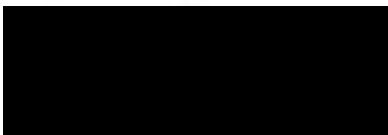




Final Report

Report No.:	23-11187-1	
Initial Date of Issue:	18-Apr-2023	
Client	Soiltechnics Limited	
Client Address:	Cedar Barn White Lodge Walgrave Northampton Northamptonshire NN6 9PY	
Contact(s):	Admin	
Project	STV5959 Barrington Road, Worthing	
Quotation No.:		Date Received: 04-Apr-2023
Order No.:	POR015088	Date Instructed: 05-Apr-2023
No. of Samples:	7	
Turnaround (Wkdays):	7	Results Due: 17-Apr-2023
Date Approved:	18-Apr-2023	
Approved By:		
Details:	Stuart Henderson, Technical Manager	

Results - Soil

Project: STV5959 Barrington Road, Worthing

Client: Soiltechnics Limited	Chemtest Job No.:				23-11187	23-11187	23-11187	23-11187	23-11187	23-11187	23-11187
Quotation No.:	Chemtest Sample ID.:				1618362	1618363	1618364	1618365	1618366	1618367	1618368
Order No.: POR015088	Client Sample Ref.:				1	3	1	2	1	3	1
	Client Sample ID.:				BH3020.251	BH3021.253	WS3030.201	WS3040.752	WS3050.251	WS3051.253	WS3060.251
	Sample Location:				BH302	BH302	WS303	WS304	WS305	WS305	WS306
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	1.25	0.2	0.75	0.25	1.25	0.25
	Date Sampled:				27-Mar-2023	27-Mar-2023	28-Mar-2023	27-Mar-2023	27-Mar-2023	27-Mar-2023	27-Mar-2023
	Asbestos Lab:				NEW-ASB		NEW-ASB	NEW-ASB	NEW-ASB		NEW-ASB
Determinand	Accred.	SOP	Units	LOD							
ACM Type	U	2192		N/A	-		-	-	-		-
Asbestos Identification	U	2192		N/A	No Asbestos Detected		No Asbestos Detected	No Asbestos Detected	No Asbestos Detected		No Asbestos Detected
Moisture	N	2030	%	0.020	5.0	15		13		3.8	16
pH	M	2010		4.0	11.7			8.3		8.9	
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.76			0.49		0.47	
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.23			0.039		0.019	
Nitrate (Water Soluble)	N	2220	g/l	0.010	< 0.010			< 0.010		< 0.010	
Cyanide (Complex)	M	2300	mg/kg	0.50	< 0.50			0.50		0.90	
Cyanide (Free)	M	2300	mg/kg	0.50	< 0.50			< 0.50		< 0.50	
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50			0.50		0.90	
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	1.7			5.4		5.5	
Arsenic	M	2455	mg/kg	0.5	13			9.1		4.2	
Beryllium	U	2455	mg/kg	0.5	< 0.5			1.2		< 0.5	
Cadmium	M	2455	mg/kg	0.10	0.10			0.18		< 0.10	
Chromium	M	2455	mg/kg	0.5	12			31		7.0	
Copper	M	2455	mg/kg	0.50	7.1			17		3.9	
Mercury	M	2455	mg/kg	0.05	< 0.05			< 0.05		< 0.05	
Nickel	M	2455	mg/kg	0.50	9.6			29		11	
Lead	M	2455	mg/kg	0.50	8.9			14		11	
Selenium	M	2455	mg/kg	0.25	< 0.25			1.0		< 0.25	
Vanadium	U	2455	mg/kg	0.5	23			43		15	
Zinc	M	2455	mg/kg	0.50	35			51		17	
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50			< 0.50		< 0.50	
Aliphatic VPH >C5-C6	M	2780	mg/kg	0.05	< 0.05						< 0.05
Aliphatic VPH >C6-C7	M	2780	mg/kg	0.05	< 0.05						< 0.05
Aliphatic VPH >C7-C8	M	2780	mg/kg	0.05	< 0.05						< 0.05
Aliphatic VPH >C8-C10	M	2780	mg/kg	0.05	< 0.05						< 0.05
Total Aliphatic VPH >C5-C10	M	2780	mg/kg	0.25	< 0.25						< 0.25
Aliphatic EPH >C10-C12	M	2690	mg/kg	2.00	< 2.0						< 2.0
Aliphatic EPH >C12-C16	M	2690	mg/kg	1.00	2.7						2.0
Aliphatic EPH >C16-C21	M	2690	mg/kg	2.00	120						2.1
Aliphatic EPH >C21-C35	M	2690	mg/kg	3.00	67						5.5
Aliphatic EPH >C35-C40	N	2690	mg/kg	10.00	< 10						< 10
Total Aliphatic EPH >C10-C35	M	2690	mg/kg	5.00	190						11
Total Aliphatic EPH >C10-C40	N	2690	mg/kg	10.00	190						11
Aromatic VPH >C5-C7	M	2780	mg/kg	0.05	< 0.05						< 0.05

Results - Soil

Project: STV5959 Barrington Road, Worthing

Client: Soiltechnics Limited	Chemtest Job No.:				23-11187	23-11187	23-11187	23-11187	23-11187	23-11187	23-11187
Quotation No.:	Chemtest Sample ID.:				1618362	1618363	1618364	1618365	1618366	1618367	1618368
Order No.: POR015088	Client Sample Ref.:				1	3	1	2	1	3	1
	Client Sample ID.:				BH3020.251	BH3021.253	WS3030.201	WS3040.752	WS3050.251	WS3051.253	WS3060.251
	Sample Location:				BH302	BH302	WS303	WS304	WS305	WS305	WS306
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	1.25	0.2	0.75	0.25	1.25	0.25
	Date Sampled:				27-Mar-2023	27-Mar-2023	28-Mar-2023	27-Mar-2023	27-Mar-2023	27-Mar-2023	27-Mar-2023
	Asbestos Lab:				NEW-ASB		NEW-ASB	NEW-ASB	NEW-ASB		NEW-ASB
Determinand	Accred.	SOP	Units	LOD							
Aromatic VPH >C7-C8	M	2780	mg/kg	0.05	< 0.05						< 0.05
Aromatic VPH >C8-C10	M	2780	mg/kg	0.05	< 0.05						< 0.05
Total Aromatic VPH >C5-C10	M	2780	mg/kg	0.25	< 0.25						< 0.25
Aromatic EPH >C10-C12	M	2690	mg/kg	1.00	6.5						8.1
Aromatic EPH >C12-C16	M	2690	mg/kg	1.00	13						13
Aromatic EPH >C16-C21	N	2690	mg/kg	2.00	35						20
Aromatic EPH >C21-C35	M	2690	mg/kg	2.00	36						6.2
Aromatic EPH >C35-C40	N	2690	mg/kg	1.00	8.4						9.6
Total Aromatic EPH >C10-C35	M	2690	mg/kg	5.00	91						47
Total Aromatic EPH >C10-C40	N	2690	mg/kg	10.00	99						57
Total VPH >C5-C10	M	2780	mg/kg	0.50	< 0.50						< 0.50
Total EPH >C10-C35	M	2690	mg/kg	10.00	280						58
Total EPH >C10-C40	N	2690	mg/kg	10.00	290						68
Organic Matter	M	2625	%	0.40	1.3	1.3		0.44		5.8	2.3
Total Organic Carbon	M	2625	%	0.20		0.76					1.3
Aliphatic TPH >C5-C6	N	2680	mg/kg	0.010		< 0.010					
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0				< 1.0		< 1.0	
Aliphatic TPH >C6-C8	N	2680	mg/kg	0.010		< 0.010					
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0				< 1.0		< 1.0	
Aliphatic TPH >C8-C10	N	2680	mg/kg	0.10		< 0.10					
Aliphatic TPH >C8-C10	N	2680	mg/kg	1.0				< 1.0		< 1.0	
Aliphatic TPH >C10-C12	N	2680	mg/kg	0.10		< 0.10					
Aliphatic TPH >C10-C12	N	2680	mg/kg	1.0				< 1.0		< 1.0	
Aliphatic TPH >C12-C16	N	2680	mg/kg	0.10		< 0.10					
Aliphatic TPH >C12-C16	N	2680	mg/kg	1.0				< 1.0		< 1.0	
Aliphatic TPH >C16-C21	N	2680	mg/kg	0.10		< 0.10					
Aliphatic TPH >C16-C21	N	2680	mg/kg	1.0				< 1.0		< 1.0	
Aliphatic TPH >C21-C35	N	2680	mg/kg	0.10		< 0.10					
Aliphatic TPH >C21-C35	N	2680	mg/kg	1.0				< 1.0		< 1.0	
Aliphatic TPH >C35-C44	N	2680	mg/kg	0.10		< 0.10					
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0				< 1.0		< 1.0	
Total Aliphatic Hydrocarbons	N	2680	mg/kg	1.0		< 1.0					
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0				< 5.0		< 5.0	
Aromatic TPH >C5-C7	N	2680	mg/kg	0.010		< 0.010					
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0				< 1.0		< 1.0	
Aromatic TPH >C7-C8	N	2680	mg/kg	0.010		< 0.010					
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0				< 1.0		< 1.0	

Results - Soil

Project: STV5959 Barrington Road, Worthing

Client: Soiltechnics Limited	Chemtest Job No.:		23-11187	23-11187	23-11187	23-11187	23-11187	23-11187	23-11187
Quotation No.:	Chemtest Sample ID.:		1618362	1618363	1618364	1618365	1618366	1618367	1618368
Order No.: POR015088	Client Sample Ref.:		1	3	1	2	1	3	1
	Client Sample ID.:		BH3020.251	BH3021.253	WS3030.201	WS3040.752	WS3050.251	WS3051.253	WS3060.251
	Sample Location:		BH302	BH302	WS303	WS304	WS305	WS305	WS306
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.25	1.25	0.2	0.75	0.25	1.25	0.25
	Date Sampled:		27-Mar-2023	27-Mar-2023	28-Mar-2023	27-Mar-2023	27-Mar-2023	27-Mar-2023	27-Mar-2023
	Asbestos Lab:		NEW-ASB		NEW-ASB	NEW-ASB	NEW-ASB		NEW-ASB
Determinand	Accred.	SOP	Units	LOD					
Aromatic TPH >C8-C10	N	2680	mg/kg	0.10		< 0.10			
Aromatic TPH >C8-C10	N	2680	mg/kg	1.0			< 1.0	< 1.0	
Aromatic TPH >C10-C12	N	2680	mg/kg	0.10		< 0.10			
Aromatic TPH >C10-C12	N	2680	mg/kg	1.0			< 1.0	< 1.0	
Aromatic TPH >C12-C16	N	2680	mg/kg	0.10		< 0.10			
Aromatic TPH >C12-C16	N	2680	mg/kg	1.0			< 1.0	< 1.0	
Aromatic TPH >C16-C21	N	2680	mg/kg	0.10		< 0.10			
Aromatic TPH >C16-C21	N	2680	mg/kg	1.0			< 1.0	< 1.0	
Aromatic TPH >C21-C35	N	2680	mg/kg	0.10		< 0.10			
Aromatic TPH >C21-C35	N	2680	mg/kg	1.0			< 1.0	< 1.0	
Aromatic TPH >C35-C44	N	2680	mg/kg	0.10		< 0.10			
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0			< 1.0	< 1.0	
Total Aromatic Hydrocarbons	N	2680	mg/kg	1.0		< 1.0			
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0			< 5.0	< 5.0	
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0			< 10	< 10	
Total Petroleum Hydrocarbons	N	2680	mg/kg	2.0		< 2.0			
Dichlorodifluoromethane	U	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Chloromethane	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Vinyl Chloride	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Bromomethane	M	2760	µg/kg	20	< 20		< 20	< 20	
Chloroethane	U	2760	µg/kg	2.0	< 2.0		< 2.0	< 2.0	
Trichlorofluoromethane	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,1-Dichloroethene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Trans 1,2-Dichloroethene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,1-Dichloroethane	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
cis 1,2-Dichloroethene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Bromochloromethane	U	2760	µg/kg	5.0	< 5.0		< 5.0	< 5.0	
Trichloromethane	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,1,1-Trichloroethane	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Tetrachloromethane	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,1-Dichloropropene	U	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Benzene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	M	2760	µg/kg	2.0	< 2.0		< 2.0	< 2.0	
Trichloroethene	N	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,2-Dichloropropane	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Dibromomethane	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Bromodichloromethane	M	2760	µg/kg	5.0	< 5.0		< 5.0	< 5.0	

Results - Soil

Project: STV5959 Barrington Road, Worthing

Client: Soiltechnics Limited	Chemtest Job No.:		23-11187	23-11187	23-11187	23-11187	23-11187	23-11187	23-11187
Quotation No.:	Chemtest Sample ID.:		1618362	1618363	1618364	1618365	1618366	1618367	1618368
Order No.: POR015088	Client Sample Ref.:		1	3	1	2	1	3	1
	Client Sample ID.:		BH3020.251	BH3021.253	WS3030.201	WS3040.752	WS3050.251	WS3051.253	WS3060.251
	Sample Location:		BH302	BH302	WS303	WS304	WS305	WS305	WS306
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.25	1.25	0.2	0.75	0.25	1.25	0.25
	Date Sampled:		27-Mar-2023	27-Mar-2023	28-Mar-2023	27-Mar-2023	27-Mar-2023	27-Mar-2023	27-Mar-2023
	Asbestos Lab:		NEW-ASB		NEW-ASB	NEW-ASB	NEW-ASB		NEW-ASB
Determinand	Accred.	SOP	Units	LOD					
cis-1,3-Dichloropropene	N	2760	µg/kg	10	< 10		< 10	< 10	
Toluene	M	2760	µg/kg	1.0	1.3	1.4	1.1	1.1	1.4
Trans-1,3-Dichloropropene	N	2760	µg/kg	10	< 10		< 10	< 10	
1,1,2-Trichloroethane	M	2760	µg/kg	10	< 10		< 10	< 10	
Tetrachloroethene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,3-Dichloropropane	U	2760	µg/kg	2.0	< 2.0		< 2.0	< 2.0	
Dibromochloromethane	U	2760	µg/kg	10	< 10		< 10	< 10	
1,2-Dibromoethane	M	2760	µg/kg	5.0	< 5.0		< 5.0	< 5.0	
Chlorobenzene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,1,1,2-Tetrachloroethane	M	2760	µg/kg	2.0	< 2.0		< 2.0	< 2.0	
Ethylbenzene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	M	2760	µg/kg	1.0	2.7		< 1.0	< 1.0	
Tribromomethane	U	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Isopropylbenzene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Bromobenzene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,2,3-Trichloropropane	N	2760	µg/kg	50	< 50		< 50	< 50	
N-Propylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
2-Chlorotoluene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,3,5-Trimethylbenzene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
4-Chlorotoluene	U	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Tert-Butylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,2,4-Trimethylbenzene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Sec-Butylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,3-Dichlorobenzene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
4-Isopropyltoluene	U	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,4-Dichlorobenzene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
N-Butylbenzene	U	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,2-Dichlorobenzene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50	< 50		< 50	< 50	
1,2,4-Trichlorobenzene	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
Hexachlorobutadiene	N	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0	< 2.0		< 2.0	< 2.0	
Carbon Disulphide	N	2760	µg/kg	50	< 50		< 50	< 50	
Methyl Tert-Butyl Ether	M	2760	µg/kg	1.0	< 1.0		< 1.0	< 1.0	
N-Nitrosodimethylamine	N	2790	mg/kg	0.050	< 0.050		< 0.050	< 0.050	

Results - Soil

Project: STV5959 Barrington Road, Worthing

Client: Soiltechnics Limited	Chemtest Job No.:				23-11187	23-11187	23-11187	23-11187	23-11187	23-11187	23-11187
Quotation No.:	Chemtest Sample ID.:				1618362	1618363	1618364	1618365	1618366	1618367	1618368
Order No.: POR015088	Client Sample Ref.:				1	3	1	2	1	3	1
	Client Sample ID.:				BH3020.251	BH3021.253	WS3030.201	WS3040.752	WS3050.251	WS3051.253	WS3060.251
	Sample Location:				BH302	BH302	WS303	WS304	WS305	WS305	WS306
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	1.25	0.2	0.75	0.25	1.25	0.25
	Date Sampled:				27-Mar-2023	27-Mar-2023	28-Mar-2023	27-Mar-2023	27-Mar-2023	27-Mar-2023	27-Mar-2023
	Asbestos Lab:				NEW-ASB		NEW-ASB	NEW-ASB	NEW-ASB		NEW-ASB
Determinand	Accred.	SOP	Units	LOD							
Phenol	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
2-Chlorophenol	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Bis-(2-Chloroethyl)Ether	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
1,3-Dichlorobenzene	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
1,4-Dichlorobenzene	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
1,2-Dichlorobenzene	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
2-Methylphenol	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Bis(2-Chloroisopropyl)Ether	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Hexachloroethane	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
N-Nitrosodi-n-propylamine	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
4-Methylphenol	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Nitrobenzene	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Isophorone	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
2-Nitrophenol	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
2,4-Dimethylphenol	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Bis(2-Chloroethoxy)Methane	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
2,4-Dichlorophenol	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
1,2,4-Trichlorobenzene	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Naphthalene	N	2790	mg/kg	0.050	0.43			< 0.050		< 0.050	
4-Chloroaniline	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Hexachlorobutadiene	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
4-Chloro-3-Methylphenol	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
2-Methylnaphthalene	N	2790	mg/kg	0.050	0.48			< 0.050		< 0.050	
Hexachlorocyclopentadiene	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
2,4,6-Trichlorophenol	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
2,4,5-Trichlorophenol	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
2-Chloronaphthalene	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
2-Nitroaniline	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Acenaphthylene	N	2790	mg/kg	0.050	1.9			< 0.050		0.062	
Dimethylphthalate	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
2,6-Dinitrotoluene	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Acenaphthene	N	2790	mg/kg	0.050	1.3			< 0.050		< 0.050	
3-Nitroaniline	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Dibenzofuran	N	2790	mg/kg	0.050	1.5			< 0.050		< 0.050	
4-Chlorophenylphenylether	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
2,4-Dinitrotoluene	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Fluorene	N	2790	mg/kg	0.050	1.5			< 0.050		< 0.050	

Results - Soil

Project: STV5959 Barrington Road, Worthing

Client: Soiltechnics Limited	Chemtest Job No.:				23-11187	23-11187	23-11187	23-11187	23-11187	23-11187	23-11187
Quotation No.:	Chemtest Sample ID.:				1618362	1618363	1618364	1618365	1618366	1618367	1618368
Order No.: POR015088	Client Sample Ref.:				1	3	1	2	1	3	1
	Client Sample ID.:				BH3020.251	BH3021.253	WS3030.201	WS3040.752	WS3050.251	WS3051.253	WS3060.251
	Sample Location:				BH302	BH302	WS303	WS304	WS305	WS305	WS306
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	1.25	0.2	0.75	0.25	1.25	0.25
	Date Sampled:				27-Mar-2023	27-Mar-2023	28-Mar-2023	27-Mar-2023	27-Mar-2023	27-Mar-2023	27-Mar-2023
	Asbestos Lab:				NEW-ASB		NEW-ASB	NEW-ASB	NEW-ASB		NEW-ASB
Determinand	Accred.	SOP	Units	LOD							
Diethyl Phthalate	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
4-Nitroaniline	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Azobenzene	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
4-Bromophenylphenyl Ether	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Hexachlorobenzene	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Pentachlorophenol	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Phenanthrene	N	2790	mg/kg	0.050	37			< 0.050		0.69	
Anthracene	N	2790	mg/kg	0.050	6.5			< 0.050		0.24	
Carbazole	N	2790	mg/kg	0.050	1.7			< 0.050		0.10	
Di-N-Butyl Phthalate	N	2790	mg/kg	0.050	0.053			< 0.050		< 0.050	
Fluoranthene	N	2790	mg/kg	0.050	30			< 0.050		2.6	
Pyrene	N	2790	mg/kg	0.050	61			< 0.050		2.2	
Butylbenzyl Phthalate	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Benzo[a]anthracene	N	2790	mg/kg	0.050	52			< 0.050		1.4	
Chrysene	N	2790	mg/kg	0.050	26			< 0.050		1.6	
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.050	0.42			< 0.050		< 0.050	
Di-N-Octyl Phthalate	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
Benzo[b]fluoranthene	N	2790	mg/kg	0.050	25			< 0.050		2.5	
Benzo[k]fluoranthene	N	2790	mg/kg	0.050	8.3			< 0.050		0.70	
Benzo[a]pyrene	N	2790	mg/kg	0.050	26			< 0.050		1.8	
Indeno(1,2,3-c,d)Pyrene	N	2790	mg/kg	0.050	9.5			< 0.050		1.3	
Dibenz(a,h)Anthracene	N	2790	mg/kg	0.050	2.4			< 0.050		0.29	
Benzo[g,h,i]perylene	N	2790	mg/kg	0.050	12			< 0.050		1.5	
4-Nitrophenol	N	2790	mg/kg	0.050	< 0.050			< 0.050		< 0.050	
PCB 28	U	2815	mg/kg	0.010	< 0.010						< 0.010
PCB 52	U	2815	mg/kg	0.010	< 0.010						< 0.010
PCB 90+101	U	2815	mg/kg	0.010	< 0.010						< 0.010
PCB 118	U	2815	mg/kg	0.010	< 0.010						< 0.010
PCB 153	U	2815	mg/kg	0.010	< 0.010						< 0.010
PCB 138	U	2815	mg/kg	0.010	< 0.010						< 0.010
PCB 180	U	2815	mg/kg	0.010	< 0.010						< 0.010
Total PCBs (7 Congeners)	U	2815	mg/kg	0.10	< 0.10						< 0.10
Total Phenols	M	2920	mg/kg	0.10	< 0.10			< 0.10		< 0.10	
VOC TIC	N	2760	µg/kg	N/A	None Detected			None Detected		None Detected	

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2300	Cyanides & Thiocyanate in Soils	Free (or easily liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8, >C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35–C44 Aromatics: >C5–C7, >C7–C8, >C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35–C44	Dichloromethane extraction / GCxGC FID detection
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35–C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35–C40	Acetone/Heptane extraction / GCxGC FID detection
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7, >C7–C8, >C8–C10 Aromatics: >C5–C7, >C7–C8, >C8–C10	Water extraction / Headspace GCxGC FID detection
2790	Semi-Volatile Organic Compounds (SVOCs) in Soils by GC-MS	Semi-volatile organic compounds(cf. USEPA Method 8270)	Acetone/Hexane extraction / GC-MS
2815	Polychlorinated Biphenyls (PCB) ICES7 Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and Trimethylphenols Note: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	Compliance Test for Leaching of Granular Waste Material and Sludge

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com