2-Methylnaphthalene (as naphthalene)	N/A	N/A	N/A	N/A	C	IRIS	10/2004
Benzo(a)anthracene	1.2E+00	100%	1.2E+00	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Benzo(a)pyrene	1.2E+01	100%	1.2E+01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Benzo(b)fluoranthene	1.2E+00	100%	1.2E+00	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Benzo(k)fluoranthene	1.2E+00	100%	1.2E+00	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Chrysene	1.2E-01	100%	1.2E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Dibenzo(a,h)anthracene	4.1E+00	100%	4.1E+00	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Indeno(1,2,3-cd)pyrene	1.2E+00	100%	1.2E+00	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
N-Nitrosodiphenylamine	9.0E-03	100%	9.0E-03	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
VOCs							
1,1,2,2-Tetrachloroethane	2.7E-01	100%	2.7E-01	$(mg/kg\text{-}day)^{-1}$	C	CalEPA 2004	10/2004
1,1,1-Trichloroethane	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,1,2-Trichloroethane	7.2E-02	100%	7.2E-02	$(mg/kg\text{-}day)^{-1}$	C	CalEPA 2004	10/2004
1,1-Dichloroethane	5.7E-03	100%	5.7E-03	$(mg/kg\text{-}day)^{-1}$	C	CalEPA 2004	10/2004
1,1-Dichloroethene	N/A	N/A	N/A	N/A	C	IRIS	10/2004
1,2,3-Trichlorobenzene (as 1,2,4-TCB)	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,2,4-Trichlorobenzene	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,2,4-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,2-Dibromoethane	3.6E+00	100%	3.6E+00	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
1,2-Dichlorobenzene	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,2-Dichloroethane	4.7E-02	100%	4.7E-02	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
1,2-Dichloroethene (cis)	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,2-Dichloroethene (trans)	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,3,5-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,3-Dichlorobenzene	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,4-Dichlorobenzene	5.4E-03	100%	5.4E-03	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
2-Hexanone (as MIBK)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Ethyl Toluene (as xylenes)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acetone	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acetonitrile	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Benzene	1.0E-01	100%	1.0E-01	$(mg/kg\text{-}day)^{-1}$	A	CalEPA 2004	10/2004

TABLE 16
CANCER TOXICITY DATA - ORAL/DERMAL
Baseline Risk Assessment
Del Amo Site

Chemical of Potential Concern	Oral Cancer Slope Factor	Oral to Dermal Adjustment Factor	Adjusted Dermal Cancer Slope Factor (1)	Units	Weight of Evidence/ Cancer Guideline Description	Source	Date
n-Butylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
sec-Butylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
tert-Butylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carbon Disulfide	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carbon Tetrachloride	1.5E-01	100%	1.5E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Chlorobenzene	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Chloroethane	2.9E-03	100%	2.9E-03	$(mg/kg\text{-}day)^{-1}$	N/A	NCEA:USEPA 2002	10/2002
Chloroform	3.1E-02	100%	3.1E-02	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Chloromethane	1.3E-02	100%	1.3E-02	$(mg/kg\text{-}day)^{-1}$	D	HEAST	07/1997
Cyclohexane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dichlorobromomethane	1.3E-01	100%	1.3E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Ethanol (as methanol)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethylbenzene	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Freon 11 (TCFM)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freon 12 (DCDFM)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freon 113 (TCTFE)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freon 114 (DCTFE) (as Freon 113)	N/A	#REF!	N/A	N/A	N/A	N/A	N/A
n-Heptane	N/A	N/A	N/A	N/A	D	IRIS	10/2004
n-Hexane	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Isopropanol (as methanol)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Isopropylbenzene (cumene)	N/A	N/A	N/A	N/A	D	IRIS	10/2004
p-Isopropyltoluene (as cumene)	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Methyl Ethyl Ketone (MEK)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methyl isobutyl ketone (MIBK)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methyl tert-Butyl Ether (MTBE)	1.8E-03	100%	1.8E-03	$(mg/kg\text{-}day)^{-1}$	N/A	CalEPA 2004	10/2004
Methylene Chloride	1.4E-02	100%	1.4E-02	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Naphthalene	N/A	N/A	N/A	N/A	C	IRIS	10/2004
n-Propylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Styrene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tetrachloroethene	5.4E-01	100%	5.4E-01	$(mg/kg\text{-}day)^{-1}$	N/A	CalEPA 2004	10/2004
Toluene	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Trichloroethene	1.3E-02	100%	1.3E-02	$(mg/kg\text{-}day)^{-1}$	N/A	CalEPA 2004	10/2004
Vinyl chloride	2.7E-01	100%	2.7E-01	$(mg/kg\text{-}day)^{-1}$	N/A	CalEPA 2004	10/2004
Xylenes	N/A	N/A	N/A	N/A	N/A	N/A	N/A

IRIS = Integrated Risk Information System

HEAST= Health Effects Assessment Summary Tables

N/A = Not Available

(1) Refer to RAGS, Part A. Also see text in Section 4.0.

EPA Cancer Guideline Description:

A - Human carcinogen

B1 - Probable human carcinogen - indicates that limited human data are available

B2 - Probable human carcinogen - indicates sufficient evidence in animals and inadequate or no evidence in humans

C - Possible human carcinogen

D - Not classifiable as a human carcinogen

E - Evidence of noncarcinogenicity

Source:

California Environmental Protection Agency (Cal EPA). 2004.Toxicity Criteria Database. OEHHA.

U.S. Environmental Protection Agency (USEPA). 2004. Integrated Risk Information System (IRIS) Online Database.

U.S. Environmental Protection Agency Region IX (USEPA). 2002. Preliminary Remediation Goal (PRG) Table. October.

U.S. Environmental Protection Agency (USEPA). 1997. HEAST.

TABLE 17
CANCER TOXICITY DATA - INHALATION
Baseline Risk Assessment
Del Amo Site

Chemical of Potential Concern	Inhalation Unit Risk	Units	Adjustment	Inhalation Cancer Slope Factor	Units	Weight of Evidence/ Cancer Guideline Description	Source	Date
Metals								
Arsenic	3.3E-03	$(ug/m^3)^{-1}$	3500	1.2E+01	$(mg/kg\text{-}day)^{-1}$	A	CalEPA 2004	10/2004
Cadmium	4.2E-03	$(ug/m^3)^{-1}$	3500	1.5E+01	$(mg/kg\text{-}day)^{-1}$	B1	CalEPA 2004	10/2004
Chromium (total)	1.2E-02	$(ug/m^3)^{-1}$	3500	4.2E+01	$(mg/kg\text{-}day)^{-1}$	A	IRIS	10/2004
Chromium (VI)	1.5E-01	$(ug/m^3)^{-1}$	3500	5.1E+02	$(mg/kg\text{-}day)^{-1}$	A	CalEPA 2004	10/2004
Copper	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Manganese	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Mercury	N/A	N/A	N/A	N/A	N/A	C	IRIS	10/2004
Thallium (sulfate)	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Vanadium	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides								
4,4'-DDD	6.9E-05	N/A	N/A	2.4E-01	N/A	B2	CalEPA 2004	10/2004
4,4'-DDE	9.7E-05	N/A	N/A	3.4E-01	N/A	B2	CalEPA 2004	10/2004
4,4'-DDT	9.7E-05	$(ug/m^3)^{-1}$	3500	3.4E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Aroclor 1260	5.7E-04	$(ug/m^3)^{-1}$	3500	2.0E+00	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Dieldrin	4.6E-03	$(ug/m^3)^{-1}$	3500	1.6E+01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Total PCBs	5.7E-04	$(ug/m^3)^{-1}$	3500	2.0E+00	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
SVOCs								
2-Methylnaphthalene (as naphthalene)	N/A	N/A	N/A	N/A	N/A	C	IRIS	10/2004
Benzo(a)anthracene	1.1E-04	$(ug/m^3)^{-1}$	3500	3.9E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Benzo(a)pyrene	1.1E-03	$(ug/m^3)^{-1}$	3500	3.9E+00	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Benzo(b)fluoranthene	1.1E-04	$(ug/m^3)^{-1}$	3500	3.9E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Benzo(k)fluoranthene	1.1E-04	$(ug/m^3)^{-1}$	3500	3.9E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Chrysene	1.1E-05	$(ug/m^3)^{-1}$	3500	3.9E-02	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Dibenzo(a,h)anthracene	1.2E-03	$(ug/m^3)^{-1}$	3500	4.1E+00	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Indeno(1,2,3-cd)pyrene	1.1E-04	$(ug/m^3)^{-1}$	3500	3.9E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
N-Nitrosodiphenylamine	2.6E-06	$(ug/m^3)^{-1}$	3500	9.0E-03	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
VOCs								
1,1,2,2-Tetrachloroethane	5.8E-05	$(ug/m^3)^{-1}$	3500	2.0E-01	$(mg/kg\text{-}day)^{-1}$	C	CalEPA 2004	10/2004
1,1,1-Trichloroethane	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,1,2-Trichloroethane	1.6E-05	$(ug/m^3)^{-1}$	3500	5.7E-02	$(mg/kg\text{-}day)^{-1}$	C	CalEPA 2004	10/2004
1,1-Dichloroethane	1.6E-06	$(ug/m^3)^{-1}$	3500	5.7E-03	$(mg/kg\text{-}day)^{-1}$	C	CalEPA 2004	10/2004
1,1-Dichloroethene	N/A	N/A	N/A	N/A	N/A	C	IRIS	10/2004
1,2,3-Trichlorobenzene (as 1,2,4-TCB)	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,2,4-Trichlorobenzene	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,2,4-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,2-Dibromoethane	7.1E-05	$(ug/m^3)^{-1}$	3500	2.5E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
1,2-Dichlorobenzene	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,2-Dichloroethane	2.1E-05	$(ug/m^3)^{-1}$	3500	7.2E-02	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
1,2-Dichloroethene (cis)	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,2-Dichloroethene (trans)	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,3,5-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,3-Dichlorobenzene	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
1,4-Dichlorobenzene	1.1E-05	$(ug/m^3)^{-1}$	3500	4.0E-02	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
2-Hexanone (as MIBK)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-Ethyl Toluene (as xylenes)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acetone	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Acetonitrile	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Benzene	2.9E-05	$(ug/m^3)^{-1}$	3500	1.0E-01	$(mg/kg\text{-}day)^{-1}$	A	CalEPA 2004	10/2004

TABLE 17
CANCER TOXICITY DATA - INHALATION
Baseline Risk Assessment
Del Amo Site

Chemical of Potential Concern	Inhalation Unit Risk	Units	Adjustment	Inhalation Cancer Slope Factor	Units	Weight of Evidence/ Cancer Guideline Description	Source	Date
n-Butylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
sec-Butylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
tert-Butylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carbon Disulfide	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carbon Tetrachloride	4.2E-05	$(ug/m^3)^{-1}$	3500	1.5E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Chlorobenzene	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Chloroethane	8.3E-07	$(ug/m^3)^{-1}$	3500	2.9E-03	$(mg/kg\text{-}day)^{-1}$	N/A	NCEA:USEPA2002/RE	10/2002
Chloroform	5.3E-06	$(ug/m^3)^{-1}$	3500	1.9E-02	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Chloromethane	1.8E-06	$(ug/m^3)^{-1}$	3500	6.3E-03	$(mg/kg\text{-}day)^{-1}$	D	HEAST	07/1997
Cyclohexane	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dichlorobromomethane	3.7E-05	$(ug/m^3)^{-1}$	3500	1.3E-01	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Ethanol (as methanol)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethylbenzene	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Freon 11 (TCFM)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freon 12 (DCDFM)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freon 113 (TCTFE)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Freon 114 (DCTFE) (as Freon 113)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
n-Heptane	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
n-Hexane	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Isopropanol (as methanol)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Isopropylbenzene (cumene)	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
p-Isopropyltoluene (as cumene)	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Methyl Ethyl Ketone (MEK)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methyl isobutyl ketone (MIBK)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methyl tert-Butyl Ether (MTBE)	2.6E-07	$(ug/m^3)^{-1}$	3500	9.1E-04	$(mg/kg\text{-}day)^{-1}$	N/A	CalEPA 2004	10/2004
Methylene Chloride	1.0E-06	$(ug/m^3)^{-1}$	3500	3.5E-03	$(mg/kg\text{-}day)^{-1}$	B2	CalEPA 2004	10/2004
Naphthalene	N/A	N/A	N/A	N/A	N/A	C	IRIS	10/2004
n-Propylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Styrene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tetrachloroethene	5.9E-06	$(ug/m^3)^{-1}$	3500	2.1E-02	$(mg/kg\text{-}day)^{-1}$	N/A	CalEPA 2004	10/2004
Toluene	N/A	N/A	N/A	N/A	N/A	D	IRIS	10/2004
Trichloroethene	2.0E-06	$(ug/m^3)^{-1}$	3500	7.0E-03	$(mg/kg\text{-}day)^{-1}$	N/A	CalEPA 2004	10/2004
Vinyl chloride	7.7E-05	$(ug/m^3)^{-1}$	3500	2.7E-01	$(mg/kg\text{-}day)^{-1}$	N/A	CalEPA 2004	10/2004
Xylenes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

IRIS = Integrated Risk Information System

HEAST= Health Effects Assessment Summary Tables

N/A = Not Available

EPA Cancer Guideline Description:

A - Human carcinogen

B1 - Probable human carcinogen - indicates that limited human data are available

B2 - Probable human carcinogen - indicates sufficient evidence in animals and inadequate or no evidence in humans

C - Possible human carcinogen

D - Not classifiable as a human carcinogen

E - Evidence of noncarcinogenicity

Source:

California Environmental Protection Agency (Cal EPA). 2004.Toxicity Criteria Database. OEHHA.

U.S. Environmental Protection Agency (USEPA). 2004. Integrated Risk Information System (IRIS) Online Database.

U.S. Environmental Protection Agency Region IX (USEPA). 2002. Preliminary Remediation Goal (PRG) Table. October.

TABLE 18
NONCANCER TOXICITY DATA - ORAL/DERMAL
Baseline Risk Assessment
Del Amo Site

Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD Value	Oral RfD Units	Oral to Dermal Adjustment Factor (1)	Adjusted Dermal RfD (2)	Units	Primary Target Organ	Combined Uncertainty/ Modifying Factors	Sources of RfD	Date
Metals										
Arsenic, Total	chronic	3.0E-04	mg/kg-d	100%	3.0E-04	mg/kg-d	Skin	3	IRIS	10/2004
Cadmium	chronic	1.0E-03	mg/kg-d	100%	1.0E-03	mg/kg-d	Kidney	10	IRIS	10/2004
Chromium (III)	chronic	1.5E+00	mg/kg-d	100%	1.5E+00	mg/kg-d	NOAEL	1000	IRIS	10/2004
Chromium (VI)	chronic	3.0E-03	mg/kg-d	100%	3.0E-03	mg/kg-d	NOAEL	900	IRIS	10/2004
Copper	chronic	4.0E-02	mg/kg-d	100%	4.0E-02	mg/kg-d	GI	N/A	HEAST	07/1997
Manganese	chronic	1.4E-01	mg/kg-d	100%	1.4E-01	mg/kg-d	CNS	1	IRIS	10/2004
Mercury	chronic	3.0E-04	mg/kg-d	100%	3.0E-04	mg/kg-d	Autoimmune	1000	IRIS	10/2004
Thallium (sulfate)	chronic	8.0E-05	mg/kg-d	100%	8.0E-05	mg/kg-d	NOAEL	3000	IRIS	10/2004
Vanadium	chronic	7.0E-03	mg/kg-d	100%	7.0E-03	mg/kg-d	Liver	100	HEAST	07/1997
Pesticides										
4,4'-DDD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDT	chronic	5.0E-04	mg/kg-d	100%	5.0E-04	mg/kg-d	Liver	100	IRIS	10/2004
Aroclor 1260	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dieldrin	chronic	5.0E-05	mg/kg-d	100%	5.0E-05	mg/kg-d	Liver	100	IRIS	10/2004
Total PCBs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOCs										
2-Methylnaphthalene (as naphthalen	chronic	2.0E-02	mg/kg-d	100%	2.0E-02	mg/kg-d	Weight	3000	IRIS	10/2004
Benzo(a)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(a)pyrene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(b)fluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(k)fluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chrysene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibenzo(a,h)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Indeno(1,2,3-cd)pyrene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosodiphenylamine	chronic	2.0E-02	mg/kg-d	100%	2.0E-02	mg/kg-d	N/A	N/A	NCEA	04/2003
VOCs										
1,1,2,2-Tetrachloroethane	chronic	6.0E-02	mg/kg-d	100%	6.0E-02	mg/kg-d	CNS/Liver	N/A	NCEA:USEPA 2002	10/2002
1,1,1-Trichloroethane	chronic	2.8E-01	mg/kg-d	100%	2.8E-01	mg/kg-d	CNS/Liver	N/A	NCEA:USEPA 2002	10/2002
1,1,2-Trichloroethane	chronic	4.0E-03	mg/kg-d	100%	4.0E-03	mg/kg-d	NOAEL	1000	IRIS	10/2004
1,1-Dichloroethane	chronic	1.0E-01	mg/kg-d	100%	1.0E-01	mg/kg-d	NOEL	1000	HEAST	07/1997
1,1-Dichloroethene	chronic	5.0E-02	mg/kg-d	100%	5.0E-02	mg/kg-d	Liver	100	IRIS	10/2004
1,2,3-Trichlorobenzene (as 1,2,4-TC	chronic	1.0E-02	mg/kg-d	100%	1.0E-02	mg/kg-d	Kidney	1000	IRIS	10/2004
1,2,4-Trichlorobenzene	chronic	1.0E-02	mg/kg-d	100%	1.0E-02	mg/kg-d	Kidney	1000	IRIS	10/2004
1,2,4-Trimethylbenzene	chronic	5.0E-02	mg/kg-d	100%	5.0E-02	mg/kg-d	Weight	3000	NCEA:USEPA 2002	10/2002
1,2-Dibromoethane	chronic	2.3E-04	mg/kg-d	100%	2.3E-04	mg/kg-d	Reproductive	N/A	RE/REL:CalEPA 200	10/2004
1,2-Dichlorobenzene	chronic	9.0E-02	mg/kg-d	100%	9.0E-02	mg/kg-d	NOAEL	1000	IRIS	10/2004
1,2-Dichloroethane	chronic	3.0E-02	mg/kg-d	100%	3.0E-02	mg/kg-d	CNS/Kidney	N/A	NCEA:USEPA 2002	10/2002
1,2-Dichloroethene (cis)	chronic	1.0E-02	mg/kg-d	100%	1.0E-02	mg/kg-d	Blood	3000	HEAST	07/1997
1,2-Dichloroethene (trans)	chronic	2.0E-02	mg/kg-d	100%	2.0E-02	mg/kg-d	Liver enzyme	1000	IRIS	10/2004
1,3,5-Trimethylbenzene	chronic	5.0E-02	mg/kg-d	100%	5.0E-02	mg/kg-d	Weight	3000	NCEA:USEPA 2002	10/2002
1,3-Dichlorobenzene	chronic	9.0E-04	mg/kg-d	100%	9.0E-04	mg/kg-d	Thyroid/Pituitary	3000	NCEA:USEPA 2002	10/2002
1,4-Dichlorobenzene	chronic	3.0E-02	mg/kg-d	100%	3.0E-02	mg/kg-d	N/A	N/A	NCEA:USEPA 2002	10/2002
2-Hexanone (as MIBK)	chronic	8.0E-02	mg/kg-d	100%	8.0E-02	mg/kg-d	Liver/Kidney	3000	HEAST	07/1997
4-Ethyl Toluene (as xylenes)	chronic	2.0E-01	mg/kg-d	100%	2.0E-01	mg/kg-d	Weight	1000	IRIS	10/2004
Acetone	chronic	9.0E-01	mg/kg-d	100%	9.0E-01	mg/kg-d	Kidney	1000	IRIS	10/2004
Acetonitrile	chronic	1.7E-02	mg/kg-d	100%	1.7E-02	mg/kg-d	Mortality	1000	IRIS:RE	10/2004
Benzene	chronic	4.0E-03	mg/kg-d	100%	4.0E-03	mg/kg-d	Blood	300	IRIS	10/2004

TABLE 18
NONCANCER TOXICITY DATA - ORAL/DERMAL
Baseline Risk Assessment
Del Amo Site

Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD Value	Oral RfD Units	Oral to Dermal Adjustment Factor (1)	Adjusted Dermal RfD (2)	Units	Primary Target Organ	Combined Uncertainty/ Modifying Factors	Sources of RfD	Date
n-Butylbenzene	chronic	4.0E-02	mg/kg-d	100%	4.0E-02	mg/kg-d	Liver/Kidney	10000	NCEA:USEPA 2002	10/2002
sec-Butylbenzene	chronic	4.0E-02	mg/kg-d	100%	4.0E-02	mg/kg-d	Liver/Kidney	10000	NCEA:USEPA 2002	10/2002
tert-Butylbenzene	chronic	4.0E-02	mg/kg-d	100%	4.0E-02	mg/kg-d	Liver/Kidney	10000	NCEA:USEPA 2002	10/2002
Carbon Disulfide	chronic	1.0E-01	mg/kg-d	100%	1.0E-01	mg/kg-d	Fetal Toxicity	100	IRIS	10/2004
Carbon Tetrachloride	chronic	7.0E-04	mg/kg-d	100%	7.0E-04	mg/kg-d	Liver	1000	IRIS	10/2004
Chlorobenzene	chronic	2.0E-02	mg/kg-d	100%	2.0E-02	mg/kg-d	Liver	1000	IRIS	10/2004
Chloroethane	chronic	4.0E-01	mg/kg-d	100%	4.0E-01	mg/kg-d	N/A	N/A	NCEA:USEPA 2002	10/2002
Chloroform	chronic	1.0E-02	mg/kg-d	100%	1.0E-02	mg/kg-d	Liver	1000	IRIS	10/2004
Chloromethane	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cyclohexane	chronic	1.7E+00	mg/kg-d	100%	1.7E+00	mg/kg-d	Weight	300	IRIS:RE	10/2002
Dichlorobromomethane	chronic	2.0E-02	mg/kg-d	100%	2.0E-02	mg/kg-d	Kidney	1000	IRIS	10/2004
Ethanol (as methanol)	chronic	5.0E-01	mg/kg-d	100%	5.0E-01	mg/kg-d	Liver	1000	IRIS	10/2004
Ethylbenzene	chronic	1.0E-01	mg/kg-d	100%	1.0E-01	mg/kg-d	Liver/Kidney	1000	IRIS	10/2004
Freon 11 (TCFM)	chronic	3.0E-01	mg/kg-d	100%	3.0E-01	mg/kg-d	Survival	1000	IRIS	10/2004
Freon 12 (DCDFM)	chronic	2.0E-01	mg/kg-d	100%	2.0E-01	mg/kg-d	Weight	100	IRIS	10/2004
Freon 113 (TCTFE)	chronic	3.0E+01	mg/kg-d	100%	3.0E+01	mg/kg-d	Motor	10	IRIS	10/2004
Freon 114 (DCTFE) (as freon 113)	chronic	3.0E+01	mg/kg-d	100%	3.0E+01	mg/kg-d	Motor	10	IRIS	10/2004
n-Heptane (as n-hexane)	chronic	6.0E-02	mg/kg-d	100%	6.0E-02	mg/kg-d	CNS	10000	HEAST	07/1997
n-Hexane	chronic	6.0E-02	mg/kg-d	100%	6.0E-02	mg/kg-d	CNS	10000	HEAST	07/1997
Isopropanol (as methanol)	chronic	5.0E-01	mg/kg-d	100%	5.0E-01	mg/kg-d	Liver	1000	IRIS	10/2004
Isopropylbenzene (cumene)	chronic	1.0E-01	mg/kg-d	100%	1.0E-01	mg/kg-d	Kidney	1000	IRIS	10/2004
p-Isopropyltoluene (as cumene)	chronic	1.0E-01	mg/kg-d	100%	1.0E-01	mg/kg-d	Kidney	1000	IRIS	10/2004
Methyl Ethyl Ketone (MEK)	chronic	6.0E-01	mg/kg-d	100%	6.0E-01	mg/kg-d	Weight	1000	IRIS	10/2004
Methyl isobutyl ketone (MIBK)	chronic	8.0E-02	mg/kg-d	100%	8.0E-02	mg/kg-d	Liver/Kidney	3000	HEAST	07/1997
Methyl tert-Butyl Ether (MTBE)	chronic	2.3E+00	mg/kg-d	100%	2.3E+00	mg/kg-d	Kidney	N/A	REL:CalEPA 2004/R	10/2004
Methylene Chloride	chronic	6.0E-02	mg/kg-d	100%	6.0E-02	mg/kg-d	Liver	100	IRIS	10/2004
Naphthalene	chronic	2.0E-02	mg/kg-d	100%	2.0E-02	mg/kg-d	Weight	3000	IRIS	10/2004
n-Propylbenzene	chronic	4.0E-02	mg/kg-d	100%	4.0E-02	mg/kg-d	N/A	N/A	NCEA:USEPA 2002	10/2002
Styrene	chronic	2.0E-01	mg/kg-d	100%	2.0E-01	mg/kg-d	Blood/Liver	1000	IRIS	10/2004
Tetrachloroethene	chronic	1.0E-02	mg/kg-d	100%	1.0E-02	mg/kg-d	Liver	1000	IRIS	10/2004
Toluene	chronic	2.0E-01	mg/kg-d	100%	2.0E-01	mg/kg-d	Liver/Kidney	1000	IRIS	10/2004
Trichloroethene	chronic	6.0E-03	mg/kg-d	100%	6.0E-03	mg/kg-d	Liver	N/A	USEPA 1999	10/01/99
Vinyl chloride	chronic	3.0E-03	mg/kg-d	100%	3.0E-03	mg/kg-d	Liver	30	IRIS	10/2004
Xylenes	chronic	2.0E-01	mg/kg-d	100%	2.0E-01	mg/kg-d	Weight	1000	IRIS	10/2004

Notes:

N/A = Not Available; RE = route extrapolation; NOAEL = No Observed Adverse Effect Level

(1) Refer to RAGS, Part A. Also see text in Section 4.0.

Source:

California Environmental Protection Agency (CalEPA). 2004.Toxicity Criteria Database. OEHHA.

NCEA: National Center for Environmental Assessment as referenced in USEPA, 2002.

U.S. Environmental Protection Agency (USEPA). 2004. Integrated Risk Information System (IRIS) Online Database.

U.S. Environmental Protection Agency Region IX (USEPA). 2002. Preliminary Remediation Goal (PRG) Table. October.

U.S. Environmental Protection Agency (USEPA). 1997. HEAST

TABLE 19
NONCANCER TOXICITY DATA - INHALATION
Baseline Risk Assessment
Del Amo Site

Chemical of Potential Concern	Chronic/ Subchronic	Inhalation RfC or REL Value	Units	Adjusted Inhalation RfD (1)	Units	Primary Target Organ	Combined Uncertainty/ Modifying Factors	Sources of RfC:RfD	Date
Metals									
Arsenic, Total	chronic	3.0E-05	mg/m^3	8.6E-06	mg/kg-d	Developmental	N/A	REL: CalEPA 2004	10/2004
Cadmium	chronic	2.0E-05	mg/m^3	5.7E-06	mg/kg-d	Kidney	N/A	REL: CalEPA 2004	10/2004
Chromium (III)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chromium (VI)	chronic	8.0E-06	mg/m^3	2.3E-06	mg/kg-d	Nasal Effects	90	IRIS	10/2004
Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Manganese	chronic	2.0E-04	mg/m^3	5.7E-05	mg/kg-d	CNS	N/A	REL: CalEPA 2004	10/2004
Mercury	chronic	9.0E-05	mg/m^3	2.6E-05	mg/kg-d	Nervous System	N/A	REL: CalEPA 2004	10/2004
Thallium (sulfate)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vanadium	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pesticides									
4,4'-DDD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDT	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Aroclor 1260	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dieldrin	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total PCBs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOCs									
2-Methylnaphthalene (as naphthalene)	chronic	9.0E-03	mg/m^3	2.6E-03	mg/kg-d	Respiratory	N/A	REL: CalEPA 2004	10/2004
Benzo(a)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(a)pyrene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(b)fluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Benzo(k)fluoranthene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chrysene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dibenzo(a,h)anthracene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Indeno(1,2,3-cd)pyrene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-Nitrosodiphenylamine	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VOCs									
1,1,2,2-Tetrachloroethane	chronic	2.1E-01	mg/m^3	6.0E-02	mg/kg-d	CNS/Liver	N/A	NCEA:USEPA 2002/RE	10/2002
1,1,1-Trichloroethane	chronic	1.0E+00	mg/m^3	2.9E-01	mg/kg-d	Nervous System	N/A	REL: CalEPA 2004	10/2004
1,1,2-Trichloroethane	chronic	1.4E-02	mg/m^3	4.0E-03	mg/kg-d	NOAEL	1000	IRIS:RE	10/2004
1,1-Dichloroethane	chronic	4.9E-01	mg/m^3	1.4E-01	mg/kg-d	Kidney	1000	HEAST	07/1997
1,1-Dichloroethene	chronic	7.0E-02	mg/m^3	2.0E-02	mg/kg-d	Liver	N/A	REL: CalEPA 2004	10/2004
1,2,3-Trichlorobenzene (as 1,2,4-TCB)	chronic	2.0E-01	mg/m^3	5.7E-02	mg/kg-d	Liver	1000	HEAST	07/1997
1,2,4-Trichlorobenzene	chronic	2.0E-01	mg/m^3	5.7E-02	mg/kg-d	Liver	1000	HEAST	07/1997
1,2,4-Trimethylbenzene	chronic	6.0E-03	mg/m^3	1.7E-03	mg/kg-d	CNS	3000	NCEA:USEPA 2002	10/2002
1,2-Dibromoethane	chronic	8.0E-04	mg/m^3	2.3E-04	mg/kg-d	Reproductive	N/A	REL: CalEPA 2004	10/2004
1,2-Dichlorobenzene	chronic	2.0E-01	mg/m^3	5.7E-02	mg/kg-d	N/A	N/A	HEAST	07/1997
1,2-Dichloroethane	chronic	4.0E-01	mg/m^3	1.1E-01	mg/kg-d	Liver	N/A	REL: CalEPA 2004	10/2004
1,2-Dichloroethene (cis)	chronic	3.5E-02	mg/m^3	1.0E-02	mg/kg-d	Blood	3000	HEAST:RE	07/1997
1,2-Dichloroethene (trans)	chronic	7.0E-02	mg/m^3	2.0E-02	mg/kg-d	Liver enzyme	1000	IRIS:RE	10/2004
1,3,5-Trimethylbenzene	chronic	6.0E-03	mg/m^3	1.7E-03	mg/kg-d	CNS	3000	NCEA:USEPA 2002	10/2002
1,3-Dichlorobenzene	chronic	3.2E-03	mg/m^3	9.0E-04	mg/kg-d	Thyroid/Pituitary	3000	NCEA:USEPA 2002/RE	10/2002
1,4-Dichlorobenzene	chronic	8.0E-01	mg/m^3	2.3E-01	mg/kg-d	Liver	N/A	REL: CalEPA 2004	10/2004
2-Hexanone (as MIBK)	chronic	3.0E+00	mg/m^3	8.6E-01	mg/kg-d	Weight	300	IRIS	10/2004
4-Ethyl Toluene (as xylenes)	chronic	7.0E-01	mg/m^3	2.0E-01	mg/kg-d	CNS	N/A	REL: CalEPA 2004	10/2004
Acetone	chronic	3.2E+00	mg/m^3	9.0E-01	mg/kg-d	Kidney	1000	IRIS:RE	10/2004
Acetonitrile	chronic	6.0E-02	mg/m^3	1.7E-02	mg/kg-d	Mortality	1000	IRIS	10/2004
Benzene	chronic	6.0E-02	mg/m^3	1.7E-02	mg/kg-d	Blood	N/A	REL: CalEPA 2004	10/2004

TABLE 19
NONCANCER TOXICITY DATA - INHALATION
Baseline Risk Assessment
Del Amo Site

Chemical of Potential Concern	Chronic/ Subchronic	Inhalation RfC or REL Value	Units	Adjusted Inhalation RfD (1)	Units	Primary Target Organ	Combined Uncertainty/ Modifying Factors	Sources of RfC:RfD	Date
n-Butylbenzene	chronic	1.4E-01	mg/m^3	4.0E-02	mg/kg-d	Liver/Kidney	10000	NCEA:USEPA 2002/RE	10/2002
sec-Butylbenzene	chronic	1.4E-01	mg/m^3	4.0E-02	mg/kg-d	Liver/Kidney	10000	NCEA:USEPA 2002/RE	10/2002
tert-Butylbenzene	chronic	1.4E-01	mg/m^3	4.0E-02	mg/kg-d	Liver/Kidney	10000	NCEA:USEPA 2002/RE	10/2002
Carbon Disulfide	chronic	8.0E-01	mg/m^3	2.3E-01	mg/kg-d	Nervous System	N/A	REL: CalEPA 2004	10/2004
Carbon Tetrachloride	chronic	4.0E-02	mg/m^3	1.1E-02	mg/kg-d	Developmental	N/A	REL: CalEPA 2004	10/2004
Chlorobenzene	chronic	1.0E+00	mg/m^3	2.9E-01	mg/kg-d	Kidney	N/A	REL: CalEPA 2004	10/2004
Chloroethane	chronic	3.0E+01	mg/m^3	8.6E+00	mg/kg-d	Developmental	N/A	REL: CalEPA 2004	10/2004
Chloroform	chronic	3.0E-01	mg/m^3	8.6E-02	mg/kg-d	Kidney	N/A	REL: CalEPA 2004	10/2004
Chloromethane	chronic	9.0E-02	mg/m^3	2.6E-02	mg/kg-d	CNS	1000	IRIS	10/2004
Cyclohexane	chronic	6.0E+00	mg/m^3	1.7E+00	mg/kg-d	Weight	300	IRIS	10/2004
Dichlorobromomethane	chronic	7.0E-02	mg/m^3	2.0E-02	mg/kg-d	Kidney	1000	IRIS:RE	10/2004
Ethanol (as methanol)	chronic	4.0E+00	mg/m^3	1.1E+00	mg/kg-d	Developmental	N/A	REL: CalEPA 2004	10/2004
Ethylbenzene	chronic	2.0E+00	mg/m^3	5.7E-01	mg/kg-d	Developmental	N/A	REL: CalEPA 2004	10/2004
Freon 11 (TCFM)	chronic	7.0E-01	mg/m^3	2.0E-01	mg/kg-d	Whole Body	1000	HEAST	07/1997
Freon 12 (DCDFM)	chronic	2.0E-01	mg/m^3	5.7E-02	mg/kg-d	NOAEL	100	HEAST	07/1997
Freon 113 (TCTFE)	chronic	3.0E+01	mg/m^3	8.6E+00	mg/kg-d	Body Weight	100	HEAST	07/1997
Freon 114 (DCTFE) (as Freon 113)	chronic	3.0E+01	mg/m^3	8.6E+00	mg/kg-d	Body Weight	100	HEAST	07/1997
n-Heptane (as n-hexane)	chronic	7.0E+00	mg/m^3	2.0E+00	mg/kg-d	PNS	N/A	REL: CalEPA 2004	10/2004
n-Hexane	chronic	7.0E+00	mg/m^3	2.0E+00	mg/kg-d	PNS	N/A	REL: CalEPA 2004	10/2004
Isopropanol	chronic	7.0E+00	mg/m^3	2.0E+00	mg/kg-d	Kidney	N/A	REL: CalEPA 2004	10/2004
Isopropylbenzene (cumene)	chronic	3.9E-01	mg/m^3	1.1E-01	mg/kg-d	Kidney	N/A	IRIS	10/2004
p-Isopropyltoluene (as cumene)	chronic	3.9E-01	mg/m^3	1.1E-01	mg/kg-d	Kidney	N/A	IRIS	10/2004
Methyl Ethyl Ketone (MEK)	chronic	5.0E+00	mg/m^3	1.4E+00	mg/kg-d	Developmental	300	IRIS	10/2004
Methyl isobutyl ketone (MIBK)	chronic	3.0E+00	mg/m^3	8.6E-01	mg/kg-d	Weight	300	IRIS	10/2004
Methyl tert-Butyl Ether (MTBE)	chronic	8.0E+00	mg/m^3	2.3E+00	mg/kg-d	Kidney	N/A	REL: CalEPA 2004	10/2004
Methylene Chloride	chronic	4.0E-01	mg/m^3	1.1E-01	mg/kg-d	Liver	N/A	REL: CalEPA 2004	10/2004
Naphthalene	chronic	9.0E-03	mg/m^3	2.6E-03	mg/kg-d	Nasal Effects	N/A	REL: CalEPA 2004	10/2004
n-Propylbenzene	chronic	1.4E-01	mg/m^3	4.0E-02	mg/kg-d	N/A	N/A	NCEA:USEPA 2002/RE	10/2002
Styrene	chronic	9.0E-01	mg/m^3	2.6E-01	mg/kg-d	CNS	N/A	REL: CalEPA 2004	10/2004
Tetrachloroethene	chronic	3.5E-02	mg/m^3	1.0E-02	mg/kg-d	Liver/Kidney	N/A	REL: CalEPA 2004	10/2004
Toluene	chronic	3.0E-01	mg/m^3	8.6E-02	mg/kg-d	CNS	N/A	REL: CalEPA 2004	10/2004
Trichloroethene	chronic	6.0E-01	mg/m^3	1.7E-01	mg/kg-d	CNS	N/A	REL: CalEPA 2004	10/2004
Vinyl chloride	chronic	1.0E-01	mg/m^3	2.9E-02	mg/kg-d	Liver	30	IRIS	10/2004
Xylenes	chronic	7.0E-01	mg/m^3	2.0E-01	mg/kg-d	CNS	N/A	REL: CalEPA 2004	10/2004

Notes:

N/A = Not Available; RE = route extrapolation; REL = Reference Exposure Level

(1) Adjustment made to RfC or REL: Inhalation RfD = (RfC or REL) x (20 m3/day) x (1/70 kg)

Source:

California Environmental Protection Agency (CalEPA). 2004.Toxicity Criteria Database. OEHHA.

NCEA: National Center for Environmental Assessment as referenced in USEPA, 2002.

U.S. Environmental Protection Agency (USEPA). 2004. Integrated Risk Information System (IRIS) Online Database.

U.S. Environmental Protection Agency Region IX (USEPA). 2002. Preliminary Remediation Goal (PRG) Table. October.

U.S. Environmental Protection Agency (USEPA). 1997. HEAST.

TABLE 20
CUMULATIVE RISK AND HAZARD
COMMERCIAL WORKER EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Commercial Exposure Scenario			
			Reasonable Maximum Exposure (RME)		Central Tendency (CT)	
			Cancer Risk	Hazard Index	Cancer Risk	Hazard Index
Site-Wide Background	--	Ambient Air	5E-05	2E-01	6E-06	1E-01
7351-031-018	1	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	2E-08	2E-02	3E-09	7E-03
		Indoor Air/Tier 1 - Shallow	2E-08	6E-04	1E-09	2E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air - Workplace	--	--	--	--
7351-031-020	2	Outdoor Surface Soil	7E-06	--	2E-07	--
		Outdoor Shallow Soil	1E-04	6E-02	1E-06	2E-02
		Indoor Air/Tier 1 - Shallow	3E-08	5E-05	4E-09	3E-05
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	7E-09	5E-05	--	--
		Indoor Air - Workplace	8E-05	9E-01	1E-05	3E-01
7351-031-031	3	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	4E-06	2E-02	2E-07	5E-03
		Indoor Air/Tier 1 - Shallow	5E-08	5E-03	7E-09	1E-03
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air - Workplace	--	--	--	--
7351-031-007	4	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	3E-06	2E-03	1E-07	3E-04
		Indoor Air/Tier 1 - Shallow	--	--	--	--
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	6E-09	5E-05	--	--
		Indoor Air - Workplace	3E-04	1E+00	2E-05	4E-01
7351-033-017	5	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	7E-07	2E-02	7E-08	5E-03
		Indoor Air/Tier 1 - Shallow	5E-05	4E-01	5E-06	8E-02
		Indoor Air/Tier 1 - Deep	1E-03	2E+00	5E-05	4E-01
		Indoor Air/Tiers 1&2 - Shallow	2E-06	3E-01	1E-07	4E-02
		Indoor Air/Tiers 1&2 - Deep	4E-06	7E-02	2E-07	5E-02
		Indoor Air - Workplace	1E-04	6E-01	1E-05	2E-01
7351-033-022	6	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	3E-06	7E-03	2E-07	1E-03
		Indoor Air/Tier 1 - Shallow	2E-04	3E-01	1E-05	7E-02
		Indoor Air/Tier 1 - Deep	5E-05	2E-01	3E-06	3E-02
		Indoor Air/Tiers 1&2 - Shallow	4E-06	6E-03	2E-07	1E-03
		Indoor Air/Tiers 1&2 - Deep	2E-07	7E-04	1E-08	1E-04
		Indoor Air - Workplace	--	--	--	--
7351-033-024	7	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	9E-06	5E-02	5E-07	1E-02
		Indoor Air/Tier 1 - Shallow	3E-05	1E+00	1E-06	2E-01
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	2E-06	1E+00	1E-07	1E-01
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--
		Indoor Air - Workplace	--	--	--	--
7351-033-026	8	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	3E-07	5E-04	9E-09	6E-05
		Indoor Air/Tier 1 - Shallow	2E-05	3E-02	6E-07	4E-03
		Indoor Air/Tier 1 - Deep	3E-05	4E-02	1E-06	6E-03
		Indoor Air/Tiers 1&2 - Shallow	3E-07	6E-04	1E-08	1E-04
		Indoor Air/Tiers 1&2 - Deep	8E-08	1E-04	3E-09	2E-05
		Indoor Air - Workplace	--	--	--	--

TABLE 20
CUMULATIVE RISK AND HAZARD
COMMERCIAL WORKER EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Commercial Exposure Scenario			
			Reasonable Maximum Exposure (RME)		Central Tendency (CT)	
			Cancer Risk	Hazard Index	Cancer Risk	Hazard Index
7351-033-027	9	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	1E-06	3E-03	6E-08	4E-04
		Indoor Air/Tier 1 - Shallow	8E-05	1E-01	4E-06	2E-02
		Indoor Air/Tier 1 - Deep	2E-04	4E-01	1E-05	7E-02
		Indoor Air/Tiers 1&2 - Shallow	1E-06	2E-03	7E-08	5E-04
		Indoor Air/Tiers 1&2 - Deep	8E-07	2E-03	3E-08	3E-04
		Indoor Air - Workplace	8E-05	4E-01	6E-06	1E-01
7351-033-030	10	Outdoor Surface Soil	8E-09	1E-02	1E-09	7E-03
		Outdoor Shallow Soil	8E-09	1E-01	8E-10	2E-02
		Indoor Air/Tier 1 - Shallow	7E-09	3E-05	5E-10	1E-05
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	4E-09	5E-05	--	--
		Indoor Air - Workplace	--	--	--	--
7351-033-034	11	Outdoor Surface Soil	9E-06	6E-02	6E-07	2E-02
		Outdoor Shallow Soil	2E-05	7E-02	9E-07	2E-02
		Indoor Air/Tier 1 - Shallow	4E-04	7E-01	2E-05	1E-01
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	7E-06	1E-02	3E-07	2E-03
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--
		Indoor Air - Workplace	--	--	--	--
7351-033-040	12	Outdoor Surface Soil	9E-06	6E-02	6E-07	2E-02
		Outdoor Shallow Soil	9E-06	6E-02	6E-07	2E-02
		Indoor Air/Tier 1 - Shallow	3E-08	6E-05	4E-09	3E-05
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	4E-09	4E-05	--	--
		Indoor Air - Workplace	--	--	--	--
7351-033-045	13	Outdoor Surface Soil	9E-06	7E-02	5E-07	2E-02
		Outdoor Shallow Soil	1E-05	8E-02	6E-07	2E-02
		Indoor Air/Tier 1 - Shallow	2E-08	2E-04	4E-09	1E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air - Workplace	--	--	--	--
7351-033-009	14	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	6E-08	1E+00	1E-09	1E-01
		Indoor Air/Tier 1 - Shallow	5E-08	2E-03	6E-09	1E-03
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air - Workplace	--	--	--	--
7351-033-900	15	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	4E-06	7E-03	5E-07	3E-03
		Indoor Air/Tier 1 - Shallow	2E-04	4E-01	3E-05	2E-01
		Indoor Air/Tier 1 - Deep	9E-03	1E+01	5E-04	3E+00
		Indoor Air/Tiers 1&2 - Shallow	4E-06	6E-03	6E-07	3E-03
		Indoor Air/Tiers 1&2 - Deep	3E-05	5E-02	2E-06	9E-03
		Indoor Air/Tiers 1&2 - Groundwater	2E-05	3E-02	--	--
		Indoor Air - Workplace	--	--	--	--
7351-034-015, -050,-056	16	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	1E-04	2E-01	2E-06	2E-02
		Indoor Air/Tier 1 - Shallow	1E-03	5E+00	4E-05	8E-01
		Indoor Air/Tier 1 - Deep	2E-04	3E-01	7E-06	4E-02
		Indoor Air/Tiers 1&2 - Shallow	4E-04	3E+00	2E-05	5E-01
		Indoor Air/Tiers 1&2 - Deep	1E-06	1E-02	5E-08	4E-03
		Indoor Air - Workplace	5E-05	3E-01	6E-06	1E-01

TABLE 20
CUMULATIVE RISK AND HAZARD
COMMERCIAL WORKER EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Commercial Exposure Scenario			
			Reasonable Maximum Exposure (RME)		Central Tendency (CT)	
			Cancer Risk	Hazard Index	Cancer Risk	Hazard Index
7351-034-039	17	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	9E-07	2E-03	3E-08	2E-04
		Indoor Air/Tier 1 - Shallow	6E-05	1E-01	2E-06	2E-02
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	1E-06	4E-03	4E-08	1E-03
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--
		Indoor Air - Workplace	7E-05	4E-01	8E-06	2E-01
7351-034-041	18	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	--	--	--	--
		Indoor Air/Tier 1 - Shallow	1E-06	3E-03	4E-08	4E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	3E-08	3E-04	--	--
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--
		Indoor Air - Workplace	1E-04	1E+00	2E-05	3E-01
7351-034-043	19	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	2E-07	--	1E-08	--
		Indoor Air/Tier 1 - Shallow	6E-07	8E-03	2E-08	1E-03
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air - Workplace	3E-04	1E+00	2E-05	4E-01
7351-034-045	20	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	1E-07	--	4E-09	--
		Indoor Air/Tier 1 - Shallow	3E-07	4E-03	2E-08	8E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	2E-06	4E-03	--	--
		Indoor Air - Workplace	--	--	--	--
7351-034-047	21	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	--	--	--	--
		Indoor Air/Tier 1 - Shallow	1E-06	3E-03	4E-08	4E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	6E-08	7E-04	--	--
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--
		Indoor Air - Workplace	9E-05	5E-01	1E-05	2E-01
7351-034-052	22	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	2E-09	1E-05	8E-11	1E-06
		Indoor Air/Tier 1 - Shallow	2E-07	1E-03	2E-08	4E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air - Workplace	2E-04	9E-01	2E-05	4E-01
7351-034-057	23	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	2E-05	6E-02	6E-07	8E-03
		Indoor Air/Tier 1 - Shallow	1E-03	3E+00	4E-05	4E-01
		Indoor Air/Tier 1 - Deep	2E-03	4E+00	2E-04	1E+00
		Indoor Air/Tiers 1&2 - Shallow	1E-04	9E-01	4E-06	1E-01
		Indoor Air/Tiers 1&2 - Deep	9E-06	1E-02	7E-07	4E-03
		Indoor Air - Workplace	8E-05	1E-01	2E-05	1E-01

TABLE 20
CUMULATIVE RISK AND HAZARD
COMMERCIAL WORKER EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Commercial Exposure Scenario			
			Reasonable Maximum Exposure (RME)		Central Tendency (CT)	
			Cancer Risk	Hazard Index	Cancer Risk	Hazard Index
7351-034-058	24	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	4E-05	9E-04	4E-07	7E-05
		Indoor Air/Tier 1 - Shallow	1E-04	7E-01	4E-06	8E-02
		Indoor Air/Tier 1 - Deep	3E-02	4E+01	2E-03	1E+01
		Indoor Air/Tiers 1&2 - Shallow	5E-05	5E-01	1E-06	6E-02
		Indoor Air/Tiers 1&2 - Deep	2E-04	5E-01	7E-06	5E-02
		Indoor Air - Workplace	--	--	--	--
7351-034-066	25	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	--	--	--	--
		Indoor Air/Tier 1 - Shallow	2E-08	7E-05	3E-09	5E-05
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	1E-06	2E-03	--	--
		Indoor Air - Workplace	8E-05	5E-01	7E-06	2E-01
7351-034-067	26	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	--	--	--	--
		Indoor Air/Tier 1 - Shallow	4E-09	6E-06	6E-10	3E-06
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air - Workplace	--	--	--	--
7351-034-068	27	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	--	--	--	--
		Indoor Air/Tier 1 - Shallow	--	--	--	--
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	5E-07	5E-03	--	--
		Indoor Air - Workplace	--	--	--	--
7351-034-069	28	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	8E-06	2E-01	1E-07	5E-02
		Indoor Air/Tier 1 - Shallow	2E-06	7E-02	1E-07	1E-02
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	4E-07	6E-02	--	--
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--
		Indoor Air - Workplace	1E-04	1E+00	1E-05	4E-01
7351-034-070	29	Outdoor Surface Soil	2E-05	1E-01	1E-06	4E-02
		Outdoor Shallow Soil	2E-05	1E-01	1E-06	3E-02
		Indoor Air/Tier 1 - Shallow	--	--	--	--
		Indoor Air/Tier 1 - Deep	2E-05	3E-02	9E-07	6E-03
		Indoor Air/Tiers 1&2 - Shallow	--	--	--	--
		Indoor Air/Tiers 1&2 - Deep	7E-08	1E-04	3E-09	2E-05
		Indoor Air - Workplace	--	--	--	--
7351-034-072	30	Outdoor Surface Soil	6E-08	--	5E-09	--
		Outdoor Shallow Soil	3E-06	2E-02	5E-08	9E-03
		Indoor Air/Tier 1 - Shallow	2E-08	3E-04	1E-09	6E-05
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air - Workplace	--	--	--	--
7351-034-073	31	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	--	--	--	--
		Indoor Air/Tier 1 - Shallow	5E-07	1E-03	3E-08	3E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	5E-08	5E-04	--	--
		Indoor Air - Workplace	--	--	--	--

TABLE 20
CUMULATIVE RISK AND HAZARD
COMMERCIAL WORKER EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Commercial Exposure Scenario			
			Reasonable Maximum Exposure (RME)		Central Tendency (CT)	
			Cancer Risk	Hazard Index	Cancer Risk	Hazard Index
7351-034-076	32	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	7E-06	--	1E-07	--
		Indoor Air/Tier 1 - Shallow	4E-08	5E-04	3E-09	2E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	4E-08	4E-04	--	--
		Indoor Air - Workplace	--	--	--	--
7351-034-803	33	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	2E-06	--	9E-08	--
		Indoor Air/Tier 1 - Shallow	--	4E-05	--	3E-05
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	2E-06	3E-02	--	--
		Indoor Air - Workplace	--	--	--	--
7351-034-901	34	Outdoor Surface Soil	2E-05	2E-01	1E-06	4E-02
		Outdoor Shallow Soil	2E-05	2E-01	1E-06	4E-02
		Indoor Air/Tier 1 - Shallow	--	--	--	--
		Indoor Air/Tier 1 - Deep	6E-06	1E-02	4E-07	3E-03
		Indoor Air/Tiers 1&2 - Shallow	--	--	--	--
		Indoor Air/Tiers 1&2 - Deep	2E-08	3E-05	1E-09	9E-06
		Indoor Air/Tiers 1&2 - Groundwater	7E-06	1E-02	--	--
		Indoor Air - Workplace	--	--	--	--
Magellan Drive	35	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	3E-05	3E-03	2E-07	4E-04
		Indoor Air/Tier 1 - Shallow	1E-04	5E-01	4E-06	7E-02
		Indoor Air/Tier 1 - Deep	2E-04	3E-01	3E-05	2E-01
		Indoor Air/Tiers 1&2 - Shallow	8E-06	2E-01	3E-07	3E-02
		Indoor Air/Tiers 1&2 - Deep	6E-07	9E-04	1E-07	6E-04
		Indoor Air/Tiers 1&2 - Groundwater	2E-07	8E-04	--	--
		Indoor Air - Workplace	--	--	--	--
Pacific Gateway (N)	36	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	2E-06	2E-02	8E-08	1E-02
		Indoor Air/Tier 1 - Shallow	1E-07	1E-03	7E-09	4E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air - Workplace	--	--	--	--
Pacific Gateway (S)	37	Outdoor Surface Soil	--	--	--	--
		Outdoor Shallow Soil	2E-08	2E-02	2E-09	8E-03
		Indoor Air/Tier 1 - Shallow	2E-07	1E-03	1E-08	3E-04
		Indoor Air/Tier 1 - Deep	4E-04	6E-01	2E-05	1E-01
		Indoor Air/Tiers 1&2 - Shallow	6E-08	6E-04	3E-09	2E-04
		Indoor Air/Tiers 1&2 - Deep	5E-06	3E-03	3E-07	8E-04
		Indoor Air - Workplace	--	--	--	--

Notes:

" -- " not applicable; no COPCs selected for specified medium

Surface soil (0 to 1' bgs); Shallow soil (0 to 15' bgs)

"Outdoor" Soil Pathway includes Incidental Soil Ingestion, Dermal Contact, and Outdoor Air Inhalation of particulate/VOCs

"Indoor Air/Tier 1" estimated risk from exposure to indoor air concentrations (IACs) predicted using Tier 1 analysis

"Indoor Air/Tiers 1&2" estimated risk from exposure to IACs of Tier 1 non-BTEX VOCs and Tier 2 BTEX results (if Tier 1 risk or hazard = 10^{-6} or 1)

"Indoor Air - Workplace" estimated risk from exposures to measured indoor air concentrations from the Workplace Air Monitoring Study

TABLE 21
CUMULATIVE RISK AND HAZARD
HYPOTHETICAL RESIDENTIAL EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Residential Exposure Scenario			
			Reasonable Maximum Exposure (RME)		Central Tendency (CT)	
			Cancer Risk	Hazard Index	Cancer Risk	Hazard Index
Site-Wide Backgroun	--	Ambient Air	3E-04	2E+00	1E-04	7E-01
7351-031-018	1	Outdoor Shallow Soil	5E-08	2E-01	1E-08	1E-01
		Indoor Air/Tier 1 - Shallow	3E-07	9E-03	1E-08	3E-03
		Indoor Air/Tier 1 - Deep	--	--	--	--
7351-031-020	2	Outdoor Shallow Soil	5E-04	1E+00	7E-06	2E-01
		Indoor Air/Tier 1 - Shallow	2E-07	5E-04	4E-08	3E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	4E-08	4E-04	--	--
7351-031-031	3	Outdoor Shallow Soil	4E-05	7E-01	1E-06	6E-02
		Indoor Air/Tier 1 - Shallow	5E-07	1E-01	6E-08	1E-02
		Indoor Air/Tier 1 - Deep	--	--	--	--
7351-031-007	4	Outdoor Shallow Soil	1E-05	2E-02	7E-07	4E-03
		Indoor Air/Tier 1 - Shallow	--	--	--	--
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	3E-08	4E-04	--	--
7351-033-017	5	Outdoor Shallow Soil	2E-05	3E-01	2E-07	6E-02
		Indoor Air/Tier 1 - Shallow	3E-03	2E+01	4E-05	9E-01
		Indoor Air/Tier 1 - Deep	8E-03	2E+01	4E-04	4E+00
		Indoor Air/Tiers 1&2 - Shallow	2E-04	1E+01	1E-06	5E-01
		Indoor Air/Tiers 1&2 - Deep	2E-05	7E-01	1E-06	5E-01
7351-033-022	6	Outdoor Shallow Soil	8E-05	3E-01	6E-07	7E-03
		Indoor Air/Tier 1 - Shallow	1E-02	3E+01	9E-05	8E-01
		Indoor Air/Tier 1 - Deep	4E-04	2E+00	3E-05	4E-01
		Indoor Air/Tiers 1&2 - Shallow	2E-04	5E-01	2E-06	1E-02
		Indoor Air/Tiers 1&2 - Deep	1E-06	9E-03	8E-08	1E-03
7351-033-024	7	Outdoor Shallow Soil	7E-05	1E+00	3E-06	2E-01
		Indoor Air/Tier 1 - Shallow	1E-03	3E+01	1E-05	2E+00
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	7E-05	3E+01	8E-07	2E+00
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--
7351-033-026	8	Outdoor Shallow Soil	2E-06	9E-03	3E-08	3E-04
		Indoor Air/Tier 1 - Shallow	4E-04	1E+00	5E-06	4E-02
		Indoor Air/Tier 1 - Deep	4E-04	1E+00	8E-06	7E-02
		Indoor Air/Tiers 1&2 - Shallow	6E-06	2E-02	7E-08	1E-03
		Indoor Air/Tiers 1&2 - Deep	1E-06	3E-03	2E-08	2E-04
7351-033-027	9	Outdoor Shallow Soil	1E-05	4E-02	2E-07	2E-03
		Indoor Air/Tier 1 - Shallow	2E-03	4E+00	3E-05	3E-01
		Indoor Air/Tier 1 - Deep	4E-03	1E+01	8E-05	7E-01
		Indoor Air/Tiers 1&2 - Shallow	3E-05	7E-02	5E-07	5E-03
		Indoor Air/Tiers 1&2 - Deep	1E-05	3E-02	3E-07	3E-03
7351-033-030	10	Outdoor Shallow Soil	2E-08	3E+00	3E-09	3E-01
		Indoor Air/Tier 1 - Shallow	5E-08	3E-04	4E-09	1E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	2E-08	3E-04	--	--
7351-033-034	11	Outdoor Shallow Soil	8E-05	9E-01	4E-06	3E-01
		Indoor Air/Tier 1 - Shallow	6E-03	2E+01	2E-04	1E+00
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	1E-04	3E-01	2E-06	2E-02
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--
7351-033-040	12	Outdoor Shallow Soil	4E-05	7E-01	3E-06	2E-01
		Indoor Air/Tier 1 - Shallow	2E-07	6E-04	4E-08	3E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	2E-08	3E-04	--	--

TABLE 21
CUMULATIVE RISK AND HAZARD
HYPOTHETICAL RESIDENTIAL EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Residential Exposure Scenario			
			Reasonable Maximum Exposure (RME)		Central Tendency (CT)	
			Cancer Risk	Hazard Index	Cancer Risk	Hazard Index
7351-033-045	13	Outdoor Shallow Soil	5E-05	1E+00	4E-06	3E-01
		Indoor Air/Tier 1 - Shallow	2E-07	2E-03	3E-08	1E-03
		Indoor Air/Tier 1 - Deep	--	--	--	--
7351-033-009	14	Outdoor Shallow Soil	2E-07	1E+01	9E-09	2E+00
		Indoor Air/Tier 1 - Shallow	3E-07	2E-02	4E-08	1E-02
		Indoor Air/Tier 1 - Deep	--	--	--	--
7351-033-900	15	Outdoor Shallow Soil	1E-05	4E-02	2E-06	2E-02
		Indoor Air/Tier 1 - Shallow	1E-03	4E+00	3E-04	2E+00
		Indoor Air/Tier 1 - Deep	2E-01	4E+02	4E-03	3E+01
		Indoor Air/Tiers 1&2 - Shallow	2E-05	6E-02	4E-06	4E-02
		Indoor Air/Tiers 1&2 - Deep	5E-04	1E+00	1E-05	1E-01
		Indoor Air/Tiers 1&2 - Groundwater	9E-05	2E-01	--	--
7351-034-015, -050,-056	16	Outdoor Shallow Soil	2E-03	1E+01	1E-05	2E-01
		Indoor Air/Tier 1 - Shallow	1E-01	8E+02	3E-04	8E+00
		Indoor Air/Tier 1 - Deep	2E-03	6E+00	5E-05	5E-01
		Indoor Air/Tiers 1&2 - Shallow	4E-02	5E+02	1E-04	5E+00
		Indoor Air/Tiers 1&2 - Deep	1E-05	2E-01	4E-07	4E-02
7351-034-039	17	Outdoor Shallow Soil	7E-06	3E-02	1E-07	1E-03
		Indoor Air/Tier 1 - Shallow	1E-03	3E+00	2E-05	2E-01
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	2E-05	9E-02	3E-07	1E-02
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--
7351-034-041	18	Outdoor Shallow Soil	--	--	--	--
		Indoor Air/Tier 1 - Shallow	2E-05	8E-02	3E-07	4E-03
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	5E-07	5E-03	--	--
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--
7351-034-043	19	Outdoor Shallow Soil	6E-07	--	7E-08	--
		Indoor Air/Tier 1 - Shallow	4E-06	8E-02	2E-07	1E-02
		Indoor Air/Tier 1 - Deep	--	--	--	--
7351-034-045	20	Outdoor Shallow Soil	3E-07	--	2E-08	--
		Indoor Air/Tier 1 - Shallow	2E-06	4E-02	1E-07	9E-03
		Indoor Air/Tier 1 - Deep	--	--	--	--
7351-034-047	21	Indoor Air/Tiers 1&2 - Groundwater	1E-05	3E-02	--	--
		Outdoor Shallow Soil	--	--	--	--
		Indoor Air/Tier 1 - Shallow	2E-05	6E-02	3E-07	5E-03
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	7E-07	1E-02	--	--
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--
7351-034-052	22	Outdoor Shallow Soil	4E-09	8E-05	2E-10	1E-05
		Indoor Air/Tier 1 - Shallow	2E-06	1E-02	1E-07	5E-03
		Indoor Air/Tier 1 - Deep	--	--	--	--
7351-034-057	23	Outdoor Shallow Soil	9E-04	7E+00	2E-06	4E-02
		Indoor Air/Tier 1 - Shallow	1E-01	5E+02	3E-04	5E+00
		Indoor Air/Tier 1 - Deep	4E-02	1E+02	1E-03	1E+01
		Indoor Air/Tiers 1&2 - Shallow	1E-02	1E+02	3E-05	1E+00
		Indoor Air/Tiers 1&2 - Deep	2E-04	4E-01	5E-06	4E-02
7351-034-058	24	Outdoor Shallow Soil	1E-04	2E-02	2E-06	6E-04
		Indoor Air/Tier 1 - Shallow	3E-03	2E+01	3E-05	9E-01
		Indoor Air/Tier 1 - Deep	2E-01	4E+02	2E-02	2E+02
		Indoor Air/Tiers 1&2 - Shallow	7E-04	1E+01	1E-05	7E-01
		Indoor Air/Tiers 1&2 - Deep	2E-03	5E+00	6E-05	6E-01
7351-034-066	25	Outdoor Shallow Soil	--	--	--	--
		Indoor Air/Tier 1 - Shallow	1E-07	7E-04	2E-08	5E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	6E-06	2E-02	--	--

TABLE 21
CUMULATIVE RISK AND HAZARD
HYPOTHETICAL RESIDENTIAL EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Residential Exposure Scenario			
			Reasonable Maximum Exposure (RME)		Central Tendency (CT)	
			Cancer Risk	Hazard Index	Cancer Risk	Hazard Index
7351-034-067	26	Outdoor Shallow Soil	--	--	--	--
		Indoor Air/Tier 1 - Shallow	4E-08	9E-05	5E-09	4E-05
		Indoor Air/Tier 1 - Deep	--	--	--	--
7351-034-068	27	Outdoor Shallow Soil	--	--	--	--
		Indoor Air/Tier 1 - Shallow	--	--	--	--
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	2E-06	4E-02	--	--
7351-034-069	28	Outdoor Shallow Soil	9E-05	2E+00	8E-07	7E-01
		Indoor Air/Tier 1 - Shallow	1E-04	4E+00	1E-06	1E-01
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	3E-05	4E+00	--	--
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--
7351-034-070	29	Outdoor Shallow Soil	8E-05	2E+00	6E-06	4E-01
		Indoor Air/Tier 1 - Shallow	--	--	--	--
		Indoor Air/Tier 1 - Deep	2E-04	4E-01	7E-06	6E-02
		Indoor Air/Tiers 1&2 - Shallow	--	--	--	--
		Indoor Air/Tiers 1&2 - Deep	5E-07	1E-03	2E-08	2E-04
7351-034-072	30	Outdoor Shallow Soil	9E-06	2E-01	3E-07	1E-01
		Indoor Air/Tier 1 - Shallow	3E-07	5E-03	9E-09	6E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
7351-034-073	31	Outdoor Shallow Soil	--	--	--	--
		Indoor Air/Tier 1 - Shallow	4E-06	1E-02	3E-07	3E-03
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	6E-08	5E-04	--	--
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	2E-07	4E-03	--	--
7351-034-076	32	Outdoor Shallow Soil	2E-05	--	6E-07	--
		Indoor Air/Tier 1 - Shallow	3E-07	5E-03	3E-08	2E-03
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	2E-07	3E-03	--	--
7351-034-803	33	Outdoor Shallow Soil	7E-06	--	5E-07	--
		Indoor Air/Tier 1 - Shallow	--	4E-04	--	3E-04
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Groundwater	1E-05	2E-01	--	--
7351-034-901	34	Outdoor Shallow Soil	9E-05	2E+00	6E-06	5E-01
		Indoor Air/Tier 1 - Shallow	--	--	--	--
		Indoor Air/Tier 1 - Deep	5E-05	1E-01	3E-06	3E-02
		Indoor Air/Tiers 1&2 - Shallow	--	--	--	--
		Indoor Air/Tiers 1&2 - Deep	2E-07	4E-04	1E-08	9E-05
		Indoor Air/Tiers 1&2 - Groundwater	3E-05	1E-01	--	--
Magellan Drive	35	Outdoor Shallow Soil	1E-04	7E-02	1E-06	2E-03
		Indoor Air/Tier 1 - Shallow	3E-03	2E+01	3E-05	8E-01
		Indoor Air/Tier 1 - Deep	1E-03	3E+00	3E-04	2E+00
		Indoor Air/Tiers 1&2 - Shallow	2E-04	6E+00	2E-06	3E-01
		Indoor Air/Tiers 1&2 - Deep	4E-06	9E-03	8E-07	7E-03
		Indoor Air/Tiers 1&2 - Groundwater	1E-06	6E-03	--	--
Pacific Gateway (N)	36	Outdoor Shallow Soil	6E-06	3E-01	5E-07	1E-01
		Indoor Air/Tier 1 - Shallow	1E-06	2E-02	6E-08	5E-03
		Indoor Air/Tier 1 - Deep	--	--	--	--
		Indoor Air/Tiers 1&2 - Shallow	3E-07	1E-02	--	--
		Indoor Air/Tiers 1&2 - Deep	--	--	--	--

TABLE 21
CUMULATIVE RISK AND HAZARD
HYPOTHETICAL RESIDENTIAL EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Residential Exposure Scenario			
			Reasonable Maximum Exposure (RME)		Central Tendency (CT)	
			Cancer Risk	Hazard Index	Cancer Risk	Hazard Index
Pacific Gateway (S)	37	Outdoor Shallow Soil	5E-08	2E-01	8E-09	1E-01
		Indoor Air/Tier 1 - Shallow	2E-06	2E-02	8E-08	3E-03
		Indoor Air/Tier 1 - Deep	2E-03	6E+00	2E-04	2E+00
		Indoor Air/Tiers 1&2 - Shallow	5E-07	1E-02	2E-08	2E-03
		Indoor Air/Tiers 1&2 - Deep	3E-05	3E-02	2E-06	9E-03

Notes:
" -- " not applicable; no COPCs selected for specified medium
"Outdoor Shallow Soil" Pathway includes Incidental Ingestion, Dermal Contact, and Outdoor Air Inhalation of particulate/VOCs in soils 0 to 15' bgs
Indoor Air Pathway includes Indoor Air Inhalation of VOC concentrations estimated using the J&E model
"Indoor Air/Tier 1" estimated risk from exposure to indoor air concentrations (IACs) predicted using Tier 1 analysis
"Indoor Air/Tiers 1&2" estimated risk from exposure to IACs of Tier 1 non-BTEX VOCs and Tier 2 BTEX results (if Tier 1 risk or hazard= 10^{-6} or 1)

TABLE 22
CUMULATIVE RISK AND HAZARD
TRENCH WORKER EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Trench Worker Exposure Scenario	
		Reasonable Maximum Exposure (RME)	
		Cancer Risk	Hazard Index
Site-Wide Background	--	3E-06	3E-01
7351-031-018	1	1E-10	4E-03
7351-031-020	2	1E-06	2E-02
7351-031-031	3	9E-08	1E-02
7351-031-007	4	2E-08	4E-04
7351-033-017	5	6E-08	1E-02
7351-033-022	6	3E-07	1E-02
7351-033-024	7	2E-07	3E-02
7351-033-026	8	9E-09	4E-04
7351-033-027	9	4E-08	2E-03
7351-033-030	10	5E-11	5E-02
7351-033-034	11	2E-07	2E-02
7351-033-040	12	9E-08	2E-02
7351-033-045	13	1E-07	2E-02
7351-033-009	14	4E-10	3E-01
7351-033-900	15	4E-08	2E-03
7351-034-015,-050,-056	16	5E-06	5E-01
7351-034-039	17	3E-08	1E-03
7351-034-041	18	--	--
7351-034-043	19	1E-09	--
7351-034-045	20	8E-10	--
7351-034-047	21	--	--
7351-034-052	22	2E-11	2E-06
7351-034-057	23	3E-06	3E-01
7351-034-058	24	3E-07	5E-04
7351-034-066	25	--	--
7351-034-067	26	--	--
7351-034-068	27	--	--
7351-034-069	28	2E-07	5E-02
7351-034-070	29	2E-07	4E-02
7351-034-072	30	2E-08	5E-03
7351-034-073	31	--	--
7351-034-076	32	6E-08	--
7351-034-803	33	2E-08	--
7351-034-901	34	2E-07	4E-02
Magellan Drive	35	3E-07	3E-03
Pacific Gateway (N)	36	1E-08	6E-03
Pacific Gateway (S)	37	1E-10	5E-03

Notes:

" -- " not applicable; no COPCs selected for shallow soil medium

Only the outdoor soil pathway (shallow soil: 0 to 15' bgs) was evaluated for the trench worker:

Incidental Soil Ingestion, Dermal Contact, and Outdoor Air Inhalation of particulate/VOCs

TABLE 23
COPCs CONTRIBUTING TO MAJORITY OF RISK AND HAZARD
COMMERCIAL WORKER EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Exposure Pathway of Concern	Commercial Exposure Scenario									
				COPC Cancer Risk Drivers (1)	Data Type	Model Type	Chemical-Specific Cancer Risk	Total Cancer Risk	COPC Noncancer Hazard Drivers (2)	Data Type	Model Type	Chemical-Specific Noncancer HI	Total Noncancer Hazard
Site-Wide Background	--	Ambient Air/Outdoor	Inhalation	Benzene	UCL	--	4.2E-05	**5E-05**	*	*	--	*	**2E-01**
				Tetrachloroethene	UCL	--	5.9E-06						
7351-031-018	1	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	*	*	*	--	*	*	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-031-020	2	Outdoor Surface Soil	Ingestion/Dermal	Benzo(a)pyrene	Max	--	5.9E-06	**7E-06**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	
		Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	UCL	--	6.8E-06	**1E-04**	*	*	--	*	*
				Benzo(a)anthracene	UCL	--	1.9E-06						
				Benzo(a)pyrene	Max	--	1.0E-04						
				Benzo(b)fluoranthene	Max	--	7.8E-06						
				Benzo(k)fluoranthene	UCL	--	3.8E-06						
				Indeno(1,2,3-cd)pyrene	Max	--	1.5E-05						
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-031-031	3	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	UCL	--	3.2E-06	**4E-06**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-031-007	4	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)pyrene	Max	--	1.9E-06	**3E-06**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Workplace	Inhalation	Benzene	UCL	IAC	2.4E-04	**3E-04**	Benzene	UCL	IAC	3.9E-01	**1E+00**
				Methylene Chloride	UCL	IAC	2.6E-06		Tetrachloroethene	UCL	IAC	7.3E-01	
				Tetrachloroethene	UCL	IAC	5.5E-05		Toluene	UCL	IAC	1.3E-01	
				Trichloroethene	UCL	IAC	1.8E-06						
7351-033-017	5	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	*	*	*	--	*	*	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	Tetrachloroethene	UCL/dl	Tier 1	1.1E-06	**2E-06**	1,2,4 Trimethylbenzene	UCL	Tier 1	1.4E-01	**3E-01**

TABLE 23
COPCs CONTRIBUTING TO MAJORITY OF RISK AND HAZARD
COMMERCIAL WORKER EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Exposure Pathway of Concern	Commercial Exposure Scenario									
				COPC Cancer Risk Drivers (1)	Data Type	Model Type	Chemical-Specific Cancer Risk	Total Cancer Risk	COPC Noncancer Hazard Drivers (2)	Data Type	Model Type	Chemical-Specific Noncancer HI	Total Noncancer Hazard
7351-033-022	6	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	*	*	--	*	**3E-06**	*	*	--	*	*
			Inhalation	Benzene	UCL	--	3.2E-06		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	UCL	Tier 2	3.7E-06	**4E-06**	*	*	*	*	*
7351-033-024	7	Outdoor Surface Soil	**--**	**--**	**--**	**--**	**--**	**--**	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	UCL	--	5.9E-06	**8E-06**	*	*	--	*	*
				Benzo(a)pyrene	UCL/dl	--	1.6E-06						
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Tetrachloroethene	UCL/dl	Tier 1	1.6E-06	**2E-06**	1,2,4 Trimethylbenzene	UCL	Tier 1	1.6E-01	**1E+00**
									Isopropylbenzene	UCL	Tier 1	3.0E-01	
									p-Isopropyltoluene	UCL	Tier 1	4.7E-01	
7351-033-026	8	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	*	*	*	--	*	*	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-033-027	9	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	*	*	--	*	**1E-06**	*	*	--	*	*
			Inhalation	Benzene	UCL	--	1.2E-06		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	UCL	Tier 2	1.4E-06	**1E-06**	*	*	*	*	*
7351-033-030	10	Outdoor Surface Soil	*	*	*	--	*	*	*	*	--	*	*
		Outdoor Shallow Soil	*	*	*	--	*	*	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-033-034	11	Outdoor Surface Soil	Ingestion/Dermal	Arsenic	Max	--	8.8E-06	**9E-06**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	
		Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	Max	--	8.8E-06	**2E-05**	*	*	--	*	*
			Inhalation	Benzene	UCL	--	6.1E-06		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	UCL	Tier 2	7.0E-06	**7E-06**	*	*	*	*	*
7351-033-040	12	Outdoor Surface Soil	Ingestion/Dermal	Arsenic	Max	--	8.8E-06	**9E-06**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	*
		Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	Max	--	8.8E-06	**9E-06**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*

TABLE 23
COPCs CONTRIBUTING TO MAJORITY OF RISK AND HAZARD
COMMERCIAL WORKER EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Exposure Pathway of Concern	Commercial Exposure Scenario									
				COPC Cancer Risk Drivers (1)	Data Type	Model Type	Chemical-Specific Cancer Risk	Total Cancer Risk	COPC Noncancer Hazard Drivers (2)	Data Type	Model Type	Chemical-Specific Noncancer HI	Total Noncancer Hazard
7351-033-045	13	Outdoor Surface Soil	Ingestion/Dermal	Arsenic	Max	--	8.8E-06	**9E-06**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	
		Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	Max	--	1.1E-05	**1E-05**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-033-009	14	Outdoor Surface Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	*	*	--	*	*	Copper	UCL	--	9.3E-01	**1E+00**
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-033-900	15	Outdoor Surface Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	*	*	--	*	**4E-06**	*	*	--	*	*
			Inhalation	Benzene	Max	--	3.4E-06		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	Max	Tier 2	3.0E-05	**3E-05**	*	*	*	*	*
7351-034-015, -050,-056	16	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	4,4'-DDT	Max	--	1.1E-06	**1E-04**	*	*	--	*	*
				Benzo(a)pyrene	UCL/dl	--	5.8E-05						
				Dibenzo(a,h)anthracene	UCL/dl	--	3.9E-05						
				N-Nitrosodiphenylamine	Max	--	1.5E-06						
				Tetrachloroethene	UCL/dl	--	3.5E-06						
			Inhalation	Benzene	UCL/dl	--	1.1E-05		*	*	--	*	
				Tetrachloroethene	UCL/dl	--	2.5E-06						
		Indoor Air - Modeled	Inhalation	Benzene	UCL/dl	Tier 2	1.2E-05	**4E-04**	1,2,4 Trimethylbenzene	UCL/dl	Tier 1	1.1E-01	**3E+00**
				Chloroform	UCL/dl	Tier 1	2.0E-04		Chloroform	UCL/dl	Tier 1	3.4E-01	
				Tetrachloroethene	UCL/dl	Tier 1	1.8E-04		Styrene	UCL	Tier 1	2.2E-01	
				Trichloroethene	UCL/dl	Tier 1	3.7E-05		Tetrachloroethene	UCL/dl	Tier 1	2.4E+00	
7351-034-039	17	Outdoor Surface Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Outdoor Shallow Soil	*	*	*	--	*	*	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-041	18	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*

TABLE 23
COPCs CONTRIBUTING TO MAJORITY OF RISK AND HAZARD
COMMERCIAL WORKER EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Exposure Pathway of Concern	Commercial Exposure Scenario									
				COPC Cancer Risk Drivers (1)	Data Type	Model Type	Chemical-Specific Cancer Risk	Total Cancer Risk	COPC Noncancer Hazard Drivers (2)	Data Type	Model Type	Chemical-Specific Noncancer HI	Total Noncancer Hazard
7351-034-043	19	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	*	*	*	--	*	*	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-045	20	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	*	*	*	--	*	*	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-047	21	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-052	22	Outdoor Surface Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Outdoor Shallow Soil	*	*	*	--	*	*	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-057	23	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	*	*	--	*	**2E-05**	*	*	--	*	*
			Inhalation	Benzene	UCL	--	1.3E-05		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	UCL	Tier 2	1.5E-05	**1E-04**	Acetone	DL	Tier 1	1.1E-01	**9E-01**
				Chloroform	UCL/dl	Tier 1	3.9E-05		Tetrachloroethene	UCL/dl	Tier 1	6.0E-01	
				Tetrachloroethene	UCL/dl	Tier 1	4.5E-05						
				Trichloroethene	UCL/dl	Tier 1	9.0E-06						
7351-034-058	24	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)pyrene	DL	--	3.9E-05	**4E-05**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	UCL/dl	Tier 2	1.3E-06	**5E-05**	Tetrachloroethene	UCL/dl	Tier 1	4.9E-01	**5E-01**
				Tetrachloroethene	UCL/dl	Tier 1	3.7E-05						
				Trichloroethene	UCL/dl	Tier 1	7.5E-06						
7351-034-066	25	Outdoor Surface Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Outdoor Shallow Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-067	26	Outdoor Surface Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Outdoor Shallow Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*

TABLE 23
COPCs CONTRIBUTING TO MAJORITY OF RISK AND HAZARD
COMMERCIAL WORKER EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Exposure Pathway of Concern	Commercial Exposure Scenario									
				COPC Cancer Risk Drivers (1)	Data Type	Model Type	Chemical-Specific Cancer Risk	Total Cancer Risk	COPC Noncancer Hazard Drivers (2)	Data Type	Model Type	Chemical-Specific Noncancer HI	Total Noncancer Hazard
7351-034-068	27	No Applicable Media	--	--	--	--	--	**--**	--	--	--	--	**--**
7351-034-069	28	Outdoor Surface Soil	--	--	--	--	--	--	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)pyrene	UCL	--	4.8E-06	**8E-06**	Thallium	Max	--	1.6E-01	**2E-01**
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-070	29	Outdoor Surface Soil	Ingestion/Dermal	Arsenic	Max	--	1.9E-05	**2E-05**	Arsenic	Max	--	1.2E-01	**1E-01**
			Inhalation	*	*	--	*		*	*	--	*	
		Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	Max	--	1.9E-05	**2E-05**	Arsenic	Max	--	1.2E-01	**1E-01**
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-072	30	Outdoor Surface Soil	*	*	*	--	*	*	*	*	--	*	*
		Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)pyrene	Max	--	1.7E-06	**3E-06**	*	*	--	*	*
			Inhalation	*	*	--	*	*	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-073	31	Outdoor Surface Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Outdoor Shallow Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-076	32	Outdoor Surface Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)pyrene	Max	--	5.8E-06	**7E-06**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-803	33	Outdoor Surface Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)pyrene	Max	--	2.0E-06	**2E-06**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*

TABLE 23
COPCs CONTRIBUTING TO MAJORITY OF RISK AND HAZARD
COMMERCIAL WORKER EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Exposure Pathway of Concern	Commercial Exposure Scenario									
				COPC Cancer Risk Drivers (1)	Data Type	Model Type	Chemical-Specific Cancer Risk	Total Cancer Risk	COPC Noncancer Hazard Drivers (2)	Data Type	Model Type	Chemical-Specific Noncancer HI	Total Noncancer Hazard
7351-034-901	34	Outdoor Surface Soil	Ingestion/Dermal	Arsenic	Max	--	1.9E-05	**2E-05**	Arsenic	Max	--	1.2E-01	**2E-01**
		Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	Max	--	1.9E-05	**2E-05**	Arsenic	Max	--	1.2E-01	**2E-01**
				4,4'-DDT	Max	--	1.3E-06						
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
Magellan Drive	35	Outdoor Surface Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)anthracene	Max	--	3.0E-06	**3E-05**	*	*	--	*	*
				Benzo(a)pyrene	Max	--	2.0E-05						
				Benzo(k)fluoranthene	Max	--	1.1E-06						
			Inhalation	Benzene	UCL	--	1.7E-06		*	*	--	*	*
		Indoor Air - Modeled	Inhalation	Benzene	UCL	Tier 2	1.9E-06	**8E-06**	Isopropylbenzene	UCL/dl	Tier 1	1.2E-01	**2E-01**
				Tetrachloroethene	UCL/dl	Tier 1	5.8E-06						
Pacific Gateway (N)	36	Outdoor Surface Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Outdoor Shallow Soil	*	*	*	--	*	**2E-06**	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
Pacific Gateway (S)	37	Outdoor Surface Soil	--	--	--	--	--	**--**	--	--	--	--	**--**
		Outdoor Shallow Soil	*	*	*	--	*	*	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*

Notes:

(1) Chemicals listed have a Cancer Risk above 10^{-6}

(2) Chemicals listed have a Hazard Quotient above 0.1

Surface soil (0 to 1' bgs); Shallow soil (0 to 15' bgs)

" -- " not applicable; no COPCs selected for specified medium; " * " Cancer Risk is below 10^{-6} or the Noncancer Hazard is below 0.1

"Outdoor" Soil Pathway includes Incidental Soil Ingestion, Dermal Contact, and Outdoor Air Inhalation of particulate/VOCs

"Data Type" Maximum detected (Max), 95% upper confidence limit (UCL), or 1/2 the detection limit (DL) used as the EPC to calculate risk/hazard

"UCL/dl" The EPC used to estimate risk/hazard was based on an upper confidence limit which was biased higher due to an elevated detection limit

"Model Type" The risk/hazard was estimated using measured indoor air concentrations (IAC) from the Workplace Air Monitoring Study, Tier 1 J&E analysis, or the Tier 2 DLM analysis

TABLE 24
COPCs CONTRIBUTING TO MAJORITY OF RISK AND HAZARD
HYPOTHETICAL RESIDENTIAL EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Exposure Pathway of Concern	Residential Exposure Scenario									
				COPC Cancer Risk Drivers (1)	Data Type	Model Type	Chemical-Specific Cancer Risk	Total Cancer Risk	COPC Noncancer Hazard Drivers (2)	Data Type	Model Type	Chemical-Specific Noncancer Hazard	Total Noncancer Hazard
Site-Wide Background	--	Ambient Air/Outdoor	Inhalation	Benzene	Max	--	2.5E-04	**3E-04**	1,1,1-Trichloroethane	Max	--	2.1E-01	**2E+00**
				Chloroform	Max	--	3.4E-06		Benzene	Max	--	6.2E-01	
				Methylene chloride	Max	--	4.5E-06		Tetrachloroethene	Max	--	7.4E-01	
				Tetrachloroethene	Max	--	3.6E-05		Toluene	Max	--	3.9E-01	
				Trichloroethene	Max	--	7.3E-06		Xylenes	Max	--	1.7E-01	
7351-031-018	1	Outdoor Shallow Soil	Ingestion/Dermal	*	*	--	*	*	Cadmium	Max	--	1.9E-01	**2E-01**
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-031-020	2	Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	Max	--	3.6E-05	**5E-04**	Arsenic	Max	--	6.5E-01	**1E+00**
				Benzo(a)anthracene	Max	--	1.3E-05		Mercury	Max	--	1.3E-01	
				Benzo(a)pyrene	Max	--	3.4E-04		Thallium	Max	--	2.3E-01	
				Benzo(b)fluoranthene	Max	--	2.6E-05						
				Benzo(k)fluoranthene	Max	--	1.8E-05						
				Chrysene	Max	--	1.7E-06						
				Dibenzo(a,h)anthracene	Max	--	1.5E-05						
				Indeno(1,2,3-cd)pyrene	Max	--	5.0E-05						
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-031-031	3	Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	Max	--	3.1E-05	**4E-05**	Arsenic	Max	--	5.6E-01	**7E-01**
				Arochlor 1260	Max	--	4.7E-06						
			Inhalation	Chromium (total)	Max	--	1.4E-06		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	Isopropylbenzene	Max	Tier 1	1.1E-01	**1E-01**
7351-031-007	4	Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)pyrene	Max	--	6.6E-06	**1E-05**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	--	--	--	--	--	--	--	--	--	--
7351-033-017	5	Outdoor Shallow Soil	Ingestion/Dermal	Benzene	Max	--	1.2E-06	**2E-05**	Vanadium	Max	--	1.2E-01	**3E-01**
			Inhalation	Benzene	Max	--	1.5E-05		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	Max	Tier 2	4.1E-05	**2E-04**	1,2,4-Trimethylbenzene	Max	Tier 1	3.7E+00	**1E+01**
				Tetrachloroethene	DL	Tier 1	1.6E-04		Benzene	Max	Tier 2	1.0E-01	
				Trichloroethene	DL	Tier 1	3.3E-05		Carbon Disulfide	DL	Tier 1	1.4E+00	
									Cyclohexane	Max	Tier 1	4.8E+00	
									n-Heptane	Max	Tier 1	1.2E-01	
									Tetrachloroethene	DL	Tier 1	3.3E+00	
									Trichloroethene	DL	Tier 1	1.2E-01	

TABLE 24
COPCs CONTRIBUTING TO MAJORITY OF RISK AND HAZARD
HYPOTHETICAL RESIDENTIAL EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Exposure Pathway of Concern	Residential Exposure Scenario									
				COPC Cancer Risk Drivers (1)	Data Type	Model Type	Chemical-Specific Cancer Risk	Total Cancer Risk	COPC Noncancer Hazard Drivers (2)	Data Type	Model Type	Chemical-Specific Noncancer Hazard	Total Noncancer Hazard
7351-033-022	6	Outdoor Shallow Soil	Ingestion/Dermal	Benzene	Max	--	6.1E-06	**8E-05**	Benzene	Max	--	1.2E-01	**3E-01**
			Inhalation	Benzene	Max	--	7.4E-05		Benzene	Max	--	1.9E-01	
		Indoor Air - Modeled	Inhalation	Benzene	Max	Tier 2	2.0E-04	**2E-04**	Benzene	Max	Tier 2	5.1E-01	**5E-01**
7351-033-024	7	Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	Max	--	4.9E-05	**7E-05**	Arsenic	Max	--	8.9E-01	**1E+00**
				Benzo(a)anthracene	Max	--	1.1E-06						
				Benzo(a)pyrene	DL	--	6.6E-06						
			Inhalation	Benzene	Max	--	6.8E-06		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	Max	Tier 2	1.9E-05	**7E-05**	1,2,4-Trimethylbenzene	Max	Tier 1	5.0E+00	**3E+01**
				Tetrachloroethene	DL	Tier 1	5.3E-05		1,3,5-Trimethylbenzene	Max	Tier 1	6.5E-01	
									Isopropylbenzene	Max	Tier 1	7.9E+00	
									p-Isopropyltoluene	Max	Tier 1	1.3E+01	
									Naphthalene	Max	Tier 1	2.5E-01	
									Tetrachloroethene	DL	Tier 1	1.1E+00	
7351-033-026	8	Outdoor Shallow Soil	Ingestion/Dermal	*	*	--	*	**2E-06**	*	*	--	*	*
			Inhalation	Benzene	Max	--	2.2E-06		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	Max	Tier 2	6.2E-06	**6E-06**	*	*	*	*	*
7351-033-027	9	Outdoor Shallow Soil	Ingestion/Dermal	*	*	--	*	**1E-05**	*	*	--	*	*
			Inhalation	Benzene	Max	--	1.0E-05		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	Max	Tier 2	2.8E-05	**3E-05**	*	*	*	*	*
7351-033-030	10	Outdoor Shallow Soil	Ingestion/Dermal	*	*	--	*	*	Copper	Max	--	1.9E+00	**3E+00**
									Thallium	DL	--	4.9E-01	
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-033-034	11	Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	Max	--	3.6E-05	**8E-05**	Arsenic	Max	--	6.5E-01	**9E-01**
				Benzene	Max	--	2.9E-06						
			Inhalation	Benzene	Max	--	3.6E-05		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	Max	Tier 2	9.9E-05	**1E-04**	Benzene	Max	Tier 2	2.5E-01	**3E-01**
7351-033-040	12	Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	Max	--	3.6E-05	**4E-05**	Arsenic	Max	--	6.5E-01	**7E-01**
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-033-045	13	Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	Max	--	4.5E-05	**5E-05**	Arsenic	Max	--	8.1E-01	**1E+00**
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*

TABLE 24
COPCs CONTRIBUTING TO MAJORITY OF RISK AND HAZARD
HYPOTHETICAL RESIDENTIAL EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Exposure Pathway of Concern	Residential Exposure Scenario									
				COPC Cancer Risk Drivers (1)	Data Type	Model Type	Chemical-Specific Cancer Risk	Total Cancer Risk	COPC Noncancer Hazard Drivers (2)	Data Type	Model Type	Chemical-Specific Noncancer Hazard	Total Noncancer Hazard
7351-033-009	14	Outdoor Shallow Soil	Ingestion/Dermal	*	*	--	*	*	Copper	Max	--	1.3E+01	1E+01
									Thallium	Max	--	1.0E+00	
									Vanadium	Max	--	1.4E-01	
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-033-900	15	Outdoor Shallow Soil	Ingestion/Dermal	*	*	--	*	1E-05	*	*	--	*	*
			Inhalation	Benzene	Max	--	8.8E-06		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	Max	Tier 2	5.3E-04	5E-04	Benzene	Max	Tier 2	1.3E+00	1E+00
7351-034-015, -050,-056	16	Outdoor Shallow Soil	Ingestion/Dermal	4,4'-DDT	Max	--	4.3E-06	2E-03	Cadmium	Max	--	1.8E-01	1E+01
				Arochlor 1260	Max	--	1.1E-06		4,4'-DDT	Max	--	2.1E-01	
				Benzo(a)pyrene	DL	--	5.3E-04		N-Nitrosodiphenylamine	Max	--	2.3E-01	
				Dibenzo(a,h)anthracene	DL	--	3.6E-04		Benzene	DL	--	8.2E-01	
				N-Nitrosodiphenylamine	Max	--	5.2E-06		Ethylbenzene	Max	--	2.0E+00	
				Benzene	DL	--	4.1E-05		Styrene	Max	--	1.2E+00	
				Tetrachloroethene	DL	--	2.2E-04		Tetrachloroethene	DL	--	3.3E-01	
				Trichloroethene	DL	--	5.4E-06		Trichloroethene	DL	--	5.5E-01	
			Inhalation	Benzene	DL	--	5.0E-04		Benzene	DL	--	1.3E+00	
				Tetrachloroethene	DL	--	1.2E-04		Ethylbenzene	Max	--	1.2E+00	
				Trichloroethene	DL	--	3.0E-05		Styrene	Max	--	1.3E+00	
									Tetrachloroethene	DL	--	2.4E+00	
									Trichloroethene	DL	--	1.1E-01	
		Indoor Air - Modeled	Inhalation	Benzene	DL	Tier 2	1.4E-03	4E-02	1,2,4-Trimethylbenzene	DL	Tier 1	6.4E+00	5E+02
				Chloroform	DL	Tier 1	1.7E-02		1,3,5-Trimethylbenzene	DL	Tier 1	8.4E-01	
				Tetrachloroethene	DL	Tier 1	2.1E-02		Acetone	DL	Tier 1	4.5E+00	
				Trichloroethene	DL	Tier 1	4.4E-03		Benzene	DL	Tier 2	3.5E+00	
									Chloroform	DL	Tier 1	4.4E+01	
									Ethylbenzene	Max	Tier 2	2.2E+00	
									Styrene	Max	Tier 1	4.3E+00	
									Tetrachloroethene	DL	Tier 1	4.4E+02	
									Toluene	DL	Tier 2	4.7E-01	
									Trichloroethene	DL	Tier 1	1.6E+01	
7351-034-039	17	Outdoor Shallow Soil	Ingestion/Dermal	*	*	--	*	4E-06	*	*	--	*	*
			Inhalation	Benzene	Max	--	3.8E-06		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	Max	Tier 2	1.8E-05	2E-05	*	*	*	*	9E-02

TABLE 24
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HYPOTHETICAL RESIDENTIAL EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Exposure Pathway of Concern	Residential Exposure Scenario									
				COPC Cancer Risk Drivers (1)	Data Type	Model Type	Chemical-Specific Cancer Risk	Total Cancer Risk	COPC Noncancer Hazard Drivers (2)	Data Type	Model Type	Chemical-Specific Noncancer Hazard	Total Noncancer Hazard
7351-034-041	18	Outdoor Shallow Soil	--	--	--	--	--	--	--	--	--	--	--
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-043	19	Outdoor Shallow Soil	*	*	*	--	*	*	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	Tetrachloroethene	Max	Tier 1	3.8E-06	**4E-06**	*	*	*	*	*
7351-034-045	20	Outdoor Shallow Soil	*	*	*	--	*	*	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	Tetrachloroethene	Max	Tier 1	1.7E-06	**2E-06**	*	*	*	*	*
7351-034-047	21	Outdoor Shallow Soil	--	--	--	--	--	--	--	--	--	--	--
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-052	22	Outdoor Shallow Soil	*	*	*	--	*	*	*	*	--	*	*
		Indoor Air - Modeled	Inhalation	*	*	*	*	**2E-06**	*	*	*	*	*
7351-034-057	23	Outdoor Shallow Soil	Ingestion/Dermal	Benzene	Max	--	6.2E-05	**9E-04**	Benzene	Max	--	1.2E+00	**7E+00**
				Tetrachloroethene	DL	--	5.6E-05		Ethylbenzene	Max	--	2.0E+00	
				Trichloroethene	DL	--	1.3E-06		Trichloroethene	DL	--	1.4E-01	
			Inhalation	Benzene	Max	--	7.5E-04		Benzene	Max	--	1.9E+00	
				Tetrachloroethene	DL	--	2.9E-05		Ethylbenzene	Max	--	1.2E+00	
				Trichloroethene	DL	--	7.4E-06		Tetrachloroethene	DL	--	5.9E-01	
		Indoor Air - Modeled	Inhalation	Benzene	Max	Tier 2	2.1E-03	**1E-02**	1,1,1-Trichloroethane	DL	Tier 1	5.4E+00	**1E+02**
				Chloroform	DL	Tier 1	4.2E-03		1,2,4-Trimethylbenzene	DL	Tier 1	2.3E-01	
				Tetrachloroethene	DL	Tier 1	5.3E-03		1,3,5-Trimethylbenzene	DL	Tier 1	2.2E-01	
				Trichloroethene	DL	Tier 1	1.1E-03		Acetone	DL	Tier 1	1.1E+00	
									Benzene	Max	Tier 2	5.2E+00	
									Chloroform	DL	Tier 1	1.1E+01	
									Ethylbenzene	Max	Tier 2	2.2E+00	
									Styrene	DL	Tier 1	1.4E-01	
									Tetrachloroethene	DL	Tier 1	1.1E+02	
									Toluene	DL	Tier 2	1.2E-01	
									Trichloroethene	DL	Tier 1	3.9E+00	
7351-034-058	24	Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)pyrene	DL	--	1.3E-04	**1E-04**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	DL	Tier 2	3.5E-05	**7E-04**	Tetrachloroethene	DL	Tier 1	1.1E+01	**1E+01**
				Tetrachloroethene	DL	Tier 1	5.3E-04		Trichloroethene	DL	Tier 1	3.9E-01	
				Trichloroethene	DL	Tier 1	1.1E-04						
7351-034-066	25	Outdoor Shallow Soil	--	--	--	--	--	--	--	--	--	--	--
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*

TABLE 24
COPCs CONTRIBUTING TO MAJORITY OF RISK AND HAZARD
HYPOTHETICAL RESIDENTIAL EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Exposure Pathway of Concern	Residential Exposure Scenario									
				COPC Cancer Risk Drivers (1)	Data Type	Model Type	Chemical-Specific Cancer Risk	Total Cancer Risk	COPC Noncancer Hazard Drivers (2)	Data Type	Model Type	Chemical-Specific Noncancer Hazard	Total Noncancer Hazard
7351-034-067	26	Outdoor Shallow Soil	--	--	--	--	--	--	--	--	--	--	--
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-068	27	No Applicable Media	--	--	--	--	--	--	--	--	--	--	--
7351-034-069	28	Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)anthracene	Max	--	6.6E-06	**9E-05**	Thallium	Max	--	2.0E+00	**2E+00**
				Benzo(a)pyrene	Max	--	5.8E-05						
				Benzo(b)fluoranthene	Max	--	7.2E-06						
				Benzo(k)fluoranthene	Max	--	5.6E-06						
				Dibenzo(a,h)anthracene	Max	--	6.0E-06						
				Indeno(1,2,3-cd)pyrene	Max	--	2.6E-06						
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	Max	Tier 2	1.2E-06	**3E-05**	n-Butylbenzene	Max	Tier 1	6.4E-01	**4E+00**
				Tetrachloroethene	Max	Tier 1	2.4E-05		Isopropylbenzene	Max	Tier 1	2.7E+00	
									Tetrachloroethene	Max	Tier 1	5.0E-01	
7351-034-070	29	Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	Max	--	7.7E-05	**8E-05**	Arsenic	Max	--	1.4E+00	**2E+00**
				4,4'-DDE	Max	--	1.3E-06		Cadmium	Max	--	1.1E-01	
				4,4'-DDT	Max	--	3.1E-06		4,4'-DDT	Max	--	1.5E-01	
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-072	30	Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)pyrene	Max	--	5.8E-06	**9E-06**	Cadmium	Max	--	1.7E-01	**2E-01**
				Dibenzo(a,h)anthracene	DL	--	1.8E-06						
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-073	31	Outdoor Shallow Soil	--	--	--	--	--	--	--	--	--	--	--
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-076	32	Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)anthracene	Max	--	2.6E-06	**2E-05**	*	*	--	*	*
				Benzo(a)pyrene	Max	--	2.0E-05						
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
7351-034-803	33	Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)pyrene	Max	--	6.9E-06	**7E-06**	*	*	--	*	*
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*

TABLE 24
COPCs CONTRIBUTING TO MAJORITY OF RISK AND HAZARD
HYPOTHETICAL RESIDENTIAL EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Exposure Media	Exposure Pathway of Concern	Residential Exposure Scenario									
				COPC Cancer Risk Drivers (1)	Data Type	Model Type	Chemical-Specific Cancer Risk	Total Cancer Risk	COPC Noncancer Hazard Drivers (2)	Data Type	Model Type	Chemical-Specific Noncancer Hazard	Total Noncancer Hazard
7351-034-901	34	Outdoor Shallow Soil	Ingestion/Dermal	Arsenic	Max	--	7.7E-05	**9E-05**	Arsenic	Max	--	1.4E+00	**2E+00**
				4,4'-DDD	Max	--	1.1E-06		Cadmium	Max	--	1.1E-01	
				4,4'-DDE	Max	--	1.3E-06		Vanadium	Max	--	3.0E-01	
				4,4'-DDT	Max	--	5.3E-06		4,4'-DDT	Max	--	2.5E-01	
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
Magellan Drive	35	Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)anthracene	Max	--	1.0E-05	**1E-04**	*	*	--	*	*
				Benzo(a)pyrene	Max	--	6.9E-05						
				Benzo(b)fluoranthene	Max	--	3.2E-06						
				Benzo(k)fluoranthene	Max	--	3.7E-06						
				Chrysene	Max	--	1.2E-06						
				Dibenzo(a,h)anthracene	Max	--	1.4E-06						
				Indeno(1,2,3-cd)pyrene	Max	--	1.4E-06						
				Benzene	Max	--	1.3E-06						
			Inhalation	Benzene	Max	--	1.6E-05		*	*	--	*	
		Indoor Air - Modeled	Inhalation	Benzene	Max	Tier 2	4.4E-05	**2E-04**	Benzene	Max	Tier 2	1.1E-01	**6E+00**
				Tetrachloroethene	DL	Tier 1	1.4E-04		Isopropylbenzene	DL	Tier 1	2.8E+00	
									n-Propylbenzene	DL	Tier 1	1.1E-01	
									Tetrachloroethene	DL	Tier 1	3.0E+00	
Pacific Gateway (N	36	Outdoor Shallow Soil	Ingestion/Dermal	Benzo(a)pyrene	DL	--	2.6E-06	**6E-06**	Cadmium	Max	--	2.2E-01	**3E-01**
				Dibenzo(a,h)anthracene	DL	--	1.8E-06						
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*
Pacific Gateway (S	37	Outdoor Shallow Soil	Ingestion/Dermal	*	*	--	*	*	Cadmium	Max	--	1.8E-01	**2E-01**
			Inhalation	*	*	--	*		*	*	--	*	
		Indoor Air - Modeled	Inhalation	*	*	*	*	*	*	*	*	*	*

Notes:

(1) Chemicals listed have a Cancer Risk above 10^{-6}

(2) Chemicals listed have a Hazard Quotient above 0.1

" -- " not applicable; no COPCs selected for specified medium; " * " Cancer Risk is below 10^{-6} or the Noncancer Hazard is below 0.1

"Outdoor Shallow Soil" Pathway includes Incidental Ingestion, Dermal Contact, and Outdoor Air Inhalation of particulate/VOCs in soils 0 to 15' bgs

"Data Type" Maximum detected (Max) or 1/2 the detection limit (DL) used as the EPC to calculate risk/hazard

"Model Type" The risk/hazard was estimated using Tier 1 J&E analysis or the Tier 2 DLM analysis

TABLE 25
CUMULATIVE RISK AND HAZARD
TIER 1 GROUNDWATER-TO-INDOOR AIR
COMMERCIAL AND RESIDENTIAL EXPOSURE SCENARIOS
Baseline Risk Assessment
Del Amo Site

Groundwater COPCs	Maximum Site-wide Groundwater Concentration (ug/L)	Commercial Exposure Scenario			Residential Exposure Scenario		
		Model Predicted Commercial Indoor Air EPC (mg/m^3)	Cancer Risk	Hazard Index	Model Predicted Residential Indoor Air EPC (mg/m^3)	Cancer Risk	Hazard Index
1,1,1-Trichloroethane	3.2	1.5E-05	--	1.1E-05	3.6E-05	--	8.1E-05
1,1-Dichloroethane	0.37	5.7E-07	2.3E-10	7.9E-07	1.3E-06	1.1E-09	6.1E-06
1,1-Dichloroethene	140	1.2E-03	--	1.2E-02	2.9E-03	--	9.3E-02
1,2,4-Trimethylbenzene	1,200	1.4E-03	--	1.6E-01	3.3E-03	--	1.2E+00
1,2-Dichlorobenzene	1.4	5.8E-07	--	2.0E-06	1.4E-06	--	1.5E-05
1,2-Dichloroethane	0.83	3.1E-07	1.6E-09	5.3E-07	7.3E-07	7.8E-09	4.1E-06
1,2-Dichloroethene (cis)	3,400	3.7E-03	--	7.3E-02	8.8E-03	--	5.6E-01
1,2-Dichloroethene (trans)	15	3.7E-05	--	3.6E-04	8.7E-05	--	2.8E-03
1,2-Dichloropropane	5.8	4.5E-06	1.1E-08	8.0E-04	1.1E-05	5.7E-08	6.1E-03
1,3,5-Trimethylbenzene	210	2.3E-04	--	2.6E-02	5.4E-04	--	2.0E-01
1,4-Dichlorobenzene	1.3	6.9E-07	1.9E-09	5.9E-07	1.6E-06	9.7E-09	4.5E-06
Acetone	8.2	2.4E-07	--	5.1E-08	5.6E-07	--	3.9E-07
Benzene	860,000	1.5E+00	1.0E-02	1.7E+01	3.5E+00	5.2E-02	1.3E+02
sec-Butylbenzene	620	3.9E-05	--	1.9E-04	9.1E-05	--	1.4E-03
tert-Butylbenzene	0.31	7.0E-07	--	3.4E-06	1.6E-06	--	2.6E-05
Chlorobenzene	7,100	6.5E-03	--	4.4E-03	1.5E-02	--	3.4E-02
Chloroform	330	4.6E-04	6.1E-07	1.1E-03	1.1E-03	3.1E-06	8.1E-03
Cyclohexane	13	3.5E-04	--	3.9E-05	8.1E-04	--	3.0E-04
Dichlorobromomethane	27	5.0E-06	4.6E-08	4.9E-05	1.2E-05	2.3E-07	3.8E-04
Ethylbenzene	26,000	5.0E-02	--	1.7E-02	1.2E-01	--	1.3E-01
Freon 11 (TCFM)	21	6.8E-04	--	6.6E-04	1.6E-03	--	5.1E-03
Isopropylbenzene	220	4.9E-02	--	8.6E-02	1.1E-01	--	6.6E-01
Methyl Ethyl Ketone	490	1.3E-05	--	1.7E-06	3.0E-05	--	1.3E-05
Naphthalene	1,400	1.3E-04	--	1.0E-02	3.2E-04	--	7.9E-02
n-Propylbenzene	190	3.8E-04	--	1.9E-03	9.0E-04	--	1.4E-02
Styrene	17,000	1.1E-02	--	8.3E-03	2.6E-02	--	6.4E-02
Tetrachloroethene	2,100	9.3E-03	1.4E-05	1.8E-01	2.2E-02	6.8E-05	1.4E+00
Toluene	75,000	1.5E-01	--	3.4E-01	3.5E-01	--	2.6E+00
Trichloroethene	2,000	5.7E-03	2.8E-06	6.5E-03	1.3E-02	1.4E-05	5.0E-02
Xylenes	22,000	4.2E-02	--	4.1E-02	9.9E-02	--	3.2E-01
TOTALS	**--**	**--**	**1.0E-02**	**1.8E+01**	**--**	**5.2E-02**	**1.4E+02**

Notes:

" -- " not applicable

The groundwater-to-indoor air pathway was evaluated for the commercial worker and resident.

The modeled EPCs are presented in Table 12c and the Tier 1 risk results are in Appendix D.

TABLE 26
PARCEL-SPECIFIC RISK AND HAZARD
TIER 2 GROUNDWATER-TO-INDOOR AIR
COMMERCIAL WORKER EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Maximum Benzene Concentration (ug/L)	Maximum PCE Concentration (ug/L)	Maximum TCE Concentration (ug/L)	Commercial Exposure Scenario										
					Tier 2 Model Predicted Benzene Indoor Air EPC (mg/m^3)	Tier 1 Model Predicted PCE Indoor Air EPC (mg/m^3)	Tier 1 Model Predicted TCE Indoor Air EPC (mg/m^3)	Cancer Risk				Hazard Index			
								Benzene	PCE	TCE	Cumulative Risk	Benzene	PCE	TCE	Cumulative Hazard
7351-031-020	2	< 1	<1	2.7	3.0E-09	2.2E-06	7.7E-06	2.1E-11	3.2E-09	3.7E-09	7.0E-09	3.4E-08	4.3E-05	8.7E-06	5.2E-05
7351-031-007	4	0.89	<1	2	2.7E-09	2.2E-06	5.7E-06	1.9E-11	3.2E-09	2.8E-09	6.0E-09	3.0E-08	4.3E-05	6.5E-06	5.0E-05
7351-033-030	10	21	<1	<1	6.3E-08	2.2E-06	1.4E-06	4.4E-10	3.2E-09	6.9E-10	4.4E-09	7.2E-07	4.3E-05	1.6E-06	4.6E-05
7351-033-040	12	< 1	<1	<1	3.0E-09	2.2E-06	1.4E-06	2.1E-11	3.2E-09	6.9E-10	4.0E-09	3.4E-08	4.3E-05	1.6E-06	4.5E-05
7351-033-900	15	860,000	<25	<25	2.6E-03	5.5E-05	3.5E-05	1.8E-05	8.1E-08	1.7E-08	1.8E-05	2.9E-02	1.1E-03	4.1E-05	3.0E-02
7351-034-045	20	100,000	4.8	3.9	3.0E-04	2.1E-05	1.1E-05	2.1E-06	3.1E-08	5.4E-09	2.1E-06	3.4E-03	4.2E-04	1.3E-05	3.8E-03
7351-034-066	25	59,000	1.6	32	1.8E-04	7.1E-06	9.1E-05	1.2E-06	1.0E-08	4.4E-08	1.3E-06	2.0E-03	1.4E-04	1.0E-04	2.3E-03
7351-034-068	27	3000	<100	<100	9.0E-06	2.2E-04	1.4E-04	6.3E-08	3.2E-07	6.9E-08	4.6E-07	1.0E-04	4.3E-03	1.6E-04	4.6E-03
7351-034-073	31	290	<10	<10	8.7E-07	2.2E-05	1.4E-05	6.1E-09	3.2E-08	6.9E-09	4.5E-08	9.9E-06	4.3E-04	1.6E-05	4.6E-04
7351-034-076	32	11	4.8	3.9	3.3E-08	2.1E-05	1.1E-05	2.3E-10	3.1E-08	5.4E-09	3.7E-08	3.8E-07	4.2E-04	1.3E-05	4.3E-04
7351-34-0803	33	7.5	350	<5	2.2E-08	1.5E-03	7.1E-06	1.6E-10	2.3E-06	3.5E-09	2.3E-06	2.6E-07	3.0E-02	8.1E-06	3.0E-02
7351-034-901	34	330,000	32	1.6	9.9E-04	1.4E-04	4.5E-06	6.9E-06	2.1E-07	2.2E-09	7.1E-06	1.1E-02	2.8E-03	5.2E-06	1.4E-02
Magellan Drive	35	10,000	4.8	3.9	3.0E-05	2.1E-05	1.1E-05	2.1E-07	3.1E-08	5.4E-09	2.5E-07	3.4E-04	4.2E-04	1.3E-05	7.7E-04

Notes:

" -- " not applicable; " PCE ": Tetrachloroethene; " TCE ": Trichloroethene

" < " nondetect; less than the detection limit (DL) listed; surrogate concentration used in model was 1/2 the DL

First, maximum concentrations of chemicals detected in site-wide groundwater were used in the Tier 1 vapor model. Next, Tier 2 vapor modeling was conducted for select EAPCs where Tier 1 modeling found elevated risks (i.e., cancer risk > 10^{-6} and noncancer hazard > 1). Tier 2 analysis was limited to benzene, because its tendency to biodegrade in the vadose zone is well documented, and was also limited to those EAPCs where the shallow soil/soil gas data were not sufficiently representative of EAPC conditions.

TABLE 27
PARCEL-SPECIFIC RISK AND HAZARD
TIER 2 GROUNDWATER-TO-INDOOR AIR
RESIDENTIAL EXPOSURE SCENARIO
Baseline Risk Assessment
Del Amo Site

Parcel	EAPC No.	Maximum Benzene Concentration (ug/L)	Maximum PCE Concentration (ug/L)	Maximum TCE Concentration (ug/L)	Residential Exposure Scenario										
					Tier 2 Model Predicted Benzene Indoor Air EPC (mg/m^3)	Tier 1 Model Predicted PCE Indoor Air EPC (mg/m^3)	Tier 1 Model Predicted TCE Indoor Air EPC (mg/m^3)	Cancer Risk				Hazard Index			
								Benzene	PCE	TCE	Cumulative Risk	Benzene	PCE	TCE	Cumulative Hazard
7351-031-020	2	< 1	<1	2.7	6.8E-09	5.2E-06	1.8E-05	1.0E-10	1.6E-08	1.9E-08	3.5E-08	2.5E-07	3.3E-04	6.7E-05	4.0E-04
7351-031-007	4	0.89	<1	2	6.0E-09	5.2E-06	1.3E-05	8.9E-11	1.6E-08	1.4E-08	3.0E-08	2.2E-07	3.3E-04	5.0E-05	3.8E-04
7351-033-030	10	21	<1	<1	1.4E-07	5.2E-06	3.3E-06	2.1E-09	1.6E-08	3.5E-09	2.2E-08	5.3E-06	3.3E-04	1.2E-05	3.5E-04
7351-033-040	12	< 1	<1	<1	6.8E-09	5.2E-06	3.3E-06	1.0E-10	1.6E-08	3.5E-09	2.0E-08	2.5E-07	3.3E-04	1.2E-05	3.4E-04
7351-033-900	15	860,000	<25	<25	5.8E-03	1.3E-04	8.3E-05	8.6E-05	4.1E-07	8.7E-08	8.7E-05	2.2E-01	8.3E-03	3.1E-04	2.2E-01
7351-034-045	20	100,000	4.8	3.9	6.7E-04	5.0E-05	2.6E-05	1.0E-05	1.6E-07	2.7E-08	1.0E-05	2.5E-02	3.2E-03	9.7E-05	2.8E-02
7351-034-066	25	59,000	1.6	32	4.0E-04	1.7E-05	2.1E-04	5.9E-06	5.2E-08	2.2E-07	6.2E-06	1.5E-02	1.1E-03	8.0E-04	1.7E-02
7351-034-068	27	3000	<100	<100	2.0E-05	5.2E-04	3.3E-04	3.0E-07	1.6E-06	3.5E-07	2.3E-06	7.5E-04	3.3E-02	1.2E-03	3.5E-02
7351-034-073	31	290	<10	<10	2.0E-06	5.2E-05	3.3E-05	2.9E-08	1.6E-07	3.5E-08	2.3E-07	7.3E-05	3.3E-03	1.2E-04	3.5E-03
7351-034-076	32	11	4.8	3.9	7.4E-08	5.0E-05	2.6E-05	1.1E-09	1.6E-07	2.7E-08	1.8E-07	2.8E-06	3.2E-03	9.7E-05	3.3E-03
7351-034-803	33	7.5	350	<5	5.1E-08	3.6E-03	1.7E-05	7.5E-10	1.1E-05	1.7E-08	1.1E-05	1.9E-06	2.3E-01	6.2E-05	2.3E-01
7351-034-901	34	330,000	32	1.6	2.2E-03	3.3E-04	1.1E-05	3.3E-05	1.0E-06	1.1E-08	3.4E-05	8.3E-02	2.1E-02	4.0E-05	1.0E-01
Magellan Drive	35	10,000	4.8	3.9	6.7E-05	5.0E-05	2.6E-05	1.0E-06	1.6E-07	2.7E-08	1.2E-06	2.5E-03	3.2E-03	9.7E-05	5.8E-03

Notes:

" -- " not applicable; " PCE ": Tetrachloroethene; " TCE ": Trichloroethene

" < " nondetect; less than the detection limit (DL) listed; surrogate concentration used in model was 1/2 the DL

First, maximum concentrations of chemicals detected in site-wide groundwater were used in the Tier 1 vapor model. Next, Tier 2 vapor modeling was conducted for select EAPCs where Tier 1 modeling found elevated risks (i.e., cancer risk > 10^{-6} and noncancer hazard > 1). Tier 2 analysis was limited to benzene, because its tendency to biodegrade in the vadose zone is well documented, and was also limited to those EAPCs where the shallow soil/soil gas data were not sufficiently representative of EAPC conditions.

TABLE 28
BACKGROUND AMBIENT AND INDOOR AIR VOC DATA
Baseline Risk Assessment
Del Amo Site

Chemical	CARB North Long Beach Monitoring Station (Ambient Air)									1987 EPA TEAM Study (Mean Values)				1992 CARB Indoor Air Study		
	September 5, 1994 - May 5, 1995			1994 Annualized			1995 Annualized			1987 Summer		1987 Winter		June 1990		
	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Indoor	Ambient	Indoor	Ambient	Mean	Maximum	Minimum
1,1,1-Trichloroethane	6.4E-03	2.0E-02	8.7E-04	6.3E-03	2.7E-02	4.4E-04	4.8E-03	2.0E-02	8.2E-04	1.6E-02	5.9E-03	1.9E-02	1.1E-02	7.0E-03	9.2E-02	5.4E-05
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (cis)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (mix)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethene (trans)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetonitrile	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	5.1E-03	1.9E-02	8.0E-04	4.9E-03	1.9E-02	8.0E-04	4.2E-03	1.4E-02	8.0E-04	6.0E-03	3.7E-03	1.3E-02	7.1E-03	4.4E-03	1.3E-01	1.9E-04
Chlorobenzene	NA	NA	NA	2.3E-04	2.3E-04	2.3E-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.5E-04	3.9E-04	4.9E-05	1.3E-04	3.9E-04	4.9E-05	2.0E-04	4.4E-04	4.9E-05	1.2E-03	8.8E-04	1.4E-03	4.9E-04	1.2E-03	3.9E-03	5.9E-04
Cyclohexane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	2.0E-03	6.9E-03	1.3E-03	1.9E-03	6.9E-03	1.3E-03	2.1E-03	6.5E-03	1.3E-03	2.8E-03	1.7E-03	5.8E-03	3.2E-03	NA	NA	NA
Methyl ethyl ketone	4.6E-04	3.2E-03	1.5E-04	1.3E-03	3.5E-03	1.5E-04	4.2E-04	2.4E-03	1.5E-04	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	3.0E-03	7.6E-03	1.7E-03	2.9E-03	1.2E-02	1.7E-03	3.4E-03	8.3E-03	1.7E-03	NA	NA	NA	NA	8.2E-02	1.7E+00	1.4E-03
Styrene	8.4E-04	3.0E-03	2.1E-04	1.2E-03	6.0E-03	2.1E-04	6.8E-04	3.0E-03	2.1E-04	2.4E-03	4.3E-04	2.9E-03	1.7E-03	2.4E-03	1.4E-01	8.9E-05
Tetrachloroethene	2.1E-03	8.8E-03	1.4E-04	2.0E-03	8.8E-03	6.8E-05	2.2E-03	1.1E-02	2.0E-04	2.2E-03	1.8E-03	6.8E-03	4.3E-03	1.4E-03	3.0E-02	1.3E-04
Toluene	1.4E-02	3.8E-02	2.3E-03	1.5E-02	4.5E-02	4.2E-03	1.2E-02	3.6E-02	2.3E-03	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	1.6E-04	3.2E-04	5.4E-05	1.1E-04	4.3E-04	5.4E-05	1.7E-04	4.8E-04	5.4E-05	NA	NA	1.2E-03	2.1E-04	6.4E-04	9.1E-03	1.6E-04
m,p-Xylene	2.6E-02	7.9E-02	3.9E-03	3.7E-02	7.9E-02	1.0E-02	2.2E-02	7.2E-02	3.9E-03	3.6E-02	2.2E-02	9.0E-02	5.4E-02	2.2E-02	3.5E-01	5.2E-04
o-Xylene	2.8E-03	9.1E-03	2.2E-04	3.0E-03	9.1E-03	8.7E-04	2.6E-03	8.2E-03	2.2E-04	4.3E-03	2.8E-03	1.2E-02	6.5E-03	3.2E-03	4.8E-02	5.6E-05

Notes:

All results in milligram per cubic meter (mg/m^3)

Mean and minimum values based on using 1/2 of reported analytical detection limits for the compounds indicated

All mean values are based on arithmetic means

CARB = California Environmental Protection Agency - California Air Resources Board

EPA = U.S. Environmental Protection Agency

NA = Data not available

ND = Not detected

Sources:

CARB N. Long Beach Station: California Ambient Air Quality Data 1980-1996, CD Number TSD-97-008-CD. Tables 9-3, 9-13, and 9-14. December 1997

1987 USEPA TEAM Study: The Los Angeles TEAM Study: Personal Exposures, Indoor-Outdoor Air Concentrations, and Breath Concentrations of 25 Volatile Organic Compounds. Journal of Exposure Analysis and Environmental Epidemiology, Vol. 1, No. 2, pp. 157-192. 1991.

1992 CARB Study: Indoor Pollutant Concentrations and Exposures, Final Report. Contract No. A833-156. L. Shendon, et. al. Research Triangle Institute. January 1992.

TABLE 29A
RISK AND HAZARD INDEX SUMMARY
BY RECEPTOR AND PATHWAY
Del Amo Superfund Site
Baseline Risk Assessment

Receptor	Pathway	EAPCs in Risk / Hazard Index Groups Using Reasonable Maximum Exposures			
		Risk = 10^{-6} and HI = 1	10^{-6} < Risk = $5x10^{-5}$ and HI = 1	$5x10^{-5}$ < Risk = 10^{-4} and HI = 1	Risk >10^{-4} and/or HI >1
Commercial Worker	Outdoor Soil	1, 5, 8, 9, 10, 14, 17, 18, 19, 20, 21, 22, 25, 26, 27, 31, 37 (17 of 37)	3, 4, 6, 7, 11, 12, 13, 15, 23, 24*, 28, 29, 30, 32, 33, 34, 35, 36 (18 of 37)	2, 16* (2 of 37)	(0 of 37)
	Indoor Air (Tier 1/Tier 2 Modeling)	1, 2, 3, 4**, 8, 9, 10, 12, 13, 14, 17, 18, 19, 21, 22, 25**, 26, 27**, 28, 29, 30, 31, 32, 36, 37 (25 of 37)	5, 6, 7, 11, 15***, 20**, 24, 33**, 34**, 35 (10 of 37)	23* (1 of 37)	16* (1 of 37)
Future Hypothetical Resident	Outdoor Soil	1, 18, 19, 20, 21, 22, 25, 26, 27, 31, 37 (11 of 37)	3, 4, 5, 8, 9, 12, 13, 15, 17, 30, 32, 33, 36 (13 of 37)	6, 7, 11, 24, 35 (5 of 37)	2, 10, 14, 16, 23, 28, 29, 34 (8 of 37)
	Indoor Air (Tier 1/Tier 2 Modeling)	1, 2, 3, 4**, 10, 12, 13, 14, 18, 21, 26, 29, 30, 31**, 32, 36, 37 (17 of 37)	8, 9, 17,19, 20**, 22, 25**, 27**, 33**, 34** (10 of 37)	11 (1 of 37)	5, 6, 7, 15***, 16, 23, 24, 28, 35 (9 of 37)
Trench Worker	Outdoor Soil	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 (35 of 37)	16, 23 (2 of 37)	(0 of 37)	(0 of 37)

Note: Risk/hazard groups based on modeling of shallow soil/soil gas except as indicated otherwise

* The risk at this parcel is driven by elevated detection limits. Risk would decrease to less than 5×10^{-5} if the exposure point concentration was calculated using the maximum *detected* concentrations rather than 1/2 the detection limit for the risk-driving COPCs

** The indoor air risk/hazard value for this EAPC is based on modeling of groundwater data

*** The indoor air risk/hazard value for this EAPC is based on modeling of deep soil data

TABLE 29B
RISK AND HAZARD INDEX SUMMARY BY EAPC
Del Amo Superfund Site
Baseline Risk Assessment

EAPC	Risk and Hazard Index Group Using Reasonable Maximum Exposure				
	Commercial Worker		Future Hypothetical Resident		Trench Worker
	Outdoor Soil	Indoor Air	Outdoor Soil	Indoor Air	Outdoor Soil
1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
2	$5x10^{-5}$ < Risk ≤ 10^{-4} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk >10^{-4} and/or HI >1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
3	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
4	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1**	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
5	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk >10^{-4} and/or HI >1	Risk ≤ 10^{-6} and HI ≤ 1
6	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	$5x10^{-5}$ < Risk ≤ 10^{-4} and HI ≤ 1	Risk >10^{-4} and/or HI >1	Risk ≤ 10^{-6} and HI ≤ 1
7	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	$5x10^{-5}$ < Risk ≤ 10^{-4} and HI ≤ 1	Risk >10^{-4} and/or HI >1	Risk ≤ 10^{-6} and HI ≤ 1
8	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
9	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
10	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk >10^{-4} and/or HI >1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
11	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	$5x10^{-5}$ < Risk ≤ 10^{-4} and HI ≤ 1	$5x10^{-5}$ < Risk ≤ 10^{-4} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
12	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
13	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
14	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk >10^{-4} and/or HI >1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
15	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1***	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk >10^{-4} and/or HI >1**	Risk ≤ 10^{-6} and HI ≤ 1
16	$5x10^{-5}$ < Risk ≤ 10^{-4} and HI ≤ 1*	Risk >10^{-4} and/or HI >1*	Risk >10^{-4} and/or HI >1	Risk >10^{-4} and/or HI >1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1
17	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
18	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
19	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
20	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1**	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
21	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
22	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
23	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	$5x10^{-5}$ < Risk ≤ 10^{-4} and HI ≤ 1*	Risk >10^{-4} and/or HI >1	Risk >10^{-4} and/or HI >1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1
24	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	$5x10^{-5}$ < Risk ≤ 10^{-4} and HI ≤ 1	Risk >10^{-4} and/or HI >1	Risk ≤ 10^{-6} and HI ≤ 1

TABLE 29B
RISK AND HAZARD INDEX SUMMARY BY EAPC
Del Amo Superfund Site
Baseline Risk Assessment

EAPC	Risk and Hazard Index Group Using Reasonable Maximum Exposure				
	Commercial Worker		Future Hypothetical Resident		Trench Worker
	Outdoor Soil	Indoor Air	Outdoor Soil	Indoor Air	Outdoor Soil
25	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10-6 and HI ≤ 1**	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
26	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
27	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10-6 and HI ≤ 1**	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
28	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk >10^{-4} and/or HI >1	Risk >10^{-4} and/or HI >1	Risk ≤ 10^{-6} and HI ≤ 1
29	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1**	Risk >10^{-4} and/or HI >1	Risk ≤ 10^{-6} and HI ≤ 1**	Risk ≤ 10^{-6} and HI ≤ 1
30	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
31	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
32	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
33	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1**	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
34	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1**	Risk >10^{-4} and/or HI >1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
35	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	$5x10^{-5}$ < Risk ≤ 10^{-4} and HI ≤ 1	Risk >10^{-4} and/or HI >1	Risk ≤ 10^{-6} and HI ≤ 1
36	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1
37	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1	Risk ≤ 10^{-6} and HI ≤ 1

Legend

- Risk ≤ 10^{-6} and HI ≤ 1
- 10^{-6} < Risk ≤ $5x10^{-5}$ and HI ≤ 1
- $5x10^{-5}$ < Risk ≤ 10^{-4} and HI ≤ 1
- Risk >10^{-4} and/or HI >1

Note: Risk/hazard groups based on modeling of shallow soil/soil gas except as indicated otherwise

* Calculated risk value is suspect due to elevated detection limits for risk-driving chemicals. Risk would decrease to less than 5 x 10^{-5} if if the exposure point concentration was calculated using maximum detected concentrations rather than 1/2 the detection limit for the risk-driving COPCs.

** Indoor air risk at this parcel based on modeling of vapor transport from groundwater

*** Indoor air risk at this parcel based on modeling of vapor transport from deep soil