



Final Report

Report No.: 26-10818-1

Initial Date of Issue: 29-Apr-2026

Re-Issue Details:

Client *The Department of Defence*

Client Address: *Naval Base
Haulbowline
Cork
Ireland*

Contact(s): *Paul Finnegan*

Project *Sarsfield Barracks*

Order No.: H/S49/26

No. of Samples: 6

Turnaround (Wkdays): 15

Date Approved: 29-Apr-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 - Leachate

Project: BHP-MTI

Client: BHP Laboratories	Chemtest Job No.:					26-10818	26-10818	26-10818	26-10818	26-10818	26-10818
Quotation No.:	Chemtest Sample ID.:					2105723	2105724	2105725	2105726	2105727	2105728
Order No.:	Client Sample Ref.:					TP1	TP2	TP3	TP4	TP5	TP6
	Client Sample ID.:					26/03/7554	26/03/7555	26/03/7556	26/03/7557	26/03/7558	26/03/7559
	Client Reference:					Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:					26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026
Determinand	Accred.	SOP	Type	Units	LOD						
Ammonium	U	1220	10:1	mg/l	0.050	0.55	0.40	0.40	0.48	0.53	0.44
Ammonium	N	1220	10:1	mg/kg	0.10	7.1	5.6	5.1	6.6	7.0	6.8

Results - Soil

Project: BHP-MTI

Client: BHP Laboratories		Chemtest Job No.:				26-10818	26-10818	26-10818	26-10818	26-10818
Quotation No.:		Chemtest Sample ID.:				2105723	2105724	2105725	2105726	2105727
Order No.:		Client Sample Ref.:				TP1	TP2	TP3	TP4	TP5
		Client Sample ID.:				26/03/7554	26/03/7555	26/03/7556	26/03/7557	26/03/7558
		Client Reference:				Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:				26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026
		Asbestos Lab:				DURHAM	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	No Asbestos Detected
Moisture		N	2030	%	0.020	16	13	16	12	11
Soil Colour		N	2030		N/A	Brown	Brown	Brown	Brown	Brown
Other Material		N	2030		N/A	Stones	Stones	Stones	Stones and Roots	Stones
Soil Texture		N	2030		N/A	Clay	Clay	Clay	clay / sand	Clay
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	0.42	0.56	0.53	0.62	0.53
Sulphur (Elemental)		M	2180	mg/kg	1.0	< 1.0	3.5	14	12	22
Cyanide (Total)		M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	3.0	7.2	5.6	5.5	26
Sulphate (Total)		U	2430	%	0.010	0.16	0.25	0.32	0.31	0.28
Arsenic		M	2455	mg/kg	0.5	16	18	11	12	16
Barium		M	2455	mg/kg	0.5	63	92	91	74	82
Cadmium		M	2455	mg/kg	0.10	0.76	2.4	0.62	0.42	1.2
Chromium		M	2455	mg/kg	0.5	23	20	16	16	23
Molybdenum		M	2455	mg/kg	0.5	1.6	6.1	1.6	1.1	2.2
Antimony		N	2455	mg/kg	2.0	< 2.0	2.6	< 2.0	< 2.0	< 2.0
Copper		M	2455	mg/kg	0.50	17	33	26	24	27
Mercury		M	2455	mg/kg	0.05	0.35	0.49	1.6	0.95	0.12

Results - Soil

Project: BHP-MTI

Client: BHP Laboratories		Chemtest Job No.:				26-10818	26-10818	26-10818	26-10818	26-10818
Quotation No.:		Chemtest Sample ID.:				2105723	2105724	2105725	2105726	2105727
Order No.:		Client Sample Ref.:				TP1	TP2	TP3	TP4	TP5
		Client Sample ID.:				26/03/7554	26/03/7555	26/03/7556	26/03/7557	26/03/7558
		Client Reference:				Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:				26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD					
Nickel		M	2455	mg/kg	0.50	25	31	25	24	38
Lead		M	2455	mg/kg	0.50	37	130	85	100	69
Selenium		M	2455	mg/kg	0.25	0.74	1.5	0.81	0.54	0.71
Zinc		M	2455	mg/kg	0.50	48	110	110	110	120
Chromium (Trivalent)		N	2490	mg/kg	1.0	23	20	16	16	23
Chromium (Hexavalent)		N	2490	mg/kg	0.50	< 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	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 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	< 0.05	< 0.05
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25	< 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	< 0.05	< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 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	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	< 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	< 0.50	< 0.50
Aliphatic EPH >C10-C12	EH_2D_AL_#1	M	5002	mg/kg	2.00	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Aliphatic EPH >C12-C16	EH_2D_AL_#1	M	5002	mg/kg	2.00	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Aliphatic EPH >C16-C21	EH_2D_AL_#1	M	5002	mg/kg	2.00	2.2	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: BHP-MTI

Client: BHP Laboratories		Chemtest Job No.:				26-10818	26-10818	26-10818	26-10818	26-10818
Quotation No.:		Chemtest Sample ID.:				2105723	2105724	2105725	2105726	2105727
Order No.:		Client Sample Ref.:				TP1	TP2	TP3	TP4	TP5
		Client Sample ID.:				26/03/7554	26/03/7555	26/03/7556	26/03/7557	26/03/7558
		Client Reference:				Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:				26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD					
Aliphatic EPH >C21-C35	EH_2D_AL_#1	M	5002	mg/kg	3.00	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Aliphatic EPH >C35-C40	EH_2D_AL_#1	N	5002	mg/kg	10.00	< 10	< 10	< 10	< 10	< 10
Total Aliphatic EPH >C10-C35	EH_2D_AL_#1	M	5002	mg/kg	7.00	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0
Aromatic EPH >C10-C12	EH_2D_AR_#1	U	5002	mg/kg	2.00	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Aromatic EPH >C12-C16	EH_2D_AR_#1	U	5002	mg/kg	2.00	< 2.0	< 2.0	< 2.0	< 2.0	6.0
Aromatic EPH >C16-C21	EH_2D_AR_#1	U	5002	mg/kg	2.00	< 2.0	9.5	< 2.0	< 2.0	52
Aromatic EPH >C21-C35	EH_2D_AR_#1	U	5002	mg/kg	2.00	< 2.0	27	4.3	4.5	99
Aromatic EPH >C35-C40	EH_2D_AR_#1	N	5002	mg/kg	1.00	< 1.0	18	< 1.0	5.4	33
Total Aromatic EPH >C10-C35	EH_2D_AR_#1	U	5002	mg/kg	4.00	< 4.0	37	6.1	5.2	160
Total EPH >C10-C35	EH_2D_Total_#1	U	5002	mg/kg	10.00	< 10	41	< 10	< 10	160
Mineral Oil EPH	EH_2D_AL_#1	N	5002	mg/kg	10	< 10	< 10	< 10	< 10	< 10
Benzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene		M	5003	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.13
Acenaphthylene		M	5003	mg/kg	0.05	< 0.05	0.07	< 0.05	< 0.05	0.11

Results - Soil

Project: BHP-MTI

Client: BHP Laboratories		Chemtest Job No.:				26-10818	26-10818	26-10818	26-10818	26-10818
Quotation No.:		Chemtest Sample ID.:				2105723	2105724	2105725	2105726	2105727
Order No.:		Client Sample Ref.:				TP1	TP2	TP3	TP4	TP5
		Client Sample ID.:				26/03/7554	26/03/7555	26/03/7556	26/03/7557	26/03/7558
		Client Reference:				Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:				26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD					
Acenaphthene		M	5003	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.96
Fluorene		M	5003	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.87
Phenanthrene		M	5003	mg/kg	0.05	< 0.05	0.80	0.12	< 0.05	7.9
Anthracene		M	5003	mg/kg	0.05	< 0.05	0.28	< 0.05	< 0.05	2.5
Fluoranthene		M	5003	mg/kg	0.05	< 0.05	2.1	0.51	0.10	15
Pyrene		M	5003	mg/kg	0.05	< 0.05	1.9	0.48	0.09	13
Benzo[a]anthracene		M	5003	mg/kg	0.05	< 0.05	0.99	0.27	< 0.05	6.2
Chrysene		M	5003	mg/kg	0.05	< 0.05	1.1	0.27	0.06	5.6
Benzo[b]fluoranthene		M	5003	mg/kg	0.05	< 0.05	1.4	0.39	0.07	7.6
Benzo(k)Fluoranthene		M	5003	mg/kg	0.05	< 0.05	0.55	0.15	< 0.05	2.9
Benzo[a]pyrene		M	5003	mg/kg	0.05	< 0.05	1.3	0.36	0.07	7.2
Indeno(1,2,3-c,d)Pyrene		M	5003	mg/kg	0.05	< 0.05	0.90	0.25	0.07	4.6
Dibenz(a,h)Anthracene		M	5003	mg/kg	0.05	< 0.05	0.13	< 0.05	< 0.05	0.58
Benzo[g,h,i]perylene		M	5003	mg/kg	0.05	< 0.05	0.73	0.21	< 0.05	3.5
Coronene		N	5003	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
PCB 28		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	0.011	< 0.010
PCB 52		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 101		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	0.011	< 0.010
PCB 118		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	0.011	< 0.010

Results - Soil

Project: BHP-MTI

Client: BHP Laboratories		Chemtest Job No.:				26-10818	26-10818	26-10818	26-10818	26-10818
Quotation No.:		Chemtest Sample ID.:				2105723	2105724	2105725	2105726	2105727
Order No.:		Client Sample Ref.:				TP1	TP2	TP3	TP4	TP5
		Client Sample ID.:				26/03/7554	26/03/7555	26/03/7556	26/03/7557	26/03/7558
		Client Reference:				Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:				26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD					
PCB 153		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	0.011	< 0.010
PCB 138		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
PCB 180		U	2815	mg/kg	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Phenols		M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Project: BHP-MTI

Client: BHP Laboratories		Chemtest Job No.:				26-10818
Quotation No.:		Chemtest Sample ID.:				2105728
Order No.:		Client Sample Ref.:				TP6
		Client Sample ID.:				26/03/7559
		Client Reference:				Sarsfield Barracks
		Sample Type:				SOIL
		Date Sampled:				26-Mar-2026
		Asbestos Lab:				DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
ACM Type		N	2192		N/A	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected
Moisture		N	2030	%	0.020	6.5
Soil Colour		N	2030		N/A	Brown
Other Material		N	2030		N/A	Stones
Soil Texture		N	2030		N/A	clay / sand
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	0.45
Sulphur (Elemental)		M	2180	mg/kg	1.0	< 1.0
Cyanide (Total)		M	2300	mg/kg	0.50	< 0.50
Sulphide (Easily Liberatable)		N	2325	mg/kg	0.50	3.8
Sulphate (Total)		U	2430	%	0.010	0.60
Arsenic		M	2455	mg/kg	0.5	15
Barium		M	2455	mg/kg	0.5	54
Cadmium		M	2455	mg/kg	0.10	0.41
Chromium		M	2455	mg/kg	0.5	25
Molybdenum		M	2455	mg/kg	0.5	1.1
Antimony		N	2455	mg/kg	2.0	< 2.0
Copper		M	2455	mg/kg	0.50	30
Mercury		M	2455	mg/kg	0.05	0.19

Results - Soil

Project: BHP-MTI

Client: BHP Laboratories		Chemtest Job No.:				26-10818
Quotation No.:		Chemtest Sample ID.:				2105728
Order No.:		Client Sample Ref.:				TP6
		Client Sample ID.:				26/03/7559
		Client Reference:				Sarsfield Barracks
		Sample Type:				SOIL
		Date Sampled:				26-Mar-2026
		Asbestos Lab:				DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
Nickel		M	2455	mg/kg	0.50	43
Lead		M	2455	mg/kg	0.50	46
Selenium		M	2455	mg/kg	0.25	0.53
Zinc		M	2455	mg/kg	0.50	85
Chromium (Trivalent)		N	2490	mg/kg	1.0	25
Chromium (Hexavalent)		N	2490	mg/kg	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 >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	< 2.0

Results - Soil

Project: BHP-MTI

Client: BHP Laboratories		Chemtest Job No.:		26-10818		
Quotation No.:		Chemtest Sample ID.:		2105728		
Order No.:		Client Sample Ref.:		TP6		
		Client Sample ID.:		26/03/7559		
		Client Reference:		Sarsfield Barracks		
		Sample Type:		SOIL		
		Date Sampled:		26-Mar-2026		
		Asbestos Lab:		DURHAM		
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
Aliphatic EPH >C21-C35	EH_2D_AL_#1	M	5002	mg/kg	3.00	< 3.0
Aliphatic EPH >C35-C40	EH_2D_AL_#1	N	5002	mg/kg	10.00	< 10
Total Aliphatic EPH >C10-C35	EH_2D_AL_#1	M	5002	mg/kg	7.00	< 7.0
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	< 2.0
Aromatic EPH >C16-C21	EH_2D_AR_#1	U	5002	mg/kg	2.00	< 2.0
Aromatic EPH >C21-C35	EH_2D_AR_#1	U	5002	mg/kg	2.00	3.3
Aromatic EPH >C35-C40	EH_2D_AR_#1	N	5002	mg/kg	1.00	2.5
Total Aromatic EPH >C10-C35	EH_2D_AR_#1	U	5002	mg/kg	4.00	< 4.0
Total EPH >C10-C35	EH_2D_Total_#1	U	5002	mg/kg	10.00	< 10
Mineral Oil EPH	EH_2D_AL_#1	N	5002	mg/kg	10	< 10
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
Methyl Tert-Butyl Ether		M	2760	µg/kg	1.0	< 1.0
Naphthalene		M	5003	mg/kg	0.05	< 0.05
Acenaphthylene		M	5003	mg/kg	0.05	< 0.05

Results - Soil

Project: BHP-MTI

Client: BHP Laboratories		Chemtest Job No.:				26-10818
Quotation No.:		Chemtest Sample ID.:				2105728
Order No.:		Client Sample Ref.:				TP6
		Client Sample ID.:				26/03/7559
		Client Reference:				Sarsfield Barracks
		Sample Type:				SOIL
		Date Sampled:				26-Mar-2026
		Asbestos Lab:				DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
Acenaphthene		M	5003	mg/kg	0.05	< 0.05
Fluorene		M	5003	mg/kg	0.05	< 0.05
Phenanthrene		M	5003	mg/kg	0.05	< 0.05
Anthracene		M	5003	mg/kg	0.05	< 0.05
Fluoranthene		M	5003	mg/kg	0.05	< 0.05
Pyrene		M	5003	mg/kg	0.05	< 0.05
Benzo[a]anthracene		M	5003	mg/kg	0.05	< 0.05
Chrysene		M	5003	mg/kg	0.05	< 0.05
Benzo[b]fluoranthene		M	5003	mg/kg	0.05	< 0.05
Benzo(k)Fluoranthene		M	5003	mg/kg	0.05	< 0.05
Benzo[a]pyrene		M	5003	mg/kg	0.05	< 0.05
Indeno(1,2,3-c,d)Pyrene		M	5003	mg/kg	0.05	< 0.05
Dibenz(a,h)Anthracene		M	5003	mg/kg	0.05	< 0.05
Benzo[g,h,i]perylene		M	5003	mg/kg	0.05	< 0.05
Coronene		N	5003	mg/kg	0.05	< 0.05
PCB 28		U	2815	mg/kg	0.010	< 0.010
PCB 52		U	2815	mg/kg	0.010	< 0.010
PCB 101		U	2815	mg/kg	0.010	< 0.010
PCB 118		U	2815	mg/kg	0.010	< 0.010

Results - Soil

Project: BHP-MTI

Client: BHP Laboratories		Chemtest Job No.:		26-10818		
Quotation No.:		Chemtest Sample ID.:		2105728		
Order No.:		Client Sample Ref.:		TP6		
		Client Sample ID.:		26/03/7559		
		Client Reference:		Sarsfield Barracks		
		Sample Type:		SOIL		
		Date Sampled:		26-Mar-2026		
		Asbestos Lab:		DURHAM		
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
PCB 153		U	2815	mg/kg	0.010	< 0.010
PCB 138		U	2815	mg/kg	0.010	< 0.010
PCB 180		U	2815	mg/kg	0.010	< 0.010
Tot PCBs Low (7 Congeners)		N	2815	mg/kg	0.05	< 0.05
Total Phenols		M	2920	mg/kg	0.10	< 0.10

Results - Single Stage WAC

Project: BHP-MTI

Chemtest Job No: 26-10818						Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 2105723						Limits		
Sample Ref: TP1						Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID: 26/03/7554								
Client Reference: Sarsfield Barracks								
Top Depth(m): Not Stated								
Bottom Depth(m): Not Stated								
Sampling Date: 26-Mar-2026								
Determinand	SOP	HWOL Code	Accred.	Units				
Total Organic Carbon	2625		M	%	0.83	3	5	6
Loss On Ignition	2610		M	%	2.2	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5002	EH_2D_Total_#1	N	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	< 0.1	100	--	--
pH at 20C	2010		M		8.7	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.058	--	To evaluate	To evaluate
Eluate Analysis					10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg	
Arsenic	1455		U	0.0029	0.029	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	0.0008	0.0084	0.5	10	70
Copper	1455		U	0.0028	0.028	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0031	0.031	0.5	10	30
Nickel	1455		U	0.0006	0.0059	0.4	10	40
Lead	1455		U	0.0007	0.0071	0.5	10	50
Antimony	1455		N	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.004	0.035	4	50	200
Chloride	1220		U	1.5	15	800	15000	25000
Fluoride	1220		U	0.15	1.5	10	150	500
Sulphate	1220		U	5.3	53	1000	20000	50000
Total Dissolved Solids	1020		N	160	1600	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	3.6	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	14
WAC Sample Weight	3418

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: BHP-MTI

Chemtest Job No: 26-10818 Chemtest Sample ID: 2105724 Sample Ref: TP2 Sample ID: 26/03/7555 Client Reference: Sarsfield Barracks Top Depth(m): Not Stated Bottom Depth(m): Not Stated Sampling Date: 26-Mar-2026						Landfill Waste Acceptance Criteria Limits		
						Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Determinand	SOP	HWOL Code	Accred.	Units				
Total Organic Carbon	2625		M	%	2.1	3	5	6
Loss On Ignition	2610		M	%	2.9	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5002	EH_2D_Total_#1	N	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	12	100	--	--
pH at 20C	2010		M		8.3	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.025	--	To evaluate	To evaluate
Eluate Analysis				10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455		U	0.0065	0.065	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0019	0.019	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0022	0.022	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.0006	0.0065	0.5	10	50
Antimony	1455		N	0.0007	0.0075	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.003	0.026	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.15	1.5	10	150	500
Sulphate	1220		U	6.4	64	1000	20000	50000
Total Dissolved Solids	1020		N	68	680	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	< 2.5	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	14
WAC Sample Weight	3198

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: BHP-MTI

Chemtest Job No: 26-10818 Chemtest Sample ID: 2105725 Sample Ref: TP3 Sample ID: 26/03/7556 Client Reference: Sarsfield Barracks Top Depth(m): Not Stated Bottom Depth(m): Not Stated Sampling Date: 26-Mar-2026						Landfill Waste Acceptance Criteria Limits		
						Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Determinand	SOP	HWOL Code	Accred.	Units				
Total Organic Carbon	2625		M	%	1.1	3	5	6
Loss On Ignition	2610		M	%	2.5	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5002	EH_2D_Total_#1	N	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	3.0	100	--	--
pH at 20C	2010		M		8.5	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.024	--	To evaluate	To evaluate
Eluate Analysis				10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455		U	0.0048	0.048	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0019	0.019	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0016	0.016	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.0006	0.0064	0.5	10	50
Antimony	1455		N	0.0011	0.011	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.003	0.033	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.15	1.5	10	150	500
Sulphate	1220		U	3.7	37	1000	20000	50000
Total Dissolved Solids	1020		N	120	1200	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	< 2.5	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	15
WAC Sample Weight	Not Stated

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: BHP-MTI

Chemtest Job No: 26-10818 Chemtest Sample ID: 2105726 Sample Ref: TP4 Sample ID: 26/03/7557 Client Reference: Sarsfield Barracks Top Depth(m): Not Stated Bottom Depth(m): Not Stated Sampling Date: 26-Mar-2026						Landfill Waste Acceptance Criteria Limits		
						Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Determinand	SOP	HWOL Code	Accred.	Units				
Total Organic Carbon	2625		M	%	0.88	3	5	6
Loss On Ignition	2610		M	%	1.9	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5002	EH_2D_Total_#1	N	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	0.5	100	--	--
pH at 20C	2010		M		8.7	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.019	--	To evaluate	To evaluate
Eluate Analysis				10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455		U	0.0080	0.080	0.5	2	25
Barium	1455		U	< 0.005	< 0.050	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0020	0.020	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0010	0.0097	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.0009	0.0093	0.5	10	50
Antimony	1455		N	< 0.0005	< 0.0050	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	< 0.003	< 0.025	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.11	1.1	10	150	500
Sulphate	1220		U	2.6	26	1000	20000	50000
Total Dissolved Solids	1020		N	52	520	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	2.7	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	14
WAC Sample Weight	3439

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: BHP-MTI

Chemtest Job No: 26-10818 Chemtest Sample ID: 2105727 Sample Ref: TP5 Sample ID: 26/03/7558 Client Reference: Sarsfield Barracks Top Depth(m): Not Stated Bottom Depth(m): Not Stated Sampling Date: 26-Mar-2026						Landfill Waste Acceptance Criteria Limits		
						Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Determinand	SOP	HWOL Code	Accred.	Units				
Total Organic Carbon	2625		M	%	1.3	3	5	6
Loss On Ignition	2610		M	%	0.72	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5002	EH_2D_Total_#1	N	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	79	100	--	--
pH at 20C	2010		M		8.3	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.051	--	To evaluate	To evaluate
Eluate Analysis				10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455		U	0.0016	0.016	0.5	2	25
Barium	1455		U	0.017	0.17	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0022	0.022	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0043	0.043	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	0.0006	0.0058	0.5	10	50
Antimony	1455		N	0.0015	0.015	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	< 0.003	< 0.025	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.12	1.2	10	150	500
Sulphate	1220		U	14	140	1000	20000	50000
Total Dissolved Solids	1020		N	65	650	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	2.9	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	15
WAC Sample Weight	2969

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: BHP-MTI

Chemtest Job No: 26-10818 Chemtest Sample ID: 2105728 Sample Ref: TP6 Sample ID: 26/03/7559 Client Reference: Sarsfield Barracks Top Depth(m): Not Stated Bottom Depth(m): Not Stated Sampling Date: 26-Mar-2026						Landfill Waste Acceptance Criteria Limits		
						Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Determinand	SOP	HWOL Code	Accred.	Units				
Total Organic Carbon	2625		M	%	0.64	3	5	6
Loss On Ignition	2610		M	%	1.0	--	--	10
Total BTEX	2760		M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815		M	mg/kg	< 0.05	1	--	--
WAC Total C10-C40	5002	EH_2D_Total_#1	N	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	5003		N	mg/kg	< 0.1	100	--	--
pH at 20C	2010		M		8.7	--	>6	--
Acid Neutralisation Capacity	2015		N	mol/kg	0.029	--	To evaluate	To evaluate
Eluate Analysis				10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455		U	0.0020	0.020	0.5	2	25
Barium	1455		U	0.010	0.097	20	100	300
Cadmium	1455		U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455		U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455		U	0.0014	0.014	2	50	100
Mercury	1455		U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455		U	0.0067	0.067	0.5	10	30
Nickel	1455		U	< 0.0005	< 0.0050	0.4	10	40
Lead	1455		U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455		N	0.0007	0.0073	0.06	0.7	5
Selenium	1455		U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455		U	0.005	0.051	4	50	200
Chloride	1220		U	< 1.0	< 10	800	15000	25000
Fluoride	1220		U	0.11	1.1	10	150	500
Sulphate	1220		U	4.0	40	1000	20000	50000
Total Dissolved Solids	1020		N	56	560	4000	60000	100000
Phenol Index	1920		U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610		U	< 2.5	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	13
WAC Sample Weight	3078

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Result Dates

Project: BHP-MTI

Client: BHP Laboratories	Chemtest Job No.:				26-10818	26-10818	26-10818	26-10818	26-10818
Quotation No.:	Chemtest Sample ID.:				2105723	2105724	2105725	2105726	2105727
Order No.:	Client Sample Ref.:				TP1	TP2	TP3	TP4	TP5
	Client Sample ID.:				26/03/7554	26/03/7555	26/03/7556	26/03/7557	26/03/7558
	Client Reference:				Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:				26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026
	Time Sampled:								
Determinand	Accred.	WAC	Units	SOP					
ACM Type	N	N		2192	10/04/26	10/04/26	10/04/26	10/04/26	10/04/26
Asbestos Identification	U	N		2192	10/04/26	10/04/26	10/04/26	10/04/26	10/04/26
Moisture	N	N	%	2030	09/04/26	09/04/26	09/04/26	09/04/26	09/04/26
Soil Colour	N	N		2030	08/04/26	08/04/26	08/04/26	08/04/26	08/04/26
Other Material	N	N		2030	08/04/26	08/04/26	08/04/26	08/04/26	08/04/26
Soil Texture	N	N		2030	08/04/26	08/04/26	08/04/26	08/04/26	08/04/26
pH at 20C	M	Y		2010	14/04/26	23/04/26	14/04/26	14/04/26	14/04/26
Acid Neutralisation Capacity	N	N	mol/kg	2015	23/04/26	23/04/26	23/04/26	23/04/26	23/04/26
Boron (Hot Water Soluble)	M	N	mg/kg	2120	17/04/26	17/04/26	17/04/26	17/04/26	17/04/26
Sulphur (Elemental)	M	N	mg/kg	2180	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Cyanide (Total)	M	N	mg/kg	2300	17/04/26	17/04/26	17/04/26	17/04/26	17/04/26
Sulphide (Easily Liberatable)	N	N	mg/kg	2325	13/04/26	09/04/26	09/04/26	09/04/26	09/04/26
Sulphate (Total)	U	N	%	2430	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Arsenic	M	N	mg/kg	2455	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Barium	M	N	mg/kg	2455	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Cadmium	M	N	mg/kg	2455	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Chromium	M	N	mg/kg	2455	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Molybdenum	M	N	mg/kg	2455	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Antimony	N	N	mg/kg	2455	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Copper	M	N	mg/kg	2455	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Mercury	M	N	mg/kg	2455	14/04/26	14/04/26	15/04/26	14/04/26	14/04/26
Nickel	M	N	mg/kg	2455	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Lead	M	N	mg/kg	2455	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Selenium	M	N	mg/kg	2455	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Zinc	M	N	mg/kg	2455	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Chromium (Trivalent)	N	N	mg/kg	2490	17/04/26	17/04/26	17/04/26	17/04/26	17/04/26
Chromium (Hexavalent)	N	N	mg/kg	2490	17/04/26	17/04/26	17/04/26	17/04/26	17/04/26
Aliphatic VPH >C5-C6	U	N	mg/kg	2780	29/04/26	29/04/26	29/04/26	29/04/26	29/04/26
Aliphatic VPH >C6-C7	U	N	mg/kg	2780	29/04/26	29/04/26	29/04/26	29/04/26	29/04/26
Aliphatic VPH >C7-C8	U	N	mg/kg	2780	29/04/26	29/04/26	29/04/26	29/04/26	29/04/26
Aliphatic VPH >C8-C10	U	N	mg/kg	2780	29/04/26	29/04/26	29/04/26	29/04/26	29/04/26
Total Aliphatic VPH >C5-C10	U	N	mg/kg	2780	29/04/26	29/04/26	29/04/26	29/04/26	29/04/26
Aromatic VPH >C5-C7	U	N	mg/kg	2780	29/04/26	29/04/26	29/04/26	29/04/26	29/04/26
Aromatic VPH >C7-C8	U	N	mg/kg	2780	29/04/26	29/04/26	29/04/26	29/04/26	29/04/26
Aromatic VPH >C8-C10	U	N	mg/kg	2780	29/04/26	29/04/26	29/04/26	29/04/26	29/04/26

Result Dates

Project: BHP-MTI

Client: BHP Laboratories	Chemtest Job No.:				26-10818	26-10818	26-10818	26-10818	26-10818
Quotation No.:	Chemtest Sample ID.:				2105723	2105724	2105725	2105726	2105727
Order No.:	Client Sample Ref.:				TP1	TP2	TP3	TP4	TP5
	Client Sample ID.:				26/03/7554	26/03/7555	26/03/7556	26/03/7557	26/03/7558
	Client Reference:				Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:				26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026
	Time Sampled:								
Determinand	Accred.	WAC	Units	SOP					
Total Aromatic VPH >C5-C10	U	N	mg/kg	2780	29/04/26	29/04/26	29/04/26	29/04/26	29/04/26
Total VPH >C5-C10	U	N	mg/kg	2780	29/04/26	29/04/26	29/04/26	29/04/26	29/04/26
WAC Total C10-C40	N	Y	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Aliphatic EPH >C10-C12	M	N	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Aliphatic EPH >C12-C16	M	N	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Aliphatic EPH >C16-C21	M	N	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Aliphatic EPH >C21-C35	M	N	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Aliphatic EPH >C35-C40	N	N	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Total Aliphatic EPH >C10-C35	M	N	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Aromatic EPH >C10-C12	U	N	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Aromatic EPH >C12-C16	U	N	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Aromatic EPH >C16-C21	U	N	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Aromatic EPH >C21-C35	U	N	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Aromatic EPH >C35-C40	N	N	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Total Aromatic EPH >C10-C35	U	N	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Total EPH >C10-C35	U	N	mg/kg	5002	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
WAC Received weight	U	Y	g	650	08/04/26	08/04/26	08/04/26	08/04/26	08/04/26
Loss On Ignition	M	Y	%	2610	10/04/26	10/04/26	10/04/26	10/04/26	10/04/26
Total Organic Carbon	M	Y	%	2625	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Mineral Oil EPH	N	N	mg/kg	5002	16/04/26	16/04/26	16/04/26	16/04/26	16/04/26
Benzene	M	N	µg/kg	2760	21/04/26	21/04/26	21/04/26	21/04/26	21/04/26
Total BTEX	M	Y	mg/kg	2760	21/04/26	21/04/26	21/04/26	21/04/26	21/04/26
Toluene	M	N	µg/kg	2760	21/04/26	21/04/26	21/04/26	21/04/26	21/04/26
Ethylbenzene	M	N	µg/kg	2760	21/04/26	21/04/26	21/04/26	21/04/26	21/04/26
m & p-Xylene	M	N	µg/kg	2760	21/04/26	21/04/26	21/04/26	21/04/26	21/04/26
o-Xylene	M	N	µg/kg	2760	21/04/26	21/04/26	21/04/26	21/04/26	21/04/26
Methyl Tert-Butyl Ether	M	N	µg/kg	2760	21/04/26	21/04/26	21/04/26	21/04/26	21/04/26
Naphthalene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Acenaphthylene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Acenaphthene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Fluorene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Phenanthrene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Anthracene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Fluoranthene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Pyrene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Benzo[a]anthracene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Chrysene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26

Result Dates

Project: BHP-MTI

Client: BHP Laboratories	Chemtest Job No.:				26-10818	26-10818	26-10818	26-10818	26-10818
Quotation No.:	Chemtest Sample ID.:				2105723	2105724	2105725	2105726	2105727
Order No.:	Client Sample Ref.:				TP1	TP2	TP3	TP4	TP5
	Client Sample ID.:				26/03/7554	26/03/7555	26/03/7556	26/03/7557	26/03/7558
	Client Reference:				Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:				26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026
	Time Sampled:								
Determinand	Accred.	WAC	Units	SOP					
Benzo[b]fluoranthene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Benzo(k)Fluoranthene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Benzo[a]pyrene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Indeno(1,2,3-c,d)Pyrene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Dibenz(a,h)Anthracene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Benzo[g,h,i]perylene	M	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Coronene	N	N	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
Total (Of 17) PAH's	N	Y	mg/kg	5003	15/04/26	15/04/26	15/04/26	15/04/26	15/04/26
PCB 28	U	N	mg/kg	2815	20/04/26	20/04/26	20/04/26	20/04/26	20/04/26
PCB 52	U	N	mg/kg	2815	20/04/26	20/04/26	20/04/26	20/04/26	20/04/26
PCB 101	U	N	mg/kg	2815	20/04/26	20/04/26	20/04/26	20/04/26	20/04/26
PCB 118	U	N	mg/kg	2815	20/04/26	20/04/26	20/04/26	20/04/26	20/04/26
PCB 153	U	N	mg/kg	2815	20/04/26	20/04/26	20/04/26	20/04/26	20/04/26
PCB 138	U	N	mg/kg	2815	20/04/26	20/04/26	20/04/26	20/04/26	20/04/26
PCB 180	U	N	mg/kg	2815	20/04/26	20/04/26	20/04/26	20/04/26	20/04/26
Total PCBs (7 Congeners)	M	Y	mg/kg	2815	20/04/26	20/04/26	20/04/26	20/04/26	20/04/26
Tot PCBs Low (7 Congeners)	N	N	mg/kg	2815	20/04/26	20/04/26	20/04/26	20/04/26	20/04/26
Total Phenols	M	N	mg/kg	2920	22/04/26	22/04/26	22/04/26	22/04/26	22/04/26
Ammonium	U	N	mg/l	1220	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Ammonium	N	N	mg/kg	1220	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Dry Mass Of Test Portion	N	Y	kg	640	09/04/26	09/04/26	09/04/26	09/04/26	09/04/26
Moisture	N	Y	% dry weight	640	08/04/26	08/04/26	08/04/26	08/04/26	08/04/26
Volume Of C10 Leachant	N	Y	l	640	08/04/26	08/04/26	08/04/26	08/04/26	08/04/26
Total Dissolved Solids	N	Y	mg/l	1020	10/04/26	10/04/26	10/04/26	10/04/26	10/04/26
Total Dissolved Solids	N	Y	mg/kg	1020	10/04/26	10/04/26	10/04/26	10/04/26	10/04/26
Chloride	U	Y	mg/l	1220	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Fluoride	U	Y	mg/l	1220	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Sulphate	U	Y	mg/l	1220	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Chloride	U	Y	mg/kg	1220	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Fluoride	U	Y	mg/kg	1220	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Sulphate	U	Y	mg/kg	1220	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Arsenic	U	Y	mg/l	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Boron	U	Y	mg/l	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Arsenic	U	Y	mg/kg	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Boron	U	Y	mg/kg	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Barium	U	Y	mg/l	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26

Result Dates

Project: BHP-MTI

Client: BHP Laboratories	Chemtest Job No.:					26-10818	26-10818	26-10818	26-10818	26-10818
Quotation No.:	Chemtest Sample ID.:					2105723	2105724	2105725	2105726	2105727
Order No.:	Client Sample Ref.:					TP1	TP2	TP3	TP4	TP5
	Client Sample ID.:					26/03/7554	26/03/7555	26/03/7556	26/03/7557	26/03/7558
	Client Reference:					Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks	Sarsfield Barracks
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:					26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026	26-Mar-2026
	Time Sampled:									
Determinand	Accred.	WAC	Units	SOP						
Barium	U	Y	mg/kg	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Cadmium	U	Y	mg/l	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Cadmium	U	Y	mg/kg	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Chromium	U	Y	mg/l	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Chromium	U	Y	mg/kg	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Copper	U	Y	mg/l	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Copper	U	Y	mg/kg	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Mercury	U	Y	mg/l	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Mercury	U	Y	mg/kg	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Molybdenum	U	Y	mg/l	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Molybdenum	U	Y	mg/kg	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Nickel	U	Y	mg/l	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Nickel	U	Y	mg/kg	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Lead	U	Y	mg/l	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Lead	U	Y	mg/kg	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Antimony	N	Y	mg/l	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Antimony	N	Y	mg/kg	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Selenium	U	Y	mg/l	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Selenium	U	Y	mg/kg	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Zinc	U	Y	mg/l	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Zinc	U	Y	mg/kg	1455	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Dissolved Organic Carbon	U	Y	mg/l	1610	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Dissolved Organic Carbon	U	Y	mg/kg	1610	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26	14/04/26
Phenol Index	U	Y	mg/l	1920	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26
Phenol Index	U	Y	mg/kg	1920	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26	13/04/26

Result Dates

Project: BHP-MTI

Client: BHP Laboratories	Chemtest Job No.:				26-10818
Quotation No.:	Chemtest Sample ID.:				2105728
Order No.:	Client Sample Ref.:				TP6
	Client Sample ID.:				26/03/7559
	Client Reference:				Sarsfield Barracks
	Sample Type:				SOIL
	Date Sampled:				26-Mar-2026
	Time Sampled:				
Determinand	Accred.	WAC	Units	SOP	
ACM Type	N	N		2192	10/04/26
Asbestos Identification	U	N		2192	10/04/26
Moisture	N	N	%	2030	09/04/26
Soil Colour	N	N		2030	08/04/26
Other Material	N	N		2030	08/04/26
Soil Texture	N	N		2030	08/04/26
pH at 20C	M	Y		2010	14/04/26
Acid Neutralisation Capacity	N	N	mol/kg	2015	23/04/26
Boron (Hot Water Soluble)	M	N	mg/kg	2120	17/04/26
Sulphur (Elemental)	M	N	mg/kg	2180	14/04/26
Cyanide (Total)	M	N	mg/kg	2300	17/04/26
Sulphide (Easily Liberatable)	N	N	mg/kg	2325	09/04/26
Sulphate (Total)	U	N	%	2430	15/04/26
Arsenic	M	N	mg/kg	2455	14/04/26
Barium	M	N	mg/kg	2455	14/04/26
Cadmium	M	N	mg/kg	2455	14/04/26
Chromium	M	N	mg/kg	2455	14/04/26
Molybdenum	M	N	mg/kg	2455	14/04/26
Antimony	N	N	mg/kg	2455	14/04/26
Copper	M	N	mg/kg	2455	14/04/26
Mercury	M	N	mg/kg	2455	14/04/26
Nickel	M	N	mg/kg	2455	14/04/26
Lead	M	N	mg/kg	2455	14/04/26
Selenium	M	N	mg/kg	2455	14/04/26
Zinc	M	N	mg/kg	2455	14/04/26
Chromium (Trivalent)	N	N	mg/kg	2490	17/04/26
Chromium (Hexavalent)	N	N	mg/kg	2490	17/04/26
Aliphatic VPH >C5-C6	U	N	mg/kg	2780	29/04/26
Aliphatic VPH >C6-C7	U	N	mg/kg	2780	29/04/26
Aliphatic VPH >C7-C8	U	N	mg/kg	2780	29/04/26
Aliphatic VPH >C8-C10	U	N	mg/kg	2780	29/04/26
Total Aliphatic VPH >C5-C10	U	N	mg/kg	2780	29/04/26
Aromatic VPH >C5-C7	U	N	mg/kg	2780	29/04/26
Aromatic VPH >C7-C8	U	N	mg/kg	2780	29/04/26
Aromatic VPH >C8-C10	U	N	mg/kg	2780	29/04/26

Result Dates

Project: BHP-MTI

Client: BHP Laboratories	Chemtest Job No.: 26-10818				
Quotation No.:	Chemtest Sample ID.: 2105728				
Order No.:	Client Sample Ref.: TP6				
	Client Sample ID.: 26/03/7559				
	Client Reference: Sarsfield Barracks				
	Sample Type: SOIL				
	Date Sampled: 26-Mar-2026				
	Time Sampled:				
Determinand	Accred.	WAC	Units	SOP	
Total Aromatic VPH >C5-C10	U	N	mg/kg	2780	29/04/26
Total VPH >C5-C10	U	N	mg/kg	2780	29/04/26
WAC Total C10-C40	N	Y	mg/kg	5002	15/04/26
Aliphatic EPH >C10-C12	M	N	mg/kg	5002	15/04/26
Aliphatic EPH >C12-C16	M	N	mg/kg	5002	15/04/26
Aliphatic EPH >C16-C21	M	N	mg/kg	5002	15/04/26
Aliphatic EPH >C21-C35	M	N	mg/kg	5002	15/04/26
Aliphatic EPH >C35-C40	N	N	mg/kg	5002	15/04/26
Total Aliphatic EPH >C10-C35	M	N	mg/kg	5002	15/04/26
Aromatic EPH >C10-C12	U	N	mg/kg	5002	15/04/26
Aromatic EPH >C12-C16	U	N	mg/kg	5002	15/04/26
Aromatic EPH >C16-C21	U	N	mg/kg	5002	15/04/26
Aromatic EPH >C21-C35	U	N	mg/kg	5002	15/04/26
Aromatic EPH >C35-C40	N	N	mg/kg	5002	15/04/26
Total Aromatic EPH >C10-C35	U	N	mg/kg	5002	15/04/26
Total EPH >C10-C35	U	N	mg/kg	5002	15/04/26
WAC Received weight	U	Y	g	650	08/04/26
Loss On Ignition	M	Y	%	2610	10/04/26
Total Organic Carbon	M	Y	%	2625	14/04/26
Mineral Oil EPH	N	N	mg/kg	5002	16/04/26
Benzene	M	N	µg/kg	2760	21/04/26
Total BTEX	M	Y	mg/kg	2760	21/04/26
Toluene	M	N	µg/kg	2760	21/04/26
Ethylbenzene	M	N	µg/kg	2760	21/04/26
m & p-Xylene	M	N	µg/kg	2760	21/04/26
o-Xylene	M	N	µg/kg	2760	21/04/26
Methyl Tert-Butyl Ether	M	N	µg/kg	2760	21/04/26
Naphthalene	M	N	mg/kg	5003	15/04/26
Acenaphthylene	M	N	mg/kg	5003	15/04/26
Acenaphthene	M	N	mg/kg	5003	15/04/26
Fluorene	M	N	mg/kg	5003	15/04/26
Phenanthrene	M	N	mg/kg	5003	15/04/26
Anthracene	M	N	mg/kg	5003	15/04/26
Fluoranthene	M	N	mg/kg	5003	15/04/26
Pyrene	M	N	mg/kg	5003	15/04/26
Benzo[a]anthracene	M	N	mg/kg	5003	15/04/26
Chrysene	M	N	mg/kg	5003	15/04/26

Result Dates

Project: BHP-MTI

Client: BHP Laboratories	Chemtest Job No.: 26-10818				
Quotation No.:	Chemtest Sample ID.: 2105728				
Order No.:	Client Sample Ref.: TP6				
	Client Sample ID.: 26/03/7559				
	Client Reference: Sarsfield Barracks				
	Sample Type: SOIL				
	Date Sampled: 26-Mar-2026				
	Time Sampled:				
Determinand	Accred.	WAC	Units	SOP	
Benzo[b]fluoranthene	M	N	mg/kg	5003	15/04/26
Benzo(k)Fluoranthene	M	N	mg/kg	5003	15/04/26
Benzo[a]pyrene	M	N	mg/kg	5003	15/04/26
Indeno(1,2,3-c,d)Pyrene	M	N	mg/kg	5003	15/04/26
Dibenz(a,h)Anthracene	M	N	mg/kg	5003	15/04/26
Benzo[g,h,i]perylene	M	N	mg/kg	5003	15/04/26
Coronene	N	N	mg/kg	5003	15/04/26
Total (Of 17) PAH's	N	Y	mg/kg	5003	15/04/26
PCB 28	U	N	mg/kg	2815	20/04/26
PCB 52	U	N	mg/kg	2815	20/04/26
PCB 101	U	N	mg/kg	2815	20/04/26
PCB 118	U	N	mg/kg	2815	20/04/26
PCB 153	U	N	mg/kg	2815	20/04/26
PCB 138	U	N	mg/kg	2815	20/04/26
PCB 180	U	N	mg/kg	2815	20/04/26
Total PCBs (7 Congeners)	M	Y	mg/kg	2815	20/04/26
Tot PCBs Low (7 Congeners)	N	N	mg/kg	2815	20/04/26
Total Phenols	M	N	mg/kg	2920	22/04/26
Ammonium	U	N	mg/l	1220	14/04/26
Ammonium	N	N	mg/kg	1220	14/04/26
Dry Mass Of Test Portion	N	Y	kg	640	09/04/26
Moisture	N	Y	% dry weight	640	08/04/26
Volume Of C10 Leachant	N	Y	l	640	08/04/26
Total Dissolved Solids	N	Y	mg/l	1020	10/04/26
Total Dissolved Solids	N	Y	mg/kg	1020	10/04/26
Chloride	U	Y	mg/l	1220	14/04/26
Fluoride	U	Y	mg/l	1220	14/04/26
Sulphate	U	Y	mg/l	1220	14/04/26
Chloride	U	Y	mg/kg	1220	14/04/26
Fluoride	U	Y	mg/kg	1220	14/04/26
Sulphate	U	Y	mg/kg	1220	14/04/26
Arsenic	U	Y	mg/l	1455	13/04/26
Boron	U	Y	mg/l	1455	13/04/26
Arsenic	U	Y	mg/kg	1455	13/04/26
Boron	U	Y	mg/kg	1455	13/04/26
Barium	U	Y	mg/l	1455	13/04/26

Result Dates

Project: BHP-MTI

Client: BHP Laboratories	Chemtest Job No.: 26-10818				
Quotation No.:	Chemtest Sample ID.: 2105728				
Order No.:	Client Sample Ref.: TP6				
	Client Sample ID.: 26/03/7559				
	Client Reference: Sarsfield Barracks				
	Sample Type: SOIL				
	Date Sampled: 26-Mar-2026				
	Time Sampled:				
Determinand	Accred.	WAC	Units	SOP	
Barium	U	Y	mg/kg	1455	13/04/26
Cadmium	U	Y	mg/l	1455	13/04/26
Cadmium	U	Y	mg/kg	1455	13/04/26
Chromium	U	Y	mg/l	1455	13/04/26
Chromium	U	Y	mg/kg	1455	13/04/26
Copper	U	Y	mg/l	1455	13/04/26
Copper	U	Y	mg/kg	1455	13/04/26
Mercury	U	Y	mg/l	1455	13/04/26
Mercury	U	Y	mg/kg	1455	13/04/26
Molybdenum	U	Y	mg/l	1455	13/04/26
Molybdenum	U	Y	mg/kg	1455	13/04/26
Nickel	U	Y	mg/l	1455	13/04/26
Nickel	U	Y	mg/kg	1455	13/04/26
Lead	U	Y	mg/l	1455	13/04/26
Lead	U	Y	mg/kg	1455	13/04/26
Antimony	N	Y	mg/l	1455	13/04/26
Antimony	N	Y	mg/kg	1455	13/04/26
Selenium	U	Y	mg/l	1455	13/04/26
Selenium	U	Y	mg/kg	1455	13/04/26
Zinc	U	Y	mg/l	1455	13/04/26
Zinc	U	Y	mg/kg	1455	13/04/26
Dissolved Organic Carbon	U	Y	mg/l	1610	14/04/26
Dissolved Organic Carbon	U	Y	mg/kg	1610	14/04/26
Phenol Index	U	Y	mg/l	1920	13/04/26
Phenol Index	U	Y	mg/kg	1920	13/04/26

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity at 25°C and Total Dissolved Solids (TDS) in Waters	Conductivity Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW PL LE DW GW
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).	RE PW PL SW DW GW
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation	PL SW GW
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	PL GW
2010	pH Value of Soils	pH at 20°C	pH Meter	
2015	Acid Neutralisation Capacity	Acid Reserve	Titration	
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	
2180	Sulphur (Elemental) in Soils by HPLC	Sulphur	Dichloromethane extraction / HPLC with UV detection	
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.	
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.	
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.	
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.	
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.	
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	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS. Reported PCB 101 results may contain contributions from PCB 90 due to inseparable chromatography.	
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; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Hexane / Acetone extraction GC-MS	
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	
650	Characterisation of Waste (Leaching C2,C8,C10,WAC)	Waste material including soil, sludges and granular waste	ComplianceTest 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

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.

Charges may apply to extended sample storage.

Report Information

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