



Final Report

Report No.: 26-21719-1

Initial Date of Issue: 24-Jul-2026

Re-Issue Details:

Client *Earth Science Partnership*

Client Address: *33 Cardiff Road
Taffs Well
Cardiff
CF15 7RB*

Contact(s): *emily.wilson@earthsciencepartnership.com;
danilo@earthsciencepartnership.com*

Project *ESP Suites*

Quotation No.: *Q26-40431* **Date Received:** 16-Jul-2026

Order No.: 14355/PHILLIPS ROOFING/9766/EW **Date Instructed:** 16-Jul-2026

No. of Samples: 10

Turnaround (Wkdays): 5 **Results Due:** 22-Jul-2026

Date Approved: 24-Jul-2026

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: ESP Suites

Client: Earth Science Partnership		Chemtest Job No.:				26-21719	26-21719	26-21719	26-21719
Quotation No.: Q26-40431		Chemtest Sample ID.:				2137989	2137990	2137991	2137992
		Client Sample ID.:				WS01	WS01	WS02	WS03
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.4	0.8	0.65	0.5
		Bottom Depth (m):							
		Date Sampled:				16-Jun-2026	16-Jun-2026	16-Jun-2026	16-Jun-2026
		Time Sampled:				12:00	12:00	12:00	12:00
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
ACM Type		N	2192		N/A	-	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	9.2	14	9.6	9.0
Soil Colour		N	2030		N/A	Black	Brown	Brown	Brown
Other Material		N	2030		N/A	Stones	Stones	Stones	Stones
Soil Texture		N	2030		N/A	Sand	Sand	Loam	Loam
pH at 20C		M	2010		4.0	9.1	8.3	8.8	8.2
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	2.1	1.3	0.86	0.59
Cyanide (Total)		M	2300	mg/kg	0.50	0.80	< 0.50	1.1	1.2
Arsenic		M	2455	mg/kg	0.5	17	29	38	37
Barium		M	2455	mg/kg	0.5	310	820	950	500
Beryllium		U	2455	mg/kg	0.5	0.8	1.2	1.5	1.6
Cadmium		M	2455	mg/kg	0.10	1.2	0.25	1.8	140
Chromium		M	2455	mg/kg	0.5	14	20	30	140
Copper		M	2455	mg/kg	0.50	130	110	560	2300
Mercury		M	2455	mg/kg	0.05	0.40	0.10	0.20	0.57
Nickel		M	2455	mg/kg	0.50	24	54	70	160
Lead		M	2455	mg/kg	0.50	1000	52	440	1000
Selenium		M	2455	mg/kg	0.25	0.57	0.45	0.85	1.0
Vanadium		U	2455	mg/kg	0.5	30	37	48	48
Zinc		M	2455	mg/kg	0.50	620	70	660	2900
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aliphatic VPH >C5-C6	HS 2D AL	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS 2D AL	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	HS 2D AL	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C8 (Sum)	HS 2D AL	N	2780	mg/kg	0.10		< 0.10	< 0.10	< 0.10
Aliphatic VPH >C8-C10	HS 2D AL	U	2780	mg/kg	0.05		0.19	< 0.05	< 0.05
Total Aliphatic VPH >C5-C10	HS 2D AL	U	2780	mg/kg	0.25		< 0.25	< 0.25	< 0.25
Aromatic VPH >C5-C7	HS 2D AR	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	HS 2D AR	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	HS 2D AR	U	2780	mg/kg	0.05		< 0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	HS 2D AR	U	2780	mg/kg	0.25		< 0.25	< 0.25	< 0.25
Total VPH >C5-C10	HS 2D Total	U	2780	mg/kg	0.50		< 0.50	< 0.50	< 0.50
Aliphatic EPH >C10-C12	EH 2D AL #1	M	5002	mg/kg	2.00		96	< 2.0	4.4
Aliphatic EPH >C12-C16	EH 2D AL #1	M	5002	mg/kg	2.00		600	6.9	4.8
Aliphatic EPH >C16-C21	EH 2D AL #1	M	5002	mg/kg	2.00		940	33	15
Aliphatic EPH >C21-C35	EH 2D AL #1	M	5002	mg/kg	3.00		410	19	26
Aliphatic EPH >C35-C40	EH 2D AL #1	N	5002	mg/kg	10.00		< 10	< 10	< 10
Total Aliphatic EPH >C10-C35	EH 2D AL #1	M	5002	mg/kg	7.00		2000	59	51

Results - Soil

Project: ESP Suites

Client: Earth Science Partnership		Chemtest Job No.:				26-21719	26-21719	26-21719	26-21719
Quotation No.: Q26-40431		Chemtest Sample ID.:				2137989	2137990	2137991	2137992
		Client Sample ID.:				WS01	WS01	WS02	WS03
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.4	0.8	0.65	0.5
		Bottom Depth (m):							
		Date Sampled:				16-Jun-2026	16-Jun-2026	16-Jun-2026	16-Jun-2026
		Time Sampled:				12:00	12:00	12:00	12:00
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
Total Aliphatic EPH >C10-C40	EH 2D AL #1	N	5002	mg/kg	10.00		2100	64	51
Aromatic EPH >C10-C12	EH 2D AR #1	U	5002	mg/kg	2.00		18	< 2.0	< 2.0
Aromatic EPH >C12-C16	EH 2D AR #1	U	5002	mg/kg	2.00		470	4.6	6.1
Aromatic EPH >C16-C21	EH 2D AR #1	U	5002	mg/kg	2.00		310	16	35
Aromatic EPH >C21-C35	EH 2D AR #1	U	5002	mg/kg	2.00		32	56	180
Aromatic EPH >C35-C40	EH 2D AR #1	N	5002	mg/kg	1.00		1.9	16	65
Total Aromatic EPH >C10-C35	EH 2D AR #1	U	5002	mg/kg	4.00		820	76	220
Total Aromatic EPH >C10-C40	EH 2D AR #1	N	5002	mg/kg	10.00		830	93	290
Total EPH >C10-C35	EH 2D Total #1	U	5002	mg/kg	10.00		2900	140	270
Total EPH >C10-C40	EH 2D Total #1	N	5002	mg/kg	10.00		2900	160	340
Organic Matter		M	2625	%	0.40	26	23	22	22
Benzene		M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0
Toluene		M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0
Ethylbenzene		M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0
m & p-Xylene		M	2760	µg/kg	1.0		< 1.0	1.0	< 1.0
o-Xylene		M	2760	µg/kg	1.0		< 1.0	< 1.0	< 1.0
Naphthalene		M	5003	mg/kg	0.05	0.14	< 0.05	< 0.05	0.14
Acenaphthylene		M	5003	mg/kg	0.05	0.12	< 0.05	< 0.05	0.12
Acenaphthene		M	5003	mg/kg	0.05	0.36	< 0.05	< 0.05	0.22
Fluorene		M	5003	mg/kg	0.05	0.70	0.94	< 0.05	0.18
Phenanthrene		M	5003	mg/kg	0.05	3.3	1.2	0.51	2.5
Anthracene		M	5003	mg/kg	0.05	0.91	0.36	0.14	0.49
Fluoranthene		M	5003	mg/kg	0.05	6.3	0.42	0.92	4.7
Pyrene		M	5003	mg/kg	0.05	5.8	0.38	0.81	3.9
Benzo[a]anthracene		M	5003	mg/kg	0.05	4.0	0.22	0.71	2.5
Chrysene		M	5003	mg/kg	0.05	4.5	0.33	0.74	2.9
Benzo[b]fluoranthene		M	5003	mg/kg	0.05	6.2	0.33	1.3	4.1
Benzo(k)Fluoranthene		M	5003	mg/kg	0.05	2.0	0.09	0.43	1.4
Benzo[a]pyrene		M	5003	mg/kg	0.05	3.8	0.16	1.0	2.8
Indeno(1,2,3-c,d)Pyrene		M	5003	mg/kg	0.05	2.4	0.12	0.81	2.1
Dibenz(a,h)Anthracene		M	5003	mg/kg	0.05	0.72	< 0.05	0.15	0.43
Benzo[g,h,i]perylene		M	5003	mg/kg	0.05	2.1	0.10	0.75	2.0
Total Of 16 PAH's		M	5003	mg/kg	0.05	43	4.6	8.3	30
Total Phenols		M	2920	mg/kg	0.10	0.13	< 0.10	< 0.10	< 0.10

Results - Soil

Project: ESP Suites

Client: Earth Science Partnership		Chemtest Job No.:				26-21719	26-21719	26-21719	26-21719
Quotation No.: Q26-40431		Chemtest Sample ID.:				2137993	2137994	2137995	2137996
		Client Sample ID.:				WS06	WS07	WS07	WS06
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.4	0.25	0.70	1.1
		Bottom Depth (m):							
		Date Sampled:				17-Jun-2026	17-Jun-2026	17-Jun-2026	17-Jun-2026
		Time Sampled:				12:00	12:00	12:00	12:00
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
ACM Type		N	2192		N/A	-	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	9.9	9.6	16	11
Soil Colour		N	2030		N/A	Black	Brown	Brown	Brown
Other Material		N	2030		N/A	Stones	Stones	Stones	Stones
Soil Texture		N	2030		N/A	Sand	Sand	Sand	Sand
pH at 20C		M	2010		4.0	7.8	10.2	9.4	8.5
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	3.7	1.1	0.75	< 0.40
Cyanide (Total)		M	2300	mg/kg	0.50	31	1.5	< 0.50	< 0.50
Arsenic		M	2455	mg/kg	0.5	63	11	34	110
Barium		M	2455	mg/kg	0.5	1200	190	220	390
Beryllium		U	2455	mg/kg	0.5	0.8	< 0.5	1.5	0.8
Cadmium		M	2455	mg/kg	0.10	47	3.2	0.56	0.52
Chromium		M	2455	mg/kg	0.5	130	14	17	11
Copper		M	2455	mg/kg	0.50	3500	250	130	100
Mercury		M	2455	mg/kg	0.05	1.6	0.17	0.11	0.24
Nickel		M	2455	mg/kg	0.50	190	23	57	32
Lead		M	2455	mg/kg	0.50	5300	650	72	78
Selenium		M	2455	mg/kg	0.25	2.6	0.30	0.81	1.9
Vanadium		U	2455	mg/kg	0.5	56	12	33	25
Zinc		M	2455	mg/kg	0.50	9600	1000	170	140
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Aliphatic VPH >C5-C6	HS 2D AL	U	2780	mg/kg	0.05		< 0.05		
Aliphatic VPH >C6-C7	HS 2D AL	U	2780	mg/kg	0.05		< 0.05		
Aliphatic VPH >C7-C8	HS 2D AL	U	2780	mg/kg	0.05		< 0.05		
Aliphatic VPH >C6-C8 (Sum)	HS 2D AL	N	2780	mg/kg	0.10		< 0.10		
Aliphatic VPH >C8-C10	HS 2D AL	U	2780	mg/kg	0.05		< 0.05		
Total Aliphatic VPH >C5-C10	HS 2D AL	U	2780	mg/kg	0.25		< 0.25		
Aromatic VPH >C5-C7	HS 2D AR	U	2780	mg/kg	0.05		< 0.05		
Aromatic VPH >C7-C8	HS 2D AR	U	2780	mg/kg	0.05		< 0.05		
Aromatic VPH >C8-C10	HS 2D AR	U	2780	mg/kg	0.05		< 0.05		
Total Aromatic VPH >C5-C10	HS 2D AR	U	2780	mg/kg	0.25		< 0.25		
Total VPH >C5-C10	HS 2D Total	U	2780	mg/kg	0.50		< 0.50		
Aliphatic EPH >C10-C12	EH 2D AL #1	M	5002	mg/kg	2.00		< 2.0		
Aliphatic EPH >C12-C16	EH 2D AL #1	M	5002	mg/kg	2.00		< 2.0		
Aliphatic EPH >C16-C21	EH 2D AL #1	M	5002	mg/kg	2.00		98		
Aliphatic EPH >C21-C35	EH 2D AL #1	M	5002	mg/kg	3.00		130		
Aliphatic EPH >C35-C40	EH 2D AL #1	N	5002	mg/kg	10.00		16		
Total Aliphatic EPH >C10-C35	EH 2D AL #1	M	5002	mg/kg	7.00		230		

Results - Soil

Project: ESP Suites

Client: Earth Science Partnership		Chemtest Job No.:				26-21719	26-21719	26-21719	26-21719
Quotation No.: Q26-40431		Chemtest Sample ID.:				2137993	2137994	2137995	2137996
		Client Sample ID.:				WS06	WS07	WS07	WS06
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.4	0.25	0.70	1.1
		Bottom Depth (m):							
		Date Sampled:				17-Jun-2026	17-Jun-2026	17-Jun-2026	17-Jun-2026
		Time Sampled:				12:00	12:00	12:00	12:00
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
Total Aliphatic EPH >C10-C40	EH 2D AL #1	N	5002	mg/kg	10.00		250		
Aromatic EPH >C10-C12	EH 2D AR #1	U	5002	mg/kg	2.00		< 2.0		
Aromatic EPH >C12-C16	EH 2D AR #1	U	5002	mg/kg	2.00		4.8		
Aromatic EPH >C16-C21	EH 2D AR #1	U	5002	mg/kg	2.00		34		
Aromatic EPH >C21-C35	EH 2D AR #1	U	5002	mg/kg	2.00		140		
Aromatic EPH >C35-C40	EH 2D AR #1	N	5002	mg/kg	1.00		10		
Total Aromatic EPH >C10-C35	EH 2D AR #1	U	5002	mg/kg	4.00		180		
Total Aromatic EPH >C10-C40	EH 2D AR #1	N	5002	mg/kg	10.00		190		
Total EPH >C10-C35	EH 2D Total #1	U	5002	mg/kg	10.00		410		
Total EPH >C10-C40	EH 2D Total #1	N	5002	mg/kg	10.00		440		
Organic Matter		M	2625	%	0.40	27	4.4	31	59
Benzene		M	2760	µg/kg	1.0		< 1.0		
Toluene		M	2760	µg/kg	1.0		< 1.0		
Ethylbenzene		M	2760	µg/kg	1.0		< 1.0		
m & p-Xylene		M	2760	µg/kg	1.0		< 1.0		
o-Xylene		M	2760	µg/kg	1.0		< 1.0		
Naphthalene		M	5003	mg/kg	0.05	0.10	< 0.05	< 0.05	0.06
Acenaphthylene		M	5003	mg/kg	0.05	0.09	< 0.05	< 0.05	0.18
Acenaphthene		M	5003	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene		M	5003	mg/kg	0.05	0.09	< 0.05	< 0.05	0.19
Phenanthrene		M	5003	mg/kg	0.05	1.1	0.23	0.23	1.5
Anthracene		M	5003	mg/kg	0.05	0.30	0.06	< 0.05	0.47
Fluoranthene		M	5003	mg/kg	0.05	3.4	0.54	0.12	2.9
Pyrene		M	5003	mg/kg	0.05	3.4	0.55	0.09	2.4
Benzo[a]anthracene		M	5003	mg/kg	0.05	2.2	0.27	0.07	1.7
Chrysene		M	5003	mg/kg	0.05	2.5	0.41	0.13	1.6
Benzo[b]fluoranthene		M	5003	mg/kg	0.05	4.0	0.64	0.09	1.6
Benzo(k)Fluoranthene		M	5003	mg/kg	0.05	1.2	0.20	< 0.05	0.65
Benzo[a]pyrene		M	5003	mg/kg	0.05	2.6	0.41	< 0.05	1.2
Indeno(1,2,3-c,d)Pyrene		M	5003	mg/kg	0.05	2.0	0.44	< 0.05	0.56
Dibenz(a,h)Anthracene		M	5003	mg/kg	0.05	0.46	0.09	< 0.05	0.20
Benzo[g,h,i]perylene		M	5003	mg/kg	0.05	1.9	0.42	< 0.05	0.44
Total Of 16 PAH's		M	5003	mg/kg	0.05	25	4.3	0.74	16
Total Phenols		M	2920	mg/kg	0.10	0.44	< 0.10	< 0.10	< 0.10

Results - Soil

Project: ESP Suites

Client: Earth Science Partnership		Chemtest Job No.:				26-21719	26-21719
Quotation No.: Q26-40431		Chemtest Sample ID.:				2137997	2137998
		<i>Client Sample ID.:</i>				WS04	WS04
		<i>Sample Type:</i>				SOIL	SOIL
		<i>Top Depth (m):</i>				1.1	0.4
		<i>Bottom Depth (m):</i>					
		<i>Date Sampled:</i>				16-Jun-2026	16-Jun-2026
		<i>Time Sampled:</i>				12:00	12:00
		<i>Asbestos Lab:</i>				DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD		
ACM Type		N	2192		N/A	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	12	7.4
Soil Colour		N	2030		N/A	Brown	Brown
Other Material		N	2030		N/A	Stones	Stones
Soil Texture		N	2030		N/A	Loam	Sand
pH at 20C		M	2010		4.0	8.6	10.8
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	0.49	0.85
Cyanide (Total)		M	2300	mg/kg	0.50	< 0.50	< 0.50
Arsenic		M	2455	mg/kg	0.5	150	28
Barium		M	2455	mg/kg	0.5	110	350
Beryllium		U	2455	mg/kg	0.5	1.1	0.8
Cadmium		M	2455	mg/kg	0.10	0.38	1.9
Chromium		M	2455	mg/kg	0.5	28	68
Copper		M	2455	mg/kg	0.50	120	950
Mercury		M	2455	mg/kg	0.05	0.21	0.20
Nickel		M	2455	mg/kg	0.50	49	34
Lead		M	2455	mg/kg	0.50	100	250
Selenium		M	2455	mg/kg	0.25	1.0	1.1
Vanadium		U	2455	mg/kg	0.5	35	190
Zinc		M	2455	mg/kg	0.50	130	390
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 0.50	< 0.50
Aliphatic VPH >C5-C6	HS 2D AL	U	2780	mg/kg	0.05		
Aliphatic VPH >C6-C7	HS 2D AL	U	2780	mg/kg	0.05		
Aliphatic VPH >C7-C8	HS 2D AL	U	2780	mg/kg	0.05		
Aliphatic VPH >C6-C8 (Sum)	HS 2D AL	N	2780	mg/kg	0.10		
Aliphatic VPH >C8-C10	HS 2D AL	U	2780	mg/kg	0.05		
Total Aliphatic VPH >C5-C10	HS 2D AL	U	2780	mg/kg	0.25		
Aromatic VPH >C5-C7	HS 2D AR	U	2780	mg/kg	0.05		
Aromatic VPH >C7-C8	HS 2D AR	U	2780	mg/kg	0.05		
Aromatic VPH >C8-C10	HS 2D AR	U	2780	mg/kg	0.05		
Total Aromatic VPH >C5-C10	HS 2D AR	U	2780	mg/kg	0.25		
Total VPH >C5-C10	HS 2D Total	U	2780	mg/kg	0.50		
Aliphatic EPH >C10-C12	EH 2D AL #1	M	5002	mg/kg	2.00		
Aliphatic EPH >C12-C16	EH 2D AL #1	M	5002	mg/kg	2.00		
Aliphatic EPH >C16-C21	EH 2D AL #1	M	5002	mg/kg	2.00		
Aliphatic EPH >C21-C35	EH 2D AL #1	M	5002	mg/kg	3.00		
Aliphatic EPH >C35-C40	EH 2D AL #1	N	5002	mg/kg	10.00		
Total Aliphatic EPH >C10-C35	EH 2D AL #1	M	5002	mg/kg	7.00		

Results - Soil

Project: ESP Suites

Client: Earth Science Partnership		Chemtest Job No.:				26-21719	26-21719
Quotation No.: Q26-40431		Chemtest Sample ID.:				2137997	2137998
		Client Sample ID.:				WS04	WS04
		Sample Type:				SOIL	SOIL
		Top Depth (m):				1.1	0.4
		Bottom Depth (m):					
		Date Sampled:				16-Jun-2026	16-Jun-2026
		Time Sampled:				12:00	12:00
		Asbestos Lab:				DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD		
Total Aliphatic EPH >C10-C40	EH 2D AL #1	N	5002	mg/kg	10.00		
Aromatic EPH >C10-C12	EH 2D AR #1	U	5002	mg/kg	2.00		
Aromatic EPH >C12-C16	EH 2D AR #1	U	5002	mg/kg	2.00		
Aromatic EPH >C16-C21	EH 2D AR #1	U	5002	mg/kg	2.00		
Aromatic EPH >C21-C35	EH 2D AR #1	U	5002	mg/kg	2.00		
Aromatic EPH >C35-C40	EH 2D AR #1	N	5002	mg/kg	1.00		
Total Aromatic EPH >C10-C35	EH 2D AR #1	U	5002	mg/kg	4.00		
Total Aromatic EPH >C10-C40	EH 2D AR #1	N	5002	mg/kg	10.00		
Total EPH >C10-C35	EH 2D Total #1	U	5002	mg/kg	10.00		
Total EPH >C10-C40	EH 2D Total #1	N	5002	mg/kg	10.00		
Organic Matter		M	2625	%	0.40	18	10
Benzene		M	2760	µg/kg	1.0		
Toluene		M	2760	µg/kg	1.0		
Ethylbenzene		M	2760	µg/kg	1.0		
m & p-Xylene		M	2760	µg/kg	1.0		
o-Xylene		M	2760	µg/kg	1.0		
Naphthalene		M	5003	mg/kg	0.05	< 0.05	0.10
Acenaphthylene		M	5003	mg/kg	0.05	< 0.05	0.14
Acenaphthene		M	5003	mg/kg	0.05	< 0.05	0.13
Fluorene		M	5003	mg/kg	0.05	< 0.05	0.28
Phenanthrene		M	5003	mg/kg	0.05	0.09	1.8
Anthracene		M	5003	mg/kg	0.05	< 0.05	0.63
Fluoranthene		M	5003	mg/kg	0.05	0.09	3.5
Pyrene		M	5003	mg/kg	0.05	0.10	2.9
Benzo[a]anthracene		M	5003	mg/kg	0.05	0.09	1.7
Chrysene		M	5003	mg/kg	0.05	0.15	2.1
Benzo[b]fluoranthene		M	5003	mg/kg	0.05	0.24	2.7
Benzo(k)Fluoranthene		M	5003	mg/kg	0.05	0.08	0.91
Benzo[a]pyrene		M	5003	mg/kg	0.05	0.12	1.8
Indeno(1,2,3-c,d)Pyrene		M	5003	mg/kg	0.05	0.10	1.3
Dibenz(a,h)Anthracene		M	5003	mg/kg	0.05	< 0.05	0.35
Benzo[g,h,i]perylene		M	5003	mg/kg	0.05	0.10	1.3
Total Of 16 PAH's		M	5003	mg/kg	0.05	1.2	21
Total Phenols		M	2920	mg/kg	0.10	< 0.10	< 0.10

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request. The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Chemtest Sample ID	Clients Sample Ref:	Clients Sample ID:	Clients Reference:	Sampled Date:	Deviation Code(s):	Containers Received:
2137989		WS01		16-Jun-2026	B	Amber Glass 250ml
2137989		WS01		16-Jun-2026	B	Amber Glass 60ml
2137989		WS01		16-Jun-2026	B	Plastic Tub 1000g
2137990		WS01		16-Jun-2026	B	Amber Glass 250ml
2137990		WS01		16-Jun-2026	B	Amber Glass 60ml
2137990		WS01		16-Jun-2026	B	Plastic Tub 1000g
2137991		WS02		16-Jun-2026	B	Amber Glass 250ml
2137991		WS02		16-Jun-2026	B	Amber Glass 60ml
2137991		WS02		16-Jun-2026	B	Plastic Tub 1000g
2137992		WS03		16-Jun-2026	B	Amber Glass 250ml
2137992		WS03		16-Jun-2026	B	Amber Glass 60ml
2137992		WS03		16-Jun-2026	B	Plastic Tub 1000g
2137993		WS06		17-Jun-2026	B	Amber Glass 250ml
2137993		WS06		17-Jun-2026	B	Amber Glass 60ml
2137993		WS06		17-Jun-2026	B	Plastic Tub 1000g
2137994		WS07		17-Jun-2026	B	Amber Glass 250ml
2137994		WS07		17-Jun-2026	B	Amber Glass 60ml
2137994		WS07		17-Jun-2026	B	Plastic Tub 1000g
2137995		WS07		17-Jun-2026	B	Amber Glass 250ml
2137995		WS07		17-Jun-2026	B	Amber Glass 60ml
2137995		WS07		17-Jun-2026	B	Plastic Tub 1000g
2137996		WS06		17-Jun-2026	B	Amber Glass 250ml
2137996		WS06		17-Jun-2026	B	Amber Glass 60ml
2137996		WS06		17-Jun-2026	B	Plastic Tub 1000g
2137997		WS04		16-Jun-2026	B	Amber Glass 250ml
2137997		WS04		16-Jun-2026	B	Amber Glass 60ml
2137997		WS04		16-Jun-2026	B	Plastic Tub 1000g
2137998		WS04		16-Jun-2026	B	Amber Glass 250ml
2137998		WS04		16-Jun-2026	B	Amber Glass 60ml
2137998		WS04		16-Jun-2026	B	Plastic Tub 1000g

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	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 <30°C.	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2192	Asbestos Quantification in Soils Sediments Ballast & Aggregate Crushed Concrete & Demolition Rubble	Asbestos	Polarised light microscopy / Gravimetry	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
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-diphenylcarbazine.	
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.	
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	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	
5002	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/Hexane extraction / GCxGC FID detection	
5003	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Hexane / Acetone extraction GC-MS	

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

Text example All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

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 EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ 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.

Where analysis is performed on a dried and crushed sample, it has been prepared by crushing all of the sample. If material has been removed prior to crushing, or by request of the client, this will be stated on the report.

NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL

DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

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 - The required amount of sample for analysis was not received

H - Appropriate cooling measures were not taken for sample transportation

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.

Report Information

Charges may apply to extended sample storage.

Water Sample Category Key for Accreditation

DW - Drinking Water (Non-Regulatory)
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
cs@etuki.eurofins.com