

APPENDIX C

SUMMARY OF LABORATORY SOIL TEST RESULTS METALS AND SEMI-METALS

Job No.: 12800
Site: Wenallt Road, Tonna
Soil Type: Topsoil/Made Ground
Soil Organic Matter: 1%

No.	Location	Depth (m)	Arsenic (mg/kg)	Boron (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (Elemental) (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
1	TP/1	0.1	28	0.5	0.55	< 0.2	25	< 4.0	42	66	< 0.3	23	< 1.0	30	140
2	TP/2	0.1	53	0.6	0.7	2.7	19	< 4.0	130	88	< 0.3	24	< 1.0	31	580
3	TP/3	0.1	37	0.7	0.81	< 0.2	17	< 4.0	80	62	< 0.3	33	< 1.0	27	170
4	TP/4	0.1	32	0.7	0.72	< 0.2	16	< 4.0	87	130	< 0.3	24	< 1.0	31	200
Screening Criteria Value			37.5	290.0	1.7	11.0	6.0	6.0	2400.0	200.0	1.2	130.0	250.0	410.0	3700.0
Source of Screening Criteria Value			S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	S4UL	C4SL	S4UL	S4UL	S4UL	S4UL	S4UL
2024															
TP/1			66.1	3.21		0.59	0.9		86.5	125	< 0.1	26.5	1.4		163
TP/2			48.4	2.47		1.45	4.51		64.2	99.4	< 0.1	24.5	1.48		552

2021
2024

Results
Comparison 2021/2024

Fig. C/1.

SUMMARY OF LABORATORY SOIL TEST RESULTS POLYAROMATIC HYDROCARBONS (PAH)

Job No.: 125000
 Site: Wieralt Road, Tanna
 Topsoil/Made Ground
 Soil Organic Matter: 1%

No.	Location	Depth (m)	Acenaphthene (mg/kg)	Acenaphthylene (mg/kg)	Anthracene (mg/kg)	Benzo(a)anthracene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenz(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Indene(1,2,3-cd)pyrene (mg/kg)	Isophtalene (mg/kg)	Phenanthrene (mg/kg)	Pyrene (mg/kg)
1	7980	0.15	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25
2	7982	0.30	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25
3	7982	0.45	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25
4	7986	0.15	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25	< 1.25
Background Concentration			27.62	179.2	3480.3	7.2	2.2	2.2	46.3	0.2	174.0	27.0	2.2	80.0	550.0
Source of Background Concentration			SHLL	SHLL	SHLL	SHLL	SHLL	SHLL	SHLL	SHLL	SHLL	SHLL	SHLL	SHLL	SHLL
2024	7984	0.1	0.17		< 0.1		0.04		0.07		< 0.1		0.01		0.37
7982	0.1	0.08			< 0.1		0.30		0.60		< 0.1		0.01		0.37

Fig. CR

SUMMARY OF LABORATORY SOIL TEST RESULTS INORGANIC CHEMICALS & OTHERS

Job No.: 12800
 Site: Wenallt Road, Tonna
 Soil Type: Topsoil/Made Ground
 Soil Organic Matter: 1%

No.	Location	Depth (m)	Cyanide (mg/kg)	Loss on Ignition, dried solids (%)	Moisture content at 30 C (%)	Phenol (mg/kg)	pH (pH units)	Water Soluble Sulphate (g/l)	Sulphate Total as SO4 (mg/kg)	Sulphide (mg/kg)	Total Sulphur (mg/kg)	TOC by Ignition in O2 (%)	Equivalent SOM (%)	Asbestos in Soil	Asbestos Quantification (%)
1	TP01	0.10	<1	9.80	21.00	<1.0	6.60	0.01	720.00	3.10	600.00	5.00	8.60	Not-detectd	-
2	TP02	0.20	<1	14.50	17.00	<1.0	7.20	0.01	880.00	<1.0	830.00	5.50	9.45	Not-detectd	-
3	TP03	0.60	<1	8.50	10.00	<1.0	8.10	0.01	440.00	<1.0	310.00	3.20	5.50	Not-detectd	-
4	TP04	0.10	<1	8.30	15.00	<1.0	8.40	0.02	450.00	46.00	460.00	4.70	8.03	Not-detectd	-
Generating Criteria Value															
Source of Screening Criteria Value															
ATRSK															
2024															
TP11	0.1		<0.01			<0.01	8.11			<15	370			White	<0.001
TP12	0.1		<0.01			<0.01	6.95			<15	298			N/D	N/D

Fig C3