

Envirolab Job Number: 22/00110

Client Project Name: Kay Bridge, Summerseat

Client Project Ref: Not specified

Lab Sample ID	22/00110/1	22/00110/2								
Client Sample No										
Client Sample ID	BH02	BH02								
Depth to Top	1.20	3.50								
Depth To Bottom										
Date Sampled	05-Jan-22	05-Jan-22								
Sample Type	Soil	Soil								
Sample Matrix Code	6A	6A								
SVOC										
4-Bromophenyl phenyl ether _A	<100	<100						µg/kg	100	A-T-0.02a
Hexachlorobenzene _A	<100	<100						µg/kg	100	A-T-0.02a
Diethyl phthalate _A	<100	<100						µg/kg	100	A-T-0.02a
Dimethyl phthalate _A	<100	<100						µg/kg	100	A-T-0.02a
Dibenzofuran _A	1030	850						µg/kg	100	A-T-0.02a
Carbazole _A	143	113						µg/kg	100	A-T-0.02a
Butylbenzyl phthalate _A	<100	<100						µg/kg	100	A-T-0.02a
Bis(2-ethylhexyl)phthalate _A	546	749						µg/kg	500	A-T-0.02a
Bis(2-chloroethoxy)methane _A	<100	<100						µg/kg	100	A-T-0.02a
Bis(2-chloroethyl)ether _A	<100	<100						µg/kg	100	A-T-0.02a
4-Nitrophenol _A	<100	<100						µg/kg	100	A-T-0.02a
3+4-Methylphenol _A	<100	<100						µg/kg	100	A-T-0.02a
4-Chloro-3-methylphenol _A	<100	<100						µg/kg	100	A-T-0.02a
2-Nitrophenol _A	<100	<100						µg/kg	100	A-T-0.02a
2-Methylphenol _A	<100	<100						µg/kg	100	A-T-0.02a
2-Chlorophenol _A	<100	<100						µg/kg	100	A-T-0.02a
2,6-Dinitrotoluene _A	<100	<100						µg/kg	100	A-T-0.02a
2,4-Dinitrotoluene _A	<100	<100						µg/kg	100	A-T-0.02a
2,4-Dimethylphenol _A	<100	<100						µg/kg	100	A-T-0.02a
2,4-Dichlorophenol _A	<100	<100						µg/kg	100	A-T-0.02a
2,4,6-Trichlorophenol _A	<100	<100						µg/kg	100	A-T-0.02a
2,4,5-Trichlorophenol _A	<100	<100						µg/kg	100	A-T-0.02a
2-Chloronaphthalene _A	<100	<100						µg/kg	100	A-T-0.02a
2-Methylnaphthalene _A	2000	1650						µg/kg	100	A-T-0.02a
Bis(2-chloroisopropyl)ether _A	<100	<100						µg/kg	100	A-T-0.02a
Phenol _A	<100	<100						µg/kg	100	A-T-0.02a
Pentachlorophenol (SVOC) _A	<100	<100						µg/kg	100	A-T-0.02a
n-Nitroso-n-dipropylamine _A	<100	<100						µg/kg	100	A-T-0.02a
n-Dioctylphthalate _A	<500	<500						µg/kg	500	A-T-0.02a
n-Dibutylphthalate _A	<100	<100						µg/kg	100	A-T-0.02a
Nitrobenzene _A	<100	<100						µg/kg	100	A-T-0.02a
Isophorone _A	<100	<100						µg/kg	100	A-T-0.02a

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Client Sample ID	BH02	BH02								
Depth to Top	1.20	3.50								
Depth To Bottom										
Date Sampled	05-Jan-22	05-Jan-22								
Sample Type	Soil	Soil								
Sample Matrix Code	6A	6A								
Hexachloroethane _A	<100	<100						µg/kg	100	A-T-032a
Hexachlorocyclopentadiene _A	<100	<100						µg/kg	100	A-T-032a
Perylene _A	113	<100						µg/kg	100	A-T-032a

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Depth to Top	1.20	3.50							
Depth To Bottom									
Date Sampled	05-Jan-22	05-Jan-22							
Sample Type	Soil	Soil							
Sample Matrix Code	6A	6A							
VOC									
Dichlorodifluoromethane _A	<1	<1						µg/kg	1
Chloromethane _A	<10	<10						µg/kg	10
Vinyl Chloride (Chloroethene) _A [#]	<1	<1						µg/kg	1
Bromomethane _A [#]	<1	<1						µg/kg	1
Chloroethane _A [#]	<1	<1						µg/kg	1
Trichlorofluoromethane _A [#]	<1	<1						µg/kg	1
1,1-Dichloroethane _A [#]	<1	<1						µg/kg	1
Carbon Disulphide _A [#]	<1	<1						µg/kg	1
Dichloromethane _A	<5	<5						µg/kg	5
trans 1,2-Dichloroethene _A [#]	<1	<1						µg/kg	1
1,1-Dichloroethane _A [#]	<1	<1						µg/kg	1
cis 1,2-Dichloroethene _A [#]	<1	<1						µg/kg	1
2,2-Dichloropropane _A [#]	<1	<1						µg/kg	1
Bromochloromethane _A [#]	<5	<5						µg/kg	5
Chloroform _A [#]	<1	<1						µg/kg	1
1,1,1-Trichloroethane _A [#]	<1	<1						µg/kg	1
1,1-Dichloropropene _A [#]	<1	<1						µg/kg	1
Carbon Tetrachloride _A [#]	<1	<1						µg/kg	1
1,2-Dichloroethane _A [#]	<2	<2						µg/kg	2
Benzene _A [#]	<1	<1						µg/kg	1
Trichloroethene _A [#]	<1	<1						µg/kg	1
1,2-Dichloropropane _A [#]	<1	<1						µg/kg	1
Dibromomethane _A [#]	<1	<1						µg/kg	1
Bromodichloromethane _A [#]	<10	<10						µg/kg	10
cis 1,3-Dichloropropene _A [#]	<1	<1						µg/kg	1
Toluene _A [#]	<1	<1						µg/kg	1
trans 1,3-Dichloropropene _A [#]	<1	<1						µg/kg	1
1,1,2-Trichloroethane _A [#]	<1	<1						µg/kg	1
1,3-Dichloropropane _A [#]	<1	<1						µg/kg	1
Tetrachloroethene _A [#]	<1	<1						µg/kg	1
Dibromochloromethane _A [#]	<3	<3						µg/kg	3
1,2-Dibromoethane _A [#]	<1	<1						µg/kg	1

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Client Sample No									
Client Sample ID	BH02	BH02							
Depth to Top	1.20	3.50							
Depth To Bottom									
Date Sampled	05-Jan-22	05-Jan-22							
Sample Type	Soil	Soil							
Sample Matrix Code	6A	6A							
	Units	Limit of Detection	Method ref						
Chlorobenzene _A [#]	<1	<1							A-T-006a
1,1,1,2-Tetrachloroethane _A	<1	<1							A-T-006a
Ethylbenzene _A [#]	<1	<1							A-T-006a
m & p Xylene _A [#]	<1	<1							A-T-006a
o-Xylene _A [#]	<1	<1							A-T-006a
Styrene _A [#]	<1	<1							A-T-006a
Bromofom _A [#]	<1	<1							A-T-006a
Isopropylbenzene _A [#]	<1	<1							A-T-006a
1,1,2,2-Tetrachloroethane _A	<1	<1							A-T-006a
1,2,3-Trichloropropane _A [#]	<1	<1							A-T-006a
Bromobenzene _A [#]	<1	<1							A-T-006a
n-Propylbenzene _A [#]	<1	<1							A-T-006a
2-Chlorotoluene _A [#]	<1	<1							A-T-006a
1,3,5-Trimethylbenzene _A [#]	<1	<1							A-T-006a
4-Chlorotoluene _A [#]	<1	<1							A-T-006a
tert-Butylbenzene _A [#]	<2	<2							A-T-006a
1,2,4-Trimethylbenzene _A [#]	2	2							A-T-006a
sec-Butylbenzene _A [#]	<1	<1							A-T-006a
4-Isopropyltoluene _A [#]	<1	<1							A-T-006a
1,3-Dichlorobenzene _A	<1	<1							A-T-006a
1,4-Dichlorobenzene _A [#]	<1	<1							A-T-006a
n-Butylbenzene _A [#]	<1	<1							A-T-006a
1,2-Dichlorobenzene _A [#]	<1	<1							A-T-006a
1,2-Dibromo-3-chloropropane (DCBP) _A	<2	<2							A-T-006a
1,2,4-Trichlorobenzene _A	<3	<3							A-T-006a
Hexachlorobutadiene _A [#]	<1	<1							A-T-006a
1,2,3-Trichlorobenzene _A	<3	<3							A-T-006a

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Client Sample ID	BH02	BH02							
Depth to Top	1.20	3.50							
Depth To Bottom									
Date Sampled	05-Jan-22	05-Jan-22							
Sample Type	Soil	Soil							
Sample Matrix Code	6A	6A							
SVOC excluding PAH-16 (leachable)									
2,4,5-Trichlorophenol (leachable) _A	<2	<2						µg/l	2
2,4,6-Trichlorophenol (leachable) _A	<2	<2						µg/l	2
2,4-Dichlorophenol (leachable) _A	<2	<2						µg/l	2
2,4-Dimethylphenol (leachable) _A	<2	<2						µg/l	2
2,4-Dinitrotoluene (leachable) _A	<2	<2						µg/l	2
2,6-Dinitrotoluene (leachable) _A	<2	<2						µg/l	2
2-Chloronaphthalene (leachable) _A	<2	<2						µg/l	2
2-Chlorophenol (leachable) _A	<2	<2						µg/l	2
2-Methylnaphthalene (leachable) _A	6	6						µg/l	2
2-Methylphenol (leachable) _A	<2	<2						µg/l	2
2-Nitrophenol (leachable) _A	<2	<2						µg/l	2
4-Bromophenyl phenyl ether (leachable) _A	<2	<2						µg/l	2
4-Chloro-3-methylphenol (leachable) _A	<2	<2						µg/l	2
3+4-Methylphenol (leachable) _A	<2	<2						µg/l	2
4-Nitrophenol (leachable) _A	<2	<2						µg/l	2
Bis(2-chloroethoxy)methane (leachable) _A	<2	<2						µg/l	2
Bis(2-chloroethyl)ether (leachable) _A	<2	<2						µg/l	2
Bis(2-chloroisopropyl)ether (leachable) _A	<2	<2						µg/l	2
Bis(2-ethylhexyl)phthalate (leachable) _A	<4	<4						µg/l	4
Butylbenzyl phthalate (leachable) _A	<2	<2						µg/l	2
Carbazole (leachable) _A	<2	<2						µg/l	2
Dibenzofuran (leachable) _A	<2	<2						µg/l	2
Diethyl phthalate (leachable) _A	<2	<2						µg/l	2
Dimethyl phthalate (leachable) _A	<2	<2						µg/l	2
n-Dibutylphthalate (leachable) _A	<2	<2						µg/l	2
n-Dioctylphthalate (leachable) _A	<10	<10						µg/l	10
Hexachlorobenzene (leachable) _A	<2	<2						µg/l	2
Hexachlorocyclopentadiene (leachable) _A	<2	<2						µg/l	2
Hexachloroethane (leachable) _A	<2	<2						µg/l	2
Isophorone (leachable) _A	<2	<2						µg/l	2
Nitrobenzene (leachable) _A	<2	<2						µg/l	2
n-Nitroso-n-dipropylamine (leachable) _A	<2	<2						µg/l	2

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Lab Sample ID	22/00110/1	22/00110/2						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH02	BH02								
Depth to Top	1.20	3.50								
Depth To Bottom										
Date Sampled	05-Jan-22	05-Jan-22								
Sample Type	Soil	Soil								
Sample Matrix Code	6A	6A								
Pentachlorophenol (leachable) _A	<2	<2						µg/l	2	A-T-0.52 w
Perylene (leachable) _A	<2	<2						µg/l	2	A-T-0.52 w
Phenol (leachable) _A	<2	<2						µg/l	2	A-T-0.52 w

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Client Sample ID	BH02	BH02							
Depth to Top	1.20	3.50							
Depth To Bottom									
Date Sampled	05-Jan-22	05-Jan-22							
Sample Type	Soil	Soil							
Sample Matrix Code	6A	6A							
	Units	Limit of Detection	Method ref						
VOC (leachable)									
Dibromochloromethane (leachable) _A	<3	<3					µg/l	3	A-T-006W
Dibromomethane (leachable) _A	<1	<1					µg/l	1	A-T-006W
Dichlorodifluoromethane (leachable) _A	<1	<1					µg/l	1	A-T-006W
Dichloromethane (leachable) _A	<10	<10					µg/l	5	A-T-006W
Ethylbenzene (leachable) _A	<1	<1					µg/l	1	A-T-006W
Hexachlorobutadiene (leachable) _A	<1	<1					µg/l	1	A-T-006W
Isopropylbenzene (leachable) _A	<1	<1					µg/l	1	A-T-006W
n-butylbenzene (leachable) _A	<1	<1					µg/l	1	A-T-006W
n-propylbenzene (leachable) _A	<1	<1					µg/l	1	A-T-006W
o-Xylene (leachable) _A	<1	<1					µg/l	1	A-T-006W
m & p Xylene (leachable) _A	<1	<1					µg/l	1	A-T-006W
sec-Butylbenzene (leachable) _A	<1	<1					µg/l	1	A-T-006W
Styrene (leachable) _A	<1	<1					µg/l	1	A-T-006W
tert-Butylbenzene (leachable) _A	<2	<2					µg/l	2	A-T-006W
Tetrachloroethene (leachable) _A	<1	<1					µg/l	1	A-T-006W
Toluene (leachable) _A	<1	<1					µg/l	1	A-T-006W
trans 1,2-Dichloroethene (leachable) _A	<1	<1					µg/l	1	A-T-006W
trans 1,3-Dichloropropene (leachable) _A	<1	<1					µg/l	1	A-T-006W
Trichloroethene (leachable) _A	<1	<1					µg/l	1	A-T-006W
Trichlorofluoromethane (leachable) _A	<1	<1					µg/l	1	A-T-006W
Vinyl Chloride (leachable) _A	<1	<1					µg/l	1	A-T-006W
1,1,1,2-Tetrachloroethane (leachable) _A	<1	<1					µg/l	1	A-T-006W
1,1,1-Trichloroethane (leachable) _A	<1	<1					µg/l	1	A-T-006W
1,1,2,2-Tetrachloroethane (leachable) _A	<1	<1					µg/l	1	A-T-006W
1,1,2-Trichloroethane (leachable) _A	<1	<1					µg/l	1	A-T-006W
1,1-Dichloroethane (leachable) _A	<1	<1					µg/l	1	A-T-006W
1,1-Dichloroethene (leachable) _A	<1	<1					µg/l	1	A-T-006W
1,1-Dichloropropene (leachable) _A	<1	<1					µg/l	1	A-T-006W
1,2,3-Trichlorobenzene (leachable) _A	<3	<3					µg/l	3	A-T-006W
1,2,3-Trichloropropane (leachable) _A	<1	<1					µg/l	1	A-T-006W
1,2,4-Trichlorobenzene (leachable) _A	<3	<3					µg/l	3	A-T-006W
1,2,4-Trimethylbenzene (leachable) _A	<1	1					µg/l	1	A-T-006W

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Client Sample No										
Client Sample ID	BH02	BH02								
Depth to Top	1.20	3.50								
Depth To Bottom										
Date Sampled	05-Jan-22	05-Jan-22								
Sample Type	Soil	Soil								
Sample Matrix Code	6A	6A								
1,2-Dibromo-3-chloropropane (leachable) _A	<2	<2						µg/l	2	A-T-006W
1,2-Dibromoethane (leachable) _A	<1	<1						µg/l	1	A-T-006W
1,2-Dichlorobenzene (leachable) _A	<1	<1						µg/l	1	A-T-006W
1,2-Dichloroethane (leachable) _A	<2	<2						µg/l	2	A-T-006W
1,2-Dichloropropane (leachable) _A	<1	<1						µg/l	1	A-T-006W
1,3,5-Trimethylbenzene (leachable) _A	<1	<1						µg/l	1	A-T-006W
1,3-Dichlorobenzene (leachable) _A	<1	<1						µg/l	1	A-T-006W
1,3-Dichloropropane (leachable) _A	<1	<1						µg/l	1	A-T-006W
1,4-Dichlorobenzene (leachable) _A	<1	<1						µg/l	1	A-T-006W
2,2-Dichloropropane (leachable) _A	<1	<1						µg/l	1	A-T-006W
2-Chlorotoluene (leachable) _A	<1	<1						µg/l	1	A-T-006W
4-Chlorotoluene (leachable) _A	<1	<1						µg/l	1	A-T-006W
4-Isopropyltoluene (leachable) _A	<1	<1						µg/l	1	A-T-006W
Benzene (leachable) _A	<1	<1						µg/l	1	A-T-006W
Bromobenzene (leachable) _A	<1	<1						µg/l	1	A-T-006W
Bromochloromethane (leachable) _A	<5	<5						µg/l	5	A-T-006W
Bromodichloromethane (leachable) _A	<10	<10						µg/l	10	A-T-006W
Bromoform (leachable) _A	<1	<1						µg/l	1	A-T-006W
Bromomethane (leachable) _A	<1	<1						µg/l	1	A-T-006W
Carbon Disulphide (leachable) _A	<1	<1						µg/l	1	A-T-006W
Carbon Tetrachloride (leachable) _A	<1	<1						µg/l	1	A-T-006W
Chlorobenzene (leachable) _A	<1	<1						µg/l	1	A-T-006W
Chloroethane (leachable) _A	<1	<1						µg/l	1	A-T-006W
Chloroform (leachable) _A	<4	<4						µg/l	1	A-T-006W
Chloromethane (leachable) _A	<10	<10						µg/l	10	A-T-006W
cis 1,2-Dichloroethene (leachable) _A	<1	<1						µg/l	1	A-T-006W
cis 1,3-Dichloropropene (leachable) _A	<1	<1						µg/l	1	A-T-006W

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Client Sample No										
Client Sample ID	BH02	BH02								
Depth to Top	1.20	3.50								
Depth To Bottom										
Date Sampled	05-Jan-22	05-Jan-22								
Sample Type	Soil	Soil								
Sample Matrix Code	6A	6A								
TPH CWG (leachable)										
Ali >C5-C6 (leachable) _A	<1	<1						µg/l	1	A-T-022w
Ali >C6-C8 (leachable) _A	<1	<1						µg/l	1	A-T-022w
Ali >C8-C10 (leachable) _A	<10	<10						µg/l	10	A-T-035w
Ali >C10-C12 (leachable) _A	<10	<10						µg/l	10	A-T-035w
Ali >C12-C16 (leachable) _A	<10	<10						µg/l	10	A-T-035w
Ali >C16-C21 (leachable) _A	<10	<10						µg/l	10	A-T-035w
Ali >C21-C35 (leachable) _A	39	28						µg/l	20	A-T-035w
Total Aliphatics (leachable) _A	39	28						µg/l	10	A-T-035w
Aro >C5-C7 (leachable) _A	<1	<1						µg/l	1	A-T-022w
Aro >C7-C8 (leachable) _A	<1	<1						µg/l	1	A-T-022w
Aro >C8-C10 (leachable) _A	33	24						µg/l	10	A-T-035w
Aro >C10-C12 (leachable) _A	153	160						µg/l	10	A-T-035w
Aro >C12-C16 (leachable) _A	102	95						µg/l	10	A-T-035w
Aro >C16-C21 (leachable) _A	33	28						µg/l	10	A-T-035w
Total Aromatics (leachable) _A	321	307						µg/l	20	A-T-035w
TPH (Ali & Aro >C5-C35) (leachable) _A	360	335						µg/l	20	A-T-035w
BTEX - Benzene (leachable) _A	<1	<1						µg/l	1	A-T-022w
BTEX - Toluene (leachable) _A	<1	<1						µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable) _A	<1	<1						µg/l	1	A-T-022w
BTEX - o Xylene (leachable) _A	<1	<1						µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable) _A	<1	<1						µg/l	1	A-T-022w
MTBE (leachable) _A	<1	<1						µg/l	1	A-T-022w
Aro >C21-C35 (leachable) _A	<20	<20						µg/l	20	A-T-035w

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Client Sample No									
Client Sample ID	BH02	BH02							
Depth to Top	1.20	3.50							
Depth To Bottom									
Date Sampled	05-Jan-22	05-Jan-22							
Sample Type	Soil	Soil							
Sample Matrix Code	6A	6A							
TPH CWG									
Ali >C5-C6 _A [#]	<0.01	<0.01					mg/kg	0.01	A-T-022a
Ali >C6-C8 _A [#]	<0.01	<0.01					mg/kg	0.01	A-T-022a
Ali >C8-C10 _A	2	<1					mg/kg	1	A-T-055a
Ali >C10-C12 _A ^{##}	4	2					mg/kg	1	A-T-055a
Ali >C12-C16 _A ^{##}	14	6					mg/kg	1	A-T-055a
Ali >C16-C21 _A ^{##}	14	8					mg/kg	1	A-T-055a
Ali >C21-C35 _A ^{##}	202	82					mg/kg	1	A-T-055a
Total Aliphatics _A	236	98					mg/kg	1	A-T-055a
Aro >C5-C7 _A [#]	<0.01	<0.01					mg/kg	0.01	A-T-022a
Aro >C7-C8 _A [#]	<0.01	<0.01					mg/kg	0.01	A-T-022a
Aro >C8-C10 _A	6	4					mg/kg	1	A-T-055a
Aro >C10-C12 _A	139	69					mg/kg	1	A-T-055a
Aro >C12-C16 _A	103	48					mg/kg	1	A-T-055a
Aro >C16-C21 _A ^{##}	114	51					mg/kg	1	A-T-055a
Aro >C21-C35 _A ^{##}	157	73					mg/kg	1	A-T-055a
Total Aromatics _A	519	246					mg/kg	1	A-T-055a
TPH (Ali & Aro >C5-C35) _A	755	344					mg/kg	1	A-T-055a
BTEX - Benzene _A [#]	<0.01	<0.01					mg/kg	0.01	A-T-022a
BTEX - Toluene _A [#]	<0.01	<0.01					mg/kg	0.01	A-T-022a
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01					mg/kg	0.01	A-T-022a
BTEX - m & p Xylene _A [#]	<0.01	<0.01					mg/kg	0.01	A-T-022a
BTEX - o Xylene _A [#]	<0.01	<0.01					mg/kg	0.01	A-T-022a
MTBE _A [#]	<0.01	<0.01					mg/kg	0.01	A-T-022a

REPORT NOTES

General

This report shall not be reproduced, except in full, without written approval from Envirolab.

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample, 9 = INCINERATOR ASH.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: UA Antia (UK) Ltd Geoenvironmental Solutions, The Enterprise Centre,
Manchester, M22 8LF

Project: Kay Bridge, Summerseat

Clients Project No:

Project No: 22/00110

Date Received: 10/01/2022 (am)

Cool Box Temperatures (°C): 6.3

NO DEVIATIONS IDENTIFIED with respect to sampling dates or containers received.

Note: If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3 (for water samples $5 \pm 3^{\circ}\text{C}$), ISO 18400-105:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

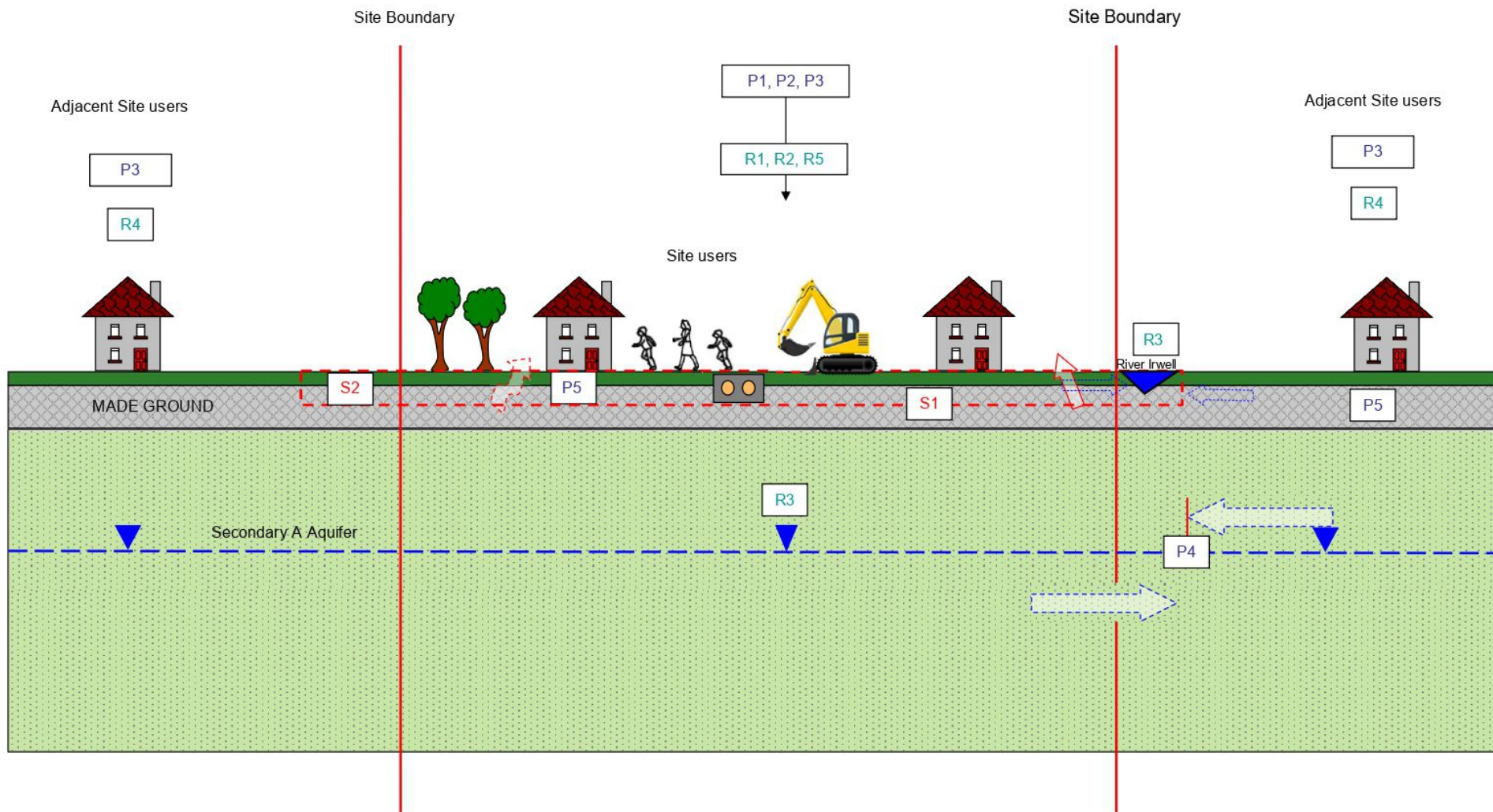
Lab Sample ID	22/00110/1	22/00110/2
Client Sample No		
Client Sample ID/Depth	BH02 1.20m	BH02 3.50m
Date Sampled	05/01/22	05/01/22
A-T-006s	13/01/2022	13/01/2022
A-T-006w	17/01/2022	17/01/2022
A-T-019s	12/01/2022	12/01/2022
A-T-019w	17/01/2022	17/01/2022
A-T-022s	13/01/2022	13/01/2022
A-T-022w	17/01/2022	17/01/2022
A-T-024s	13/01/2022	13/01/2022
A-T-025w	19/01/2022	19/01/2022
A-T-026s	13/01/2022	13/01/2022
A-T-026w	17/01/2022	17/01/2022
A-T-031s	13/01/2022	13/01/2022
A-T-031w	17/01/2022	17/01/2022
A-T-042sTCN	11/01/2022	11/01/2022
A-T-042wTCN	17/01/2022	17/01/2022
A-T-044	13/01/2022	13/01/2022
A-T-045	11/01/2022	11/01/2022
A-T-050s	12/01/2022	12/01/2022
A-T-050w	12/01/2022	12/01/2022
A-T-052s	12/01/2022	12/01/2022
A-T-052w	17/01/2022	17/01/2022
A-T-055s	13/01/2022	13/01/2022
A-T-055w	17/01/2022	17/01/2022

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

APPENDIX 2

CONCEPTUAL SITE MODEL



Key

S1 – Potentially Contaminated Soil - Onsite

R1 Future site Users

R2 Construction Workers

R3 Controlled waters and surface water

R4 Adjacent Site Users

R5 Infrastructure & Buried services

P1 Direct Contact

P2 Ingestion

P3 Inhalation

P4 Leaching & Migration

P5 Vertical & lateral migration of ground gas



Ground gas migration



Leachate migration



Direct contact/ ingestion



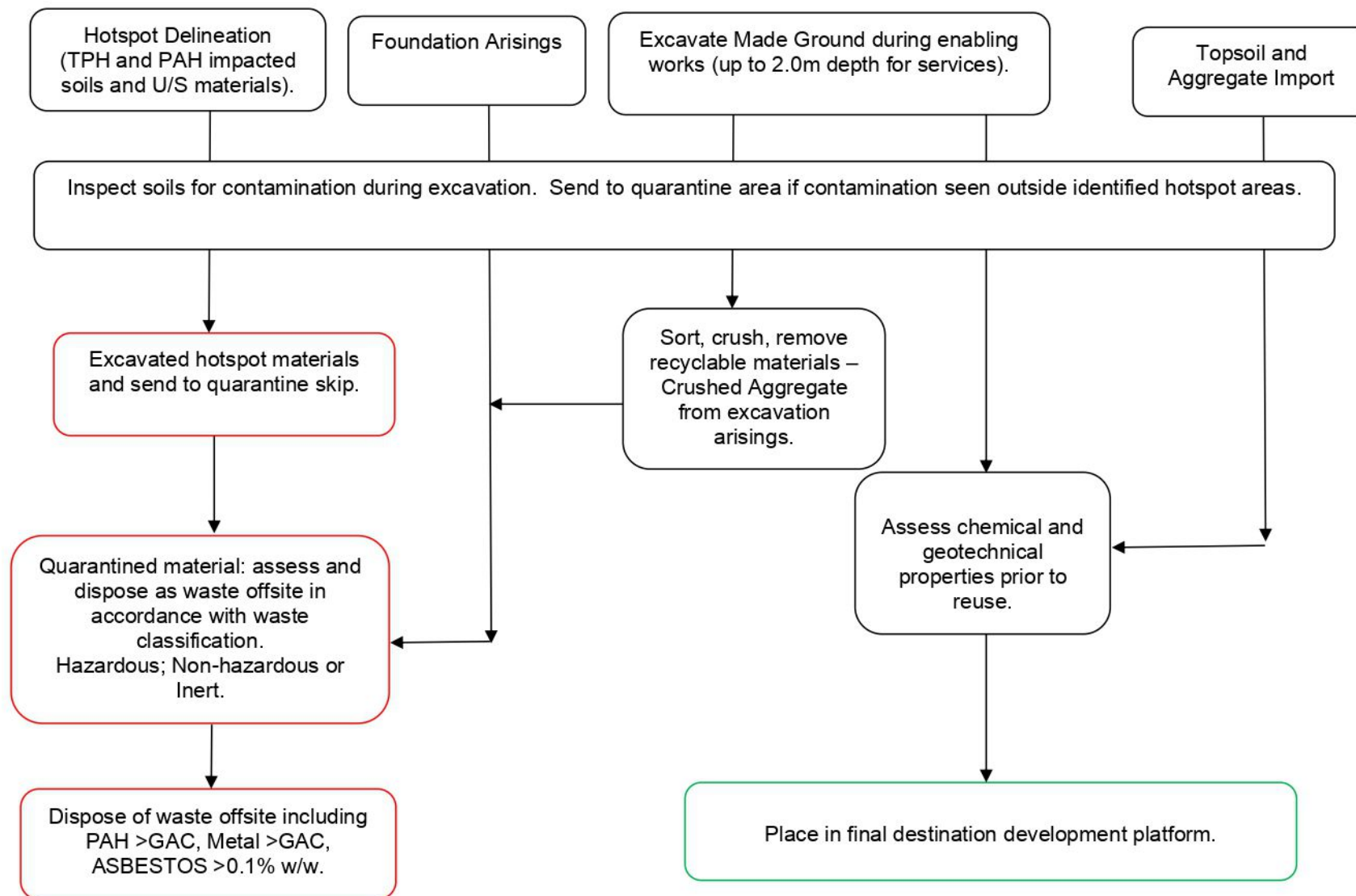
Underground services

	Client: Opolwood Developments Ltd		
	Project: Summerseat, Bury		
	Title: Site Model (CSM)		
Purpose: Report	Draft		Scale (at A3)
	Issue	1	Not to scale
Issuing Office: Manchester	Drawing number: Appendix 2		Version
Telephone: 0161 240 3536			A

APPENDIX 3

MATERIALS MANAGEMENT FLOW CHART

SUMMERSEAT, BURY - MATERIALS MANAGEMENT FLOW CHART



APPENDIX 4

SOIL SCREENING REMEDIATION VALUES

APPENDIX 4 SOIL SCREENING REMEDIATION VALUES (WITH HOME GROWN PRODUCE)

Determinand	Source	Unit	Criteria
Metal/Metalloids			
Asbestos	N/A	N/A	Not Detected
Arsenic (inorganic)	S4UL's	mg/kg	37
Cadmium	S4UL's	mg/kg	22
Chromium VI	S4UL's	mg/kg	21
Chromium III	S4UL's	mg/kg	6
Nickel	S4UL's	mg/kg	180
Lead	S4UL's	mg/kg	200
Inorganic Mercury	S4UL's	mg/kg	1.2
Selenium	S4UL's	mg/kg	250
Copper	S4UL's	mg/kg	2400
Zinc	S4UL's	mg/kg	3700
PAH's			
Acenaphthene	S4UL's	mg/kg	210
Anthracene	S4UL's	mg/kg	2400
Naphthalene	S4UL's	mg/kg	2.3
Phenanthrene	S4UL's	mg/kg	95
Fluorene	S4UL's	mg/kg	170
Fluoranthene	S4UL's	mg/kg	280
Benzo(a)anthracene	S4UL's	mg/kg	7.2
Benzo(a)pyrene	S4UL's	mg/kg	2.2
Benzo(b)fluoranthene	S4UL's	mg/kg	2.6
Benzo(g,h,i)perylene	S4UL's	mg/kg	320
Benzo(k)fluoranthene	S4UL's	mg/kg	77
Chrysene	S4UL's	mg/kg	15
Dibenzo(a,h)anthracene	S4UL's	mg/kg	0.24
Indeno(1,2,3-c,d)pyrene	S4UL's	mg/kg	27
Pyrene	S4UL's	mg/kg	620
Total PAHs	S4UL's	mg/kg	N/A
Phenol	S4UL's	mg/kg	120
BTEX and Related			
Benzene	S4UL's	mg/kg	0.087
Toluene	S4UL's	mg/kg	130
Ethyl benzene	S4UL's	mg/kg	47
Total Xylene	S4UL's	mg/kg	60
TPH			
TPH (>EC5-6) Aliphatic	S4UL's	mg/kg	42
TPH (>EC6-8) Aliphatic	S4UL's	mg/kg	100
TPH (>EC8-10) Aliphatic	S4UL's	mg/kg	27

TPH (>EC10-12) Aliphatic	S4UL's	mg/kg	90
TPH (>EC12-16) Aliphatic	S4UL's	mg/kg	130
TPH (>EC16-35) Aliphatic	N/A*	mg/kg	500
TPH (>EC35-44) Aliphatic	N/A*	mg/kg	500
TPH (>EC5-7) Aromatic	S4UL's	mg/kg	70
TPH (>EC7-8) Aromatic	S4UL's	mg/kg	130
TPH (>EC8-10) Aromatic	S4UL's	mg/kg	34
TPH (>EC10-12) Aromatic	S4UL's	mg/kg	74
TPH (>EC12-16) Aromatic	S4UL's	mg/kg	140
TPH (>EC16-21) Aromatic	S4UL's	mg/kg	260
TPH (>EC21-35) Aromatic	N/A*	mg/kg	500
TPH (>EC35-44) Aromatic	N/A*	mg/kg	500

N/A* - For avoidance of visual and olfactory contamination in imported soils.

APPENDIX 5
DAILY MATERIALS TRACKING SHEET