

Appendix M: Miscellaneous Results

VOLATILE ORGANIC COMPOUNDS (VOCs)

Sample Identity and depth		TP121 0.5m	TP122 2.5m
VOCs	Unit	Zone 3	Zone 3
Dichloro-difluoro-methane	ug/kg	<7	<6
Chloro-methane	ug/kg	<7	<6
Vinyl Chloride	ug/kg	<7	<6
Bromo-methane	ug/kg	<34	<29
Chloro-ethane	ug/kg	<34	<29
Trichloro-fluoro-methane	ug/kg	<7	<6
1,1-Dichloroethene	ug/kg	<7	<6
trans 1,2-Dichloroethene	ug/kg	<7	<6
1,1-Dichloro-ethane	ug/kg	<7	<6
2,2-Dichloro-propane	ug/kg	<7	<6
cis 1,2-Dichloroethene	ug/kg	<7	<6
Bromo-chloro-methane	ug/kg	<7	<6
Chloroform	ug/kg	<7	<6
1,1,1-Trichloroethane	ug/kg	<7	<6
Carbon Tetra-chloride	ug/kg	<7	<6
1,1-Dichloropropene	ug/kg	<7	<6
Benzene	ug/kg	<7	<6
1,2-Dichloroethane	ug/kg	<7	<6
Trichloroethene	ug/kg	<7	<6
1,2-Dichloropropane	ug/kg	<7	<6
Dibromomethane	ug/kg	<7	<6
Bromo-dichloromethane	ug/kg	<7	<6
cis 1,3-Dichloropropene	ug/kg	<7	<6
Toluene	ug/kg	<7	<6
trans 1,3-Dichloropropene	ug/kg	<7	<6
1,1,2-Trichloroethane	ug/kg	<7	<6
Tetra-chloro-ethene	ug/kg	<34	<29
1,3-Dichloropropane	ug/kg	<7	<6
Dibromochloro-methane	ug/kg	<7	<6
1,2-Dibromoethane	ug/kg	<7	<6
Chloro-benzene	ug/kg	<7	<6
Ethyl-benzene	ug/kg	<7	<6
1,1,1,2-Tetra chloro-ethane	ug/kg	<7	<6
m and p-Xylene	ug/kg	<7	<6
o-Xylene	ug/kg	<7	<6
Styrene	ug/kg	<7	<6
Bromoform	ug/kg	<7	<6
isoPropyl-benzene	ug/kg	<7	<6
1,1,2,2-Tetra chloro-ethane	ug/kg	<7	<6
Propyl-benzene	ug/kg	<7	<6
Bromo-benzene	ug/kg	<7	<6
1,2,3-Trichloropropane	ug/kg	<7	<6
2-Chloro-toluene	ug/kg	<7	<6
1,3,5-Trimethylbenzene	ug/kg	<7	<6
4-Chloro-toluene	ug/kg	<7	<6
tert-Butylbenzene	ug/kg	<7	<6
1,2,4-Trimethylbenzene	ug/kg	<7	<6
sec-Butyl-benzene	ug/kg	<7	<6
p-Isopropyl-toluene	ug/kg	<7	<6
1,3-Dichlorobenzene	ug/kg	<7	<6
1,4-Dichlorobenzene	ug/kg	<7	<6
n-Butyl-benzene	ug/kg	<7	<6
1,2-Dichlorobenzene	ug/kg	<7	<6
1,2-Dibromo-3-chloro-propane	ug/kg	<34	<29
1,2,4-Trichlorobenzene	ug/kg	<34	<29
Hexachloro-butadiene	ug/kg	<34	<29
Naphthalene	ug/kg	<34	<29
1,2,3-Trichlorobenzene	ug/kg	<34	<29

ASBESTOS IDENTIFICATION

Sample Identity and depth (m)	Zone	ID
TP402 A	7	CH-H
TP402 B	7	CH-H
TP402 C	7	CH-H
TP307 1.0	8	CH-M, CR-T
TP319 0.5	8	CH-H

Notes:

CH-H Indicates Chrysotile High (ie >50%)
 CH-M Indicates Chrysotile Medium (ie 15-50%)
 CR-T Indicate Crocidolite Trace (ie <2%)

POLY-CHLORO-BYPHENYLS

Sample Identity and depth	Zone	PCB28 ug/kg	PCB52 ug/kg	PCB101 ug/kg	PCB118 ug/kg	PCB153 ug/kg	PCB138 ug/kg	PCB180 ug/kg
TP514 0.5	1	<5	<6	<5	<5	<5	<5	<5
TP516 0.5	1	<5	<6	<5	<5	<5	<5	<5
TP518 1.0	1	<5	<6	<5	<5	<5	<5	<5
TP520 1.0	1	<5	<5	<5	<5	<5	<5	<5
TP512 0.5	2	<5	<6	<5	<5	<5	<5	<5

TOTAL AND BIOACCESSIBLE ARSENIC

Sample Identity and depth	Zone	Total arsenic mg/kg	Bioavailable	Bioavailable
			arsenic %	arsenic mg/kg
TP536 0.5	2	206	1	2.1
TP538 0.5	2	30.3	11	3.3
TP119 0.5	3	50.6	8	4.0
TP122 0.5	3	587.2	30	176.2
BH803 0.5	5	39.7	6	2.4
BH804 0.5	5	92.4	15	13.9
BH804 2.5	5	15.4	28	4.3
BH805 0.5	5	70	24	16.8
BH805 3.5	5	23.6	19	4.5

OTHER INORGANICS / PARAMETERS

Sample Identity and depth	Zone	Ammoniacal Nitrogen mg/kg	SO4= (H2O) cald mg/l	Total moisture %	Moisture @ 55 C %
TP503 0.8	1	2.1	4.55	10.6	8.8
TP512 1.0	1	<0.5	22.1	13.2	11.3
TP520 1.0	1	1.1	120.3	-	-
TP517 1.0	1	1.4	195.1	-	-
TP527 1.5	2	0.7	9.1	17.5	14.3
TP529 1.0	2	0.7	10.72	4.9	5.4
TP534 1.0	2	1.6	14.13	15.5	14.1
TP535 1.5	2	1.8	85.8	42.4	32.7
TP536 1.5	2	1.8	6.14	13	9.5
TP111 0.5	3	0.7	165	16.4	11.7
TP105d 1.5	3	0.8	455	-	-
TP101 1.5	3	2	2150	-	-
TP119 0.5	3	-	529	-	-
BH108 1.5	3	<0.5	-	-	-
TP121 0.5	3	<0.6	-	-	-
TP122 2.5	3	1.2	-	-	-
WS108 1.0	3	<0.5	-	-	-
TP106 1.5	4	0.7	28.9	5.8	5.6
TP112 1.0	4	0.6	146.4	16.6	13.3
TP124 1.5	6	1.9	583	21.3	18.3
TP205 2.0	6	1.1	201	-	-
TP203 1.5	6	1.7	357	-	-
TP406 2.0	7	0.6	9.18	6	6.4
TP411 2.0	7	0.7	46	7.9	8.3
TP302 2.0	8	1.6	72	11.8	9.4
TP315 1.0	8	2	445	9.3	8.2
TP323 1.5	8	1.3	28.5	15.6	8.9
TP309 1.0	8	0.8	18.07	-	-
TP329 0.8	9	0.9	608	-	-
TP330 2.0	9	1	13.92	-	-
TP701 1.2	Outside	0.9	30.6	-	-
TP606 1.0	Outside	1.1	42	-	-
TP601 0.5	Outside	1.6	90.6	-	-
TP603 0.5	Outside	4.3	123.4	-	-

ORGANO-TIN COMPOUNDS

Sample Identity and depth	Zone	Dibutyl Tin mg/kg	Tri-butyl Tin mg/kg	Tri-phenyl Tin mg/kg
WS108 0.5	3	<0.02	<0.02	<0.06
BH802 1.0	5	<0.02	<0.02	<0.06
BH803 0.5	5	<0.02	<0.02	<0.06
BH803 1.5	5	<0.02	<0.02	<0.06
TP410 0.2	7	<0.03	<0.03	<0.07
TP303 0.3	8	<0.02	<0.02	<0.06
TP310 0.5	8	<0.02	<0.02	<0.06
TP311 4.0	8	<0.03	<0.03	<0.07