Appendix C - Supporting Information from the Investigation Phase

Table 1 - Summary of Acid Sulfate Soil Analytcial Results for 600-660 Elizabeth Street, Redfern NSW

Sample ID	Sampling Date	Soil type	pH Assessment				Lab pH		SPOCAS					CRS Suite			Liming Rate ($kgCaCO_3/t$)
			pH_F	pH_{FOX}	pH Difference (pH_F - pH_{FOX})	Reaction Rate (pHfox)	pH KCl	pH OX	TAA (moles H^+/tonne)	TPA (moles H^+/tonne)	TSA (moles H^+/tonne)	S_{POS} (as %S)	Net Acidity (moles H+/tonne)	TAA (as %S)	CRS (as %S)	Net Acidity (as %S)	
Previous Investigation - soils (EMM, 2019)																	
BH01_05_191127	27/11/2019	Fill	NA	NA	NA	NA	9.1	7.6	<2	<2	<2	<0.020	<10	<0.020	NA	NA	<1
BH01_25_191127	27/11/2019	Natural	NA	NA	NA	NA	4.5	1.6	171	6940	6770	2.61	1800	0.274	NA	NA	135
BH02_15	29/11/2019	Natural	NA	NA	NA	NA	5.3	3.1	18	98	80	0.07	61	0.028	NA	NA	4
BH02_25_191127	27/11/2019	Natural	NA	NA	NA	NA	4.5	1.8	199	5380	5180	1.52	1150	0.319	NA	NA	86
BH03_15_191127	27/11/2019	Natural	NA	NA	NA	NA	6.3	2.4	5	743	738	0.919	578	<0.020	NA	NA	43
BH03_25_191127	27/11/2019	Natural	NA	NA	NA	NA	4.5	2.7	70	581	511	0.168	176	0.113	NA	NA	13
BH04_15_191127	27/11/2019	Natural	NA	NA	NA	NA	4.3	1.8	312	4730	4420	1.54	1270	0.5	NA	NA	95
BH05_09_191127	27/11/2019	Fill	NA	NA	NA	NA	6.8	3.8	<2	<2	<2	0.045	28	<0.020	NA	NA	<1
BH05_12_191127	27/11/2019	Natural	NA	NA	NA	NA	5.2	2	108	6030	5920	1.65	1140	0.174	NA	NA	85
BH06_22_191127	27/11/2019	Natural	NA	NA	NA	NA	4.1	2	218	3020	2800	1.07	887	0.35	NA	NA	66
BH07_09_191127	27/11/2019	Natural	NA	NA	NA	NA	6.3	5.4	<2	<2	<2	0.053	33	<0.020	NA	NA	2
BH07_11_191127	27/11/2019	Natural	NA	NA	NA	NA	5.7	2.5	8	319	311	0.156	105	<0.020	NA	NA	8
BH08_05_191127	27/11/2019	Fill	NA	NA	NA	NA	10.6	7.6	<2	<2	<2	0.026	16	<0.020	NA	NA	<1
BH09_10_191127	27/11/2019	Natural	NA	NA	NA	NA	7	7.3	<2	<2	<2	0.02	12	<0.020	NA	NA	<1
BH10_25_191128	28/11/2019	Fill	NA	NA	NA	NA	4.1	1.7	214	6630	6420	1.93	1420	0.344	NA	NA	107
BH12_15_191128	28/11/2019	Fill	NA	NA	NA	NA	3.8	1.7	437	7310	6870	2.39	1870	0.701	NA	NA	141
BH12_25_191128	28/11/2019	Natural	NA	NA	NA	NA	5.7	3.8	<2	<2	<2	<0.020	<10	<0.020	NA	NA	<1
BH13_15_191128	28/11/2019	Natural	NA	NA	NA	NA	4	1.5	332	8040	7710	2.18	1690	0.532	NA	NA	127
BH14_03_191128	28/11/2019	Fill	NA	NA	NA	NA	10.9	8.4	<2	<2	<2	0.048	30	<0.020	NA	NA	<1
BH14_30_191128	28/11/2019	Natural	NA	NA	NA	NA	4.6	2	102	1750	1650	0.669	519	0.163	NA	NA	39
BH15_15_191128	28/11/2019	Natural	NA	NA	NA	NA	5	1.8	80	5720	5640	1.98	1320	0.128	NA	NA	99
BH15_25_191128	28/11/2019	Natural	NA	NA	NA	NA	4.1	1.8	171	5160	4980	1.78	1280	0.274	NA	NA	96
BH16_17_191128	28/11/2019	Natural	NA	NA	NA	NA	3.7	1.6	342	7660	7320	2.46	1860	0.548	NA	NA	140
BH17_05_191128	28/11/2019	Fill	NA	NA	NA	NA	7.4	6.3	<2	<2	<2	<0.020	<10	<0.020	NA	NA	<1
BH17_25_191128	28/11/2019	Natural	NA	NA	NA	NA	4.6	2.1	26	1180	1150	0.564	377	0.041	NA	NA	28
BH18_28_191129	29/11/2019	Natural	NA	NA	NA	NA	5.7	3.2	<2	<2	<2	0.034	21	<0.020	NA	NA	2
BH19_15_191129	29/11/2019	Natural	NA	NA	NA	NA	4.9	1.7	137	7140	7000	2.36	1610	0.22	NA	NA	120
BH19_25_191129	29/11/2019	Natural	NA	NA	NA	NA	4.4	2.4	56	875	818	0.299	243	0.091	NA	NA	18
MW11_35_191128	28/11/2019	Natural	NA	NA	NA	NA	5.1	2.6	10	198	188	0.094	68	<0.020	NA	NA	5
MW11_50_191128	28/11/2019	Natural	NA	NA	NA	NA	5.3	2.7	5	100	95	0.046	34	<0.020	NA	NA	2
MW20_18_191129	29/11/2019	Natural	NA	NA	NA	NA	5.2	2	108	4930	4820	1.67	1150	0.172	NA	NA	86
MW20_40_191129	29/11/2019	Natural	NA	NA	NA	NA	5.1	2.2	22	879	857	0.444	299	0.035	NA	NA	22
MW21_44_191129	29/11/2019	Natural	NA	NA	NA	NA	4	1.5	319	5500	5180	3.38	2410	0.511	NA	NA	181
Previous Investigation - soils (JBS&G, 2022)																	
BH02A_7.0-8.0	26/04/2022	Sand	6.1	5	1.1	NA	6	NA	7	NA	NA	NA	<10	NA	0.008	NA	<1
BH02A_6.5-6.6	26/04/2022	Sand	7	4.2	2.8	NA	5.5	NA	3	NA	NA	NA	<11	NA	<0.005	NA	<1
BH02A_6.2-6.3	26/04/2022	Sand	6.7	2.1	4.6	NA	5.8	NA	5	NA	NA	NA	<12	NA	0.011	NA	<1
BH02A_5.9-6.0	26/04/2022	Sand	6.6	2.3	4.3	NA	5.3	NA	5	NA	NA	NA	<13	NA	0.016	NA	1.2
BH02A_5.3-5.4	26/04/2022	Sand	6.8	2.6	4.2	NA	5.5	NA	3	NA	NA	NA	<14	NA	<0.005	NA	<1
BH02A_5.0-5.1	26/04/2022	Sand	6.6	2.8	3.8	NA	6.1	NA	<2	NA	NA	NA	<15	NA	0.009	NA	<1
BH02A_4.7-4.8	26/04/2022	Sand	6.9	2.3	4.6	NA	5.5	NA	3	NA	NA	NA	<16	NA	<0.005	NA	<1
BH02A_4.3-4.4	26/04/2022	Sand	6.8	2.3	4.5	NA	5.8	NA	5	NA	NA	NA	<17	NA	0.013	NA	<1
BH02A_3.9-4.0	26/04/2022	Sand	6.9	2.3	4.6	NA	5.6	NA	5	NA	NA	NA	<18	NA	0.012	NA	<1
BH02A_3.8-3.9	26/04/2022	Sand	6.8	2.4	4.4	NA	5.6	NA	5	NA	NA	NA	<19	NA	0.02	NA	1.3
BH02A_3.5-3.6	26/04/2022	Sand	6.7	2.5	4.2	NA	5.2	NA	5	NA	NA	NA	<20	NA	0.027	NA	1.6
BH02A_2.9-3.0	26/04/2022	Sand	7.2	2.1	5.1	NA	5.3	NA	6	NA	NA	NA	<21	NA	0.021	NA	1.4
BH02A_2.5-2.6	26/04/2022	Peat	6.4	3.8	2.6	NA	5.5	NA	4	NA	NA	NA	<22	NA	0.006	NA	<1
BH02A_2.2-2.3	26/04/2022	Peat	6	2.8	3.2	NA	7.2	NA	<2	NA	NA	NA	<23	NA	0.012	NA	<1
BH02A_1.8-1.9	26/04/2022	Peat	6.1	2.7	3.4	NA	4.3	NA	100	NA	NA	NA	<24	NA	0.013	NA	8.4
BH02A_1.5-1.6	26/04/2022	Peat	5	3.1	1.9	NA	3.9	NA	420	NA	NA	NA	<25	NA	0.11	NA	37
BH02A_1.2-1.3	26/04/2022	Peat	5.5	4.3	1.2	NA	5.1	NA	42	NA	NA	NA	<26	NA	0.011	NA	3.7
BH02A_0.3-0.4	26/04/2022	Fill	7.9	5.5	2.4	NA	6.6	NA	<2	NA	NA	NA	<27	NA	0.012	NA	<1
BH01A_7.9-8.0	26/04/2022	Sand	8.4	5.9	2.5	NA	5.8	NA	5	NA	NA	NA	<28	NA	<0.005	NA	<1
BH01A_7.4-7.5	26/04/2022	Sand	8.1	6	2.1	NA	8.8	NA	<2	NA	NA	NA	<29	NA	<0.005	NA	<1
BH01A_7.0-7.1	26/04/2022	Sand	8	5.9	2.1	NA	5.7	NA	5	NA	NA	NA	<30	NA	<0.005	NA	<1
BH01A_6.4-6.5	26/04/2022	Sand	7.2	6.0	1.2	NA	5.4	NA	3	NA	NA	NA	<31	NA	<0.005	NA	<1
BH01A_5.6-5.7	26/04/2022	Sand	7.9	6.0	1.9	NA	5.5	NA	2	NA	NA	NA	<32	NA	<0.005	NA	<1
BH01A_5.1-5.2	26/04/2022	Sand	7.5	5.8	1.7	NA	7.9	NA	<2	NA	NA	NA	<33	NA	<0.005	NA	<1
BH01A_4.7-4.8	26/04/2022	Sand	7.6	5.9	1.7	NA	5.9	NA	<2	NA	NA	NA	<34	NA	<0.005	NA	<1
BH01A_4.1-4.2	26/04/2022	Sand	7.5	5.9	1.6	NA	6	NA	<2	NA	NA	NA	<35	NA	<0.005	NA	<1
BH01A_3.7-3.8	26/04/2022	Sand	7.2	6.0	1.2	NA	5.9	NA	<2	NA	NA	NA	<36	NA	<0.005	NA	<1
BH01A_3.1-3.2	26/04/2022	Sand	7.3	5.3	2.0	NA	5.8	NA	2	NA	NA	NA	<37	NA	0.011	NA	<1
BH01A_2.7-2.8	26/04/2022	Sand	7.5	3.9	3.6	NA	4.7	NA	15	NA	NA	NA	<38	NA	0.008	NA	1.5
BH01A_2.4-2.5	26/04/2022	Peat	7.4	4.0	3.4	NA	4.6	NA	56	NA	NA	NA	<39	NA	0.013	NA	4.8
BH01A_2.1-2.2	26/04/2022	Peat	7.6	4.2	3.4	NA	4.3	NA	310	NA	NA	NA	<40	NA	0.09	NA	28
BH01A_1.9-2.0	26/04/2022	Peat	7.7	4.3	3.4	NA	4.5	NA	180	NA	NA	NA	<41	NA	0.25	NA	25
BH01A_1.6-1.7	26/04/2022	Peat	7.9	4.4	3.5	NA	4.9	NA	190	NA	NA	NA	<42	NA	0.13	NA	20
BH01A_1.1-1.2	26/04/2022	Peat	8.2	5.1	3.1	NA	5.9	NA	23	NA	NA	NA	<43	NA	0.038	NA	3.5
BH01A_0.7-0.8	26/04/2022	Fill	8.8	6.2	2.6	NA	8.4	NA	<2	NA	NA	NA	<44	NA	<0.005	NA	<1
BH01A_0.5-0.6	26/04/2022	Fill	9.0	6.3	2.7	NA	8.9	NA	<2	NA	NA	NA	<45	NA	<0.005	NA	<1
BH05A_7.25-7.35	26/04/2022	Sand	6.8	4.6	2.2	NA	5.3	NA	6	NA	NA	NA	<46	NA	0.17	NA	8.3
BH05A_6.75-6.85	26/04/2022	Sand	7.2	5.8	1.4	NA	4.9	NA	15	NA	NA	NA	<47	NA	0.13	NA	7.1
BH05A_6.25-6.35	26/04/2022	Sand	6.8	5	1.8	NA	4.9	NA	19	NA	NA	NA	<48	NA	0.078	NA	5.1
BH05A_5.75-5.85	26/04/2022	Sand	6.5	5.2	1.3	NA	5.2	NA	9	NA	NA	NA	<49	NA	0.13	NA	6.9
BH05A_5.25-5.35	26/04/2022	Sand	7	5.1	1.9	NA	5	NA	10	NA	NA	NA	<50	NA	0.1	NA	5.6
BH05A_4.75-4.85	26/04/2022	Sand	6.6	5.3	1.3	NA	5.1	NA	10	NA	NA	NA	<51	NA	0.072	NA	4.1
BH05A_4.25-4.35	26/04/2022	Sand	6	5.9	0.1	NA	5	NA	15	NA	NA	NA	<52	NA	0.16	NA	8.5
BH05A_4-4.1	26/04/2022	Sand	6.7	5.8	0.9	NA	4.8	NA	8	NA	NA	NA	<53	NA	0.17	NA	8.5
BH05A_3.75-3.85	26/04/2022	Peat	6.9	5	1.9	NA	4	NA	150	NA	NA	NA	<54	NA	0.2	NA	21
BH05A_3.5-3.6	26/04/2022	Peat	6	5.3	0.7	NA	4.2	NA	120	NA	NA	NA	<55	NA	0.02	NA	10
BH05A_3.25-3.35	26/04/2022	Peat	6.4	4.7	1.7	NA	3.9	NA	200	NA	NA	NA	<56	NA	0.53	NA	40
BH05A_2.75-2.85	26/04/2022	Peat	6.5	4.8	1.7	NA	4.1	NA	230	NA	NA	NA	<57	NA	0.033	NA	20
BH05A_2.5-2.6	26/04/2022	Peat	6.5	4	2.5	NA	4.3	NA	230	NA	NA	NA	<58	NA	0.081	NA	22
BH05A_2.25-2.35	26/04/2022	Peat	6.2	5.1	1.1	NA	4.1	NA	270	NA	NA	NA	<59	NA	0.19	NA	29
BH05A_1.75-1.85	26/04/2022	Peat	6.7	5.3	1.4	NA	3.9	NA	460	NA	NA	NA	<60	NA	0.036	NA	36
BH04A_7.9-8	26/04/2022	Sand	6.1	5.2	0.9	NA	4.6	NA	16	NA	NA	NA	<61	NA	0.021	NA	2.2
BH04A_7.75-7.85	26/04/2022	Sand	6.6	4.5	2.1	NA	4.4	NA	33	NA	NA	NA	<62	NA	0.022	NA	3.9
BH04A_7.25-7.35	26/04/2022	Sand	7	4.9	2.1	NA	4.9	NA	15	NA	NA	NA	<63	NA	0.01	NA	1.6
BH04A_6.75-6.85	26/04/2022	Sand	6.8	4.8	2.0	NA	5.1	NA	17	NA	NA	NA	<64	NA	0.016	NA	2
BH04A_6.25-6.35	26/04/2022	Sand	6	4.8	1.2	NA	4.9	NA	20	NA	NA	NA	<65	NA	0.014	NA	2.1
BH04A_5.25-5.35	26/04/2022	Sand	6.5	5.6	0.9	NA	4.9	NA	28	NA	NA	NA	<66	NA	0.017	NA	2.9
BH04A_5-5.1	26/04/2022	Sand	7	5.2	1.8	NA	4.5	NA	25	NA	NA	NA	<67	NA	0.03	NA	3.3
BH04A_4.5-4.6	26/04/2022	Sand	7.5	5.8	1.7	NA	4.6	NA	22	NA	NA	NA	<68	NA	0.019	NA	2.5
BH04A_4-4.1	26/04/2022	Sand	7.3	5.2	2.1	NA	5.9	NA	<2	NA	NA	NA	<69	NA	<0.005	NA	<1
BH04A_3.5-3.6	26/04/2022	Sand	6.5	5.1	1.4	NA	5.1	NA	7	NA	NA	NA	<70	NA	0.036	NA	2.2
BH04A_3.25-3.35	26/04/2022	Peat	7.3	5.6	1.7	NA	4.5	NA	55	NA	NA	NA	<71	NA	0.04	NA	6
BH04A_3-3.1	26/04/2022	Sand	6.9	5.1	1.8	NA	4.2	NA	54	NA	NA	NA	<72	NA	0.011	NA	5
BH04A_2.5-2.6	26/04/2022	Peat	6.8	4.7	2.1	NA	4.2	NA	180	NA	NA	NA	<73	NA	0.052	NA	16
BH04A_2-2.1	26/04/2022	Peat	7.2	5.7	1.5	NA	4.1	NA	220	NA	NA	NA	<74	NA	0.049	NA	19
BH04A_1.75-1.85	26/04/2022	Peat	7.1	5.1	2.0	NA	4.3	NA	200	NA	NA	NA	<75	NA	0.055	NA	18
BH04A_1.25-1.35	26/04/2022	Fill	6.9	5.2	1.7	NA	5.2	NA	84	NA	NA	NA	<76	NA	0.028	NA	7.6
BH03A_7.3-7.4	26/04/2022	Sand	6.2	5.9	0.3	NA	5.6	NA	<2	NA	NA	NA	<77	NA	<0.005	NA	<1
BH03A_6.9-7.0	26/04/2022	Sand	6.1	5.7	0.4	NA	5	NA	10	NA	NA	NA	<78	NA	<0.005	NA	<1
BH03A_6.6-6.7	26/04/2022	Sand	6.2	5.7	0.5	NA	4.7	NA	12	NA	NA	NA	<79	NA	0.008	NA	1.3
BH03A_6.3-6.4	26/04/2022	Sand	6.2	5.7	0.5	NA	5.7	NA	5	NA	NA	NA	<80	NA	<0.005	NA	<1
BH03A_5.9-6.0	26/04/2022	Sand	6.2	5.7	0.5	NA	5.4	NA	3	NA	NA	NA	<81	NA	<0.005	NA	<1
BH03A_5.3-5.4	26/04/2022	Sand	6.2	5	1.2	NA	5.9	NA	5	NA	NA	NA	<82	NA	0.046	NA	2.5
BH03A_4.9-5.0	26/04/2022	Sand	6.2	5.6	0.6	NA	5.8	NA	5	NA	NA	NA	<83	NA	0.006	NA	<1
BH03A_4.3-4.4	26/04/2022	Sand	6.3	5.5	0.8	NA	5.1	NA	5	NA	NA	NA	<84	NA	0.016	NA	1.1
BH03A_3.9-4.0	26/04/2022	Sand	6.4	5	1.4	NA	5.5	NA	3	NA	NA	NA	<85	NA	0.011	NA	<1
BH03A_3.7-3.8	26/04/2022	Sand	6.6	5.1	1.5	NA	5.4	NA	<2	NA	NA	NA	<86	NA	0.016	NA	<1
BH03A_3.1-3.2	26/04/2022	Peat	6.8	5.4	1.4	NA	4.6	NA	150	NA	NA	NA	<87	NA	0.075	NA	15
BH03A_2.9-3.0	26/04/2022	Peat	7	4.9	2.1	NA	4.2	NA	270	NA	NA	NA	<88	NA	0.12	NA	26
BH03A_2.3-2.4	26/04/2022	Sand	6.8	5.1	1.7	NA	5.1	NA	61	NA	NA	NA	<89	NA	0.029	NA	5.9
BH03A_1.9-2.0	26/04/2022	Sand	6.8	5.7	1.1	NA	4.4	NA	62	NA	NA	NA	<90	NA	0.013	NA	5.9
BH03A_1.6-1.7	26/04/2022	Peat	6.9	5.6	1.3	NA	4.4	NA	79	NA	NA	NA	<91	NA	0.009	NA	7
BH03A_1.3-1.4	26/04/2022	Peat	7	5.5	1.5	NA	4.2	NA	52	NA	NA	NA	<92	NA	0.015	NA	4.9
BH03A_1.0-1.1	26/04/2022	Peat	7.1	5.1	2.0	NA	4.1	NA	180	NA	NA	NA	<93	NA	0.22	NA	24
TP02_3.4-3.5	28/04/2022	Peat	NA	NA	NA	NA	8.22	NA	3	NA	NA	NA	<94	NA	0.018	NA	1
QA07 (duplicate pair of TP02_3.25-3.35)	28/04/2022	Peat	NA	NA	NA	NA	8.21	NA	7	NA	NA	NA	<95	NA	0.009	NA	<1
TP02_3.25-3.35	28/04/2022	Peat	NA	NA	NA	NA	8.20	NA	30	NA	NA	NA	<96	NA	0.027	NA	3.5
TP02_2.75-2.85	28/04/2022	Peat	NA	NA	NA	NA	8.19	NA	130	NA	NA	NA	<97	NA	0.14	NA	16
QA05 (duplicate pair of TP02_2.25-2.35)	28/04/2022	Peat	NA	NA	NA	NA	8.18	NA	340	NA	NA	NA	<98	NA	0.12	NA	32
TP02_2.25-2.35	28/04/2022	Peat	NA	NA	NA	NA	8.17	NA	280	NA	NA	NA	<99	NA	0.13	NA	28
QA04 (duplicate pair of TP02_1.75-1.85)	28/04/2022	Peat	NA	NA	NA	NA	8.16	NA	970	NA	NA	NA	<100	NA	0.049	NA	76
TP02_1.75-1.85	28/04/2022	Peat	NA	NA	NA	NA	8.15	NA	250	NA	NA	NA	<101	NA	0.3	NA	33
TP01_3.4-3.5	28/04/2022	Sand	NA	NA	NA	NA	8.14	NA	5	NA	NA	NA	<102	NA	0.074	NA	3.9
TP01_3.25-3.35	28/04/2022	Sand	NA	NA	NA	NA	8.13	NA	6	NA	NA	NA	<103	NA	0.007	NA	<1
QA06 (duplicate pair of TP01_3.0-3.1)	28/04/2022	Peat	NA	NA	NA	NA	8.12	NA	19	NA	NA	NA	<104	NA	0.038	NA	3.2
TP01_3.0-3.1	28/04/2022	Peat	NA	NA	NA	NA	8.11	NA	52	NA	NA	NA	<105	NA	0.024	NA	5.2
TP01_2.75-2.85	28/04/2022	Peat	NA	NA	NA	NA	8.10	NA	300	NA	NA	NA	<106	NA	0.071	NA	26
TP01_2.25-2.35	28/04/2022	Peat	NA	NA	NA	NA	8.9	NA	23	NA	NA	NA	<107	NA	0.39	NA	20
TP01_1.75-1.85	28/04/2022	Peat	NA	NA	NA	NA	8.8	NA	6	NA	NA	NA	<108	NA	0.074	NA	3.9
TP01_1.5-1.6	28/04/2022	Peat	NA	NA	NA	NA	8.7	NA	18	NA	NA	NA	<109	NA	0.36	NA	18
QA08 (duplicate pair of TP01_1.25-1.35)	28/04/2022	Peat	NA	NA	NA	NA	8.6	NA	25	NA	NA	NA	<110	NA	0.39	NA	20
TP01_1.25-1.35	28/04/2022	Peat	NA	NA	NA	NA	8.5	NA	27	NA	NA	NA	<111	NA	0.46	NA	23
TP01_0.0-0.1	28/04/2022	Fill	NA	NA	NA	NA	8.4	NA	<2	NA	NA	NA	<112	NA	<0.005	NA	<1
QA02 (duplicate pair of BH06A_7.9-8)	26/04/2022	Sand	NA	NA	NA	NA	8.3	NA	<2	NA	NA	NA	<113	NA	<0.005	NA	<1
BH06A_7.9-8	26/04/2022	Sand	NA	NA	NA	NA	4.6	NA	35	NA	NA	NA	<114	NA	0.46	NA	24
BH06A_7.75-7.85	26/04/2022	Sand	NA	NA	NA	NA	6.5	NA	3	NA	NA	NA	<115	NA	0.11	NA	5.5
BH06A_7.25-7.35	26/04/2022	Sand	NA	NA	NA	NA	5.2	NA	9	NA	NA	NA	<116	NA	0.056	NA	3.3
BH06A_7-7.1	26/04/2022	Sand	NA	NA	NA	NA	5.1	NA	12	NA	NA	NA	<117	NA	0.007	NA	1.2
BH06A_6.75-6.85	26/04/2022	Sand	NA	NA	NA	NA	5.2	NA	9	NA	NA	NA	<118	NA	0.012	NA	1.3
BH06A_6.25-6.35	26/04/2022	Sand	6.2	5	1.2	NA	5.4	NA	7	NA	NA	NA	<119	NA	0.063	NA	3.5
BH06A_6-6.1	26/04/2022	Sand	NA	NA	NA	NA	5.1	NA	14	NA	NA	NA	<120	NA	0.017	NA	1.8
BH06A_5.5-5.6	26/04/2022	Sand	6.3	4.7	1.6	NA	5.1	NA	11	NA	NA	NA	<121	NA	0.026	NA	2.1
BH06A_5.25-5.35	26/04/2022	Sand	6.2	4.9	1.3	NA	5.4	NA	5	NA	NA	NA	<122	NA	0.013	NA	<1
BH06A_4.5-4.6	26/04/2022	Sand	6	5	1.0	NA	5.1	NA	13	NA	NA	NA	<123	NA	0.009	NA	1.4
BH06A_4-4.1	26/04/2022	Sand	6.2	4.8	1.4	NA	6.3	NA	<2	NA	NA	NA	<124	NA	<0.005	NA	<1
BH06A_3.75-3.85	26/04/2022	Sand	6.7	5.5	1.2	NA	5.9	NA	4	NA	NA	NA	<125	NA	<0.005	NA	<1
BH06A_3.25-3.35	26/04/2022	Sand	6.4	5.4	1.0	NA	5.9	NA	5	NA	NA	NA	<126	NA	<0.005	NA	<1
BH06A_2.75-2.85	26/04/2022	Peat	6	3.2	2.8	NA	4.5	NA	84	NA	NA	NA	<127	NA	0.008	NA	7.2
BH06A_2.5-2.6	26/04/2022	Peat	6.2	3.8	2.4	NA	4.3	NA	180	NA	NA	NA	<128	NA	0.046	NA	16
BH06A_2.25-2.35	26/04/2022	Peat	6.2	4.2	2.0	NA	4.1	NA	350	NA	NA	NA	<129	NA	0.071	NA	30
BH06A_2-2.1	26/04/2022	Peat	6.4	3.5	2.9	NA	4.1	NA	290	NA	NA	NA	<130	NA	0.062	NA	25
QA01 (duplicate pair of BH06A_0-0.1)	26/04/2022	Fill	NA	NA	NA	NA	6.9	NA	<2	NA	NA	NA	<131	NA	0.073	NA	<1
BH06A_0-0.1	26/04/2022	Fill	6.9	6.3	0.6	NA	8.2	NA	<2	NA	NA	NA	<132	NA	<0.005	NA	<1
BH05A_7.9-8	26/04/2022	Sand	6.6	4.5	2.1	NA	5	NA	11	NA	NA	NA	<133	NA	0.076	NA	4.4
BH05A_7.5-7.6	26/04/2022	Sand	6.8	5	1.8	NA	4.9	NA	17	NA	NA	NA	<134	NA	0.1	NA	6
Additional Site Investigation (EI, 2023)																	
TP402_1.9-2.0_ASSA	06/02/2023	Natural - CLAY	6.2	2.3	3.9	2	5.3	1.9	79	4678	4599	1.4	980	0.13	0.28	0.4	73
TP406_1.9-2.0_ASSA		Natural - CLAY	5.6	2.3	3.3	3	4.1	1.8	225	5638	5414	1.5	1200	0.36	0.13	0.55	92
TP410_1.9-2.0_ASSA		Natural - CLAY	5.6	2.6	3.0	3	4.3	2.6	95	299	205	0.2	230	0.15	0.021	0.19	17
TP412_1.9-2.0_ASSA		Natural - CLAY	5.5	2.6	2.9	2	4.2	1.8	259	4353	4094	1.9	1500	0.42	0.15	0.63	110
TP413_1.9-2.0_ASSA		Natural - CLAY	5.8	3.1	2.6	2	4.5	2.9	52	125	72	0.15	150	0.08	0.008	0.1	12
TP414_1.9-2.0_ASSA		Natural - CLAY	5.9	3.5	2.3	2	5.3	2	67	4678	4610	1.6	1000	0.11	0.14	0.25	78
TP417_1.9-2.0_ASSA		Natural - CLAY	5.5	2.8	2.7	2	4.2	2.1	187	1188	1000	0.53	530	0.3	0.038	0.36	40
TP419_1.9-2.0_ASSA		Natural - CLAY	5.7	3.4	2.2	1	4.8	1.9	130	3692	3563	1.6	1100	0.21	0.11	0.39	85
Statistical Analysis																	
Minimum			5	2.1	0.1	1	3.7	1.5	2	98	72	0.02	12	0.028	0.006	0.1	1
Maximum			9	6.3	5.1	3	10.9	8.4	970	8040	7710	3.38	2410	0.701	0.53	0.63	181
SILs																	
DAWR (2018) Action Criteria	Indicator of AASS		< 4 actual ASS are present														
			>4 but < 5.5 indicates acidic soil, but not confirmatory of actual ASS [1]														
	Indicator of PASS			< 3 and a strong reaction, indicates high probability of PASS. [1]													
				> 3 and ≤ 4, mild reaction requires lab analysis to confirm. [1]													
				> 4 and ≤ 5, and no reaction requires lab analysis to confirm. [1]													
				>5 and little or no drop in pH, sulfur trail in SPOCAS applies. [1]													
					> 1 indicates PASS [1]											
										>18 *	>18 *	≥ 0.03 *					

Notes:

(grey cell) No reference criteria available in current regulatory tools

* Indicates PASS where volume of fine textured soil disturbance is > 1,000 tonnes

[1] In the absence of DAWR 2018 criteria, the ASMAC 1998 criteria are applied

SPOCAS = Suspension Peroxide Oxidation Combined Activity and Sulfur

pH_{KCl} = Potassium chloride pH

pH_F = Field pH

pH_{FOX} = Peroxide oxidised pH

S_{Cr} = Chromium reducible sulfur

S_{POS} = Peroxide oxidisable sulfur

TAA = Titrable Actual Acidity

TPA = Titrable Peroxide Activity

TSA = Titrable Sulfidic Activity

Reaction Rate:

0 = No Reaction

1 = Slight Reaction

2 = Moderate Reaction

3 = Strong/High Reaction

4 = Extreme/Vigorous Reaction (gas evolution and heat generation)

Table C2a - Summary of Soil Analytical results - soils (EMM,2019)

Sample ID	Date of sampling	Material description	Sampling location	Heavy Metals										PAHs					BTEX						TRH	TRH	TRH				TRH (Silica gel)			Pestices		PCBs	Asbestos
				As	Cd	Cr(Total)	Cu	Pb	TCLP[3] Pb (mg/L)	Hg	TCLP Hg	Ni	Zn	Benzo(a)pyrene	TCLP[4] Benzo(a)pyrene (mg/L)	Carcinogenic PAHs as B(a)P	Naphthalene	Total PAHs	Benzene	Toluene	Ethylbenzene	o-Xylene	m/p-Xylene	Total Xylenes	C6-C9	C10-C36	F1	F2	F3	F4	F2	F3	F4	OCPs	OPPs	Total	Identification
Previous Investigation - soils (EMM,2019)																																					
BH01_0.1_191127	27/11/2019	Fill	Building footprint (HSL A/B / HIL B)	<5	<1	5	11	104	NA	0.1	NA	2	121	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH01_0.5_191127	27/11/2019	Fill	Building footprint (HSL A/B / HIL B)	<5	<1	6	26	128	0.2	0.8	NA	5	147	1.5	<0.5	2.5	<0.5	20.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	100	<10	<50	140	<100	NA	NA	NA	NA	NA	<0.1	NA
BH01_1.0_191127	27/11/2019	Natural	Building footprint (HSL A/B / HIL B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No
BH01_2.5_191127	27/11/2019	Natural	Building footprint (HSL A/B / HIL B)	<5	<1	7	5	<5	NA	<0.1	NA	5	7	<2.0	NA	4.8	<1	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	11700	<10	<110	11100	640	<110	5460	<110	NA	NA	<0.7	NA
BH02_0.1_191127	27/11/2019	Fill	Building footprint (HSL A/B / HIL B)	<5	<1	5	15	198	0.3	0.2	NA	3	301	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH02_0.5_191127	27/11/2019	Fill	Building footprint (HSL A/B / HIL B)	<5	<1	5	7	75	NA	0.2	NA	<2	118	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH02_1.5	29/11/2019	Natural	Building footprint (HSL A/B / HIL B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH02_2.5_191127	27/11/2019	Natural	Building footprint (HSL A/B / HIL B)	<5	<1	6	6	8	NA	0.2	NA	6	14	<2.0	NA	4.8	<1	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	8520	<10	<110	7950	680	<110	4320	<110	NA	NA	<0.7	NA
QC100_191127 (Duplicate of BH02_2.5_191127)	27/11/2019	Natural	Building footprint (HSL A/B / HIL B)	<5	<1	4	<5	<5	NA	<0.1	NA	<2	13	NA	NA	NA	<1	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	4550	<10	<110	4110	670	NA	NA	NA	NA	NA	NA	NA
BH03_0.5_191127	27/11/2019	Fill	Building footprint (HSL A/B / HIL B)	<5	<1	<2	<5	27	NA	<0.1	NA	<2	94	0.6	NA	1.3	<0.5	7.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH03_1.5_191127	27/11/2019	Natural	Building footprint (HSL A/B / HIL B)	<5	<1	10	14	68	NA	0.2	NA	9	77	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	NA
BH03_2.5_191127	27/11/2019	Natural	Building footprint (HSL A/B / HIL B)	<5	<1	10	8	<5	NA	0.1	NA	14	14	<2.0	NA	4.8	<1	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	2440	<10	<110	2180	370	NA	NA	NA	NA	NA	<0.7	NA
BH04_0.1_191127	27/11/2019	Fill	Building footprint (HSL A/B / HIL B)	<5	<1	4	20	140	0.3	0.2	NA	<2	146	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH04_0.5_191127	27/11/2019	Fill	Building footprint (HSL A/B / HIL B)	<5	<1	4	15	245	2	0.2	NA	<2	157	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH04_1.5_191127	27/11/2019	Natural	Building footprint (HSL A/B / HIL B)	<5	<1	11	10	68	NA	0.2	NA	10	30	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	190	<10	<50	180	160	NA	NA	NA	NA	NA	<0.1	NA
BH05_0.1_191127	27/11/2019	Fill	Building footprint (HSL A/B / HIL B)	<5	<1	9	33	610	0.6	0.5	NA	7	459	2.4	<0.5	3.5	<0.5	29.8	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	120	<10	<50	180	<100	NA	NA	NA	NA	NA	<0.1	No
BH05_0.9_191127	27/11/2019	Fill	Building footprint (HSL A/B / HIL B)	6	<1	12	12	292	<0.1	1.4	NA	6	50	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH05_1.2_191127	27/11/2019	Natural	Building footprint (HSL A/B / HIL B)	<5	<1	16	9	<5	NA	<0.1	NA	3	23	<2.0	NA	4.8	<1	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1380	<10	<110	1090	500	<110	<110	<110	NA	NA	<0.1	NA
BH06_0.1_191127	27/11/2019	Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	<5	<1	6	16	120	<0.1	0.2	NA	2	191	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	300	<10	<50	180	180	NA	NA	NA	NA	NA	<0.1	No
BH06_0.5_191127	27/11/2019	Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	<5	<1	5	11	154	0.2	0.3	NA	2	173	0.6	NA	1.3	<0.5	5.8	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH06_2.2_191127	27/11/2019	Natural	Landscape (HIL B/ HSL- A&B/EIL/ESL)	<5	<1	32	16	10	NA	0.3	NA	19	24	<2.0	NA	4.8	<1	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	4120	<10	<110	3430	840	<110	1510	<110	NA	NA	<0.1	NA
BH07_0.1_191127	27/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	6	16	131	<0.1	0.2	NA	2	241	0.5	NA	1.2	<0.5	3.3	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH07_0.9_191127	27/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	<2	<5	6	NA	<0.1	NA	<2	6	<0.5	NA	1.2	<0.5	1.8	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	NA
BH07_1.1_191127	27/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	<2	<5	17	NA	<0.1	NA	<2	16	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	NA
BH08_0.5_191127	27/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	8	32	300	0.3	0.4	NA	5	349	0.6	NA	1.3	<0.5	3.8	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH08_1.1_191127	27/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	5	<5	<5	NA	<0.1	NA	<2	<5	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH08_2.0_191127	27/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	6	6	<5	NA	<0.1	NA	10	8	<2.0	NA	4.8	<1	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	5180	<10	<110	4750	590	<110	980	<110	NA	NA	<0.7	NA
BH09_0.1_191127	27/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	6	17	139	0.1	0.2	NA	3	229	0.8	<0.5	1.5	<0.5	7.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	110	<10	<50	150	100	NA	NA	NA	NA	NA	<0.1	No
BH09_0.5_191127	27/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	5	11	102	NA	0.2	NA	2	141	0.8	<0.5	1.6	<0.5	8.1	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH09_1.0_191127	27/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	<2	<5	<5	NA	<0.1	NA	<2	231	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	120	<10	<50	120	<100	NA	NA	NA	NA	NA	<0.1	NA
QC101_191127 (Duplicate of BH09_0.1_191127)	27/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	6	15	145	NA	0.2	NA	2	200	NA	NA	NA	<1	NA	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	120	<100	NA	NA	NA	NA	NA	NA	NA
BH10_0.1_191128	28/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	9	16	145	<0.1	0.2	NA	4	254	0.9	<0.5	1.7	<0.5	9.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	100	<100	NA	NA	NA	NA	NA	<0.1	No
BH10_1.0_191128	28/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	18	25	119	NA	0.6	NA	20	88	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH10_2.5_191128	28/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	8	11	<5	NA	<0.1	NA	15	14	<2.0	NA	4.8	<1	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1780	<10	<110	1490	500	NA	NA	NA	NA	NA	<0.1	NA
BH12_0.1_191128	28/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	3	9	75	NA	0.2	NA	<2	119	0.9	<0.5	1.7	<0.5	8.7	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH12_1.5_191128	28/11/2019	Fill	Basement (HSL - D/HIL-B)	8	<1	6	6	948	NA	0.2	NA	5	572	<0.8	NA	1.9	<0.8	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	790	<10	<50	540	500	<50	<100	<100	NA	NA	<0.1	NA
BH12_2.5_191128	28/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	<2	<5	<5	NA	<0.1	NA	<2	<5	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	NA
BH13_0.3_191128	29/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	6	94	37	NA	<0.1	NA	9	59	1.2	<0.5	2.1	<0.5	12.3	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1450	<10	<50	950	1560	<50	280	450	NA	NA	<0.2	NA
BH13_0.5_191128	28/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	13	198	60	NA	<0.1	NA	24	99	5.9	<0.5	8.4	<0.5	70	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1820	<10	<50	1340	1280	<50	480	430	NA	NA	<0.2	No
BH13_1.5_191128	28/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	6	20	8	NA	<0.1	NA	4	10	<2.0	NA	4.8	<1	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	5230	<10	<110	4580	1040	<110	2100	<110	NA	NA	<0.1	NA
BH13_2.5_191128	28/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	16	15	14	NA	<0.1	NA	14	185	<2.0	NA	4.8	<1	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	6370	<10	<110	5890	540	<110	3840	<110	NA	NA	<0.1	NA
BH14_0.3_191128	28/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	7	139	228	0.4	0.3	NA	18	210	1.7	<0.5	2.7	<0.5	29.3	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1190	<10	<50	880	810	<50	330	380	NA	NA	<0.1	No
BH14_1.0_191128	28/11/2019	Fill	Basement (HSL - D/HIL-B)	9	3	17	142	543	0.1	0.6	NA	16	1570	1.9	NA	3	<0.5	22	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	490	<10	<50	370	280	<50	160	110	NA	NA	<0.1	No
BH14_3.0_191128	28/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	22	21	11	NA	<0.1	NA	10	20	<0.8	NA	1.9	<0.8	2.6	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	820	<10	<50	640	340	NA	NA	NA	NA	NA	<0.1	NA
BH15_0.2_181128	28/11/2019	Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	<5	<1	8	48	205	NA	0.5	NA	13	172	4.1	<0.5	5.8	<0.5	42.1	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	660	<10	<50	520	350	<50	190	180	NA	NA	<0.1	No
BH15_1.5_191128	28/11/2019	Natural	Landscape (HIL B/ HSL- A&B/EIL/ESL)	<5	<1	11	8	21	NA	0.1	NA	5	110	<2.0	NA	4.8	<1	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	6820	<10	<110	6080	820	<110	1680	<110	NA	NA	<0.1	NA
BH15_2.5_191128	28/11/2019	Natural	Landscape (HIL B/ HSL- A&B/EIL/ESL)	<5	<1	21	14	8	NA	<0.1	NA	14	5	<1.0	NA	2.4	<1.0	1.2	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1820	<10	<60	1220	1430	NA	NA	NA	NA	NA	<0.1	NA
BH16_0.1_191128	28/11/2019	Fill	Basement (Tank Excavation) (HSL - D/HIL-B)	<5	<1	3	16	93	NA	0.1	NA	<2	70	<0.5	NA	1.2	<0.5	3.1	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	140	<10	<50	120	170	NA	NA	NA	NA	NA	<0.1	No
BH16_0.9_191128	28/11/2019	Fill	Basement (Tank Excavation) (HSL - D/HIL-B)	<5	<1	10	30	534	NA	0.6	NA	7	252	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH16_1.7_191128	28/11/2019	Natural	Basement (Tank Excavation) (HSL - D/HIL-B)	<5	<1	3	<5	<5	NA	<0.1	NA	<2	135	<0.8	NA	1.9	<0.8	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	2650	<10	60	2050	1100	<50	640	370	NA	NA	<0.1	NA
BH17_0.1_191128	28/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	4	16	115	0.2	0.2	NA	2	152	2.6	<0.5	3.9	<0.5	29.9	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	110	<10	<50	160	<100	NA	NA	NA	NA	NA	<0.1	No
BH17_0.5_191128	28/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	<2	12	39	NA	0.1	NA	<2	96	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH17_2.5_191128	28/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	22	14	10	NA	<0.1	NA	9	9	<0.8	NA	1.9	<0.8	0.9	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1010	<10	<50	660	790	NA	NA	NA	NA	NA	<0.1	NA
BH18_0.1_191129	29/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	3	10	109	0.2	0.1	NA	<2	137	<0.5	NA	1.2	<0.5	1.6	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH18_0.5_191129	29/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	3	25	87	NA	0.5	NA	<2	53	1.6	<0.5	2.6	<0.5	19.1	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	No
BH18_2.8_191129	29/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	<2	<5	<5	NA	<0.1	NA	<2	<5	<0.5	NA	1.2	<0.5	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<50	<10	<50	<100	<100	NA	NA	NA	NA	NA	<0.1	NA
BH19_0.5_191129	29/11/2019	Fill	Building footprint (HSL A/B / HIL B)	<5	6	12	235	446	0.5	1.2	NA	20	576	3.7	<0.5	5.2	<0.5	37.1	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	530	<10	<50	450	160	<50	140	100	NA	NA	<0.1	Yes
BH19_1.5_191129	29/11/2019	Natural	Building footprint (HSL A/B / HIL B)	<5	<1	5	<5	<5	NA	<0.1	NA	3	7	<0.8	NA	1.9	<0.8	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1480	<10	<50	1110	820	<50	270	<100	NA	NA	<0.1	NA
BH19_2.5_191129	29/11/2019	Natural	Building footprint (HSL A/B / HIL B)	<5	<1	21	24	12	NA	<0.1	NA	13	12	<0.8	NA	1.9	<0.8	1.3	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	260	<10	<50	200	<100	NA	NA	NA	NA	NA	<0.1	NA
QC102_191129 (Duplicate of BH19_0.5_191129)	29/11/2019	Fill	Building footprint (HSL A/B / HIL B)	<5	3	9	121	438	NA	0.3	NA	12	310	NA	NA	NA	<1	NA	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	360	<10	<50	280	130	NA	NA	NA	NA	NA	NA	NA
MW11_0.5_191128	28/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	7	69	405	0.2	0.5	NA	5	475	0.7	<0.5	1.4	<1	6.8	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1140	<10	<50	970	280	<50	290	100	NA	NA	<0.1	No
MW11_3.5_191128	28/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	5	11	53	NA	<0.1	NA	2	69	3.8	<0.5	5.4	<0.5	48.8	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	770	<10	<50	700	100	NA	NA	NA	NA	NA	<0.1	NA
MW11_5.0_191128	28/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	3	8	41	NA	<0.1	NA	<2	48	<0.5	<0.5	1.2	<0.5	2.1	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1240	<10	<50	1080	280	NA	NA	NA	NA	NA	<0.1	NA
MW20_0.5_191129	29/11/2019	Fill	Building footprint (HSL A/B / HIL B)	<5	<1	17	128	1170	NA	0.8	NA	9	812	<0.5	NA	1.2	<0.5	1.4	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	240	103	<50	180	<100	NA	NA	NA	NA	NA	<0.1	Yes
MW20_1.8_191129	29/11/2019	Natural	Building footprint (HSL A/B / HIL B)	<5	<1	5	9	26	NA	<0.1	NA	5	35	<0.8	NA	1.9	<0.8	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1020	<10	<50	800	450	<50	<100	<100	NA	NA	<0.1	No
MW20_4.0_191129	29/11/2019	Natural	Building footprint (HSL A/B / HIL B)	<5	<1	15	27	118	<0.1	0.2	NA	10	85	<0.8	NA	1.9	<0.8	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	770	<10	<50	590	350	NA	NA	NA	NA	NA	<0.1	NA
MW21_0.3_191129	29/11/2019	Fill	Basement (HSL - D/HIL-B)	<5	<1	13	111	38	NA	0.1	NA	10	37	2.4	<0.5	3.5	<0.5	24.4	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1720	<10	<50	1280	1090	<50	510	330	NA	NA	<0.1	No
MW21_1.3_191129	29/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	4	<5	<5	NA	<0.1	NA	3	60	<2.0	NA	4.8	<1	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	6730	<10	<110	6040	1090	<60	1760	<100	NA	NA	<0.1	No
QC103_191129 (duplicate of MW21_1.3_191129)	29/11/2019	Natural	Basement (HSL - D/HIL-B)	<5	<1	6	6	10	NA	0.2	NA	4	43	NA	NA	NA	<1	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	9800	<10	<110	9020	1060	NA	NA	NA	NA	NA	NA	NA
MW21_4.4_191129	29/11/2019	Natural	Basement (HSL - D/HIL-B)	6	<1	16	16	6	NA	<0.1	NA	40	26	<1.0	NA	2.4	<1.0	<0.5	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<10	1120	<10	<60	810	640	NA	NA	NA	NA	NA	<0.1	NA
Statistical Analysis																																					
Maximum concentration				9	6	32	235	1170	2	1.4	NA	40	1570	5.9	NA	8.4	<PQL	70	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	11700	103	60	11100	1560	<PQL	5460	450	NA	NA	<PQL	Yes
SILs																																					
HIL B - Residential with minimal soil access *Table 1A(1)*				500	150	500 Cr(VI)	30,000	1,200		120		1,200	60,000			4		400																600		1	
HSL A&B High density residential Soil texture classification – Sand[1] *Table 1A(3)*			0 m to <1 m																0.5	160	55	40					45	110									
			1 m to <2 m																0.5	220	NL	60					70	240									
			2 m to <4 m																0.5	310	NL	95					110	440									
			4 m +																0.5	540	NL	170					200	NL									
HSL D Commercial / Industrial Soil texture classification – Sand[1] *Table 1A(3)*			0 m to <1 m																3	NL	NL	230					260	NL									
			1 m to <2 m																3	NL	NL	NL					370	NL									
			2 m to <4 m																3	NL	NL	NL					630	NL									
			4 m +																3	NL	NL	NL					NL	NL									
ESL/EIL - urban residential and public open space[2]				100		200	200	1100				130	490	33			170		50	85	70			105			180	120	300	2800				180 DDT	180		
Management Limits - Residential parkland and public open space, coarse grained soil texture[1] -*Table 1A(3)*																											700	1,000	2500	10,000							
Asbestos contamination HSL D All forms of asbestos on soil surface -*Table 7*																																					NVA
Asbestos contamination HSL B Bonded ACM (%w/w) -*Table 7*																																					0.04
Asbestos contamination HSL B Non Bonded / Friable Asbestos (%w/w) -*Table 7*																																					0.001

Notes: All results are recorded in mg/kg (unless otherwise stated).

- Highlighted values indicates concentration exceeds Human Health Based Soil Criteria
- Highlighted values indicates concentration exceeds ecological criteria
- Highlighted indicates the adopted criteria exceeded.
- Indicates no recommended assessment criteria are currently available or applicable.

SILs — Soil Investigation levels from Schedule B1 (table reference indicated) of the National Environmental Protection Measure 1999 - Amendment 2013.

HIL A — NEPC 2013 'HIL A' Health Based Investigation Levels applicable for residential with garden/ accessible soil (home grown produce <10% fruit and vegetable intake).

HIL B — NEPC 2013 'HIL B' Health Based Investigation Levels applicable for residential with minimal opportunities for soil access; includes dwellings with fully and permanently paved yard space such as high-rise buildings and apartments.

HSL A&B — NEPC 2013 'HSL A&B' Health Based Screening Levels applicable for vapour intrusion for low to high density residential in areas where residential occupation exists in the ground floor and there are no car parks under - Applicable to deep soil areas only.

NA — 'Not Analysed' i.e. the sample was not analysed or Not Applicable (for TCLPs)
NC — Not Calculated'
NL — 'Not Limiting' - The soil vapour limit exceeds the soil concentration at which the pore water phase cannot dissolve any more of the individual chemical.
ND — Not Detected
NVA — No Visible Asbestos

F1 — To obtain F1 subtract the sum of BTEX concentrations from the C6-C10 fraction.
F2 — To obtain F2 subtract Naphthalene from the >C10-C16 fraction.
F3 — (>C16-C34)
F4 — (>C34-C40)
1 — Coarse Grained soil values were applied, as the site soils were predominantly sand in nature.

eiaustralia

Table C2b- Summary of Soil Analytical results - soils (JBS&G, 2022) — **E25947.E03 - Redfern**

Sample ID	Date of sampling	Material description	Sampling location	Heavy Metals									PAHs					BTEX						TRH	TRH	TRH				TRH (Silica gel)			Pesticides		PCBs	Asbestos
				As	Cd	Cr(Total)	Cu	Pb	TCLP[3] Pb (mg/L)	Hg	TCLP Hg	Ni	Zn	Benzo(a)pyrene	TCLP[3] Benzo(a)pyrene (mg/L)	Carcinogenic PAHs as BaP	Naphthalene	Total PAHs	Benzene	Toluene	Ethylbenzene	o-Xylene	m/p-Xylene	Total Xylenes	C6-C9	C10-C36	F1	F2	F3	F4	F2	F3	F4	OCPs	OPPs	Total	Identification
Previous Investigation - soils (JBS&G, 2022)																																				
BH01A_0.3-0.4	26/04/2022	Fill	Building footprint (HSL A/B / HIL B)	2.8	<0.4	7.6	40	170	0.1	0.5	NA	<5	220	0.8	NA	1.4	<0.5	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH01A_1.1-1.2	26/04/2022	Fill	Building footprint (HSL A/B / HIL B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	<50	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
BH01A_1.6-1.7	26/04/2022	Peat	Building footprint (HSL A/B / HIL B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	702	<20	95	560	170	<250	<500	<500	NA	NA	NA	NA
BH01A_2.4-2.5	26/04/2022	Peat	Building footprint (HSL A/B / HIL B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	<50	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
BH02A_0.9-1.0	26/04/2022	Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	2.4	0.6	18	23	420	0.87	0.4	NA	<5	360	1.5	NA	2.4	<0.5	16	NA	NA	NA	NA	NA	NA	NA	<20	83	<20	<50	130	<100	NA	NA	NA	NA	NA	NA	NA
BH02A_1.2-1.3	26/04/2022	Peat	Landscape (HIL B/ HSL- A&B/EIL/ESL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	<100	<20	<100	<200	<200	NA	NA	NA	NA	NA	NA	NA
BH02A_1.5-1.6	26/04/2022	Peat	Landscape (HIL B/ HSL- A&B/EIL/ESL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	<100	<20	<100	<200	<200	NA	NA	NA	NA	NA	NA	NA
BH02A_2.2-2.3	26/04/2022	Peat	Landscape (HIL B/ HSL- A&B/EIL/ESL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	170	<20	<50	180	<100	NA	NA	NA	NA	NA	NA	NA
BH03A_0.3-0.4	26/04/2022	Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	2.5	0.5	5.9	33	220	0.1	0.2	NA	<5	230	1.8	NA	2.6	<0.5	22	NA	NA	NA	NA	NA	NA	NA	<20	<50	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
BH03A_1.0-1.1	26/04/2022	Peat	Landscape (HIL B/ HSL- A&B/EIL/ESL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	59	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
BH03A_2.3-2.4	26/04/2022	Sand	Landscape (HIL B/ HSL- A&B/EIL/ESL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	<50	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
BH03A_2.9-3.0	26/04/2022	Peat	Landscape (HIL B/ HSL- A&B/EIL/ESL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	5890	<20	110	5500	340	<250	<1000	<500	NA	NA	NA	NA
BH03A_3.4-3.5	26/04/2022	Peat	Landscape (HIL B/ HSL- A&B/EIL/ESL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	<50	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
BH04A_1.25-1.35	26/04/2022	Fill	Basement (HSL - D/HIL-B)	<2	<0.4	490	5.1	<5	NA	<0.1	NA	230	9	<0.5	NA	0.6	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH04A_1.75-1.85	26/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	2432	<20	51	2400	290	<50	510	<100	NA	NA	NA	NA
BH04A_2.75-2.85	26/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	<50	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
BH04A_3-3.1	26/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	<50	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
BH05A_1.5-1.6	26/04/2022	Fill	Basement (HSL - D/HIL-B)	<2	<0.4	<5	<5	9	NA	<0.1	NA	<5	8	<0.5	NA	0.6	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH05A_2.5-2.6	26/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	1730	<20	<50	1700	210	<250	<500	<500	NA	NA	NA	NA
BH05A_3-3.1	26/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	<50	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
BH05A_3.5-3.6	26/04/2022	Sand	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	75	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
BH06A_0-0.1	26/04/2022	Fill	Basement (HSL - D/HIL-B)	<2	<0.4	6.5	15	140	NA	0.2	NA	<5	210	1	NA	1.6	<0.5	10	NA	NA	NA	NA	NA	NA	NA	<20	61	<20	<50	110	<100	NA	NA	NA	NA	NA	NA	NA
QA01 (duplicate pair of BH06A_0-0.1)	26/04/2022	Fill	Basement (HSL - D/HIL-B)	2.1	<0.4	<5	<5	9.1	NA	<0.1	NA	<5	5.1	<0.5	NA	0.6	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
QC01 (triplicate pair of BH06A_0-0.1)	26/04/2022	Fill	Basement (HSL - D/HIL-B)	4	<0.4	7	19	140	NA	0.2	NA	3	190	2.4	NA	3.3	0.1	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH06A_1.75-1.85	26/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	120	<20	<50	140	<100	NA	NA	NA	NA	NA	NA	NA
BH06A_2.25-2.35	26/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	626	<20	<50	570	200	<250	<500	<500	NA	NA	NA	NA
BH06A_2.5-2.6	26/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH06A_2.75-2.85	26/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	3920	<20	140	3900	430	<50	<100	<100	NA	NA	NA	NA
TP01_0.0-0.1	28/04/2022	Fill	Building footprint (HSL A/B / HIL B)	2.3	<0.4	5	13	170	NA	0.2	NA	<5	140	<0.5	NA	0.6	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP01_1.25-1.35	28/04/2022	Fill	Building footprint (HSL A/B / HIL B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	<50	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
TP01_1.75-1.85	28/04/2022	Peat	Building footprint (HSL A/B / HIL B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	403	<20	<50	300	230	NA	NA	NA	NA	NA	NA	NA
TP01_2.25-2.35	28/04/2022	Peat	Building footprint (HSL A/B / HIL B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	504	<20	<50	420	160	NA	NA	NA	NA	NA	NA	NA
TP01_2.75-2.85	28/04/2022	Peat	Building footprint (HSL A/B / HIL B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	1790	<20	53	1400	300	NA	NA	NA	NA	NA	NA	NA
TP01_3.25-3.35	28/04/2022	Sand	Building footprint (HSL A/B / HIL B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	<50	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
TP02_1.75-1.85	28/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	4100	<20	<100	3700	<200	NA	NA	NA	NA	NA	NA	NA
QA04 (duplicate pair of TP02_1.75-1.85)	28/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	6170	<20	<100	5000	<200	NA	NA	NA	NA	NA	NA	NA
QC04 (triplicate pair of TP02_1.75-1.85)	28/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<25	310	NA	NA	200	160	NA	NA	NA	NA	NA	NA	NA
TP02_2.0-2.1	28/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	6920	<20	<100	5800	<200	NA	NA	NA	NA	NA	NA	NA
TP02_2.5-2.6	28/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	3200	<20	<100	2900	<200	NA	NA	NA	NA	NA	NA	NA
TP02_3.0-3.1	28/04/2022	Peat	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	91	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
TP02_3.4-3.5	28/04/2022	Sand	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	<20	<50	<20	<50	<100	<100	NA	NA	NA	NA	NA	NA	NA
BH01A_0.0-0.6	26/04/2022	Fill	Building footprint (HSL A/B / HIL B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No
BH02A_0.5-1.0	26/04/2022	Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No
BH03A_0.0-0.5	26/04/2022	Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No
BH04A_1-1.7	26/04/2022	Fill	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No
BH05A_0-1	26/04/2022	Fill	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No
BH06A_0-1	26/04/2022	Fill	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No
QA03 (duplicate pair of BH06A_0-1)	26/04/2022	Fill	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No
QC03 (triplicate pair of BH06A_0-1)	26/04/2022	Fill	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No
TP01_0.0-0.6	28/04/2022	Fill	Building footprint (HSL A/B / HIL B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No
TP02_0.9-1.6	28/04/2022	Fill	Basement (HSL - D/HIL-B)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No
Statistical Analysis																																				
Maximum concentration				4	0.6	490	40	420	0.87	0.5	NA	230	360	2.4	NA	3.3	0.1	22	NA	NA	NA	NA	NA	NA	<POL	6920	<POL	140	5800	430	<POL	510	<POL	NA	NA	NA	<POL
SILs																																				
HIL B - Residential with minimal soil access *Table 1A(1)*				500	150	500 Cr(VI)	30,000	1,200		120		1,200	60,000			4		400																600		1	
HSL A&B High density residential Soil texture classification – Sand [1] *Table 1A(3)*	0 m to <1 m																		0.5	160	55	40							45	110							
	1 m to <2 m																		0.5	220	NL	60							70	240							
	2 m to <4 m																		0.5	310	NL	95							110	440							
	4 m +																		0.5	540	NL	170							200	NL							
HSL D Commercial / Industrial Soil texture classification – Sand [1] *Table 1A(3)*	0 m to <1 m																		3	NL	NL	230							260	NL							
	1 m to <2 m																		3	NL	NL	NL							370	NL							
	2 m to <4 m																		3	NL	NL	NL							630	NL							
	4 m +																		3	NL	NL	NL							NL	NL							
ESL/EIL - urban residential and public open space [2]				100		200	200	1,100				130	490	33			170		50	85	70		105			180	120	300	2800				180 DDT	180			
Management Limits - Residential parkland and public open space, coarse grained soil texture [1] *-Table 1A(3)*																										700	1,000	2500	10,000							
Asbestos contamination HSL D All forms of asbestos on soil surface *-Table 7*																																				NVA
Asbestos contamination HSL B Bonded ACM (%w/w) *-Table 7*																																				0.04
Asbestos contamination HSL B Non Bonded / Friable Asbestos (%w/w) *-Table 7*																																				0.001

Notes: All results are recorded in mg/kg (unless otherwise stated).

Highlighted values indicate exceedance of Human Health Based Soil Criteria.
Highlighted values indicate exceedance of ecological criteria.
Highlighted indicates the adopted criteria exceeded.
Indicates no recommended assessment criteria are currently available or applicable.

SILs — Soil Investigation levels from Schedule B1 (table reference indicated) of the National Environmental Protection Measure 1999 - Amendment 2013.
HIL A — NEPC 2013 'HIL A' Health Based Investigation Levels applicable for residential with garden/ accessible soil (home grown produce <10% fruit and vegetable intake).
HIL B — NEPC 2013 'HIL B' Health Based Investigation Levels applicable for residential with minimal opportunities for soil access; includes dwellings with fully and permanently paved yard space such as high-rise buildings and apartments.
HSL A&B — NEPC 2013 'HSL A&B' Health Based Screening Levels applicable for vapour intrusion for low to high density residential in areas where residential occupation exists in the ground floor and there are no car parks under - Applicable to deep soil areas only.

NA — 'Not Analysed' i.e. the sample was not analysed or Not Applicable (for TCLPs)
NC — Not Calculated
NL — 'Not Limiting' - The soil vapour limit exceeds the soil concentration at which the pore water phase cannot dissolve any more of the individual chemical.
ND — Not Detected
NVA — No Visible Asbestos

F1 — To obtain F1 subtract the sum of BTEX concentrations from the C6-C10 fraction.
F2 — To obtain F2 subtract Naphthalene from the >C10-C16 fraction.
F3 — (>C16-C34)
F4 — (>C34-C40)
1 — Coarse Grained soil values were applied, as the site soils were predominantly sand in nature.

eiaustralia

Table C2c - Summary of Soil Analytical results

E25947.E06 - Redfern

Sample ID	Date of sampling	Material description	Sampling location	Heavy Metals: As	Cd	Cr	Cu	Pb	TCLP[3] Pb (mg/L)	Hg	TCLP Hg	Ni	Zn	PAHs: Benzo(a)pyrene	TCLP[3] Benzo(a)pyrene (mg/L)	Carcinogenic PAHs as B(a)P	Naphthalene	Total PAHs	BTEX: Benzene	Toluene	Ethylbenzene	o-Xylene	m/p-Xylene	Total Xylenes	TRH: F1	F2	F3	F4	TRH (Silica gel): F2	F3	F4	Pestices: OCPs	OPPs	PCBs: Total	Asbestos: Identification
Additional Investigation - soils (EI,2023)																																			
TP401_0.1-0.2		Fill	Building footprint (HSL A/B / HIL B)	4	0.5	5.4	23	210	NA	0.25	NA	2.9	170	0.6	NA	0.9	<0.1	6.4	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	170	<120	NA	NA	NA	<1	<1.7	<1	No
TP401_0.5-0.6		Fill	Building footprint (HSL A/B / HIL B)	3	<0.3	2.6	7.1	230	0.54	0.4	NA	1.2	210	1	NA	1.5	<0.1	9.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	120	<120	NA	NA	NA	<1	<1.7	<1	No
TP401_1.0-1.1		Fill	Building footprint (HSL A/B / HIL B)	3	<0.3	10	21	42	NA	<0.05	NA	15	30	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP402_0.1-0.2		Fill	Building footprint (HSL A/B / HIL B)	2	<0.3	4.4	21	140	NA	0.26	NA	2	180	0.2	NA	0.4	<0.1	1.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP402_0.5-0.6		Fill	Building footprint (HSL A/B / HIL B)	2	<0.3	2.7	13	130	NA	0.47	NA	1.7	240	0.2	NA	0.4	<0.1	2.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP402_1.0-1.1		Fill	Building footprint (HSL A/B / HIL B)	2	<0.3	5.6	9	44	NA	0.19	NA	7.5	47	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP403_0.1-0.2		Fill	Building footprint (HSL A/B / HIL B)	3	0.4	4	22	270	0.17	1.7	NA	2.5	300	0.4	NA	0.6	<0.1	3.4	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	91	<120	NA	NA	NA	<1	<1.7	<1	No
TP403_0.5-0.6		Fill	Building footprint (HSL A/B / HIL B)	1	<0.3	1.1	6.6	31	NA	0.1	NA	0.7	200	1.7	NA	2.6	<0.1	20	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	210	<120	NA	NA	NA	<1	<1.7	<1	No
TP403_1.0-1.1		Fill	Building footprint (HSL A/B / HIL B)	9	<0.3	5.9	6.5	21	NA	0.15	NA	7.6	730	<0.3	NA	<0.9	<0.3	<2.4	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	33	660	<360	NA	NA	NA	<3	<5.1	<3	No
TP404_0.1-0.2		Fill	Building footprint (HSL A/B / HIL B)	2	<0.3	3	24	150	NA	0.22	NA	1.7	160	0.3	NA	0.5	<0.1	2.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	140	<120	NA	NA	NA	<1	<1.7	<1	No
TP404_0.5-0.6		Fill	Building footprint (HSL A/B / HIL B)	1	<0.3	1.1	3.5	72	NA	<0.05	NA	<0.5	44	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP404_1.0-1.1		Fill	Building footprint (HSL A/B / HIL B)	1	<0.3	1.7	4.8	150	NA	<0.05	NA	0.8	88	0.2	NA	0.3	<0.1	1.4	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP405_0.1-0.2		Fill	Building footprint (HSL A/B / HIL B)	3	0.5	5.4	25	210	NA	0.48	NA	3.4	240	2.8	<0.1	4.1	0.2	31	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	240	<120	NA	NA	NA	<1	<1.7	<1	No
TP405_0.5-0.6		Fill	Building footprint (HSL A/B / HIL B)	6	<0.3	3.3	34	170	NA	0.28	NA	4.8	100	0.4	NA	0.7	<0.1	4.4	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	110	<120	NA	NA	NA	<1	<1.7	<1	No
TP405_1.0-1.1		Fill	Building footprint (HSL A/B / HIL B)	4	<0.3	4.7	6.3	23	NA	0.06	NA	3.1	110	<0.5	NA	<1.5	<0.5	<4	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	76	2200	4100	NA	NA	NA	<5	<8.5	<5	No
TP406_0.1-0.2		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	2	<0.3	8.6	23	240	NA	0.26	NA	2.7	160	1.2	NA	1.7	<0.1	14	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	140	<120	NA	NA	NA	<1	<1.7	<1	No
TP406_0.5-0.6		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	<1	<0.3	<0.5	1	3	NA	<0.05	NA	<0.5	170	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP406_1.0-1.1		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	3	<0.3	5.3	9.7	80	NA	0.16	NA	9.6	33	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP407_0.1-0.2		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	2	0.5	6.6	24	450	1	0.53	NA	2.7	390	0.6	<0.1	0.9	<0.1	7.3	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	110	<120	NA	NA	NA	<1	<1.7	<1	No
TP407_0.5-0.6		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	5	<0.3	11	27	280	NA	1.6	NA	9.7	130	0.3	NA	0.5	<0.1	4.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP407_1.0-1.1		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	9	<0.3	3.4	3.9	33	NA	0.08	NA	2.6	34	<0.5	NA	<1.5	<0.5	<4	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<450	<600	NA	NA	NA	<5	<8.5	<5	No
TP408_0.1-0.2		Fill	Basement (HSL - D/HIL-B)	4	0.4	12	49	210	0.07	0.34	NA	4	180	2.8	NA	4.2	<0.1	33	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	280	<120	NA	NA	NA	<1	<1.7	<1	No
TP408_0.5-0.6		Fill	Basement (HSL - D/HIL-B)	2	<0.3	2	7.6	17	NA	0.1	NA	1.8	47	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP408_1.0-1.1		Fill	Basement (HSL - D/HIL-B)	6	<0.3	6.3	40	38	NA	0.52	NA	7.9	280	<0.4	NA	<1.2	<0.4	<3.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	30	430	<480	NA	NA	NA	<5	<6.8	<5	No
TP409_0.1-0.2		Fill	Basement (HSL - D/HIL-B)	2	<0.3	5.2	15	110	NA	0.21	NA	2.1	210	0.8	NA	1.2	<0.1	8.4	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	210	<120	NA	NA	NA	2	<1.7	<1	No
TP409_0.5-0.6		Fill	Basement (HSL - D/HIL-B)	2	<0.3	3.2	7.4	100	NA	0.41	NA	1.2	200	2.4	<0.1	3.6	0.1	37	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	170	<120	NA	NA	NA	6	<1.7	<1	No
TP409_1.0-1.1		Fill	Basement (HSL - D/HIL-B)	<1	<0.3	<0.5	<0.5	1	NA	<0.05	NA	<0.5	<2	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP410_0.1-0.2		Fill	Basement (HSL - D/HIL-B)	6	0.4	12	29	190	NA	0.2	NA	8.7	340	0.6	NA	0.9	<0.1	6.7	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	130	<120	NA	NA	NA	<1	<1.7	<1	No
TP410_0.5-0.6		Fill	Basement (HSL - D/HIL-B)	1	<0.3	2.1	11	110	NA	0.13	NA	1.2	170	0.2	NA	0.3	<0.1	1.6	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP410_1.0-1.1		Fill	Basement (HSL - D/HIL-B)	3	<0.3	6.8	31	110	NA	0.22	NA	5	160	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	45	860	280	NA	NA	NA	<1	<1.7	<1	No
TP411_0.1-0.2		Fill	Basement (HSL - D/HIL-B)	2	0.3	3.6	17	110	NA	0.21	NA	1.8	120	0.7	NA	1	<0.1	7	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	170	<120	NA	NA	NA	<1	<1.7	<1	No
TP411_0.5-0.6		Fill	Basement (HSL - D/HIL-B)	2	<0.3	3.3	13	72	NA	0.11	NA	1.7	110	0.3	NA	0.5	<0.1	3	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP411_1.0-1.1		Fill	Basement (HSL - D/HIL-B)	3	<0.3	9.7	6.2	25	NA	0.14	NA	6.4	23	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	91	<120	NA	NA	NA	<1	<1.7	<1	No
TP412_0.1-0.2		Fill	Basement (HSL - D/HIL-B)	2	<0.3	8.3	13	110	NA	0.15	NA	2.2	220	0.5	NA	0.8	<0.1	6.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	140	<120	NA	NA	NA	3	<1.7	<1	No
TP412_0.5-0.6		Fill	Basement (HSL - D/HIL-B)	2	<0.3	2.8	6.3	59	NA	0.07	NA	1	90	0.3	NA	0.5	<0.1	3.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP412_1.0-1.1		Fill	Basement (HSL - D/HIL-B)	3	<0.3	8.4	21	130	NA	0.38	NA	6.9	190	0.5	NA	0.8	<0.1	6	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	150	<120	NA	NA	NA	1	<1.7	<1	No
TP413_0.1-0.2		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	2	0.5	4.3	22	120	NA	0.18	NA	2.9	89	0.6	NA	0.9	<0.1	6.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	150	<120	NA	NA	NA	<1	<1.7	<1	No
TP413_0.5-0.6		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	<1	<0.3	0.7	8	14	NA	0.08	NA	1.2	130	0.6	NA	0.9	0.1	8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	96	<120	NA	NA	NA	<1	<1.7	<1	No
TP413_1.0-1.1		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	5	<0.3	6	12	8	NA	0.1	NA	5.9	95	<0.2	NA	<0.6	<0.2	<1.6	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	67	1300	540	NA	NA	NA	<1	<3.4	<1	No
TP414_0.1-0.2		Fill	Basement (HSL - D/HIL-B)	2	<0.3	2.7	10	110	NA	0.25	NA	1.3	150	0.3	NA	0.5	<0.1	3	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	160	<120	NA	NA	NA	<1	<1.7	<1	yes Chrysotile asbestos found in approx 4x3x2mm cement sheet fragment.
TP414_0.5-0.6		Fill	Basement (HSL - D/HIL-B)	2	<0.3	2.8	7.2	81	NA	0.09	NA	1.1	110	5	<0.1	7.5	0.1	66	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	350	<120	NA	NA	NA	<1	<1.7	<1	No
TP414_1.0-1.1		Fill	Basement (HSL - D/HIL-B)	1	<0.3	1.7	12	39	NA	0.35	NA	1	110	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP415_0.1-0.2		Fill	Basement (HSL - D/HIL-B)	2	<0.3	3.5	12	110	NA	0.16	NA	1.7	170	0.2	NA	0.4	<0.1	2.4	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP415_0.5-0.6		Fill	Basement (HSL - D/HIL-B)	3	<0.3	3	22	77	NA	0.9	NA	0.8	100	0.2	NA	0.4	<0.1	3.3	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP415_1.0-1.1		Fill	Basement (HSL - D/HIL-B)	<1	<0.3	0.5	7.5	1	NA	<0.05	NA	<0.5	26	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	100	<120	NA	NA	NA	<1	<1.7	<1	No
TP416_0.1-0.2	6-8/02/2023	Fill	Basement (HSL - D/HIL-B)	2	0.7	3.9	13	230	NA	0.19	NA	2	160	1	NA	1.5	<0.1	10	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	150	<120	NA	NA	NA	<1	<1.7	<1	No
TP416_0.5-0.6		Fill	Basement (HSL - D/HIL-B)	2	0.7	2.4	7.3	71	NA	0.08	NA	1.1	95	1.9	NA	2.8	<0.1	20	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	130	<120	NA	NA	NA	<1	<1.7	<1	No
TP416_1.0-1.1		Fill	Basement (HSL - D/HIL-B)	1	<0.3	0.9	4.7	9	NA	<0.05	NA	0.6	60	0.2	NA	0.3	<0.1	1.4	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP417_0.1-0.2		Fill	Basement (HSL - D/HIL-B)	2	<0.3	5.6	15	150	NA	0.2	NA	2.2	120	1.5	NA	2.2	<0.1	15	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	190	<120	NA	NA	NA	<1	<1.7	<1	No
TP417_0.5-0.6		Fill	Basement (HSL - D/HIL-B)	4	0.4	5.2	16	730	6.5	0.31	NA	1.8	440	1	NA	1.4	<0.1	10	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP417_1.0-1.1		Fill	Basement (HSL - D/HIL-B)	<1	<0.3	1.5	2.6	40	NA	0.11	NA	0.6	45	0.2	NA	0.4	<0.1	1.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP418_0.1-0.2		Fill	Basement (HSL - D/HIL-B)	6	<0.3	9.4	13	96	NA	0.15	NA	3.5	120	0.5	NA	0.7	<0.1	4.6	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	150	<120	NA	NA	NA	1	<1.7	<1	No
TP418_0.5-0.6		Fill	Basement (HSL - D/HIL-B)	2	<0.3	2.5	6.7	42	NA	0.25	NA	1.4	64	0.1	NA	<0.3	<0.1	0.9	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP418_1.0-1.1		Fill	Basement (HSL - D/HIL-B)	1	<0.3	2.4	4.5	9	NA	0.08	NA	1.7	19	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	53	700	320	NA	NA	NA	<1	<1.7	<1	No
TP419_0.1-0.2		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	1	<0.3	2.1	8.8	110	NA	0.15	NA	1.4	50	0.6	NA	0.9	<0.1	6	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	93	<120	NA	NA	NA	<1	<1.7	<1	No
TP419_0.5-0.6		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	2	<0.3	2.6	9.3	97	NA	0.15	NA	1.4	190	1.1	NA	1.7	<0.1	13	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	110	<120	NA	NA	NA	<1	<1.7	<1	No
TP419_1.0-1.1		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	<1	<0.3	<0.5	1.9	14	NA	<0.05	NA	<0.5	40	0.3	NA	0.5	<0.1	3.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
BH501M_0.3-0.45		Fill	Basement (HSL - D/HIL-B)	4	0.3	6.9	220	79	NA	0.16	NA	19	75	4.6	<0.1	6.9	0.2	49	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	71	1800	980	NA	NA	NA	<1	<1.7	<1	No
BH501M_1.0-1.1		Fill	Basement (HSL - D/HIL-B)	3	<0.3	9.7	28	78	NA	0.09	NA	7.3	87	2.6	NA	3.9	<0.1	26	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	26	990	600	NA	NA	NA	<1	<1.7	<1	No
BH501M_1.5-1.6		Fill	Basement (HSL - D/HIL-B)	3	<0.3	5.4	52	73	NA	0.19	NA	7.3	93	1.3	NA	1.9	<0.4	14	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	40	1200	270	NA	NA	NA	<4	<6.8	<4	No
BH502M_0.4-0.6		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	4	0.4	10	59	320	0.07	9.6	0.1	5.9	230	11	<0.1	17	0.4	110	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	34	760	160	NA	NA	NA	<1	<1.7	<1	No
BH502M_1.0-1.1		Fill	Landscape (HIL B/ HSL- A&B/EIL/ESL)	2	<0.3	6.9	25	74	NA	1.2	NA	4	210	2.4	NA	3.6	0.1	28	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	210	<120	NA	NA	NA	<1	<1.7	<1	No
BH503_0.4-0.5		Fill	Basement (Tank excavation area) (HSL - D/HIL-B)	6	2.4	14	340	870	0.68	0.72	NA	14	800	0.7	NA	1	0.2	9.3	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	37	750	280	NA	NA	NA	<1	<1.7	<1	No
BH503_0.9-1.0		Fill	Basement (Tank excavation area) (HSL - D/HIL-B)	4	2.5	12	190	470	0.47	0.3	NA	13	380	0.2	NA	0.4	<0.1	2.4	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	470	230	NA	NA	NA	<1	<1.7	<1	yes Chrysotile asbestos found in approx 10x3x2mm bituminous material.
BH503M_1.5-1.6		Fill	Basement (Tank excavation area) (HSL - D/HIL-B)	3	<0.3	5.8	18	71	NA	0.26	NA	7.7	570	0.4	NA	0.7	0.7	9.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<25	<25	190	<120	NA	NA	NA	<1	<1.7	<1	yes Chrysotile asbestos found in approx 10x6x3mm bituminous material.
TP401_1.9-2.0		Natural	Building footprint (HSL A/B / HIL B)	3	<0.3	9.4	11	4	NA	<0.05	NA	16	16	<0.5	NA	<1.5	<0.5	<4	<0.5	<0.5	<0.5	<0.5	16	<1.5	<125	50	2400	<720	NA	NA	NA	<1	<8.5	<5	No
TP402_1.9-2.0		Natural	Building footprint (HSL A/B / HIL B)	5	<0.3	4.8	1	8	NA	0.05	NA	3.6	3.6	<0.5	NA	<1.5	<0.5	<4	<0.5	<0.5	<0.5	<0.5	3.6	<1.5	<125	34	990	<840	NA	NA	NA	<1	<8.5	<5	No
TP403_1.9-2.0		Natural	Building footprint (HSL A/B / HIL B)	3	<0.3	17	20	7	NA	<0.05	NA	13	13	<0.3	NA	<0.9	<0.3	<2.4	<0.2	<0.2	<0.2	<0.2	13	<0.6	<50	<25	<360	<480	NA	NA	NA	<3	<5.1	<3	No
TP404_1.9-2.0		Natural	Building footprint (HSL A/B / HIL B)	2	<0.3	5.9	2.1	8	NA	<0.05	NA	3.4	3.4	<0.5	NA	<1.5	<0.5	<4	<0.5	<0.5	<0.5	<0.5	3.4	<1.5	<125	44	6300	<720	<25	5100	<600	<5	<8.5	<5	No
TP405_1.9-2.0		Natural	Building footprint (HSL A/B / HIL B)	1	<0.3	6	1.9	2	NA	<0.05	NA	5	5	<0.5	NA	<1.5	<0.5	<4	<0.5	<0.5	<0.5	<0.5	5	<1.5	<125	73	6400	<840	<25	4600	<840	<5	<8.5	<5	No
TP406_1.9-2.0		Natural	Landscape (HIL B/ HSL- A&B/EIL/ESL)	2	<0.3	5.9	2.1	2	NA	<0.05	NA	4.5	4.5	<0.5	NA	<1.5	<0.5	<4	<0.5	<0.5	<0.5	<0.5	4.5	<1.5	<125	56	7000	<720	<25	5600	<720	<5	<8.5	<5	No
TP407_1.9-2.0		Natural	Landscape (HIL B/ HSL- A&B/EIL/ESL)	3	<0.3	5.8	3.7	2	NA	<0.05	NA	8.2	8.2	<0.5	NA	<1.5	<0.5	<4	<0.5	<0.5	<0.5	<0.5	8.2	<1.5	<125	65	3800	<840	NA	NA	NA	<5	<8.5	<5	No
TP408_1.9-2.0		Natural	Basement (HSL - D/HIL-B)	3	<0.3	14	14	4	NA	<0.05	NA	18	18	<0.5	NA	<1.5	<0.5	<4	<0.5	<0.5	<0.5	<0.5	18	<1.5	<125	52	1400	<600	NA	NA	NA	<5	<8.5	<5	No
TP409_1.9-2.0		Natural	Basement (HSL - D/HIL-B)	2	<0.3	5.8	2.5	8	NA	<0.05	NA	3.9	3.9	<0.5	NA	<1.5	<0.5	<4	<0.5	<0.5	<0.5	<0.5	3.9	<1.5	<125	56	6500	<720	60	5500	<720	<5	<8.5	<5	No
TP410_1.9-2.0		Natural	Basement (HSL - D/HIL-B)	3	<0.3	20	18	11	NA	<0.05	NA	4.7	4.7	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	4.7	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP411_1.9-2.0		Natural	Basement (HSL - D/HIL-B)	2	<0.3	19	18	11	NA	<0.05	NA	4.2	4.2	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	4.2	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP412_1.9-2.0		Natural	Basement (HSL - D/HIL-B)	3	<0.3	3.2	<0.5	<1	NA	<0.05	NA	1.8	1.8	<0.5	NA	<1.5	<0.5	<4	<0.5	<0.5	<0.5	<0.5	1.8	<1.5	<125	210	3500	<720	NA	NA	NA	<5	<8.5	<5	No
TP413_1.9-2.0		Natural	Landscape (HIL B/ HSL- A&B/EIL/ESL)	3	<0.3	17	9.4	9	NA	<0.05	NA	3.1	3.1	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	3.1	<0.3	<25	<25	110	<120	NA	NA	NA	<1	<1.7	<1	No
TP414_1.9-2.0		Natural	Basement (HSL - D/HIL-B)	2	<0.3	4.4	<0.5	2	NA	<0.05	NA	2.8	2.8	<0.5	NA	<1.5	<0.5	4.4	<0.5	<0.5	<0.5	<0.5	2.8	<1.5	<125	200	4800	<840	NA	NA	NA	<5	<8.5	<5	No
TP415_1.9-2.0		Natural	Basement (HSL - D/HIL-B)	3	<0.3	6.6	4.4	3	NA	<0.05	NA	9.3	9.3	<0.5	NA	<1.5	<0.5	<4	<0.5	<0.5	<0.5	<0.5	9.3	<1.5	<125	64	7000	<720	<25	5600	<720	<5	<8.5	<5	No
TP416_1.9-2.0		Natural	Basement (HSL - D/HIL-B)	3	<0.3	9.2	9.3	5	NA	<0.05	NA	13	13	<0.5	NA	<1.5	<0.5	<4	<0.5	<0.5	<0.5	<0.5	13	<1.5	<125	66	2900	<720	NA	NA	NA	<5	<8.5	<5	No
TP417_1.9-2.0		Natural	Basement (HSL - D/HIL-B)	3	<0.3	28	31	16	NA	0.06	NA	10	10	<0.2	NA	<0.6	<0.2	<1.6	<0.2	<0.2	<0.2	<0.2	10	<0.6	<50	81	270	<360	NA	NA	NA	<1	<3.4	<1	No
TP418_1.9-2.0		Natural	Basement (HSL - D/HIL-B)	2	<0.3	21	14	12	NA	<0.05	NA	2.7	2.7	<0.1	NA	<0.3	<0.1	<0.8	<0.1	<0.1	<0.1	<0.1	2.7	<0.3	<25	<25	<90	<120	NA	NA	NA	<1	<1.7	<1	No
TP419_1.9-2.0		Natural	Landscape (HIL B/ HSL- A&B/EIL/ESL)	2	<0.3	5.4	<0.5	8	NA	0.05	NA	2.9	2.9	<0.5	NA	<1.5	<0.5	<4	<0.5	<0.5	<0.5	<0.5	2.9	<1.5	<125	62	1300	<840	NA	NA	NA	<5	<8.5	<5	No
BH502M 2.1-2.2		Natural	Landscape (HIL B/ HSL- A&B/EIL/ESL)	5	<0.3	19	22	58	NA	0.28	NA	17	17	0.4	NA	<0.9	<0.3	4	<0.2	<0.2	<0.2	<0.2	17	<0.6	<50	<25	<270	<360	NA	NA	NA	<3	<5.1	<3	No
Statistical Analysis																																			
Maximum concentration				9	3	28	340	870	7	10	0.1	19	800	11	<PQL	17	1	110	<PQL	<PQL	<PQL	<PQL	18	<PQL	<PQL	210	7,000	4,100	60	5,600	<PQL	6	<PQL	<PQL	yes
95% UCL				NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	4.265	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
SILs																																			
HIL B - Residential with minimal soil access *Table 1A(1)*				500	150	500 Cr(VI)	30,000	1,200		120		1,200	60,000			4		400														600		1	
HSL A&B High density residential Soil texture classification – Sand [1] *Table 1A(3)*			0 m to <1 m																0.5	160	55	40			45	110									
			1 m to <2 m																0.5	220	NL	60			70	240									
			2 m to <4 m																0.5	310	NL	95			110	440									
			4 m +																0.5	540	NL	170			200	NL									
HSL D Commercial / Industrial Soil texture classification – Sand [1] *Table 1A(3)*			0 m to <1 m																3	NL	NL	230			260	NL									
			1 m to <2 m																3	NL	NL	NL			370	NL									
			2 m to <4 m																3	NL	NL	NL			630	NL									
			4 m +																3	NL	NL	NL			NL	NL									
ESL/EIL - urban residential and public open space [2]				100		200	200	1100				130	490	33			170		50	85	70			105	180	120	300	2,800				180 DDT	180		
Management Limits - Residential parkland and public open space, coarse grained soil texture [1] *-Table 1A(3)*																									700	1,000	2500	10,000							
Asbestos contamination HSL D All forms of asbestos on soil surface *-Table 7*																																			NVA
Asbestos contamination HSL B Bonded ACM (%w/w) *-Table 7*																																			0.04
Asbestos contamination HSL B Non Bonded / Friable Asbestos (%w/w) *-Table 7*																																			0.001

Notes: All results are recorded in mg/kg (unless otherwise stated).

- (yellow) Highlighted values indicates concentration exceeds Human Health Based Soil Criteria.
- (green) Highlighted values indicates concentration exceeds ecological criteria.
- (blue) Highlighted indicates the adopted criteria exceeded.
- (hatched) Indicates no recommended assessment criteria are currently available or applicable.

SILs Soil Investigation levels from Schedule B1 (table reference indicated) of the National Environmental Protection Measure 1999 - Amendment 2013.
HIL A NEPC 2013 'HIL A' Health Based Investigation Levels applicable for residential with garden/ accessible soil (home grown produce <10% fruit and vegetable intake).
HIL B NEPC 2013 'HIL B' Health Based Investigation Levels applicable for residential with minimal opportunities for soil access; includes dwellings with fully and permanently paved yard space such as high-rise buildings and apartments.
HSL A&B NEPC 2013 'HSL A&B' Health Based Screening Levels applicable for vapour intrusion for low to high density residential in areas where residential occupation exists in the ground floor and there are no car parks under - Applicable to deep soil areas only.
HSL D NEPC 1999 Amendment 2013 'HSL D' Health Based Screening Levels based on vapour intrusion values applicable for commercial settings, with communal car parks or commercial properties occuping the ground floor.
HIL C NEPC 2013 'HIL C' Health Based Investigation Levels applicable for public open space such as parks, playgrounds, playing fields, secondary schools and footpaths.
ESL/EIL EIL - Ecological investigation levels and ESL- Ecological screening levels. These are generic and site-specific values derived for the site using ASC NEPM Schedule B1, Tables 1B(1), 1B(2), 1B(3), 1B(4), 1B(5) and 1B(6)

NA 'Not Analysed' i.e. the sample was not analysed or Not Applicable (for TCLPs)
NC Not Calculated'
NL 'Not Limiting' - The soil vapour limit exceeds the soil concentration at which the pore water phase cannot dissolve any more of the individual chemical.
ND Not Detected
NVA No Visible Asbestos

F1 To obtain F1 subtract the sum of BTEX concentrations from the C6-C10 fraction.
F2 To obtain F2 subtract Naphthalene from the >C10-C16 fraction.
F3 (>C16-C34)
F4 (>C34-C40)
1 Coarse Grained soil values were applied, as the site soils were predominantly sand in nature.
2 Site specific EIL/ESL criteria (as explained in **Section 5.6.1**)
3 TCLP data are used for preliminary waste classification (as explained in **Sections 7.1.3** and **8.1.1**)
\+ Chromium testing performed was for total Chromium,where as the NEPC (2013) HIL- B value is for Chromium VI

1	**UCL Statistics for Uncensored Full Data Sets**										
2											
3	User Selected Options										
4	Date/Time of Computation	ProUCL 5.2 9/05/2024 4:35:27 PM									
5	From File	WorkSheet.xls									
6	Full Precision	OFF									
7	Confidence Coefficient	95%									
8	Number of Bootstrap Operations	2000									
9											
10											
11	**Carcinogenic PAHs as B(a)P**										
12											
13	**General Statistics**										
14	Total Number of Observations	23				Number of Distinct Observations	15				
15						Number of Missing Observations	0				
16	Minimum	0.3				Mean	2.926				
17	Maximum	17				Median	1.7				
18	SD	3.448				Std. Error of Mean	0.719				
19	Coefficient of Variation	1.178				Skewness	3.33				
20											
21	**Normal GOF Test**										
22	Shapiro Wilk Test Statistic	0.626				**Shapiro Wilk GOF Test**					
23	1% Shapiro Wilk Critical Value	0.881				Data Not Normal at 1% Significance Level					
24	Lilliefors Test Statistic	0.233				**Lilliefors GOF Test**					
25	1% Lilliefors Critical Value	0.209				Data Not Normal at 1% Significance Level					
26	**Data Not Normal at 1% Significance Level**										
27											
28	**Assuming Normal Distribution**										
29	**95% Normal UCL**					**95% UCLs (Adjusted for Skewness)**					
30	95% Student's-t UCL	4.161				95% Adjusted-CLT UCL (Chen-1995)	4.642				
31						95% Modified-t UCL (Johnson-1978)	4.244				
32											
33	**Gamma GOF Test**										
34	A-D Test Statistic	0.478				**Anderson-Darling Gamma GOF Test**					
35	5% A-D Critical Value	0.764				Detected data appear Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic	0.13				**Kolmogorov-Smirnov Gamma GOF Test**					
37	5% K-S Critical Value	0.186				Detected data appear Gamma Distributed at 5% Significance Level					
38	**Detected data appear Gamma Distributed at 5% Significance Level**										
39											
40	**Gamma Statistics**										
41	k hat (MLE)	1.298				k star (bias corrected MLE)	1.158				
42	Theta hat (MLE)	2.254				Theta star (bias corrected MLE)	2.527				
43	nu hat (MLE)	59.72				nu star (bias corrected)	53.26				
44	MLE Mean (bias corrected)	2.926				MLE Sd (bias corrected)	2.719				
45						Approximate Chi Square Value (0.05)	37.5				
46	Adjusted Level of Significance	0.0389				Adjusted Chi Square Value	36.54				
47											
48	**Assuming Gamma Distribution**										
49	95% Approximate Gamma UCL	4.156				95% Adjusted Gamma UCL	4.265				
50											
51	**Lognormal GOF Test**										
52	Shapiro Wilk Test Statistic	0.969				**Shapiro Wilk Lognormal GOF Test**					
53	10% Shapiro Wilk Critical Value	0.928				Data appear Lognormal at 10% Significance Level					
54	Lilliefors Test Statistic	0.0975				**Lilliefors Lognormal GOF Test**					

Table C3 - Summary of Groundwater Analytical Results

E25947.E06 - Redfern

Sample ID	Date of sampling	Metals										PAHs			BTEX						TRHs				Petroleum Hydrocarbons			Other Parameters				
		Al	As*	Cd	Cr*	Cu	Pb	Hg	Ni	Zn	Fe	Benzo(a)pyrene	Total PAHs	Naphthalene	Benzene	Toluene	Ethylbenzene	m/p-Xylene	o-Xylene	F1	F2	F3	F4	TPH C6-C9	TPH C10-C40	Oil & Grease	Total Phenols	Total Cyanide	pH	Hardness mg $CaCO_3$/L	Turbidity
Previous Investigation - (EMM,2019)																																
MW11_191218		NA	<1	<0.1	<1	1	1	<0.1	<1	8	NA	<0.5	<1	<1.0	<1	<2	<2	<2	<2	<20	<100	<100	<100	<20	<100	NA	<2	NA	NA	NA	NA
QC104_191218		NA	<1	<0.1	<1	<1	<1	<0.1	<1	<5	NA		<1	<5	<1	<2	<2	<2	<2	<20	<100	<100	<100	<20	<100	NA		NA	NA	NA	NA
MW20_191218	18/12/2019	NA	<1	<0.1	2	2	3	<0.1	2	17	NA	<0.5	<1	<1.0	<1	<2	<2	<2	<2	<20	<100	<100	<100	<20	<100	NA	<2	NA	NA	NA	NA
MW21_191218		NA	10	<0.1	2	<1	2	<0.1	1	6	NA	<0.5	<1	<1.0	<1	<2	<2	<2	<2	<20	<100	<100	<100	<20	<100	NA	<2	NA	NA	NA	NA
QC204_191218		NA	<50	<10	<10	<10	<50	<0.5	<20	<20	NA		<1	<1	<1	<1	<1	<1	<1	<10	<50	<100	<100	<10		NA		NA	NA	NA	NA
Previous Investigation - (JBS&G,2022)																																
MW01A		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<2	<1	<20	<50	<100	<100	<20	<100	NA	<2	NA	NA	NA	NA
MW02A		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<2	<1	<20	<50	<100	<100	<20	<100	NA	NA	NA	NA	NA	NA
MW03A		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<2	<1	<20	<50	<100	<100	<20	<100	NA	NA	NA	NA	NA	NA
QA01		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<2	<1	<10	<50	<100	<100	<10	<50	NA	NA	NA	NA	NA	NA
QA01		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<2	<1	<20	<50	<100	<100	<20	<100	NA	NA	NA	NA	NA	NA
MW04A	04/05/2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<2	<1	<20	<50	<100	<100	<20	<100	NA	NA	NA	NA	NA	NA
MW05A		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<2	<1	<20	<50	<100	<100	<20	<100	NA	NA	NA	NA	NA	NA
MW06A		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<2	<1	<20	380	400	200	<20	980	NA	NA	NA	NA	NA	NA
MW11		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<2	<1	<20	<50	<100	<100	<20	<100	NA	NA	NA	NA	NA	NA
MW20		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<2	<1	<20	<50	<100	<100	<20	<100	NA	NA	NA	NA	NA	NA
MW21		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<2	<1	<20	<50	200	<100	<20	200	NA	NA	NA	NA	NA	NA
Groundwater Site Investigation - (EI, 2023)																																
GW_BH502M		170	3	<0.1	<1	<1	1	<0.1	<1	17	3000	<0.1	<1	<0.1	<0.5	<0.5	<0.5	<1	<0.5	<50	<50	<500	<500	<40	<320	<5	<4	<50	6.3	160.0	12
GW_BH504M		71	<1	<0.1	<1	1	<1	<0.1	1	7	2200	<0.1	<1	<0.1	<0.5	<0.5	<0.5	<1	<0.5	<50	<60	<500	<500	<40	<320	<5	<4	<50	6.1	77.0	26
GW_BH509M		11	3	<0.1	<1	2	<1	<0.1	1	8	9600	<0.1	<1	<0.1	<0.5	<0.5	<0.5	<1	<0.5	<50	<60	<500	<500	<40	<320	<5	<4	<50	6.2	56.0	24
GW-MW11□	1/03/2023	32	<1	<0.1	<1	9	<1	<0.1	<1	9	120	<0.1	<1	<0.1	<0.5	<0.5	<0.5	<1	<0.5	<50	<60	<500	<500	<40	<320	<5	<4	<50	6.1	100.0	21
GW-MW20□		37	2	<0.1	<1	<1	<1	<0.1	2	7	12000	<0.1	<1	<0.1	<0.5	<0.5	<0.5	<1	<0.5	<50	<60	<500	<500	<40	<320	<5	<4	<50	5.9	59.0	19
GW-MW21□		110	6	<0.1	<1	1	<1	<0.1	1	12	2500	<0.1	<1	<0.1	<0.5	<0.5	<0.5	<1	<0.5	<50	<60	<500	<500	<40	<320	<5	<4	<50	6	220.0	770
Maximum Concentration		170	10	<PQL	2	9	3	<PQL	2	17	12000	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	<PQL	380	400	200	<PQL	980	<PQL	<PQL	<PQL	6.3	220	770
GILs																																
ANZG (2018)	Marine Water	80 [1]	94 (As III) [1] 42 (As V) [1]	0.7 [2]	27 (Cr III) 4.4 (Cr VI)	13 [3]	4.4	0.1 [2]	70	80 [3]		0.1 [2]		70	700	180	80		75					If detected test for BTEX, PAH, Oil & Grease		No visible sheen, surface films or Oil & Grease	400	4	6.5-8.0		50 [4]
	Fresh water	55	24 (As III) 13 (As V)	0.65 [6]	9.72 (CrIII) [4] 2.95 (CrVI) [6]	42.9 [3,6]	18.11 [6]	0.06 [2,6]	33.7 [6]	245.12 [3,6]		0.1 [2]		16	950	180	80	550	75								320	7	6.5-8.0		10 [5]
NEPC 2013 HSL - D 2m to <4 Sand														NL	5000	NL	NL	NL	NL	6000	NL										

Notes: All values are in units of µg/L unless stated otherwise, except Turbidity (NTU) and Oil & Grease (mg/L). NL Non-Limiting

Highlighted values indicates concentration exceeds the dewatering discharge criteria (specific criteria are referenced below).□

Highlighted values indicates criteria exceeded.□

Indicates no published water quality criteria are currently available or applicable.

GILs Groundwater Investigation levels - assessment criteria based on ANZG (2018) default guideline values (DGVs) for the protection of marine and freshwater ecosystems, unless otherwise indicated.

* Unspeciated analyses (i.e Cr test result includes Cr III and Cr VI; As test result includes As III and As V).

1 The ANZG (2018) 90% Freshwater DGVs for slightly to moderately disturbed ecosystems are applied for the indicated parameters (i.e. aluminium and arsenic), in the absence of marine water criteria.

2 The 99% trigger values have been applied for chemicals which have possible bioaccumulation and secondary poisoning effects, Ref. ANZG 2018 based on ANZECC & ARMCANZ 2000.

3 For the metals copper and zinc, which are naturally above the ANZG 2018 95% DGVs under regional (background) conditions, water discharge criteria are set at one order of magnitude higher than the DGVs.

4 In the absence of ANZG 2018 marine water criteria for Turbidity, the ANZECC & ARMCANZ (2000) Table 3.3.3 upper default trigger value for Estuarine and Marine ecosystems is applied.

5 In the absence of ANZG 2018 fresh water criteria for Turbidity, the ANZECC & ARMCANZ (2000) Table 3.3.3 upper default trigger value for Lowland River settings is applied.

6 Selected metal criteria for freshwater was calculated based on the average hardness value 112 mg $CaCO_3$/L, in accordance with ANZECC & ARMCANZ (2000) Ref. Sec. 3.4.3. Table 3.4.3, page 3.4-21.

eiaustralia
Contamination | Remediation | Geotechnical

Table 4 - QA/QC Results for Soil Samples **E25947.E06 - Redfern**

Date	Sample Identification	Description	TRH				BTEX				Heavy Metals							
			F1	F2	F3	F4	Benzene	Toluene	Ethylbenzene	Xylene (total)	Arsenic	Cadmium	Chromium (Total)	Copper	Lead	Mercury	Nickel	Zinc
Intra-laboratory Duplicate																		
6-8/02/2023	TP414_0.5-0.6	Primary Soil Sample	<25	<25	350.0	<120	<0.1	<0.1	<0.1	<0.3	2	<0.3	3	7	81	0.09	1	110
6-8/02/2023	QD1	Intra-laboratory duplicate of TP414_0.5-0.6	<25	25.0	260.0	<120	<0.1	<0.1	<0.1	<0.3	2	<0.3	2.9	8.4	70	0.14	1.4	100
		RPD	***0.00***	***0.00***	***29.51***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***3.51***	***15.38***	***14.57***	***43.48***	***24.00***	***9.52***
6-8/02/2023	TP406_0.5-0.6	Primary Soil Sample	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<1	<0.3	<0.5	1	3	<0.05	<0.5	170
6-8/02/2023	QD3	Intra-laboratory duplicate of TP406_0.5-0.6	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	<1	<0.3	1.2	3.1	17	<0.05	<0.5	110
		RPD	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	**96.55**	**102.44**	**140.00**	***0.00***	***0.00***	***42.86***
6-8/02/2023	TP410_0.5-0.6	Primary Soil Sample	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	1	<0.3	2	11	110	0.13	1	170
6-8/02/2023	QD4	Intra-laboratory duplicate of TP410_0.5-0.6	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	1	<0.3	2.6	11	110	0.12	1.4	160
		RPD	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***21.28***	***0.00***	***0.00***	***8.00***	***15.38***	***6.06***
6-8/02/2023	TP408_0.5-0.6	Primary Soil Sample	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	2	<0.3	2	8	17	0.10	2	47
6-8/02/2023	QD6	Intra-laboratory duplicate of TP408_0.5-0.6	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	4	<0.3	9.8	180	270	0.70	8.7	130
		RPD	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	**66.67**	***0.00***	**132.20**	**183.80**	**176.31**	**150.00**	**131.43**	**93.79**
Inter-laboratory Duplicate																		
6-8/02/2023	TP414_0.5-0.6	Primary Soil Sample	<25	<25	350.0	<120	<0.1	<0.1	<0.1	<0.3	2	<0.3	3	7	81	0.09	1	110
6-8/02/2023	QT1	Inter-laboratory duplicate of TP408_0.5-0.6	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<4	<0.4	3	10	110	0.2	2	130
		RPD	***0.00***	***NA***	**125.00**	***NA***	***NA***	***NA***	***NA***	***NA***	**100.00**	***NA***	***6.90***	***32.56***	***30.37***	**75.86**	**58.06**	***16.67***
6-8/02/2023	TP408_0.5-0.6	Primary Soil Sample	<25	<25	<90	<120	<0.1	<0.1	<0.1	<0.3	2	<0.3	2	8	17	0.10	2	47
6-8/02/2023	QT6	Inter-laboratory duplicate of TP408_0.5-0.6	<25	<50	<100	<100	<0.2	<0.5	<1	<1	5	<0.4	10	56	200	0.8	8	200
		RPD	***0.00***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	**85.71**	***NA***	**133.33**	**152.20**	**168.66**	**155.56**	**126.53**	**123.89**
Trip Blank																		
6-8/02/2023	TB	Soil	-	-	-	-	<0.1	<0.1	<0.1	<0.3	-	-	-	-	-	-	-	-
Trip Spike																		
6-8/02/2023	TS	Soil	-	-	-	-	[109%]	[109%]	[97%]	-	-	-	-	-	-	-	-	-
Rinsate Blanks																		
6-8/02/2023	QR	Equipment rinsate water	-	-	-	-	NA	NA	NA	NA	<1	<0.1	<1	<1	<1	<0.1	<1	<5

Indicates values where a single result is found to be less than detection, with the duplicate sample found to be over the detection limit.
RPD exceeds 30-50% range referenced from AS4482.1 (2005)

Note: All soil results are reported in mg/kg and water results are reported in µg/L.

F1 = TRH C6-C10 less the sum of BTEX
F2 = TRH >C10-C16 less naphthalene
F3 = TRH >C16-C34
F4 = TRH >C34-C40

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Table 5 - QA/QC Results for Groundwater Samples **E25947.E06 - Redfern**

Date	Sample Identification	Description	TRH				BTEX				Heavy Metals							
			F1	F2	F3	F4	Benzene	Toluene	Ethylbenzene	Xylene (total)	Arsenic	Cadmium	Chromium (Total)	Copper	Lead	Mercury	Nickel	Zinc
Inter-laboratory Duplicate																		
1/03/2023	GW-MW11	Primary Groundwater Sample	<50	<60	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.1	<1	9	<1	<0.1	<1	9
1/03/2023	GW-QD	Inter-laboratory duplicate of GW-MW11	<50	<60	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.1	<1	2	<1	<0.1	<1	<5
		RPD	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***NA***	***0.00***	***0.00***	***0.00***	**127.27**	***0.00***	***0.00***	***0.00***	**69.57**
Intra-laboratory Duplicate																		
1/03/2023	GW-MW11	Primary Groundwater Sample	<50	<60	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.1	<1	9	<1	<0.1	<1	9
1/03/2023	GW-QT	Inter-laboratory duplicate of GW-MW11	<10	<50	<100	<100	<1	<1	<1	-	<1	<0.1	<1	2	<1	<0.05	<1	7
		RPD	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***0.00***	***0.00***	***0.00***	**127.27**	***0.00***	***NA***	***0.00***	***25.00***
Trip Blank																		
1/03/2023	TB	Water	-	-	-	-	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-
Trip Spike																		
1/03/2023	TS	Water	-	-	-	-	[103%]	[103%]	[108%]	-	-	-	-	-	-	-	-	-
Rinsate Blank																		
1/03/2023	GW-QR	Equipment rinsate water	<50	<60	<500	<500	<0.5	<0.5	<0.5	<1.5	<1	<0.1	<1	<1	<1	<0.1	<1	<5

Indicates values where a single result is found to be less than detection, with the duplicate sample found to be over the detection limit.
RPD exceeds 30-50% range referenced from AS4482.1 (2005)

Note: All water results are reported in µg/L.

F1 = TRH C6-C10 less the sum of BTEX
F2 = TRH >C10-C16 less naphthalene
F3 = TRH >C16-C34
F4 = TRH >C34-C40

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55	10% Lilliefors Critical Value					0.165	Data appear Lognormal at 10% Significance Level					
56	**Data appear Lognormal at 10% Significance Level**											
57												
58	**Lognormal Statistics**											
59	Minimum of Logged Data					-1.204	Mean of logged Data					0.641
60	Maximum of Logged Data					2.833	SD of logged Data					0.953
61												
62	**Assuming Lognormal Distribution**											
63	95% H-UCL					4.933	90% Chebyshev (MVUE) UCL					4.853
64	95% Chebyshev (MVUE) UCL					5.733	97.5% Chebyshev (MVUE) UCL					6.955
65	99% Chebyshev (MVUE) UCL					9.355						
66												
67	**Nonparametric Distribution Free UCL Statistics**											
68	**Data appear to follow a Discernible Distribution**											
69												
70	**Nonparametric Distribution Free UCLs**											
71	95% CLT UCL					4.109	95% BCA Bootstrap UCL					4.857
72	95% Standard Bootstrap UCL					4.069	95% Bootstrap-t UCL					5.348
73	95% Hall's Bootstrap UCL					8.972	95% Percentile Bootstrap UCL					4.204
74	90% Chebyshev(Mean, Sd) UCL					5.083	95% Chebyshev(Mean, Sd) UCL					6.06
75	97.5% Chebyshev(Mean, Sd) UCL					7.416	99% Chebyshev(Mean, Sd) UCL					10.08
76												
77	**Suggested UCL to Use**											
78	95% Adjusted Gamma UCL					4.265						
79												
80	**The calculated UCLs are based on assumptions that the data were collected in a random and unbiased manner.**											
81	**Please verify the data were collected from random locations.**											
82	**If the data were collected using judgmental or other non-random methods,**											
83	**then contact a statistician to correctly calculate UCLs.**											
84												
85	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
86	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.											
87	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
88												

TEST PIT: TP401

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-	GWNE	0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
				0.40	TP401_0.1-0.2			-	FILL: SAND; fine to medium grained, brown, with sub-angular to angular gravels, with glass and ceramic tiles fragments, with roots, no odour.			FILL
			0.5	0.90	TP401_0.5-0.6			-	FILL: Gravelly SAND; medium to coarse grained, yellow/grey, with glass, ceramic tiles, brick and sandstone fragments, no odour.			
			1.0	1.40	TP401_1.0-1.1			-	FILL: SAND; medium to coarse grained, brown grey, with sub-angular to angular gravels, with glass, ceramic tiles and brick fragments, no odour.	D	-	
			1.5	1.80	TP401_1.5-1.6			Pt	PEAT; dark brown, with organic material, with a weak sulfur odour.			NATURAL
				2.00	TP401_1.9-2.0			CL	CLAY; low plasticity, dark brown, with a moderate sulfur odour.			
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP402

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-		0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
					TP402_0.1-0.2			-	FILL: SAND; fine to medium grained, brown, with glass, brick, ceramic and metal fragments, no odour.			FILL
				0.40								
			0.5		TP402_0.5-0.6			-	FILL: SAND; medium grained, brown yellow, with sub-angular to angular gravels, with glass, brick, metal and concrete fragments, no odour.			
				0.80					From 0.80 m, colour change to brown grey.	D		
			1.0		TP402_1.0-1.1						-	
				1.20				Pt	PEAT; dark brown, with organic material, with a weak sulfur odour.			NATURAL
			1.5		TP402_1.5-1.6							
				1.70				CL	CLAY; low plasticity, dark brown, with a moderate sulfur odour.	W		
				2.00	TP402_1.9-2.0							
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP403

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-	GWNE	0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
					TP403_0.1-0.2			-	FILL: SAND; fine grained, grey/yellow, with sub-angular gravels, with glass, brick and metal fragments, no odour.			FILL
				0.40					From 0.40 m, colour change to brown.			
			0.5		TP403_0.5-0.6							
				0.90				-	FILL: SAND; fine grained, grey, with ceramic fragments, no odour.	D	-	
			1.0		TP403_1.0-1.1							
				1.40				Pt	PEAT; dark brown, with organic material, no odour.			NATURAL
			1.5		TP403_1.5-1.6							
				1.80				CL	CLAY; low plasticity, dark brown, with a weak sulfur odour.			
				2.00	TP403_1.9-2.0							
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP404

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-	GWNE	0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
					TP404_0.1-0.2			-	FILL: SAND; fine grained, brown, with sub-angular gravels, with glass, brick and metal fragments, no odour.			FILL
				0.40					From 0.40 m, colour change to grey/yellow.			
			0.5		TP404_0.5-0.6							
				0.90				-	FILL: Gravelly SAND; medium to coarse grained, brown/orange, with clay and sub-angular to angular gravels, with glass fragments, no odour.	D	-	
			1.0		TP404_1.0-1.1							
				1.40				Pt	PEAT; dark brown, with organic material, with a weak sulfur odour.			NATURAL
			1.5		TP404_1.5-1.6							
				1.80				CL	CLAY; low plasticity, dark brown, with a weak sulfur odour.			
				2.00	TP404_1.9-2.0							
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP405

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
			0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
					TP405_0.1-0.2			-	FILL: SAND; fine grained, brown, with sub-angular to angular gravels, with glass, ceramic tiles, brick, ceramic and concrete fragments, no odour.			FILL
				0.40								
			0.5		TP405_0.5-0.6QD5/QT5			-	FILL: SAND; medium to coarse grained, brown/grey, with sub-angular to angular gravels, with glass, ceramic tiles, brick, ceramic and concrete fragments, no odour.			
				0.90								
E	-	GWNE	1.0		TP405_1.0-1.1			Pt	PEAT; dark brown, with organic material, with a trace of sand, no odour.	D	-	NATURAL
				1.40					From 1.40 m, with a weak sulfur odour.			
			1.5		TP405_1.5-1.6							
				1.80				CL	CLAY; low plasticity, dark brown, with a moderate sulfur odour.			
				2.00	TP405_1.9-2.0							
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP406

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-	GWNE	0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
					TP406_0.1-0.2			-	FILL: SAND; fine grained, brown, with sub-angular to angular gravels, with glass, ceramic tiles, brick, metal and concrete fragments, no odour.			
				0.40								
			0.5		TP406_0.5-0.6 QD3/QT3			-	FILL: SAND; medium to coarse grained, brown/grey, with sub-angular to angular gravels, with glass, ceramic tiles, brick, metal and concrete fragments, no odour.			
				0.90					From 0.90 m, with peat and roots.	D	-	
			1.0		TP406_1.0-1.1							
				1.40								
			1.5		TP406_1.5-1.6			Pt	PEAT; dark brown, with organic material, with a trace of low plasticity clay, with a weak sulfur odour.			NATURAL
				1.80								
				2.00	TP406_1.9-2.0			CL	CLAY; low plasticity, dark brown, with a weak sulfur odour.			
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP407

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
			0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
					TP407_0.1-0.2			-	FILL: SAND; fine grained, brown, with gravels, with glass, ceramic tiles, brick and metal fragments, no odour.			FILL
				0.40				-	FILL: SAND; medium to coarse grained, brown, with glass, ceramic tiles, brick, metal and sandstone fragments, no odour.	D		
			0.5		TP407_0.5-0.6QD2/QT2							
				0.90				Pt	PEAT; dark brown, with medium to coarse grained sand, no odour.			NATURAL
E	-		1.0		TP407_1.0-1.1						-	
				1.40					From 1.40 m, with a weak sulfur odour.			
		▽	1.5		TP407_1.5-1.6							
				1.80				CL	CLAY; low plasticity, dark brown, with a moderate sulfur odour.	W		
					TP407_1.9-2.0							
			2.0	2.00					Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP408

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
			0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
					TP408_0.1-0.2			-	FILL: SAND; fine to medium grained, brown, with sub-angular to angular gravels, with glass, ceramic tiles, brick, ceramic and concrete fragments, no odour.			FILL
				0.40								
			0.5		TP408_0.5-0.6 QD6/QT6			-	FILL: SAND; medium to coarse grained, brown, with sub-angular to angular gravels, with glass, ceramic tiles, brick, ceramic and concrete fragments, no odour.			
				0.90								
E	-	GWNE	1.0		TP408_1.0-1.1			Pt	PEAT; dark brown, with a trace of sand, no odour.	D	-	NATURAL
				1.40								
			1.5		TP408_1.5-1.6			CL	CLAY; low plasticity, dark brown, with peat, with a weak sulfur odour.			
				1.80					From 1.80 m, with no peat, with a moderate sulfur odour.			
				2.00	TP408_1.9-2.0							
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP409

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-	GWNE	0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
					TP409_0.1-0.2			-	FILL: Gravelly SAND; fine to medium grained, brown, with sub-angular to angular gravels, with glass, ceramic tiles and brick fragments, no odour.			FILL
				0.40								
			0.5		TP409_0.5-0.6				From 0.40 m, colour change to brown/yellow and grey, with slag.			
				0.90								
			1.0		TP409_1.0-1.1				From 0.90 m, colour change to dark brown mottled grey, with sandstone fragments, with a trace of silty clay.	D	-	
				1.40								
			1.5		TP409_1.5-1.6			Pt	PEAT; dark brown, with organic material, with a trace of fine to medium grained sand, no odour.			NATURAL
				1.80								
				2.00	TP409_1.9-2.0			CL	CLAY; low plasticity, dark brown, with fine grained sand, with roots, no odour.			
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP410

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
			0.0					-	TOPSOIL; 100 mm thickness.			TOPSOIL
				0.10	TP410_0.1-0.2			-	FILL: SAND; fine grained, brown, with gravels, with ceramic tiles and brick fragments, no odour.			FILL
				0.40				-	FILL: SAND; medium to coarse grained, brown/yellow, with sub-angular to angular gravels, with glass and brick fragments, no odour.			
			0.5		TP410_0.5-0.6 QD4/QT4							
				0.90				-	FILL: SAND; medium grained, brown, with roots and peat, no odour.			
E	-	GWNE	1.0		TP410_1.0-1.1					D	-	
				1.40				Pt	PEAT; brown, with organic material, with a weak sulfur odour.			NATURAL
			1.5		TP410_1.5-1.6							
				1.80				CL	CLAY; low plasticity, dark brown, with a moderate sulfur odour.			
					TP410_1.9-2.0							
			2.0	2.00					Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP411

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-	GWNE	0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
					TP411_0.1-0.2			-	FILL: SAND; fine to medium grained, brown, with sub-angular to angular gravels, with glass, ceramic tiles, brick and metal fragments, no odour.			FILL
				0.40					From 0.40 m, colour change to brown/yellow, with ceramic fragments.			
			0.5		TP411_0.5-0.6							
				0.90				-	FILL: Gravelly SAND; medium to coarse grained, brown orange, with sub-angular to angular gravels, with glass fragments, no odour.	D	-	
			1.0		TP411_1.0-1.1							
				1.40				Pt	PEAT; dark brown, with organic material, no odour.			NATURAL
			1.5		TP411_1.5-1.6							
				1.80				CL	CLAY; low plasticity, dark brown, with a weak sulfur odour.			
				2.00	TP411_1.9-2.0							
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP412

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-	GWNE	0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
				0.40	TP412_0.1-0.2			-	FILL: Gravelly SAND; fine to medium grained, brown, with sub-angular to angular gravels, with glass, ceramic tiles, brick fragments, no odour.			FILL
			0.5	0.90	TP412_0.5-0.6			-	FILL: SAND; medium to coarse grained, brown/yellow, with sub-angular to angular gravels, with glass, ceramic tiles, brick and concrete fragments, with slag, no odour.			
			1.0	1.40	TP412_1.0-1.1			-	FILL: SAND; medium grained, brown, with gravel and clay, with brick, concrete and wood fragments, no odour.	D	-	
			1.5	1.80	TP412_1.5-1.6			Pt	PEAT; dark brown, with a trace of fine grained sand, no odour.			NATURAL
				2.00	TP412_1.9-2.0			CL	CLAY; low plasticity, dark brown, with a weak sulfur odour.			
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP413

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-	GWNE	0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
				0.40	TP413_0.1-0.2			-	FILL: SAND; fine grained, brown, with roots, with glass, ceramic tiles, brick, concrete, wood and plastic fragments, no odour.			FILL
			0.5		TP413_0.5-0.6			-	FILL: SAND; medium grained, brown/yellow, with sub-angular to angular gravels, no odour.			
				0.90					From 0.90 m, colour change to brown/grey.	D	-	
			1.0	1.40	TP413_1.0-1.1							
			1.5		TP413_1.5-1.6			Pt	PEAT; dark brown, with organic material, with a weak sulfur odour.			NATURAL
				1.80				CL	CLAY; low plasticity, dark brown, with a moderate sulfur odour.			
				2.00	TP413_1.9-2.0							
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP414

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-	GWNE	0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
					TP414_0.1-0.2			-	FILL: Gravelly SAND; fine to medium grained, brown, with concrete fragments, no odour.			FILL
				0.40								
			0.5		TP414_0.5-0.6 QD1/QT1			-	FILL: SAND; medium to coarse grained, brown/yellow, with slag, no odour.			
				0.90								
			1.0		TP414_1.0-1.1			-	FILL: SAND; medium grained, brown, with gravel and clay, no odour.	D	-	
				1.40								
			1.5		TP414_1.5-1.6			Pt	PEAT; dark brown, with organic material, no odour.			NATURAL
				1.80								
				2.00	TP414_1.9-2.0			CL	CLAY; low plasticity, dark brown, with a weak sulfur odour.			
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP415

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
			0.0					-	TOPSOIL; 100 mm thickness.			TOPSOIL
				0.10	TP415_0.1-0.2			-	FILL: SAND; fine to medium grained, brown, with gravels, with glass, ceramic tiles and brick fragments, no odour.			FILL
				0.40					From 0.40 m, medium grained, colour change to brown/yellow.			
			0.5		TP415_0.5-0.6							
				0.90				-	FILL: SAND; medium grained, brown, with gravel and clay, no odour.			
E	-	GWNE	1.0		TP415_1.0-1.1					D	-	
				1.40				Pt	PEAT; dark brown, with organic material, no odour.			NATURAL
			1.5		TP415_1.5-1.6							
				1.80				CL	CLAY; low plasticity, dark brown, with a weak sulfur odour.			
				2.00	TP415_1.9-2.0							
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP416

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-	GWNE	0.0	0.10				-	TOPSOIL; 100 mm thickness.	D	-	TOPSOIL
					TP416_0.1-0.2			-	FILL: Gravelly SAND; fine to medium grained, brown, with sub-angular to angular gravels, with glass, ceramic tiles and wood fragments, no odour.			FILL
				0.40								
			0.5		TP416_0.5-0.6			-	FILL: SAND; medium to coarse grained, brown, with sub-angular to angular gravels, with glass, ceramic tiles, brick and concrete fragments, with slag, no odour.			
				0.90								
			1.0		TP416_1.0-1.1			-	FILL: SAND; fine to medium grained, brown, with sub-angular to angular gravels, with ceramic tiles and brick fragments, no odour.			
				1.40								
			1.5		TP416_1.5-1.6			Pt	PEAT; dark brown, with organic material, with low plasticity clay, no odour.			NATURAL
				1.80								
				2.00	TP416_1.9-2.0			CL	CLAY; low plasticity, dark brown, no odour.			
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP417

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-	GWNE	0.0	0.10				-	TOPSOIL; 100 mm thickness.			TOPSOIL
					TP417_0.1-0.2			-	FILL: SAND; fine to medium grained, brown, with sub-angular to angular gravels, with glass, ceramic tiles and brick fragments, no odour.			FILL
				0.40				-	FILL: SAND; medium to coarse grained, brown/yellow, with sub-angular to angular gravels, with glass, ceramic tiles and brick fragments, no odour.			
			0.5		TP417_0.5-0.6							
				0.90				-	FILL: SAND; medium grained, brown mottled grey/yellow, with ceramic tiles and brick fragments, no odour.	D	-	
			1.0		TP417_1.0-1.1							
				1.40				Pt	PEAT; dark brown, with organic material, no odour.			NATURAL
			1.5		TP417_1.5-1.6							
				1.80				CL	CLAY; low plasticity, dark brown, with a moderate sulfur odour.			
					TP417_1.9-2.0							
			2.0	2.00					Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP418

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-	GWNE	0.0	0.10	TP418_0.1-0.2			-	TOPSOIL; 100 mm thickness.	D	-	TOPSOIL
								-	FILL: SAND; fine grained, brown, with sub-angular to angular gravels, with glass and brick fragments, no odour.			FILL
				0.40					From 0.40 m, medium grained, colour change to brown mottled grey.			
			0.5		TP418_0.5-0.6							
				0.90				Pt	PEAT; dark brown, with organic material, with sand, no odour.			NATURAL
			1.0		TP418_1.0-1.1							
				1.40				Pt	PEAT; dark brown, with organic material, with a trace of sand, no odour.			
			1.5		TP418_1.5-1.6							
				1.80				CL	CLAY; low plasticity, dark brown, with a weak sulfur odour.			
				2.00	TP418_1.9-2.0							
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT: TP419

Project	Additional Site Investigation			Sheet	1 OF 1
Location	600-660 Elizabeth Street, Redfern NSW			Date	8/2/23
Position	Refer to Figure 2			Logged	GT
Job No.	E25947.E03	Contractor	-	Checked	NK
Client	Hickory Constructions Pty Ltd	Machine	Excavator		
		Bucket Size			

Excavation					Sampling		Field Material Description					
METHOD	EXCAVATION RESISTANCE	WATER	DEPTH (metres)	Strata Depth	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USCS SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
E	-	▽	0.0	0.10				-	TOPSOIL; 100 mm thickness.	D	-	TOPSOIL
					TP419_0.1-0.2			-	FILL: SAND; medium grained, brown, with sub-angular to angular gravels, with glass, ceramic tiles, brick and metal fragments, no odour.			FILL
				0.40								
			0.5		TP419_0.5-0.6			-	FILL: SAND; medium to coarse grained, brown grey, with sub-angular gravels, with glass, ceramic tiles, brick and metal fragments, no odour.			
				0.90					From 0.90 m, colour change to yellow grey.			
			1.0		TP419_1.0-1.1							
				1.40				Pt	PEAT; dark brown, with organic matter, no odour.			NATURAL
			1.5		TP419_1.5-1.6					W		
				1.80				CL	CLAY; low plasticity, dark brown, with a weak sulfur odour.			
				2.00	TP419_1.9-2.0							
			2.0						Hole Terminated at 2.00 mBGL; Target Depth Reached.			
			2.5									
			3.0									

Sketch & Other Observations

This borehole log should be read in conjunction with EI Australia's accompanying standard notes.

TEST PIT TP01

PROJECT NUMBER 59618	**DRILLING COMPANY** Ken Coles	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 28-Apr-22	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** Excavator	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**DRILLING METHOD** Bucket excavation	**COORD SOURCE**
	DIMENSIONS 600 mm	**LOGGED BY** MD

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
Test Pit	0.2		Fill	Fill - SAND, brown, heterogeneous, damp, fine sand loose, with inclusions of brick, tiles, sandstone, gravel, concrete, and plastic	DP	TP01_0.00-0.60	No odour, staining, or asbestos. 10 L AQ from 0.0-0.6 m
	0.4					TP01_0.25-0.35	
	0.6					TP01_0.50-0.60	
	0.8		Fill	Fill - SAND, grey/brown, heterogeneous, damp, fine sand loose, with inclusions of brick, tiles, sandstone, gravel, concrete, and plastic	DP	TP01_0.60-1.40	No odour, staining, or asbestos.10 L AQ from 0.6-1.4 m. QA/QC08 taken from 1.25-1.35 m.
	1					TP01_0.75-0.85	
	1.2					TP01_1.00-1.10	
	1.4					TP01_1.25-1.35	
	1.6		PT	Natural - PEAT, black, homogenous, moist, medium plasticity, firm, with inclusions of organic material	M	TP01_1.50-1.60	No staining or asbestos, sulfidic odours. QA/QC06 taken from 3.0-3.1 m
	1.8					TP01_1.75-1.85	
	2					TP01_2.00-2.10	
	2.2					TP01_2.25-2.35	
	2.4					TP01_2.50-2.60	
	2.6					TP01_2.75-2.85	
	2.8					TP01_3.00-3.10	
	3						
	3.2		SW	Natural - SAND, grey/brown, homogenous, wet, fine sand medium dense, water in hole to 2.0 m (no sheen, brown colour)	W	TP01_3.25-3.35	No odour, staining, or asbestos. QA/QC07 taken from 3.4-3.5 m
	3.4					TP01_3.40-3.50	
	3.6			Termination Depth at: 3.50 m.			End of hole @ 3.5 mbgs, programmed depth
	3.8						

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TEST PIT TP02

PROJECT NUMBER 59618	**DRILLING COMPANY** Ken Coles	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 28-Apr-22	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** Excavator	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**DRILLING METHOD** Bucket excavation	**COORD SOURCE**
	DIMENSIONS 600 mm	**LOGGED BY** JM

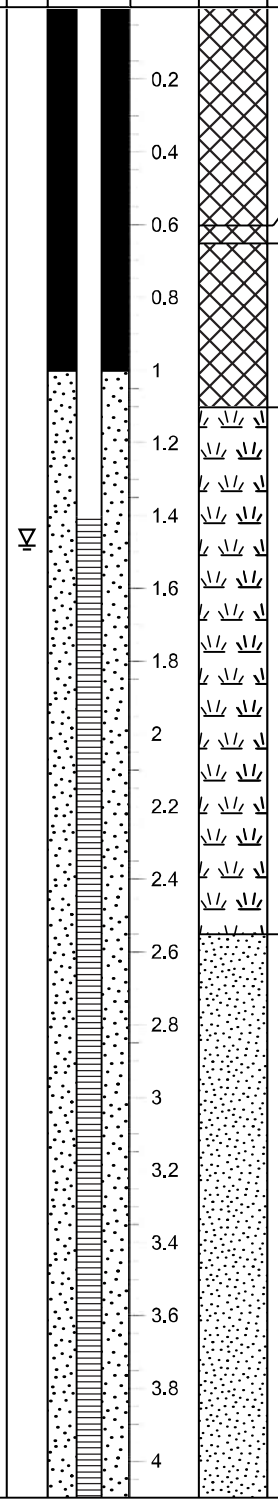
COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
Test Pit	0.2		Fill	Fill - SAND, grey/brown, heterogeneous, damp, fine sand loose, with inclusions of brick, glass, metal, sandstone, concrete, and slag	DP	TP02_0.00-0.90	No odour, staining, or asbestos. 10 L AQ from 0.0-0.9 m
	0.4					TP02_0.25-0.35	
	0.6					TP02_0.50-0.60	
	0.8					TP02_0.75-0.85	
	1					TP02_0.90-1.60	No odour, staining, or asbestos. 10 L AQ from 0.9-1.6 m
	1.2					TP02_1.00-1.10	
	1.4					TP02_1.25-1.35	
	1.6					TP02_1.50-1.60	
	1.8		PT	Natural - PEAT, black, homogenous, moist, medium plasticity, stiff, with inclusions of organic material	M	TP02_1.75-1.85	No staining or asbestos, sulfidic odours. QA/QC04 taken from 1.75-1.85 m
	2					TP02_2.00-2.10	
	2.2					TP02_2.25-2.35	
	2.4						
	2.6		PT	Natural - PEAT, black, homogenous, saturated, high plasticity, very soft, with inclusions of organic material	S	TP02_2.50-2.60	No staining or asbestos, sulfidic odours. QA/QC05 taken from 2.5-2.6 m
	2.8					TP02_2.75-2.85	
	3					TP02_3.00-3.10	
	3.2					TP02_3.25-3.35	
	3.4		SW	Natural - SAND, light brown, homogenous, saturated, fine sand loose, with water in based of hole at ~3.0 m (no sheen, brown colour)	S	TP02_3.40-3.50	No odour, staining, or asbestos
	3.6			Termination Depth at: 3.50 m.			End of hole @ 3.5 mbgs, programmed depth
	3.8						

GROUNDWATER WELL BH01A

PROJECT NUMBER 59618	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 26-Apr-22	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** GeoProbe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Push Tube	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**TOTAL DEPTH** 8 m bgl	**COORD SOURCE**
	DIAMETER 100 mm	**LOGGED BY** LR
COMPLETION Roadbox	**CASING** Class 18 PVC - 50mm	**SCREEN INTERVAL** 1.4 - 4.4 m bgl

COMMENTS



Drilling Method	Depth (m bgl)	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
PT	0.2	Fill	Fill - silty SAND, brown/orange, heterogeneous, moist, loose, inclusions of gravel	M	BH01A_0.00-0.60	No odour, staining, or asbestos
	0.4				BH01A_0.30-0.40	
	0.6	Fill	Fill - coarse SAND, red/orange, heterogeneous, dry, loose	DR	BH01A_0.50-0.60	No odour, staining, or asbestos
	0.8	Fill	Fill - fine SAND, brown/beige, heterogeneous, dry, loose	DR	BH01A_0.60-1.10	No odour, staining, or asbestos
	1				BH01A_0.70-0.80	
	1.2	PT	Natural - PEAT, black, heterogeneous, moist, medium plasticity, soft, inclusions of organic matter	M	BH01A_1.10-1.20	No staining, asbestos, or hydrocarbon odours, sulfidic odours
	1.4				BH01A_1.30-1.40	
	1.6				BH01A_1.60-1.70	
	1.8				BH01A_1.90-2.00	
	2				BH01A_2.10-2.20	
	2.2				BH01A_2.40-2.50	
	2.4					
	2.6	SP	Natural - fine SAND, beige, homogeneous, wet, medium dense	W	BH01A_2.70-2.80	No odour, staining, or asbestos
	2.8				BH01A_2.90-3.00	
	3				BH01A_3.10-3.20	
	3.2				BH01A_3.40-3.50	
	3.4				BH01A_3.70-3.80	
	3.6				BH01A_4.00-4.10	
	3.8					
	4					

GROUNDWATER WELL BH01A

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
PT			4.2 4.4 4.6 4.8 5 5.2 5.4 5.6 5.8 6 6.2 6.4 6.6 6.8 7 7.2 7.4 7.6 7.8 8					BH01A_4.10-4.20 BH01A_4.40-4.50 BH01A_4.70-4.80 BH01A_5.00-5.10 BH01A_5.20-5.30 BH01A_5.50-5.60 BH01A_5.80-5.90 BH01A_6.10-6.20 BH01A_6.40-6.50 BH01A_6.70-6.80 BH01A_7.00-7.10 BH01A_7.20-7.30 BH01A_7.40-7.50 BH01A_7.70-7.80 BH01A_7.90-8.00	
			8.2 8.4 8.6 8.8			Termination Depth at: 8.00 m.			

GROUNDWATER WELL BH02A

PROJECT NUMBER 59618	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 26-Apr-22	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** GeoProbe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Push Tube	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**TOTAL DEPTH** 8 m bgl	**COORD SOURCE**
	DIAMETER 100 mm	**LOGGED BY** LR
COMPLETION Roadbox	**CASING** Class 18 PVC - 50mm	**SCREEN INTERVAL** 1.4 - 4.4 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
PT			0.2		Fill	Fill - gravelly SAND, brown/grey, heterogeneous, moist, loose, inclusions of bricks and roots	M	BH02A_0.00-0.50	No odour, staining, or asbestos
			0.4					BH02A_0.30-0.40	
								BH02A_0.40-1.00	
			0.6		Fill	Fill - SAND, brown/beige, heterogeneous, moist, loose	M	BH02A_0.50-1.00	No odour, staining, or asbestos
								BH02A_0.60-0.70	
			0.8		Fill	Fill - coarse SAND, red/orange, heterogeneous, dry, loose	DR		No odour, staining, or asbestos
	▽		1		PT	Natural - PEAT, black, heterogeneous, moist, medium plasticity, soft, inclusions of organic matter	M		No staining, asbestos, or hydrocarbon odours, sulfidic odours
			1.2					BH02A_1.20-1.30	
			1.4						
								BH02A_1.50-1.60	
			1.6						
			1.8					BH02A_1.70-1.80	
								BH02A_1.80-1.90	
			2						
			2.2					BH02A_2.20-2.30	
			2.4						
								BH02A_2.50-2.60	
			2.6		SP	Natural - fine SAND, beige, homogeneous, wet, medium dense	W		No odour, staining, or asbestos
			2.8					BH02A_2.70-2.80	
			3					BH02A_2.90-3.00	
			3.2					BH02A_3.20-3.30	
			3.4						
								BH02A_3.50-3.60	
			3.6						
			3.8					BH02A_3.80-3.90	
			4					BH02A_3.90-4.00	

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GROUNDWATER WELL BH02A

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
			4.2 4.4 4.6 4.8 5 5.2 5.4 5.6 5.8 6 6.2 6.4 6.6 6.8 7 7.2 7.4 7.6 7.8 8					BH02A_4.10-4.20 BH02A_4.30-4.40 BH02A_4.40-4.50 BH02A_4.70-4.80 BH02A_5.00-5.10 BH02A_5.30-5.40 BH02A_5.60-5.70 BH02A_5.90-6.00 BH02A_6.20-6.30 BH02A_6.30-6.40 BH02A_6.50-6.60 BH02A_6.80-6.90 BH02A_7.90-8.00	Push tube failure, no sample from 7.0-7.9 mbgs.
			8.2 8.4 8.6 8.8 9			Termination Depth at: 8.00 m.			

GROUNDWATER WELL BH03A

PROJECT NUMBER 59618	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 26-Apr-22	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** GeoProbe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Push Tube	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**TOTAL DEPTH** 8 m bgl	**COORD SOURCE**
	DIAMETER 100 mm	**LOGGED BY** LR
COMPLETION Roadbox	**CASING** Class 18 PVC - 50mm	**SCREEN INTERVAL** 1.4 - 5.4 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
PT			0.2		Fill	Fill - silty SAND, brown, heterogeneous, moist, loose, inclusions of gravel and roots	M	BH03A_0.00-0.50	No odour, staining, or asbestos
			0.4					BH03A_0.30-0.40	
			0.6		Fill	Fill - SAND, bright red, heterogeneous, dry, loose	DR	BH03A_0.50-1.00	No odour, staining, or asbestos
			0.8		Fill	Fill - SAND, grey/beige, heterogeneous, moist, loose	M	BH03A_0.60-0.70	No odour, staining, or asbestos
			1					BH03A_0.90-1.00	
			1.2		PT	Natural - PEAT, black, heterogeneous, moist, medium plasticity, soft, inclusions of organic matter	M	BH03A_1.00-1.10	No staining, asbestos, or hydrocarbon odours, sulfidic odours
			1.4					BH03A_1.30-1.40	
			1.6					BH03A_1.60-1.70	
	▽		1.8		SP	Natural - SAND, grey/beige, heterogeneous, moist, loose	M		No odour, staining, or asbestos
			2					BH03A_1.90-2.00	
			2.2					BH03A_2.30-2.40	
			2.4		PT	Natural - PEAT, black, heterogeneous, moist, medium plasticity, soft, inclusions of organic matter	M		No staining, asbestos, or hydrocarbon odours, sulfidic odours
			2.6					BH03A_2.60-2.70	
			2.8					BH03A_2.90-3.00	
			3					BH03A_3.10-3.20	
			3.2					BH03A_3.40-3.50	
	▽		3.4		SP	Natural - fine SAND, beige, homogeneous, wet, medium dense	W		No odour, staining, or asbestos
			3.6					BH03A_3.70-3.80	
			3.8					BH03A_3.90-4.00	
			4						

GROUNDWATER WELL BH03A

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
			4.2					BH03A_4.20-4.30	
			4.4					BH03A_4.30-4.40	
			4.6					BH03A_4.60-4.70	
			4.8					BH03A_4.90-5.00	
			5					BH03A_5.00-5.10	
			5.2					BH03A_5.30-5.40	
			5.4					BH03A_5.60-5.70	
			5.6					BH03A_5.90-6.00	
			5.8					BH03A_6.00-6.10	
			6					BH03A_6.30-6.40	
			6.2						No staining, asbestos, or hydrocarbon odours, sulfidic odours
			6.4		PT	Natural - PEAT, black, heterogeneous, moist, medium plasticity, soft, inclusions of organic matter	M	BH03A_6.60-6.70	
			6.6		SP	Natural - fine SAND, beige, homogeneous, moist, medium dense	M	BH03A_6.90-7.00	No odour, staining, or asbestos
			6.8					BH03A_7.00-7.10	
			7					BH03A_7.30-7.40	
			7.2						
			7.4						
			7.6						
			7.8						
			8			Termination Depth at: 8.00 m.			
			8.2						
			8.4						
			8.6						
			8.8						
			9						

GROUNDWATER WELL BH04A

PROJECT NUMBER 59618	**DRILLING COMPANY** Numac	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 26-Apr-22	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** GeoProbe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Push Tube	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**TOTAL DEPTH** 8 m bgl	**COORD SOURCE**
	DIAMETER 100 mm	**LOGGED BY** MD
COMPLETION Roadbox	**CASING** Class 18 PVC - 50mm	**SCREEN INTERVAL** 1.5 - 4.5 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
PT			0.2		Fill	Fill - fine SAND, brown/beige, heterogeneous, damp, loose, inclusions of grass/roots, concrete, bricks, and scrap metal	DP	BH04A_0.00-1.00	No odour, staining, or asbestos
			0.4					BH04A_0.25-0.35	
			0.6					BH04A_0.50-5.60	
			0.8					BH04A_0.75-0.85	
	▽		1		Fill	Fill - fine SAND, brown, heterogeneous, damp, loose, inclusions of grass/roots, concrete, bricks, and scrap metal	DP	BH04A_1.00-1.70	No odour, staining, or asbestos
			1.2		Fill	Fill - fine SAND, dark brown, heterogeneous, damp, loose, root zone, inclusions of concrete, bricks, and scrap metal	DP	BH04A_1.25-1.35	No odour, staining, or asbestos
			1.4		Fill	Fill - fine SAND, brown, heterogeneous, damp, loose, inclusions of grass/roots, concrete, bricks, and scrap metal	DP	BH04A_1.50-1.60	No odour, staining, or asbestos
			1.6						
			1.8		PT	Natural - PEAT, dark brown, heterogeneous, moist, medium plasticity, very soft, inclusions of organic matter	M		No staining, asbestos, or hydrocarbon odours, sulfidic odours
			2					BH04A_2.00-2.10	
			2.2						
			2.4					BH04A_2.25-2.35	
			2.6						
			2.8		PT	Natural - PEAT, dark brown, heterogeneous, wet, high plasticity, very soft, inclusions of organic matter	W	BH04A_2.75-2.85	No staining, asbestos, or hydrocarbon odours, sulfidic odours
			3					BH04A_3.00-3.10	
			3.2					BH04A_3.25-3.35	
			3.4		SP	Natural - fine SAND, beige/light brown, homogeneous, wet, medium dense	W		No odour, staining, or asbestos
			3.6					BH04A_3.50-3.60	
			3.8					BH04A_3.75-3.85	
			4					BH04A_4.00-4.10	

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Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
			4.2						
			4.4					BH04A_4.25-4.35	
			4.6					BH04A_4.50-4.60	
			4.8					BH04A_4.75-4.85	
			5					BH04A_5.00-5.10	
			5.2		SP	Natural - fine SAND, grey/beige, homogeneous, wet, medium dense	W	BH04A_5.25-5.35	No odour, staining, or asbestos
			5.4					BH04A_5.50-5.60	
			5.6					BH04A_5.75-5.85	
			5.8					BH04A_6.00-6.10	
			6						
			6.2		SP	Natural - fine SAND, dark brown, homogeneous, saturated, medium dense	S	BH04A_6.25-6.35	No odour, staining, or asbestos
SFA			6.4					BH04A_6.50-6.60	
			6.6					BH04A_6.75-6.85	
			6.8					BH04A_7.00-7.10	
			7					BH04A_7.25-7.35	
			7.2					BH04A_7.50-7.60	
			7.4					BH04A_7.75-7.85	
			7.6					BH04A_7.90-8.00	
			7.8						
			8			Termination Depth at: 8.00 m.			
			8.2						
			8.4						
			8.6						
			8.8						
			9						

GROUNDWATER WELL BH05A

PROJECT NUMBER 59618	**DRILLING COMPANY** Numac	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 26-Apr-22	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** GeoProbe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Push Tube	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**TOTAL DEPTH** 8 m bgl	**COORD SOURCE**
	DIAMETER 100 mm	**LOGGED BY** MD
COMPLETION Roadbox	**CASING** Class 18 PVC - 50mm	**SCREEN INTERVAL** 2 - 5 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
PT	▽		0.2		Fill	Fill - fine SAND, brown/beige, heterogeneous, damp, medium dense, inclusions of brick fragments, gravel and concrete	DP	BH05A_0.00-1.00	No odour, staining, or asbestos
			0.4					BH05A_0.25-0.35	
			0.6					BH05A_0.50-0.60	
			0.8					BH05A_0.75-0.85	
			1		Fill	Fill - fine SAND, brown, heterogeneous, damp, medium dense, inclusions of brick fragments, gravel, concrete, ash and slag	DP		No odour, staining, or asbestos
			1.2		Fill	Fill - fine SAND, brown, heterogeneous, damp, medium dense, inclusions of brick fragments, gravel and concrete	DP	BH05A_1.00-1.60	No odour, staining, or asbestos
			1.4		Fill	Fill - fine SAND, beige, heterogeneous, damp, medium dense, inclusions of brick fragments, gravel, concrete, ash and slag	DP	BH05A_1.25-1.35	No odour, staining, or asbestos
			1.6					BH05A_1.50-1.60	
			1.8		PT	Natural - PEAT, black/dark brown, heterogeneous, moist, medium plasticity, very soft, inclusions of organic matter	M	BH05A_1.75-1.85	No staining, asbestos, or hydrocarbon odours, sulfidic odours
			2					BH05A_2.00-2.10	
			2.2					BH05A_2.25-2.35	
			2.4						
			2.6		PT	Natural - PEAT, black/dark brown, heterogeneous, moist, medium plasticity, very soft, inclusions of organic matter and rocks	M	BH05A_2.50-2.60	No staining, asbestos, or hydrocarbon odours, sulfidic odours
			2.8					BH05A_2.75-2.85	
			3		PT	Natural - PEAT, black/dark brown, heterogeneous, wet, high plasticity, very soft, inclusions of organic matter	W	BH05A_3.00-3.10	No staining, asbestos, or hydrocarbon odours, sulfidic odours
			3.2					BH05A_3.25-3.35	
			3.4					BH05A_3.50-3.60	
			3.6					BH05A_3.75-3.85	
			3.8		SP	Natural - fine SAND, beige/light brown, homogeneous, wet, medium dense	W	BH05A_4.00-4.10	No odour, staining, or asbestos
			4						

GROUNDWATER WELL BH05A

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
			4.2						
			4.4					BH05A_4.25-4.35	
			4.6					BH05A_4.50-4.60	
			4.8					BH05A_4.75-4.85	
			5		SP	Natural - fine SAND, grey/brown, homogeneous, saturated, dense	S	BH05A_5.00-5.10	No odour, staining, or asbestos
			5.2					BH05A_5.25-5.35	
			5.4					BH05A_5.50-5.60	
			5.6					BH05A_5.75-5.85	
SFA			5.8					BH05A_6.00-6.10	
			6					BH05A_6.25-6.35	
			6.2						
			6.4		SP	Natural - fine SAND, dark brown, homogeneous, wet, medium dense	W	BH05A_6.50-6.60	No odour, staining, or asbestos
			6.6					BH05A_6.75-6.85	
			6.8					BH05A_7.00-7.10	
			7					BH05A_7.25-7.35	
			7.2					BH05A_7.50-7.60	
			7.4					BH05A_7.75-7.85	
			7.6					BH05A_7.90-8.00	
			7.8						
			8			Termination Depth at: 8.00 m.			
			8.2						
			8.4						
			8.6						
			8.8						
			9						

GROUNDWATER WELL BH06A

PROJECT NUMBER 59618	**DRILLING COMPANY** Numac	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 26-Apr-22	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** GeoProbe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Push Tube	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**TOTAL DEPTH** 8 m bgl	**COORD SOURCE**
	DIAMETER 100 mm	**LOGGED BY** MD
COMPLETION Roadbox	**CASING** Class 18 PVC - 50mm	**SCREEN INTERVAL** 1.4 - 4.9 m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
PT	▽		0.2		Fill	Fill - fine SAND, brown/beige, heterogeneous, damp, loose, inclusions of brick, concrete and roots	DP	BH06A_0.00-1.00	No odour, staining, or asbestos
			0.4					BH06A_0.25-0.35	
			0.6					BH06A_0.50-0.60	
			0.8					BH06A_0.75-0.85	
			1		Fill	Fill - fine SAND, grey, heterogeneous, damp, loose, inclusions of brick, concrete, roots, and slag	DP	BH06A_1.00-1.60	No odour, staining, or asbestos
			1.2						
			1.4						
			1.6		PT	Natural - PEAT, black/dark brown, heterogeneous, moist, medium plasticity, soft, inclusions of organic matter	M		No staining, asbestos, or hydrocarbon odours, sulfidic odours
			1.8					BH06A_1.75-1.85	
			2					BH06A_2.00-2.10	
			2.2		PT	Natural - PEAT, black/dark brown, heterogeneous, moist, medium plasticity, soft, inclusions of organic matter and roots	M	BH06A_2.25-2.35	No staining, asbestos, or hydrocarbon odours, sulfidic odours
			2.4		PT	Natural - PEAT, black/dark brown, heterogeneous, wet, high plasticity, soft, inclusions of organic matter	W		No staining, asbestos, or hydrocarbon odours, sulfidic odours
			2.6						
			2.8						
			3		SP	Natural - fine SAND, brown/beige, homogeneous, wet, medium dense	W	BH06A_3.00-3.10	No odour, staining, or asbestos
			3.2						
			3.4					BH06A_3.25-3.35	
			3.6					BH06A_3.50-3.60	
			3.8					BH06A_3.75-3.85	
			4					BH06A_4.00-4.10	

GROUNDWATER WELL BH06A

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
			4.2						
								BH06A_4.25-4.35	
			4.4						
								BH06A_4.50-4.60	
			4.6						
								BH06A_4.75-4.85	
			4.8		SP	Natural - fine SAND, grey/brown, homogeneous, wet, medium dense	W		No odour, staining, or asbestos
								BH06A_5.00-5.10	
			5						
								BH06A_5.25-5.35	
			5.2						
								BH06A_5.50-5.60	
			5.4		SP	Natural - fine SAND, brown, homogeneous, saturated, dense	S		No odour, staining, or asbestos
								BH06A_5.75-5.85	
			5.6						
								BH06A_6.00-6.10	
			5.8						
								BH06A_6.25-6.35	
			6						
								BH06A_6.50-6.60	
			6.2						
								BH06A_6.75-6.85	
			6.4						
								BH06A_7.00-7.10	
			6.6						
								BH06A_7.25-7.35	
			6.8						
								BH06A_7.50-7.60	
			7						
								BH06A_7.75-7.85	
			7.2						
								BH06A_7.90-8.00	
			7.4						
SFA									
			7.6						
			7.8						
			8			Termination Depth at: 8.00 m.			
			8.2						
			8.4						
			8.6						
			8.8						
			9						

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GROUNDWATER WELL BH10

PROJECT NUMBER 59618	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 17-Sep-20	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Push Tube	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**TOTAL DEPTH** 6.2 m bgl	**COORD SOURCE** Map Approximation
	DIAMETER 50 mm	**LOGGED BY** MN
COMPLETION	**CASING**	**SCREEN INTERVAL** - m bgl
COMMENTS		

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
PT			0.5		Fill	Sand, beige/brown, dry, heterogeneous, fine sand, loose, with inclusions of brick fragments, gravel, tile, sandstone and roots.		BH10 0.2-0.3	No odour, staining or ACM observed.
			1					BH10 0.7-0.8	No odour, staining or ACM observed.
			1.5		PT	Peat, black, moist to wet, heterogeneous, high plasticity, very soft, with inclusions of organic matter.			
			2					BH10 2.0-2.1	Organic odour, no staining or ACM obrserved.
			2.5					BH10 3.0-3.1	Organic odour, no staining or ACM obrserved. QA/QC05 collected from BH10_3.0 (jar only).
			3						
			3.5						
			4		SW	Sand, beige turning grey at 5.5 m, wet, fine sand, medium dense turning dense at 5.5 m.		BH10 4.0-4.1	Organic odour, no staining or ACM obrserved.
			4.5						
			5					BH10 5.0-5.1	Organic odour, no staining or ACM obrserved.
			5.5						
			6					BH10 6.0-6.1	No odour, staining or ACM observed. End of hole at 6.2 m bgs. Programmed depth.
			6.5			Termination Depth at: 6.20 m.			
			7						
			7.5						
			8						

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GROUNDWATER WELL BH11

PROJECT NUMBER 59618	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 17-Sep-20	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Push Tube	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**TOTAL DEPTH** 8 m bgl	**COORD SOURCE** Map Approximation
	DIAMETER 50 mm	**LOGGED BY** MN
COMPLETION	**CASING**	**SCREEN INTERVAL** - m bgl
COMMENTS		

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
PT / SFA			0.5		Fill	Sand, brown, dry, heterogeneous, fine sand, loose, with inclusions of gravel, brock, tile and roots.		BH11 0.2-0.3	No odour, staining or ACM observed.
								BH11 0.7-0.8	No odour, staining or ACM observed.
			1		PT	Peat, black, moist, heterogeneous, high plasticity, very soft, with inclusions of organic matter.		BH11 1.0-1.1	Organic odour, no staining or ACM obrserved.
			1.5						
			2					BH11 2.0-2.1	Organic odour, no staining or ACM obrserved.
			2.5						
			3					BH11 3.0-3.1	Organic odour, no staining or ACM obrserved.
			3.5						
			4		SW	Sand, beige turning grey at 5.5 m then brown at 7 m, wet, homogeneous, fine sand, medium dense turning dense at 5.5 m.		BH11 4.0-4.1	Organic odour, no staining or ACM obrserved.
			4.5						
			5					BH11 5.0-5.1	Organic odour, no staining or ACM obrserved.
			5.5						
			6					BH11 6.0-6.1	Organic odour, no staining or ACM obrserved. QA/QC03 collected from BH11_6.0 (jar only).
SFA			6.5						
			7					BH11 7.0-7.1	Organic odour, no staining or ACM obrserved.
			7.5						
			8					BH11 7.9-8.0	No odour, staining or ACM observed. End of hole at 8.0 m bgs. Programmed depth.
						Termination Depth at: 8.00 m.			

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GROUNDWATER WELL BH12

PROJECT NUMBER 59618	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 17-Sep-20	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Push Tube	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**TOTAL DEPTH** 6.2 m bgl	**COORD SOURCE** Map Approximation
	DIAMETER 50 mm	**LOGGED BY** MN
COMPLETION	**CASING**	**SCREEN INTERVAL** - m bgl
COMMENTS		

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
PT			0.5		Fill	Sand, brown/beige, dry, heterogeneous, fine sand, loose, with inclusions of sandstone, brick, gravel and roots.		BH12 0.2-0.3	Organic odour, no staining or ACM obrserved.
								BH12 0.7-0.8	Organic odour, no staining or ACM obrserved.
			1		PT	Peat, black, moist to wet, heteorgeneous, high plasticity, soft, with inclusions of organic matter.		BH12 1.1-1.2	Organic odour, no staining or ACM obrserved.
			1.5						
			2					BH12 2.0-2.1	Organic odour, no staining or ACM obrserved.
			2.5						
			3		SW	Sand, beige/brown turning grey at 4.9 m, wet, homogenoeus, fine sand, medium dense turning dense at 4.9 m.		BH12 3.0-3.1	Organic odour, no staining or ACM obrserved.
			3.5						
			4					BH12 4.0-4.1	Organic odour, no staining or ACM obrserved.
			4.5						
			5					BH12 5.0-5.1	Organic odour, no staining or ACM obrserved.
			5.5						
			6					BH12 6.0-6.1	No odour, staining or ACM observed. End of hole at 6.2 m bgs. Programmed depth.
			6.5			Termination Depth at: 6.20 m.			
			7						
			7.5						
			8						

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GROUNDWATER WELL BH13

PROJECT NUMBER 59618	**DRILLING COMPANY** Terratest	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 17-Sep-20	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** Geoprobe	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Push Tube	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**TOTAL DEPTH** 8 m bgl	**COORD SOURCE** Map Approximation
	DIAMETER 50 mm	**LOGGED BY** MN

COMPLETION | **CASING** | **SCREEN INTERVAL** - m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
PT / SFA			0.5		Fill	Sand, beige/brown, dry, heterogeneous, fine sand, loose, with inclusions of gravel and roots.		BH13 0.2-0.3	Organic odour, no staining or ACM obsrerved.
			1					BH13 0.7-0.8	Organic odour, no staining or ACM obsrerved.
			1.5		PT	Peat, black, moist, heterogeneous, high plasticity, soft, with inclusions of organic matter.		BH13 1.2-1.3	Organic odour, no staining or ACM obsrerved.
			2					BH13 2.0-2.1	Organic odour, no staining or ACM obsrerved.
			2.5		SW	Sand, beige/brown turning grey at 5.0 m, wet, homogeneous, fine sand, medium dense turning dense at 5.0 m.		BH13 3.0-3.1	Organic odour, no staining or ACM obsrerved.
			3						
			3.5					BH13 4.0-4.1	Organic odour, no staining or ACM obsrerved.
			4						
			4.5					BH13 5.0-5.1	Organic odour, no staining or ACM obsrerved.
			5						
			5.5					BH13 6.0-6.1	Organic odour, no staining or ACM obsrerved.
			6						
SFA			6.5					BH13 7.0-7.1	Organic odour, no staining or ACM obsrerved.
			7						
			7.5					BH13 7.9-8.0	No odour, staining or ACM observed. End of hole at 8.0 m bgs. Programmed depth.
			8			Termination Depth at: 8.00 m.			

GROUNDWATER WELL TP01

PROJECT NUMBER 59618	**DRILLING COMPANY** Ken Coles	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 28-Apr-22	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** Excavator	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Bucket excavation	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**TOTAL DEPTH** 3.5 m bgl	**COORD SOURCE**
	DIAMETER 600 mm	**LOGGED BY** MD

COMPLETION | **CASING** | **SCREEN INTERVAL** - m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
Test Pit			0.5		Fill	Fill - SAND, brown, heterogeneous, damp, fine sand loose, with inclusions of brick, tiles, sandstone, gravel, concrete, and plastic	DP	TP01_0.00-0.60 TP01_0.25-0.35 TP01_0.50-0.60	No odour, staining, or asbestos. 10 L AQ from 0.0-0.6 m
			1			Fill - SAND, grey/brown, heterogeneous, damp, fine sand loose, with inclusions of brick, tiles, sandstone, gravel, concrete, and plastic	DP	TP01_0.60-1.40 TP01_0.75-0.85 TP01_1.00-1.10 TP01_1.25-1.35	No odour, staining, or asbestos.10 L AQ from 0.6-1.4 m. QA/QC08 taken from 1.25-1.35 m.
Test Pit			1.5 2 2.5 3		PT	Natural - PEAT, black, homogenous, moist, medium plasticity, firm, with inclusions of organic material	M	TP01_1.50-1.60 TP01_1.75-1.85 TP01_2.00-2.10 TP01_2.25-2.35 TP01_2.50-2.60 TP01_2.75-2.85 TP01_3.00-3.10	No staining or asbestos, sulfidic odours. QA/QC06 taken from 3.0-3.1 m
Test Pit			3.5		SW	Natural - SAND, grey/brown, homogenous, wet, fine sand medium dense, water in hole to 2.0 m (no sheen, brown colour)	W	TP01_3.25-3.35 TP01_3.40-3.50	No odour, staining, or asbestos. QA/QC07 taken from 3.4-3.5 m
			4 4.5 5 5.5 6 6.5 7 7.5 8 8.5 9 9.5			Termination Depth at: 3.50 m.			End of hole @ 3.5 mbgs, programmed depth

GROUNDWATER WELL TP02

PROJECT NUMBER 59618	**DRILLING COMPANY** Ken Coles	**EASTING** N/A
PROJECT NAME Contamination Advice Redfern	**DRILLING DATE** 28-Apr-22	**NORTHING** N/A
CLIENT LAHC	**DRILL RIG** Excavator	**ELEVATION** N/A
PERMIT NO. N/A	**DRILLING METHOD** Bucket excavation	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 600-660 Elizabeth Street, Redfern NSW	**TOTAL DEPTH** 3.5 m bgl	**COORD SOURCE**
	DIAMETER 600 mm	**LOGGED BY** JM

COMPLETION | **CASING** | **SCREEN INTERVAL** - m bgl

COMMENTS

Drilling Method	Water (m bgl)	Well Details	Depth (m bgl)	Graphic Log	Lithological Class	Lithological Description	Moisture	Samples	Additional Observations
Test Pit			0.5		Fill	Fill - SAND, grey/brown, heterogeneous, damp, fine sand loose, with inclusions of brick, glass, metal, sandstone, concrete, and slag	DP	TP02_0.00-0.90 TP02_0.25-0.35 TP02_0.50-0.60 TP02_0.75-0.85	No odour, staining, or asbestos. 10 L AQ from 0.0-0.9 m
			1					TP02_1.00-1.10 TP02_1.25-1.35 TP02_1.50-1.60	No odour, staining, or asbestos. 10 L AQ from 0.9-1.6 m
Test Pit			1.5		PT	Natural - PEAT, black, homogenous, moist, medium plasticity, stiff, with inclusions of organic material	M	TP02_1.75-1.85 TP02_2.00-2.10 TP02_2.25-2.35	No staining or asbestos, sulfidic odours. QA/QC04 taken from 1.75-1.85 m
Test Pit			2					TP02_2.50-2.60	
			2.5		PT	Natural - PEAT, black, homogenous, saturated, high plasticity, very soft, with inclusions of organic material	S	TP02_2.75-2.85 TP02_3.00-3.10 TP02_3.25-3.35	No staining or asbestos, sulfidic odours. QA/QC05 taken from 2.5-2.6 m
Test Pit			3						
			3.5		SW	Natural - SAND, light brown, homogenous, saturated, fine sand loose, with water in based of hole at ~3.0 m (no sheen, brown colour)	S	TP02_3.40-3.50	No odour, staining, or asbestos
			4			Termination Depth at: 3.50 m.			End of hole @ 3.5 mbgs, programmed depth
			4.5						
			5						
			5.5						
			6						
			6.5						
			7						
			7.5						
			8						
			8.5						
			9						
			9.5						

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ENVIRONMENTAL BOREHOLE BH01

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 27/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334226.9 N6248047.6
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0	0.6	BH01_0.1	Y		SP	FILL: SAND; medium to course grain, light brown, minor organics, trace brick fragments, very loose, very dry, no odour or staining.
	0.5	0.2	BH01_0.5	Y			Colour change to light grey
	1	0.3	BH01_1.0			Pt	Sandy PEAT; medium to high plasticity, dark grey to black, with organics (20%), medium dense, dry to moist, no odour or staining.
Direct push tube	1.5						
	2	2.5	BH01_2.0				
	2.5	0.5	BH01_2.5	Y			
	3						End of investigation at 2.5 m (target depth).

ENVIRONMENTAL BOREHOLE BH02

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 27/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334224.9 N6248059.4
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0	0	BH02_0.1	Y		SM	FILL: Silty SAND; Fine to course grain, brown, trace roots and mortar fragments, medium dense, dry, no odour or staining.
	0.5	0.2	BH02_0.5	Y			Sandstone fragments from 0.5 to 1.4m.
	1	0.2					
	1.5					SC	Clayey SAND; fine grain, dark brown, minor roots, dry, dense, no odour or staining.
Direct push tube		1.0	BH02_1.5			Pt	PEAT; medium plasticity, black, organics (50%), firm, moist, no odour or staining.
	2						
	2.5	6.5	BH02_2.5, QC100	Y			
							End of investigation at 2.5 m (target depth).
	3						

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ENVIRONMENTAL BOREHOLE BH03

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 27/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334225.5 N6248029.3
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0.5	0.0	BH03_0.1			SM	FILL: Silty SAND; grey to brown, fine to medium grain, minor organics, trace brick fragments, very loose, dry, no odour or staining.
		0.1	BH03_0.5	Y			
	1						
	1.5	1.1	BH03_1.5	Y		Pt	PEAT; medium plasticity, black, organics (50%), firm, moist, no odour or staining.
Push tube	2						
	2.5	1.0	BH03_2.5	Y			
							End of investigation at 2.5 m (target depth).
	3						

ENVIRONMENTAL BOREHOLE BH04

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 27/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334216.0 N6248017.4
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0.5	0.2	BH04_0.1	Y		SP	FILL: SAND; medium grain, brown, minor brick fragments, loose, dry, no odour or staining.
	1	0.1	BH04_0.5	Y			Becoming clayey Colour change to dark grey
Push tube	1.5	0.3	BH04_1.5	Y		Pt	PEAT; medium plasticity, black, organics (50%), firm, moist, no odour or staining.
	2	0.1	BH04_2.5				
	2.5						End of investigation at 2.5 m (target depth).
	3						

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ENVIRONMENTAL BOREHOLE BH05

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 27/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334223.0 N6248000.7
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0.5	0.4	BH05_0.1	Y		SP	FILL: SAND; medium grain, brown to grey, trace ceramic and brick fragments, loose, dry, no odour or staining.
		0.2	BH05_0.5				
	1	0.1	BH05_0.9	Y			Becoming dense to medium dense Colour change to dark grey to brown Trace shale fragments
Push tube	1.5	0.2	BH05_1.2	Y		Pt	PEAT; medium plasticity, black, organics (50%), firm, moist, no odour or staining.
	2						
	2.5	0.2	BH05_2.5				End of investigation at 2.5 m (target depth).
	3						

ENVIRONMENTAL BOREHOLE BH06

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 27/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334214.5 N6247980.2
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0.5	0.1	BH06_0.1	Y		SP	FILL: SAND; fine to medium grain, grey to brown, minor ceramic and stone fragments, very loose, dry, no odour or staining. Minor woodchips from 0-0.5m.
		0.0	BH06_0.5	Y			
	1						
		0.3	BH06_1.2			Pt	PEAT; medium plasticity, black, organics (50%), firm, moist, no odour or staining.
Push tube	1.5						
	2	4.0	BH06_2.2	Y			
	2.5						End of investigation at 2.5 m (target depth).
	3						

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ENVIRONMENTAL BOREHOLE BH07

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 27/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334264.6 N6247970.7
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0	0.0	BH07_0.1	Y		SP	FILL: SAND; medium grain, brown, minor gravel and brick fragments, loose, dry, no odour or staining.
	0.5	0.2	BH07_0.5				
Push tube							Becoming medium dense
	1	0.1	BH07_0.9	Y		CL	Sandy CLAY; low plasticity, dark grey and light grey, medium grain sand, stiff, dry, no odour or staining.
		0.1	BH07_1.1	Y		SP	SAND; medium grain, light brown to grey
	1.5					Pt	PEAT; medium plasticity, black, organics (50%), firm, moist, no odour or staining.
	2	0.8	BH07_2.1				
	2.5						End of investigation at 2.5 m (target depth).
	3						

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ENVIRONMENTAL BOREHOLE BH08

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 27/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334274.2 N6248022.8
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0.5	0.2	BH08_0.1			SP	FILL: SAND; medium grain, brown, minor gravel and brick fragments, loose, dry, no odour or staining.
		1.1	BH08_0.5	Y			
	1	0.8	BH08_0.9			CL	Sandy CLAY; low plasticity, dark grey and light grey, medium grain sand, stiff, dry, no dour or staining.
		0.5	BH08_1.1	Y		SP	SAND; medium grain, light brown to grey
Push tube	1.5					Pt	PEAT; medium plasticity, black, organics (50%), firm, moist, no odour or staining.
	2	2.1	BH08_2.0, QC200	Y			Moist
	2.5						End of investigation at 2.5 m (target depth).
	3						

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ENVIRONMENTAL BOREHOLE BH09

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 27/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334279.1 N6248044.1
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0.5	1.2	BH09_0.1, QC101	Y		SP	FILL: SAND; fine to medium grain, grey to brown, minor gravel, brick and ceramic fragments, very loose, dry, no odour or staining.
		0.0	BH09_0.5	Y			Loose to medium dense
	1	0.7	BH09_1.0	Y		SP	SAND; fine to medium grain, dark grey, very dense, no odour or staining.
							Light grey, loose
Push tube	1.5	1.0	BH09_1.5			Pt	PEAT; medium plasticity, black, organics (50%), firm, moist, no odour or staining.
	2	1.1	BH09_2.5			SP	SAND: fine to medium grain, brown, loose, moist, no staining, slight sulfur odour.
	2.5						End of investigation at 2.5 m (target depth).
	3						

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ENVIRONMENTAL BOREHOLE BH10

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 28/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334269.4 N6247994.4
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0.5	0.4	BH10_0.1	Y		SP	FILL: SAND; fine to medium grain, dark brown, trace ceramic and brick fragments, trace organics, loose, dry, no odour or staining.
		0.4	BH10_0.5				Light brown
	1	0.9	BH10_1.0	Y		SC	FILL: Clayey SAND; fine to medium grain, dark grey to dark brown, medium to high plasticity clay, trace brick fragments, soft, dry, no odour or staining.
Push tube	1.5	1.0	BH10_1.5			Pt	PEAT; medium plasticity, black, organics (50%), minor sand (grey, medium grain), firm, moist, no odour or staining.
	2						
	2.5	0.6	BH10_2.5	Y			
	3						End of investigation at 2.5 m (target depth).

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ENVIRONMENTAL BOREHOLE BH12

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 28/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334257.7 N6248034.9
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0.5	0.2	BH12_0.1	Y		SP	FILL: SAND; fine to medium grain, dark brown, trace ceramic, brick and gravel fragments, trace organics, loose, dry, no odour or staining.
		0.6	BH12_0.5				
	1						
	1.5						
Push tube		0.9	BH12_1.5	Y		Pt	PEAT; medium plasticity, black, organics (50%), minor sand (grey, medium grain), firm, moist, no odour or staining.
	2						
	2.5	0.9	BH12_2.5	Y		SP	SAND; medium grain, light brown, loose, moist, no odour or staining.
							End of investigation at 2.5 m (target depth).
	3						

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ENVIRONMENTAL BOREHOLE BH13

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 28/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334265.3 N6247948.8
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger							Asphalt
			BH13_0.3	Y		SP	FILL: Gravelly SAND; medium grain, grey brown, no odour or staining.
	0.5	0.5	BH13_0.5	Y			Concrete fragments
	1						
	1.5	1.8	BH13_1.5	Y		Pt	PEAT; medium plasticity, black, organics (50%), minor sand (grey, medium grain), firm, moist, no odour or staining.
Push tube	2						
	2.5	4.1	BH13_2.5	Y			
	3						End of investigation at 3.0 m (target depth).

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ENVIRONMENTAL BOREHOLE BH14

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 28/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334243.2 N6247951.8
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger							Asphalt
		0.1	BH14_0.3	Y		SP	FILL: Gravelly SAND; medium grain, dark grey, no odour or staining.
	0.5						
	1	0.3	BH14_1.0	Y			
	1.5						
Push tube						Pt	PEAT; medium plasticity, black, organics (50%), minor sand (grey, medium grain), firm, moist to wet, no odour or staining.
	2	0.8	BH14_2.0				
	2.5						
		0.6	BH14_3.0	Y			
	3						End of investigation at 3.0 m (target depth).

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ENVIRONMENTAL BOREHOLE BH15

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 28/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334241.3 N6247918.2
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger							Asphalt
						SP	FILL: Gravelly SAND; medium to course grain, grey-brown, no odour or staining.
		0.2	BH15_0.2	Y			
	0.5	0.7	BH15_0.5				
	1						Minor clay, medium plasticity, red to light grey.
							Moist to wet
Push tube	1.5	10.4	BH15_1.5, QC201	Y		Pt	PEAT; medium plasticity, black, organics (50%), minor sand (grey, medium grain), firm, moist to wet, no odour or staining.
	2	9.6	BH15_2.5	Y			
	2.5						End of investigation at 2.5 m (target depth).
	3						

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ENVIRONMENTAL BOREHOLE BH16

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 28/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334241.8 N6247983.6
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0.5	0.3	BH16_0.1	Y		SP	FILL: SAND; medium grain, grey-brown, very loose, dry, no odour or staining.
		0.3	BH16_0.5				
	1	1.1	BH16_0.9	Y		SP	FILL: Sandy GRAVEL; sub angular, grey, brick fragments, loose, dry, no odour or staining.
	1.5	0.5	BH16_1.2			SP	SAND; fine to course grain, brown, minor roots, very dense, dry, no odour or staining.
Push tube	2	1.2	BH16_1.7	Y		Pt	PEAT; medium plasticity, black, organics (50%), minor sand (grey, medium grain), firm, moist to wet, no odour or staining.
							Moist
							Wet
	2.5	0.9	BH16_2.5				
	3						End of investigation at 2.5 m (target depth).

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ENVIRONMENTAL BOREHOLE BH17

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 28/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS Unable to locate BH17 for survey.

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0	0.0	BH17_0.1	Y		SP	FILL: SAND; medium grain, brown-grey, trace brick and glass fragments, medium dense, dry, no odour or staining.
	0.5	0.1	BH17_0.5	Y			
	1	0.1					Becoming very dense, minor roots, trace brick fragments
Push tube	1.5	0.9	BH17_1.5			Pt	PEAT; medium plasticity, black, organics (50%), minor sand (grey, medium grain), firm, moist to wet, no odour or staining.
							Moist
	2						Wet
		1.0	BH17_2.5	Y			
	2.5						End of investigation at 2.5 m (target depth).
	3						

ENVIRONMENTAL BOREHOLE BH18

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 28/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334259.1 N6248019.4
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0	0.0	BH18_0.1	Y		SP	FILL: SAND; medium grain, brown-grey, trace brick and glass fragments, loose, dry, no odour or staining.
	0.5	0.0	BH18_0.5	Y			
	1						Medium dense with brick fragments
Push tube	1.5					Pt	PEAT; medium plasticity, black, organics (50%), minor sand (grey, medium grain), firm, moist to wet, no odour or staining.
	2	0.0	BH18_1.8				Moist
	2.5						
		0.0	BH18_2.8	Y		SP	SAND: medium grain, dark brown, loose, medium dense, moist, no odour or staining.
	3						End of investigation at 2.8 m (target depth).

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ENVIRONMENTAL BOREHOLE BH19

PROJECT NUMBER J190730
PROJECT NAME DSI
CLIENT Land and Housing Corporation
ADDRESS 600-660 Elizabeth Street, Redfern

DRILLING DATE 28/11/2019
DRILLING CONTRACTOR Matrix Drilling
DRILLING METHOD Push tube

COORDINATES E334204.9 N6247957.7
LOGGED BY L Lewis
CHECKED BY A Tennant

COMMENTS

Method	Depth (m)	PID (ppm)	Samples	Analysed?	Graphic Log	USCS	Material Description
Hand auger	0	0.0	BH19_0.1			SP	FILL: Silty SAND; dark brown, trace roots, trace brick fragments, medium dense, loose, dry, no odour or staining.
	0.5	0.0	BH19_0.5, QC102	Y			Large brick fragments (70mm)
	1		BH19_1.0				Glass fragments Dense
Push tube	1.5	2.5	BH19_1.5	Y		Pt	PEAT; medium plasticity, black, organics (50%), minor sand (grey, medium grain), firm, moist to wet, no odour or staining.
	2	0.5	BH19_2.5	Y			Moist
	2.5						End of investigation at 2.5 m (target depth).
	3						

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MONITORING WELL MW11

PROJECT NUMBER J190730	**DRILLING DATE** 28/11/19-29/11/19	**COORDINATES** E334259.6 N6248055.4
PROJECT NAME DSI	**DRILLING METHOD** Hollow-stem auger	**LOGGED BY** L Lewis
CLIENT Land and Housing Corporation	**DRILLING CONTRACTOR** Matrix Drilling	**CHECKED BY** A Tennant
ADDRESS 600-660 Elizabeth Street, Redfern	**DIAMETER** 50 mm	**SCREEN** uPVC Factory Slotted, 1.5 to 4.5 m bgs
	CASING uPVC	**SURFACE LEVEL** 30.38 mAHD

COMMENTS Top of Pipe - 30.30 mAHD, flush well head

PID (ppm)	Samples	Analysed	Depth (m)	Graphic Log	USCS	Material Description	Well Diagram
0.2	MW11_0.1		0.2		SP	FILL: SAND; fine to medium grain, dark brown, trace ceramic and brick fragments, trace organics, loose, dry, no odour or staining.	concrete cement grout
0.4	MW11_0.5	Y	0.4				
			0.6				bentonite
			0.8				
			1				
			1.2			FILL: Clayey SAND; fine to medium grain, dark brown and grey, trace ceramic fragments, medium dense, dry, no odour or staining.	
0.4	MW11_1.2		1.4		SC	▽1.2 Stabilised water level	
			1.6				
			1.8				
			2				
0.5	MW11_2.1		2.2		CL	Sandy CLAY; medium plasticity, black, fine to medium grain sand, soft, dry, no odour or staining.	
			2.4			▽1 Waterstrike	
			2.6				
			2.8				filter pack (1-2 mm)
			3				
			3.2				
			3.4				
0.7	MW11_3.5	Y	3.6		SC	Clayey SAND; fine to medium grain, black, no odour or staining.	
			3.8				
			4				
			4.2				
			4.4				
			4.6				
			4.8				bore collapse
1.1	MW11_5.0	Y	5				
			5.2			End of investigation at 5.0 m (target depth).	

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MONITORING WELL MW20

PROJECT NUMBER J190730	**DRILLING DATE** 28/11/19	**COORDINATES** E334205.2 N6247944.6
PROJECT NAME DSI	**DRILLING METHOD** Hollow stem auger	**LOGGED BY** L Lewis
CLIENT Land and Housing Corporation	**DRILLING CONTRACTOR** Matrix drilling	**CHECKED BY** A Tennant
ADDRESS 600-660 Elizabeth Street, Redfern	**DIAMETER** 50 mm	**SCREEN** uPVC Factory Slotted, 1.5 to 4.5 m bgs
	CASING uPVC	**SURFACE LEVEL** 30.64 mAHD

COMMENTS Location at PCYC entrance. Top of pipe - 30.555 mAHD, flush well head.

PID (ppm)	Samples	Analysed	Depth (m)	Graphic Log	USCS	Material Description	Well Diagram
0.5	MW20_0.1		0.2		SP	FILL: SAND; fine to medium grain, grey to brown, with ceramic pipe fragments and glass fragments, very loose, dry, no odour or staining.	concrete cement grout
0.5	MW20_0.5	Y	0.4				
			0.6				bentonite
0.6	MW20_1.0		0.8				
			1				
			1.2				
			1.4			Dense	
			1.6				
			1.8			PEAT; medium plasticity, black, organics (50%), firm, moist, no odour or staining.	
1.0	MW20_1.8	Y	2		Pt	▽ 2 Stabilised water level	
			2.2			Moist	
			2.4			▽ 1 Waterstrike, wet	
			2.6				
			2.8				filter pack (1-2 mm)
1.6	MW20_2.8		3				
			3.2				
			3.4				
			3.6			Saturated, sticky	
			3.8				
1.5	MW20_4.0	Y	4				
			4.2				
			4.4				
			4.6			End of investigation at 4.5 m (target depth).	
			4.8				

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MONITORING WELL MW21

PROJECT NUMBER J190730	**DRILLING DATE** 29/11/19	**COORDINATES** E334265.8 N6247929.7
PROJECT NAME DSI	**DRILLING METHOD** Hollow stem auger	**LOGGED BY** L Lewis
CLIENT Land and Housing Corporation	**DRILLING CONTRACTOR** Matrix drilling	**CHECKED BY** A Tennant
ADDRESS 600-660 Elizabeth Street, Redfern	**DIAMETER** 50 mm	**SCREEN** uPVC Factory Slotted, 1.5 to 4.5 m bgs
	CASING uPVC	**SURFACE LEVEL** 30.215 mAHD

COMMENTS Location at basketball court. Top of pipe - 30.135 m AHD, flush well head.

PID (ppm)	Samples	Analysed	Depth (m)	Graphic Log	USCS	Material Description	Well Diagram
			0.2			Asphalt	concrete cement grout
12.7	MW21_0.3, QC202	Y	0.4		SP	FILL: Gravelly SAND; medium grain, brown, brick and mortar inclusions (30%), angular gravel, dry, loose to medium dense, no odour or staining.	bentonite
			1			▽1 Stabilised water level	
13.7	MW21_1.3, QC103, QC203	Y	1.4		Pt	PEAT; medium plasticity, black, organics (50%), firm, dry to moist, no odour or staining.	
			2.4			▽2 Waterstrike	
1.8	MW21_2.5		2.6				filter pack (1-2 mm)
1.9	MW21_4.4	Y	4.4			End of investigation at 4.4 m (target depth).	
			4.6				
			4.8				

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ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

Contact	Geisiane Torres
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	Geisiane.Torres @eiaustralia.com.au
Project	**E25947 600-660 Elizabeth St Red Fern**
Order Number	**E25947**
Samples	20

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE243060 R0**
Date Received	9/2/2023
Date Reported	20/2/2023

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

VPH/OCPCB/TRH/PAH/OP - The Limit of Reporting (LOR) has been raised due to high moisture content of the sample.
No respirable fibres detected in all soil samples using trace analysis technique.
Asbestos analysed by Approved Identifier Yusuf Kuthpudin and Ravee Sivasubramaniam

SIGNATORIES

Akheeqar BENIAMEEN
Chemist

Dong LIANG
Metals/Inorganics Team Leader

Kamrul AHSAN
Senior Chemist

Ravee SIVASUBRAMANIAM
Hygiene Team Leader

Shane MCDERMOTT
Inorganic/Metals Chemist

Teresa NGUYEN
Organic Chemist

VOC's in Soil [AN433] Tested: 14/2/2023

PARAMETER	UOM	LOR	TP401_1.9-2.0 SOIL - 6/2/2023 SE243060.001	TP402_1.9-2.0 SOIL - 6/2/2023 SE243060.002	TP403_1.9-2.0 SOIL - 6/2/2023 SE243060.003	TP404_1.9-2.0 SOIL - 6/2/2023 SE243060.004	TP405_1.9-2.0 SOIL - 6/2/2023 SE243060.005
Benzene	mg/kg	0.1	<0.5↑	<0.5↑	<0.2↑	<0.5↑	<0.5↑
Toluene	mg/kg	0.1	<0.5↑	<0.5↑	<0.2↑	<0.5↑	<0.5↑
Ethylbenzene	mg/kg	0.1	<0.5↑	<0.5↑	<0.2↑	<0.5↑	<0.5↑
m/p-xylene	mg/kg	0.2	<1.0↑	<1.0↑	<0.4↑	<1.0↑	<1.0↑
o-xylene	mg/kg	0.1	<0.5↑	<0.5↑	<0.2↑	<0.5↑	<0.5↑
Total Xylenes*	mg/kg	0.3	<1.5↑	<1.5↑	<0.6↑	<1.5↑	<1.5↑
Total BTEX*	mg/kg	0.6	<3.0↑	<3.0↑	<1.2↑	<3.0↑	<3.0↑
Naphthalene (VOC)*	mg/kg	0.1	<0.5↑	<0.5↑	<0.2↑	<0.5↑	<0.5↑

PARAMETER	UOM	LOR	TP406_1.9-2.0 SOIL - 6/2/2023 SE243060.006	TP407_1.9-2.0 SOIL - 6/2/2023 SE243060.007	TP48_1.9-2.0 SOIL - 6/2/2023 SE243060.008	TP409_1.9-2.0 SOIL - 6/2/2023 SE243060.009	TP410_1.9-2.0 SOIL - 6/2/2023 SE243060.010
Benzene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Toluene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Ethylbenzene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
m/p-xylene	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
o-xylene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Total Xylenes*	mg/kg	0.3	<1.5↑	<1.5↑	<1.5↑	<1.5↑	<0.3
Total BTEX*	mg/kg	0.6	<3.0↑	<3.0↑	<3.0↑	<3.0↑	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1

PARAMETER	UOM	LOR	TP411_1.9-2.0 SOIL - 6/2/2023 SE243060.011	TP412_1.9-2.0 SOIL - 6/2/2023 SE243060.012	TP413_1.9-2.0 SOIL - 6/2/2023 SE243060.013	TP414_1.9-2.0 SOIL - 6/2/2023 SE243060.014	TP415_1.9-2.0 SOIL - 6/2/2023 SE243060.015
Benzene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Toluene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Ethylbenzene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
m/p-xylene	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
o-xylene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Total Xylenes*	mg/kg	0.3	<0.3	<1.5↑	<0.3	<1.5↑	<1.5↑
Total BTEX*	mg/kg	0.6	<0.6	<3.0↑	<0.6	<3.0↑	<3.0↑
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑

PARAMETER	UOM	LOR	TP416_1.9-2.0 SOIL - 6/2/2023 SE243060.016	TP417_1.9-2.0 SOIL - 6/2/2023 SE243060.017	TP418_1.9-2.0 SOIL - 6/2/2023 SE243060.018	TP419_1.9-2.0 SOIL - 6/2/2023 SE243060.019	BH502M 2.1-2.2 SOIL - 6/2/2023 SE243060.020
Benzene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.2↑
Toluene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.2↑
Ethylbenzene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.2↑
m/p-xylene	mg/kg	0.2	<1.0↑	<0.4↑	<0.2	<1.0↑	<0.4↑
o-xylene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.2↑
Total Xylenes*	mg/kg	0.3	<1.5↑	<0.6↑	<0.3	<1.5↑	<0.6↑
Total BTEX*	mg/kg	0.6	<3.0↑	<1.2↑	<0.6	<3.0↑	<1.2↑
Naphthalene (VOC)*	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.2↑

Volatile Petroleum Hydrocarbons in Soil [AN433] Tested: 14/2/2023

PARAMETER	UOM	LOR	TP401_1.9-2.0 SOIL - 6/2/2023 SE243060.001	TP402_1.9-2.0 SOIL - 6/2/2023 SE243060.002	TP403_1.9-2.0 SOIL - 6/2/2023 SE243060.003	TP404_1.9-2.0 SOIL - 6/2/2023 SE243060.004	TP405_1.9-2.0 SOIL - 6/2/2023 SE243060.005
TRH C6-C9	mg/kg	20	<100↑	<100↑	<40↑	<100↑	<100↑
Benzene (F0)	mg/kg	0.1	<0.5↑	<0.5↑	<0.2↑	<0.5↑	<0.5↑
TRH C6-C10	mg/kg	25	<130↑	<130↑	<50↑	<130↑	<130↑
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<130↑	<130↑	<50↑	<130↑	<130↑

PARAMETER	UOM	LOR	TP406_1.9-2.0 SOIL - 6/2/2023 SE243060.006	TP407_1.9-2.0 SOIL - 6/2/2023 SE243060.007	TP48_1.9-2.0 SOIL - 6/2/2023 SE243060.008	TP409_1.9-2.0 SOIL - 6/2/2023 SE243060.009	TP410_1.9-2.0 SOIL - 6/2/2023 SE243060.010
TRH C6-C9	mg/kg	20	<100↑	<100↑	<100↑	<100↑	<20
Benzene (F0)	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
TRH C6-C10	mg/kg	25	<130↑	<130↑	<130↑	<130↑	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<130↑	<130↑	<130↑	<130↑	<25

PARAMETER	UOM	LOR	TP411_1.9-2.0 SOIL - 6/2/2023 SE243060.011	TP412_1.9-2.0 SOIL - 6/2/2023 SE243060.012	TP413_1.9-2.0 SOIL - 6/2/2023 SE243060.013	TP414_1.9-2.0 SOIL - 6/2/2023 SE243060.014	TP415_1.9-2.0 SOIL - 6/2/2023 SE243060.015
TRH C6-C9	mg/kg	20	<20	<100↑	<20	<100↑	<100↑
Benzene (F0)	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
TRH C6-C10	mg/kg	25	<25	<130↑	<25	<130↑	<130↑
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<130↑	<25	<130↑	<130↑

PARAMETER	UOM	LOR	TP416_1.9-2.0 SOIL - 6/2/2023 SE243060.016	TP417_1.9-2.0 SOIL - 6/2/2023 SE243060.017	TP418_1.9-2.0 SOIL - 6/2/2023 SE243060.018	TP419_1.9-2.0 SOIL - 6/2/2023 SE243060.019	BH502M 2.1-2.2 SOIL - 6/2/2023 SE243060.020
TRH C6-C9	mg/kg	20	<100↑	<40↑	<20	<100↑	<40↑
Benzene (F0)	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.2↑
TRH C6-C10	mg/kg	25	<130↑	<50↑	<25	<130↑	<50↑
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<130↑	<50↑	<25	<130↑	<50↑

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 14/2/2023

PARAMETER	UOM	LOR	TP401_1.9-2.0 SOIL - 6/2/2023 SE243060.001	TP402_1.9-2.0 SOIL - 6/2/2023 SE243060.002	TP403_1.9-2.0 SOIL - 6/2/2023 SE243060.003	TP404_1.9-2.0 SOIL - 6/2/2023 SE243060.004	TP405_1.9-2.0 SOIL - 6/2/2023 SE243060.005
TRH C10-C14	mg/kg	20	<120↑	<140↑	<80↑	<120↑	<140↑
TRH C15-C28	mg/kg	45	1300	470	<180↑	3600	3600
TRH C29-C36	mg/kg	45	1300	610	<180↑	3000	3100
TRH C37-C40	mg/kg	100	<600↑	<700↑	<400↑	<600↑	<700↑
TRH >C10-C16	mg/kg	25	<150↑	<180↑	<100↑	<150↑	<180↑
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	50	34	<25	44	73
TRH >C16-C34 (F3)	mg/kg	90	2400	990	<360↑	6300	6400
TRH >C34-C40 (F4)	mg/kg	120	<720↑	<840↑	<480↑	<720↑	<840↑
TRH C10-C36 Total	mg/kg	110	2600	1100	<440↑	6600	6800
TRH >C10-C40 Total (F bands)	mg/kg	210	2700	<1500↑	<840↑	6700	7000

PARAMETER	UOM	LOR	TP406_1.9-2.0 SOIL - 6/2/2023 SE243060.006	TP407_1.9-2.0 SOIL - 6/2/2023 SE243060.007	TP48_1.9-2.0 SOIL - 6/2/2023 SE243060.008	TP409_1.9-2.0 SOIL - 6/2/2023 SE243060.009	TP410_1.9-2.0 SOIL - 6/2/2023 SE243060.010
TRH C10-C14	mg/kg	20	<120↑	<140↑	<100↑	<120↑	<20
TRH C15-C28	mg/kg	45	4100	2100	560	3500	<45
TRH C29-C36	mg/kg	45	3200	2000	1100	3300	50
TRH C37-C40	mg/kg	100	<600↑	<700↑	<500↑	<600↑	<100
TRH >C10-C16	mg/kg	25	<150↑	<180↑	<130↑	<150↑	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	56	65	52	56	<25
TRH >C16-C34 (F3)	mg/kg	90	7000	3800	1400	6500	<90
TRH >C34-C40 (F4)	mg/kg	120	<720↑	<840↑	<600↑	<720↑	<120
TRH C10-C36 Total	mg/kg	110	7300	4100	1700	6800	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	7500	4300	1800	7000	<210

PARAMETER	UOM	LOR	TP411_1.9-2.0 SOIL - 6/2/2023 SE243060.011	TP412_1.9-2.0 SOIL - 6/2/2023 SE243060.012	TP413_1.9-2.0 SOIL - 6/2/2023 SE243060.013	TP414_1.9-2.0 SOIL - 6/2/2023 SE243060.014	TP415_1.9-2.0 SOIL - 6/2/2023 SE243060.015
TRH C10-C14	mg/kg	20	<20	170	<20	170	<120↑
TRH C15-C28	mg/kg	45	<45	2000	48	2200	3800
TRH C29-C36	mg/kg	45	<45	1800	81	2800	3500
TRH C37-C40	mg/kg	100	<100	<600↑	<100	<700↑	<600↑
TRH >C10-C16	mg/kg	25	<25	210	<25	200	<150↑
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	210	<25	200	64
TRH >C16-C34 (F3)	mg/kg	90	<90	3500	110	4800	7000
TRH >C34-C40 (F4)	mg/kg	120	<120	<720↑	<120	<840↑	<720↑
TRH C10-C36 Total	mg/kg	110	<110	3900	130	5200	7400
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	4100	<210	5400	7500

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 14/2/2023 (continued)

PARAMETER	UOM	LOR	TP416_1.9-2.0 SOIL - 6/2/2023 SE243060.016	TP417_1.9-2.0 SOIL - 6/2/2023 SE243060.017	TP418_1.9-2.0 SOIL - 6/2/2023 SE243060.018	TP419_1.9-2.0 SOIL - 6/2/2023 SE243060.019	BH502M 2.1-2.2 SOIL - 6/2/2023 SE243060.020
TRH C10-C14	mg/kg	20	<120↑	**71**	<20	<140↑	<60↑
TRH C15-C28	mg/kg	45	**1100**	**160**	<45	**740**	<140↑
TRH C29-C36	mg/kg	45	**1900**	**150**	<45	**690**	<140↑
TRH C37-C40	mg/kg	100	<600↑	<300↑	<100	<700↑	<300↑
TRH >C10-C16	mg/kg	25	<150↑	**81**	<25	<180↑	<75↑
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	**66**	**81**	<25	**62**	<25
TRH >C16-C34 (F3)	mg/kg	90	**2900**	**270**	<90	**1300**	<270↑
TRH >C34-C40 (F4)	mg/kg	120	<720↑	<360↑	<120	<840↑	<360↑
TRH C10-C36 Total	mg/kg	110	**3100**	**390**	<110	**1500**	<330↑
TRH >C10-C40 Total (F bands)	mg/kg	210	**3300**	<630↑	<210	**1600**	<630↑

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 14/2/2023

PARAMETER	UOM	LOR	TP401_1.9-2.0 SOIL - 6/2/2023 SE243060.001	TP402_1.9-2.0 SOIL - 6/2/2023 SE243060.002	TP403_1.9-2.0 SOIL - 6/2/2023 SE243060.003	TP404_1.9-2.0 SOIL - 6/2/2023 SE243060.004	TP405_1.9-2.0 SOIL - 6/2/2023 SE243060.005
Naphthalene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
2-methylnaphthalene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
1-methylnaphthalene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Acenaphthylene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Acenaphthene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Fluorene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Phenanthrene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Anthracene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Fluoranthene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Pyrene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Benzo(a)anthracene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Chrysene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Benzo(k)fluoranthene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Benzo(a)pyrene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Dibenzo(ah)anthracene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Benzo(ghi)perylene	mg/kg	0.1	<0.5↑	<0.5↑	<0.3↑	<0.5↑	<0.5↑
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<1.5↑	<1.5↑	<0.9↑	<1.5↑	<1.5↑
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Total PAH (18)	mg/kg	0.8	<4.0↑	<4.0↑	<2.4↑	<4.0↑	<4.0↑
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<4.0↑	<4.0↑	<2.4↑	<4.0↑	<4.0↑

PARAMETER	UOM	LOR	TP406_1.9-2.0 SOIL - 6/2/2023 SE243060.006	TP407_1.9-2.0 SOIL - 6/2/2023 SE243060.007	TP48_1.9-2.0 SOIL - 6/2/2023 SE243060.008	TP409_1.9-2.0 SOIL - 6/2/2023 SE243060.009	TP410_1.9-2.0 SOIL - 6/2/2023 SE243060.010
Naphthalene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Acenaphthylene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Acenaphthene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Fluorene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Phenanthrene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Anthracene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Fluoranthene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Pyrene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Benzo(a)anthracene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Chrysene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Benzo(a)pyrene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<1.5↑	<1.5↑	<1.5↑	<1.5↑	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Total PAH (18)	mg/kg	0.8	<4.0↑	<4.0↑	<4.0↑	<4.0↑	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<4.0↑	<4.0↑	<4.0↑	<4.0↑	<0.8

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 14/2/2023 (continued)

PARAMETER	UOM	LOR	TP411_1.9-2.0 SOIL - 6/2/2023 SE243060.011	TP412_1.9-2.0 SOIL - 6/2/2023 SE243060.012	TP413_1.9-2.0 SOIL - 6/2/2023 SE243060.013	TP414_1.9-2.0 SOIL - 6/2/2023 SE243060.014	TP415_1.9-2.0 SOIL - 6/2/2023 SE243060.015
Naphthalene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Acenaphthylene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Acenaphthene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Fluorene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Phenanthrene	mg/kg	0.1	<0.1	<0.5↑	<0.1	**0.8**	<0.5↑
Anthracene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Fluoranthene	mg/kg	0.1	**0.1**	<0.5↑	<0.1	**0.7**	<0.5↑
Pyrene	mg/kg	0.1	<0.1	<0.5↑	<0.1	**0.6**	<0.5↑
Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Chrysene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	<1.5↑	<0.3	<1.5↑	<1.5↑
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Total PAH (18)	mg/kg	0.8	<0.8	<4.0↑	<0.8	**4.4**	<4.0↑
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	<4.0↑	<0.8	**4.2**	<4.0↑

PARAMETER	UOM	LOR	TP416_1.9-2.0 SOIL - 6/2/2023 SE243060.016	TP417_1.9-2.0 SOIL - 6/2/2023 SE243060.017	TP418_1.9-2.0 SOIL - 6/2/2023 SE243060.018	TP419_1.9-2.0 SOIL - 6/2/2023 SE243060.019	BH502M 2.1-2.2 SOIL - 6/2/2023 SE243060.020
Naphthalene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.3↑
2-methylnaphthalene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.3↑
1-methylnaphthalene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.3↑
Acenaphthylene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.3↑
Acenaphthene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.3↑
Fluorene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.3↑
Phenanthrene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	**0.3**
Anthracene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.3↑
Fluoranthene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	**0.7**
Pyrene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	**0.7**
Benzo(a)anthracene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	**0.4**
Chrysene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	**0.3**
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	**0.4**
Benzo(k)fluoranthene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.3↑
Benzo(a)pyrene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	**0.4**
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.3↑
Dibenzo(ah)anthracene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.3↑
Benzo(ghi)perylene	mg/kg	0.1	<0.5↑	<0.2↑	<0.1	<0.5↑	<0.3↑
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<1.0↑	<0.4↑	<0.2	<1.0↑	<0.6↑
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<1.5↑	<0.6↑	<0.3	<1.5↑	<0.9↑
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<1.0↑	<0.4↑	<0.2	<1.0↑	<0.6↑
Total PAH (18)	mg/kg	0.8	<4.0↑	<1.6↑	<0.8	<4.0↑	**4.0**
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<4.0↑	<1.6↑	<0.8	<4.0↑	**4.0**

OC Pesticides in Soil [AN420] Tested: 14/2/2023

PARAMETER	UOM	LOR	TP401_1.9-2.0 SOIL - 6/2/2023 SE243060.001	TP402_1.9-2.0 SOIL - 6/2/2023 SE243060.002	TP403_1.9-2.0 SOIL - 6/2/2023 SE243060.003	TP404_1.9-2.0 SOIL - 6/2/2023 SE243060.004	TP405_1.9-2.0 SOIL - 6/2/2023 SE243060.005
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.6↑	<1.0↑	<1.0↑
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.6↑	<1.0↑	<1.0↑
Endrin	mg/kg	0.2	<0.2	<0.2	<0.6↑	<1.0↑	<1.0↑
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.6↑	<1.0↑	<1.0↑
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Mirex	mg/kg	0.1	<0.1	<0.1	<0.3↑	<0.5↑	<0.5↑
Total CLP OC Pesticides	mg/kg	1	<1	<1	<3↑	<5↑	<5↑
Total OC VIC EPA	mg/kg	1	<1	<1	<3↑	<5↑	<5↑

OC Pesticides in Soil [AN420] Tested: 14/2/2023 (continued)

PARAMETER	UOM	LOR	TP406_1.9-2.0 SOIL - 6/2/2023 SE243060.006	TP407_1.9-2.0 SOIL - 6/2/2023 SE243060.007	TP48_1.9-2.0 SOIL - 6/2/2023 SE243060.008	TP409_1.9-2.0 SOIL - 6/2/2023 SE243060.009	TP410_1.9-2.0 SOIL - 6/2/2023 SE243060.010
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Alpha BHC	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Heptachlor	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Aldrin	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Beta BHC	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Delta BHC	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
o,p'-DDE*	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Alpha Endosulfan	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Gamma Chlordane	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Alpha Chlordane	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
trans-Nonachlor	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
p,p'-DDE	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Dieldrin	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Endrin	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
o,p'-DDD*	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
o,p'-DDT*	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Beta Endosulfan	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
p,p'-DDD	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
p,p'-DDT	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Endrin aldehyde	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Methoxychlor	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Endrin ketone	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Isodrin	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Mirex	mg/kg	0.1	<0.5↑	<0.5↑	<0.5↑	<0.5↑	<0.1
Total CLP OC Pesticides	mg/kg	1	<5↑	<5↑	<5↑	<5↑	<1
Total OC VIC EPA	mg/kg	1	<5↑	<5↑	<5↑	<5↑	<1

OC Pesticides in Soil [AN420] Tested: 14/2/2023 (continued)

PARAMETER	UOM	LOR	TP411_1.9-2.0 SOIL - 6/2/2023 SE243060.011	TP412_1.9-2.0 SOIL - 6/2/2023 SE243060.012	TP413_1.9-2.0 SOIL - 6/2/2023 SE243060.013	TP414_1.9-2.0 SOIL - 6/2/2023 SE243060.014	TP415_1.9-2.0 SOIL - 6/2/2023 SE243060.015
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Alpha BHC	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Heptachlor	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Aldrin	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Beta BHC	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Delta BHC	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
o,p'-DDE*	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Alpha Endosulfan	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Gamma Chlordane	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Alpha Chlordane	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
trans-Nonachlor	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
p,p'-DDE	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Dieldrin	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Endrin	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
o,p'-DDD*	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
o,p'-DDT*	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Beta Endosulfan	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
p,p'-DDD	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
p,p'-DDT	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Endrin aldehyde	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Methoxychlor	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Endrin ketone	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Isodrin	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Mirex	mg/kg	0.1	<0.1	<0.5↑	<0.1	<0.5↑	<0.5↑
Total CLP OC Pesticides	mg/kg	1	<1	<5↑	<1	<5↑	<5↑
Total OC VIC EPA	mg/kg	1	<1	<5↑	<1	<5↑	<5↑

OC Pesticides in Soil [AN420] Tested: 14/2/2023 (continued)

PARAMETER	UOM	LOR	TP416_1.9-2.0 SOIL - 6/2/2023 SE243060.016	TP417_1.9-2.0 SOIL - 6/2/2023 SE243060.017	TP418_1.9-2.0 SOIL - 6/2/2023 SE243060.018	TP419_1.9-2.0 SOIL - 6/2/2023 SE243060.019	BH502M 2.1-2.2 SOIL - 6/2/2023 SE243060.020
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Alpha BHC	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Lindane (gamma BHC)	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Heptachlor	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Aldrin	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Beta BHC	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Delta BHC	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Heptachlor epoxide	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
o,p'-DDE*	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Alpha Endosulfan	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.6↑
Gamma Chlordane	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Alpha Chlordane	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
trans-Nonachlor	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
p,p'-DDE	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Dieldrin	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.6↑
Endrin	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.6↑
o,p'-DDD*	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
o,p'-DDT*	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Beta Endosulfan	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.6↑
p,p'-DDD	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
p,p'-DDT	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Endosulfan sulphate	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Endrin aldehyde	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Methoxychlor	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Endrin ketone	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Isodrin	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Mirex	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.3↑
Total CLP OC Pesticides	mg/kg	1	<5↑	<1	<1	<5↑	<3↑
Total OC VIC EPA	mg/kg	1	<5↑	<1	<1	<5↑	<3↑

OP Pesticides in Soil [AN420] Tested: 14/2/2023

PARAMETER	UOM	LOR	TP401_1.9-2.0 SOIL - 6/2/2023 SE243060.001	TP402_1.9-2.0 SOIL - 6/2/2023 SE243060.002	TP403_1.9-2.0 SOIL - 6/2/2023 SE243060.003	TP404_1.9-2.0 SOIL - 6/2/2023 SE243060.004	TP405_1.9-2.0 SOIL - 6/2/2023 SE243060.005
Dichlorvos	mg/kg	0.5	<2.5↑	<2.5↑	<1.5↑	<2.5↑	<2.5↑
Dimethoate	mg/kg	0.5	<2.5↑	<2.5↑	<1.5↑	<2.5↑	<2.5↑
Diazinon (Dimpylate)	mg/kg	0.5	<2.5↑	<2.5↑	<1.5↑	<2.5↑	<2.5↑
Fenitrothion	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Malathion	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Parathion-ethyl (Parathion)	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Bromophos Ethyl	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Methidathion	mg/kg	0.5	<2.5↑	<2.5↑	<1.5↑	<2.5↑	<2.5↑
Ethion	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Azinphos-methyl (Guthion)	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Total OP Pesticides*	mg/kg	1.7	<8.5↑	<8.5↑	<5.1↑	<8.5↑	<8.5↑

PARAMETER	UOM	LOR	TP406_1.9-2.0 SOIL - 6/2/2023 SE243060.006	TP407_1.9-2.0 SOIL - 6/2/2023 SE243060.007	TP48_1.9-2.0 SOIL - 6/2/2023 SE243060.008	TP409_1.9-2.0 SOIL - 6/2/2023 SE243060.009	TP410_1.9-2.0 SOIL - 6/2/2023 SE243060.010
Dichlorvos	mg/kg	0.5	<2.5↑	<2.5↑	<2.5↑	<2.5↑	<0.5
Dimethoate	mg/kg	0.5	<2.5↑	<2.5↑	<2.5↑	<2.5↑	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<2.5↑	<2.5↑	<2.5↑	<2.5↑	<0.5
Fenitrothion	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Malathion	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Bromophos Ethyl	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Methidathion	mg/kg	0.5	<2.5↑	<2.5↑	<2.5↑	<2.5↑	<0.5
Ethion	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Total OP Pesticides*	mg/kg	1.7	<8.5↑	<8.5↑	<8.5↑	<8.5↑	<1.7

PARAMETER	UOM	LOR	TP411_1.9-2.0 SOIL - 6/2/2023 SE243060.011	TP412_1.9-2.0 SOIL - 6/2/2023 SE243060.012	TP413_1.9-2.0 SOIL - 6/2/2023 SE243060.013	TP414_1.9-2.0 SOIL - 6/2/2023 SE243060.014	TP415_1.9-2.0 SOIL - 6/2/2023 SE243060.015
Dichlorvos	mg/kg	0.5	<0.5	<2.5↑	<0.5	<2.5↑	<2.5↑
Dimethoate	mg/kg	0.5	<0.5	<2.5↑	<0.5	<2.5↑	<2.5↑
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<2.5↑	<0.5	<2.5↑	<2.5↑
Fenitrothion	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Malathion	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Bromophos Ethyl	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Methidathion	mg/kg	0.5	<0.5	<2.5↑	<0.5	<2.5↑	<2.5↑
Ethion	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Total OP Pesticides*	mg/kg	1.7	<1.7	<8.5↑	<1.7	<8.5↑	<8.5↑

OP Pesticides in Soil [AN420] Tested: 14/2/2023 (continued)

PARAMETER	UOM	LOR	TP416_1.9-2.0 SOIL - 6/2/2023 SE243060.016	TP417_1.9-2.0 SOIL - 6/2/2023 SE243060.017	TP418_1.9-2.0 SOIL - 6/2/2023 SE243060.018	TP419_1.9-2.0 SOIL - 6/2/2023 SE243060.019	BH502M 2.1-2.2 SOIL - 6/2/2023 SE243060.020
Dichlorvos	mg/kg	0.5	<2.5↑	<1.0↑	<0.5	<2.5↑	<1.5↑
Dimethoate	mg/kg	0.5	<2.5↑	<1.0↑	<0.5	<2.5↑	<1.5↑
Diazinon (Dimpylate)	mg/kg	0.5	<2.5↑	<1.0↑	<0.5	<2.5↑	<1.5↑
Fenitrothion	mg/kg	0.2	<1.0↑	<0.4↑	<0.2	<1.0↑	<0.6↑
Malathion	mg/kg	0.2	<1.0↑	<0.4↑	<0.2	<1.0↑	<0.6↑
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<1.0↑	<0.4↑	<0.2	<1.0↑	<0.6↑
Parathion-ethyl (Parathion)	mg/kg	0.2	<1.0↑	<0.4↑	<0.2	<1.0↑	<0.6↑
Bromophos Ethyl	mg/kg	0.2	<1.0↑	<0.4↑	<0.2	<1.0↑	<0.6↑
Methidathion	mg/kg	0.5	<2.5↑	<1.0↑	<0.5	<2.5↑	<1.5↑
Ethion	mg/kg	0.2	<1.0↑	<0.4↑	<0.2	<1.0↑	<0.6↑
Azinphos-methyl (Guthion)	mg/kg	0.2	<1.0↑	<0.4↑	<0.2	<1.0↑	<0.6↑
Total OP Pesticides*	mg/kg	1.7	<8.5↑	<3.4↑	<1.7	<8.5↑	<5.1↑

PCBs in Soil [AN420] Tested: 14/2/2023

PARAMETER	UOM	LOR	TP401_1.9-2.0 SOIL - 6/2/2023 SE243060.001	TP402_1.9-2.0 SOIL - 6/2/2023 SE243060.002	TP403_1.9-2.0 SOIL - 6/2/2023 SE243060.003	TP404_1.9-2.0 SOIL - 6/2/2023 SE243060.004	TP405_1.9-2.0 SOIL - 6/2/2023 SE243060.005
Arochlor 1016	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Arochlor 1221	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Arochlor 1232	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Arochlor 1242	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Arochlor 1248	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Arochlor 1254	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Arochlor 1260	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Arochlor 1262	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Arochlor 1268	mg/kg	0.2	<1.0↑	<1.0↑	<0.6↑	<1.0↑	<1.0↑
Total PCBs (Arochlors)	mg/kg	1	<5↑	<5↑	<3↑	<5↑	<5↑

PARAMETER	UOM	LOR	TP406_1.9-2.0 SOIL - 6/2/2023 SE243060.006	TP407_1.9-2.0 SOIL - 6/2/2023 SE243060.007	TP48_1.9-2.0 SOIL - 6/2/2023 SE243060.008	TP409_1.9-2.0 SOIL - 6/2/2023 SE243060.009	TP410_1.9-2.0 SOIL - 6/2/2023 SE243060.010
Arochlor 1016	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Arochlor 1221	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Arochlor 1232	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Arochlor 1242	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Arochlor 1248	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Arochlor 1254	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Arochlor 1260	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Arochlor 1262	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Arochlor 1268	mg/kg	0.2	<1.0↑	<1.0↑	<1.0↑	<1.0↑	<0.2
Total PCBs (Arochlors)	mg/kg	1	<5↑	<5↑	<5↑	<5↑	<1

PARAMETER	UOM	LOR	TP411_1.9-2.0 SOIL - 6/2/2023 SE243060.011	TP412_1.9-2.0 SOIL - 6/2/2023 SE243060.012	TP413_1.9-2.0 SOIL - 6/2/2023 SE243060.013	TP414_1.9-2.0 SOIL - 6/2/2023 SE243060.014	TP415_1.9-2.0 SOIL - 6/2/2023 SE243060.015
Arochlor 1016	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Arochlor 1221	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Arochlor 1232	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Arochlor 1242	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Arochlor 1248	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Arochlor 1254	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Arochlor 1260	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Arochlor 1262	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Arochlor 1268	mg/kg	0.2	<0.2	<1.0↑	<0.2	<1.0↑	<1.0↑
Total PCBs (Arochlors)	mg/kg	1	<1	<5↑	<1	<5↑	<5↑

PCBs in Soil [AN420] Tested: 14/2/2023 (continued)

PARAMETER	UOM	LOR	TP416_1.9-2.0 SOIL - 6/2/2023 SE243060.016	TP417_1.9-2.0 SOIL - 6/2/2023 SE243060.017	TP418_1.9-2.0 SOIL - 6/2/2023 SE243060.018	TP419_1.9-2.0 SOIL - 6/2/2023 SE243060.019	BH502M 2.1-2.2 SOIL - 6/2/2023 SE243060.020
Arochlor 1016	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.6↑
Arochlor 1221	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.6↑
Arochlor 1232	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.6↑
Arochlor 1242	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.6↑
Arochlor 1248	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.6↑
Arochlor 1254	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.6↑
Arochlor 1260	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.6↑
Arochlor 1262	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.6↑
Arochlor 1268	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.6↑
Total PCBs (Arochlors)	mg/kg	1	<5↑	<1	<1	<5↑	<3↑

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES [AN040/AN320] Tested: 14/2/2023

PARAMETER	UOM	LOR	TP401_1.9-2.0 SOIL - 6/2/2023 SE243060.001	TP402_1.9-2.0 SOIL - 6/2/2023 SE243060.002	TP403_1.9-2.0 SOIL - 6/2/2023 SE243060.003	TP404_1.9-2.0 SOIL - 6/2/2023 SE243060.004	TP405_1.9-2.0 SOIL - 6/2/2023 SE243060.005
Arsenic, As	mg/kg	1	3	5	3	2	1
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	9.4	4.8	17	5.9	6.0
Copper, Cu	mg/kg	0.5	11	1.0	20	2.1	1.9
Lead, Pb	mg/kg	1	4	8	7	8	2
Nickel, Ni	mg/kg	0.5	16	3.6	13	3.4	5.0
Zinc, Zn	mg/kg	2	10	27	11	20	10

PARAMETER	UOM	LOR	TP406_1.9-2.0 SOIL - 6/2/2023 SE243060.006	TP407_1.9-2.0 SOIL - 6/2/2023 SE243060.007	TP48_1.9-2.0 SOIL - 6/2/2023 SE243060.008	TP409_1.9-2.0 SOIL - 6/2/2023 SE243060.009	TP410_1.9-2.0 SOIL - 6/2/2023 SE243060.010
Arsenic, As	mg/kg	1	2	3	3	2	3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	5.9	5.8	14	5.8	20
Copper, Cu	mg/kg	0.5	2.1	3.7	14	2.5	18
Lead, Pb	mg/kg	1	2	2	4	8	11
Nickel, Ni	mg/kg	0.5	4.5	8.2	18	3.9	4.7
Zinc, Zn	mg/kg	2	9.6	4.8	5.9	19	4.3

PARAMETER	UOM	LOR	TP411_1.9-2.0 SOIL - 6/2/2023 SE243060.011	TP412_1.9-2.0 SOIL - 6/2/2023 SE243060.012	TP413_1.9-2.0 SOIL - 6/2/2023 SE243060.013	TP414_1.9-2.0 SOIL - 6/2/2023 SE243060.014	TP415_1.9-2.0 SOIL - 6/2/2023 SE243060.015
Arsenic, As	mg/kg	1	2	3	3	2	3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	19	3.2	17	4.4	6.6
Copper, Cu	mg/kg	0.5	18	<0.5	9.4	<0.5	4.4
Lead, Pb	mg/kg	1	11	<1	9	2	3
Nickel, Ni	mg/kg	0.5	4.2	1.8	3.1	2.8	9.3
Zinc, Zn	mg/kg	2	3.6	6.5	3.1	4.8	18

PARAMETER	UOM	LOR	TP416_1.9-2.0 SOIL - 6/2/2023 SE243060.016	TP417_1.9-2.0 SOIL - 6/2/2023 SE243060.017	TP418_1.9-2.0 SOIL - 6/2/2023 SE243060.018	TP419_1.9-2.0 SOIL - 6/2/2023 SE243060.019	BH502M 2.1-2.2 SOIL - 6/2/2023 SE243060.020
Arsenic, As	mg/kg	1	3	3	2	2	5
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	9.2	28	21	5.4	19
Copper, Cu	mg/kg	0.5	9.3	31	14	<0.5	22
Lead, Pb	mg/kg	1	5	16	12	8	58
Nickel, Ni	mg/kg	0.5	13	10	2.7	2.9	17
Zinc, Zn	mg/kg	2	14	6.9	3.0	14	69

Mercury in Soil [AN312] Tested: 14/2/2023

PARAMETER	UOM	LOR	TP401_1.9-2.0 SOIL - 6/2/2023 SE243060.001	TP402_1.9-2.0 SOIL - 6/2/2023 SE243060.002	TP403_1.9-2.0 SOIL - 6/2/2023 SE243060.003	TP404_1.9-2.0 SOIL - 6/2/2023 SE243060.004	TP405_1.9-2.0 SOIL - 6/2/2023 SE243060.005
Mercury	mg/kg	0.05	<0.05	**0.05**	<0.05	<0.05	<0.05

PARAMETER	UOM	LOR	TP406_1.9-2.0 SOIL - 6/2/2023 SE243060.006	TP407_1.9-2.0 SOIL - 6/2/2023 SE243060.007	TP48_1.9-2.0 SOIL - 6/2/2023 SE243060.008	TP409_1.9-2.0 SOIL - 6/2/2023 SE243060.009	TP410_1.9-2.0 SOIL - 6/2/2023 SE243060.010
Mercury	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05

PARAMETER	UOM	LOR	TP411_1.9-2.0 SOIL - 6/2/2023 SE243060.011	TP412_1.9-2.0 SOIL - 6/2/2023 SE243060.012	TP413_1.9-2.0 SOIL - 6/2/2023 SE243060.013	TP414_1.9-2.0 SOIL - 6/2/2023 SE243060.014	TP415_1.9-2.0 SOIL - 6/2/2023 SE243060.015
Mercury	mg/kg	0.05	<0.05	<0.05	<0.05	<0.05	<0.05

PARAMETER	UOM	LOR	TP416_1.9-2.0 SOIL - 6/2/2023 SE243060.016	TP417_1.9-2.0 SOIL - 6/2/2023 SE243060.017	TP418_1.9-2.0 SOIL - 6/2/2023 SE243060.018	TP419_1.9-2.0 SOIL - 6/2/2023 SE243060.019	BH502M 2.1-2.2 SOIL - 6/2/2023 SE243060.020
Mercury	mg/kg	0.05	<0.05	**0.06**	<0.05	**0.05**	**0.28**

Moisture Content [AN002] Tested: 14/2/2023

PARAMETER	UOM	LOR	TP401_1.9-2.0 SOIL - 6/2/2023 SE243060.001	TP402_1.9-2.0 SOIL - 6/2/2023 SE243060.002	TP403_1.9-2.0 SOIL - 6/2/2023 SE243060.003	TP404_1.9-2.0 SOIL - 6/2/2023 SE243060.004	TP405_1.9-2.0 SOIL - 6/2/2023 SE243060.005
% Moisture	%w/w	1	83.4	85.1	74.7	81.5	85.4

PARAMETER	UOM	LOR	TP406_1.9-2.0 SOIL - 6/2/2023 SE243060.006	TP407_1.9-2.0 SOIL - 6/2/2023 SE243060.007	TP48_1.9-2.0 SOIL - 6/2/2023 SE243060.008	TP409_1.9-2.0 SOIL - 6/2/2023 SE243060.009	TP410_1.9-2.0 SOIL - 6/2/2023 SE243060.010
% Moisture	%w/w	1	82.5	85.5	81.4	83.1	44.6

PARAMETER	UOM	LOR	TP411_1.9-2.0 SOIL - 6/2/2023 SE243060.011	TP412_1.9-2.0 SOIL - 6/2/2023 SE243060.012	TP413_1.9-2.0 SOIL - 6/2/2023 SE243060.013	TP414_1.9-2.0 SOIL - 6/2/2023 SE243060.014	TP415_1.9-2.0 SOIL - 6/2/2023 SE243060.015
% Moisture	%w/w	1	38.7	83.3	38.6	85.2	83.7

PARAMETER	UOM	LOR	TP416_1.9-2.0 SOIL - 6/2/2023 SE243060.016	TP417_1.9-2.0 SOIL - 6/2/2023 SE243060.017	TP418_1.9-2.0 SOIL - 6/2/2023 SE243060.018	TP419_1.9-2.0 SOIL - 6/2/2023 SE243060.019	BH502M 2.1-2.2 SOIL - 6/2/2023 SE243060.020
% Moisture	%w/w	1	84.2	64.7	32.8	84.9	70.3

Fibre Identification in soil [AS4964/AN602] Tested: 16/2/2023

PARAMETER	UOM	LOR	TP401_1.9-2.0 SOIL - 6/2/2023 SE243060.001	TP402_1.9-2.0 SOIL - 6/2/2023 SE243060.002	TP403_1.9-2.0 SOIL - 6/2/2023 SE243060.003	TP404_1.9-2.0 SOIL - 6/2/2023 SE243060.004	TP405_1.9-2.0 SOIL - 6/2/2023 SE243060.005
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP406_1.9-2.0 SOIL - 6/2/2023 SE243060.006	TP407_1.9-2.0 SOIL - 6/2/2023 SE243060.007	TP48_1.9-2.0 SOIL - 6/2/2023 SE243060.008	TP409_1.9-2.0 SOIL - 6/2/2023 SE243060.009	TP410_1.9-2.0 SOIL - 6/2/2023 SE243060.010
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP411_1.9-2.0 SOIL - 6/2/2023 SE243060.011	TP412_1.9-2.0 SOIL - 6/2/2023 SE243060.012	TP413_1.9-2.0 SOIL - 6/2/2023 SE243060.013	TP414_1.9-2.0 SOIL - 6/2/2023 SE243060.014	TP415_1.9-2.0 SOIL - 6/2/2023 SE243060.015
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP416_1.9-2.0 SOIL - 6/2/2023 SE243060.016	TP417_1.9-2.0 SOIL - 6/2/2023 SE243060.017	TP418_1.9-2.0 SOIL - 6/2/2023 SE243060.018	TP419_1.9-2.0 SOIL - 6/2/2023 SE243060.019	BH502M 2.1-2.2 SOIL - 6/2/2023 SE243060.020
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

METHOD	METHODOLOGY SUMMARY
AN002	The test is carried out by drying (at either 40°C or 105°C) a known mass of sample in a weighed evaporating basin. After fully dry the sample is re-weighed. Samples such as sludge and sediment having high percentages of moisture will take some time in a drying oven for complete removal of water.
AN040/AN320	A portion of sample is digested with nitric acid to decompose organic matter and hydrochloric acid to complete the digestion of metals. The digest is then analysed by ICP OES with metals results reported on the dried sample basis. Based on USEPA method 200.8 and 6010C.
AN040	A portion of sample is digested with Nitric acid to decompose organic matter and Hydrochloric acid to complete the digestion of metals and then filtered for analysis by ASS or ICP as per USEPA Method 200.8.
AN312	Mercury by Cold Vapour AAS in Soils: After digestion with nitric acid, hydrogen peroxide and hydrochloric acid, mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500
AN403	Total Recoverable Hydrocarbons: Determination of Hydrocarbons by gas chromatography after a solvent extraction. Detection is by flame ionisation detector (FID) that produces an electronic signal in proportion to the combustible matter passing through it. Total Recoverable Hydrocarbons (TRH) are routinely reported as four alkane groupings based on the carbon chain length of the compounds: C6-C9, C10-C14, C15-C28 and C29-C36 and in recognition of the NEPM 1999 (2013), >C10-C16 (F2), >C16-C34 (F3) and >C34-C40 (F4). F2 is reported directly and also corrected by subtracting Naphthalene (from VOC method AN433) where available.
AN403	Additionally, the volatile C6-C9 fraction may be determined by a purge and trap technique and GC/MS because of the potential for volatiles loss. Total Recoverable Hydrocarbons - Silica (TRH-Si) follows the same method of analysis after silica gel cleanup of the solvent extract. Aliphatic/Aromatic Speciation follows the same method of analysis after fractionation of the solvent extract over silica with differential polarity of the eluent solvents.
AN403	The GC/FID method is not well suited to the analysis of refined high boiling point materials (ie lubricating oils or greases) but is particularly suited for measuring diesel, kerosene and petrol if care to control volatility is taken. This method will detect naturally occurring hydrocarbons, lipids, animal fats, phenols and PAHs if they are present at sufficient levels, dependent on the use of specific cleanup/fractionation techniques. Reference USEPA 3510B, 8015B.
AN420	(SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols (etc) in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D). Total PAH calculated from individual analyte detections at or above the limit of reporting.
AN420	SVOC Compounds: Semi-Volatile Organic Compounds (SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D).
AN433	VOCs and C6-C9 Hydrocarbons by GC-MS P&T: VOC`s are volatile organic compounds. The sample is presented to a gas chromatograph via a purge and trap (P&T) concentrator and autosampler and is detected with a Mass Spectrometer (MSD). Solid samples are initially extracted with methanol whilst liquid samples are processed directly. References: USEPA 5030B, 8020A, 8260.
AN602/AS4964	Qualitative identification of chrysotile, amosite and crocidolite in bulk samples by polarised light microscopy (PLM) in conjunction with dispersion staining (DS). AS4964 provides the basis for this document. Unequivocal identification of the asbestos minerals present is made by obtaining sufficient diagnostic `clues`, which provide a reasonable degree of certainty, dispersion staining is a mandatory `clue` for positive identification. If sufficient `clues` are absent, then positive identification of asbestos is not possible. This procedure requires removal of suspect fibres/bundles from the sample which cannot be returned.
AN602/AS4964	Fibres/material that cannot be unequivocably identified as one of the three asbestos forms, will be reported as unknown mineral fibres (umf) The fibres detected may or may not be asbestos fibres.
AN602/AS4964	AS4964.2004 Method for the Qualitative Identification of Asbestos in Bulk Samples, Section 8.4, Trace Analysis Criteria, Note 4 states:"Depending upon sample condition and fibre type, the detection/reporting limit (RL) of this technique has been found to lie generally in the range of 1 in 1,000 to 1 in 10,000 parts by weight, equivalent to 1 to 0.1 g/kg."
AN602/AS4964	The sample can be reported “no asbestos found at the reporting limit (RL) of 0.1 g/kg” (<0.01%w/w) where AN602 section 4.5 of this method has been followed, and if- (a) no trace asbestos fibres have been detected (i.e. no ‘respirable’ fibres): (b) the estimated weight of non-respirable asbestos fibre bundles and/or the estimated weight of asbestos in asbestos-containing materials are found to be less than 0.1g/kg: and (c) these non-respirable asbestos fibre bundles and/or the asbestos containing materials are only visible under stereo-microscope viewing conditions.

FOOTNOTES

*	NATA accreditation does not cover the performance of this service.	-	Not analysed.	UOM	Unit of Measure.
		NVL	Not validated.	LOR	Limit of Reporting.
**	Indicative data, theoretical holding time exceeded.	IS	Insufficient sample for analysis.	↑↓	Raised/lowered Limit of Reporting.
***	Indicates that both * and ** apply.	LNR	Sample listed, but not received.		

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.
Solid samples expressed on a dry weight basis.

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calculated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the " Total" LOR will be the sum of those two LORs.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

If reported, measurement uncertainty follow the ± sign after the analytical result and is expressed as the expanded uncertainty calculated using a coverage factor of 2, providing a level of confidence of approximately 95%, unless stated otherwise in the comments section of this report.

Results reported for samples tested under test methods with codes starting with ARS-SOP, radionuclide or gross radioactivity concentrations are expressed in becquerel (Bq) per unit of mass or volume or per wipe as stated on the report. Becquerel is the SI unit for activity and equals one nuclear transformation per second.
Note that in terms of units of radioactivity:

a. 1 Bq is equivalent to 27 pCi
b. 37 MBq is equivalent to 1 mCi

For results reported for samples tested under test methods with codes starting with ARS-SOP, less than (<) values indicate the detection limit for each radionuclide or parameter for the measurement system used. The respective detection limits have been calculated in accordance with ISO 11929.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety .

STATEMENT OF QA/QC PERFORMANCE

SE243060 R0

CLIENT DETAILS

Contact	Geisiane Torres
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	Geisiane.Torres @eiaustralia.com.au
Project	**E25947 600-660 Elizabeth St Red Fern**
Order Number	**E25947**
Samples	20

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE243060 R0**
Date Received	09 Feb 2023
Date Reported	20 Feb 2023

COMMENTS

All the laboratory data for each environmental matrix was compared to SGS' stated Data Quality Objectives (DQO). Comments arising from the comparison were made and are reported below.

The data relating to sampling was taken from the Chain of Custody document.
This QA/QC Statement must be read in conjunction with the referenced Analytical Report.
The Statement and the Analytical Report must not be reproduced except in full.

All Data Quality Objectives were met with the exception of the following:

Surrogate	VOC's in Soil	4 items
	Volatile Petroleum Hydrocarbons in Soil	4 items
Duplicate	PAH (Polynuclear Aromatic Hydrocarbons) in Soil	3 items
Matrix Spike	TRH (Total Recoverable Hydrocarbons) in Soil	5 items
	VOC's in Soil	5 items
	Volatile Petroleum Hydrocarbons in Soil	3 items

SAMPLE SUMMARY

Sample counts by matrix	20 Soil	Type of documentation received	COC
Date documentation received	13/2/2023 @5:24PM	Samples received in good order	Yes
Samples received without headspace	Yes	Sample temperature upon receipt	10.3°C
Sample container provider	SGS	Turnaround time requested	Standard
Samples received in correct containers	Yes	Sufficient sample for analysis	Yes
Sample cooling method	Ice Bricks	Samples clearly labelled	Yes
Complete documentation received	Yes		

HOLDING TIME SUMMARY

SE243060 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Fibre Identification in soil

Method: ME-(AU)-[ENV]AS4964/AN602

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_1.9-2.0	SE243060.001	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP402_1.9-2.0	SE243060.002	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP403_1.9-2.0	SE243060.003	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP404_1.9-2.0	SE243060.004	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP405_1.9-2.0	SE243060.005	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP406_1.9-2.0	SE243060.006	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP407_1.9-2.0	SE243060.007	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP48_1.9-2.0	SE243060.008	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP409_1.9-2.0	SE243060.009	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP410_1.9-2.0	SE243060.010	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP411_1.9-2.0	SE243060.011	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP412_1.9-2.0	SE243060.012	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP413_1.9-2.0	SE243060.013	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP414_1.9-2.0	SE243060.014	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP415_1.9-2.0	SE243060.015	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP416_1.9-2.0	SE243060.016	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP417_1.9-2.0	SE243060.017	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP418_1.9-2.0	SE243060.018	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
TP419_1.9-2.0	SE243060.019	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023
BH502M 2.1-2.2	SE243060.020	LB271627	06 Feb 2023	09 Feb 2023	06 Feb 2024	16 Feb 2023	06 Feb 2024	20 Feb 2023

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_1.9-2.0	SE243060.001	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP402_1.9-2.0	SE243060.002	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP403_1.9-2.0	SE243060.003	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP404_1.9-2.0	SE243060.004	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP405_1.9-2.0	SE243060.005	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP406_1.9-2.0	SE243060.006	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP407_1.9-2.0	SE243060.007	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP48_1.9-2.0	SE243060.008	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP409_1.9-2.0	SE243060.009	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP410_1.9-2.0	SE243060.010	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP411_1.9-2.0	SE243060.011	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP412_1.9-2.0	SE243060.012	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP413_1.9-2.0	SE243060.013	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP414_1.9-2.0	SE243060.014	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP415_1.9-2.0	SE243060.015	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP416_1.9-2.0	SE243060.016	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP417_1.9-2.0	SE243060.017	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP418_1.9-2.0	SE243060.018	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
TP419_1.9-2.0	SE243060.019	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023
BH502M 2.1-2.2	SE243060.020	LB271365	06 Feb 2023	09 Feb 2023	06 Mar 2023	14 Feb 2023	06 Mar 2023	17 Feb 2023

Moisture Content

Method: ME-(AU)-[ENV]AN002

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_1.9-2.0	SE243060.001	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP402_1.9-2.0	SE243060.002	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP403_1.9-2.0	SE243060.003	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP404_1.9-2.0	SE243060.004	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP405_1.9-2.0	SE243060.005	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP406_1.9-2.0	SE243060.006	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP407_1.9-2.0	SE243060.007	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP48_1.9-2.0	SE243060.008	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP409_1.9-2.0	SE243060.009	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP410_1.9-2.0	SE243060.010	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP411_1.9-2.0	SE243060.011	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP412_1.9-2.0	SE243060.012	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP413_1.9-2.0	SE243060.013	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP414_1.9-2.0	SE243060.014	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP415_1.9-2.0	SE243060.015	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023

HOLDING TIME SUMMARY

SE243060 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Moisture Content (continued)

Method: ME-(AU)-[ENV]AN002

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP416_1.9-2.0	SE243060.016	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP417_1.9-2.0	SE243060.017	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP418_1.9-2.0	SE243060.018	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
TP419_1.9-2.0	SE243060.019	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023
BH502M 2.1-2.2	SE243060.020	LB271353	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	19 Feb 2023	16 Feb 2023

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_1.9-2.0	SE243060.001	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP402_1.9-2.0	SE243060.002	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP403_1.9-2.0	SE243060.003	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP404_1.9-2.0	SE243060.004	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP405_1.9-2.0	SE243060.005	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP406_1.9-2.0	SE243060.006	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP407_1.9-2.0	SE243060.007	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP48_1.9-2.0	SE243060.008	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP409_1.9-2.0	SE243060.009	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP410_1.9-2.0	SE243060.010	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP411_1.9-2.0	SE243060.011	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP412_1.9-2.0	SE243060.012	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP413_1.9-2.0	SE243060.013	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP414_1.9-2.0	SE243060.014	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP415_1.9-2.0	SE243060.015	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP416_1.9-2.0	SE243060.016	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP417_1.9-2.0	SE243060.017	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP418_1.9-2.0	SE243060.018	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP419_1.9-2.0	SE243060.019	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
BH502M 2.1-2.2	SE243060.020	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_1.9-2.0	SE243060.001	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP402_1.9-2.0	SE243060.002	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP403_1.9-2.0	SE243060.003	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP404_1.9-2.0	SE243060.004	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP405_1.9-2.0	SE243060.005	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP406_1.9-2.0	SE243060.006	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP407_1.9-2.0	SE243060.007	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP48_1.9-2.0	SE243060.008	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP409_1.9-2.0	SE243060.009	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP410_1.9-2.0	SE243060.010	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP411_1.9-2.0	SE243060.011	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP412_1.9-2.0	SE243060.012	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP413_1.9-2.0	SE243060.013	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP414_1.9-2.0	SE243060.014	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP415_1.9-2.0	SE243060.015	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP416_1.9-2.0	SE243060.016	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP417_1.9-2.0	SE243060.017	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP418_1.9-2.0	SE243060.018	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP419_1.9-2.0	SE243060.019	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
BH502M 2.1-2.2	SE243060.020	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_1.9-2.0	SE243060.001	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP402_1.9-2.0	SE243060.002	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP403_1.9-2.0	SE243060.003	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP404_1.9-2.0	SE243060.004	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP405_1.9-2.0	SE243060.005	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP406_1.9-2.0	SE243060.006	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP407_1.9-2.0	SE243060.007	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023

HOLDING TIME SUMMARY

SE243060 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP48_1.9-2.0	SE243060.008	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP409_1.9-2.0	SE243060.009	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP410_1.9-2.0	SE243060.010	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP411_1.9-2.0	SE243060.011	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP412_1.9-2.0	SE243060.012	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP413_1.9-2.0	SE243060.013	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP414_1.9-2.0	SE243060.014	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP415_1.9-2.0	SE243060.015	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP416_1.9-2.0	SE243060.016	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP417_1.9-2.0	SE243060.017	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP418_1.9-2.0	SE243060.018	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP419_1.9-2.0	SE243060.019	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
BH502M 2.1-2.2	SE243060.020	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_1.9-2.0	SE243060.001	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP402_1.9-2.0	SE243060.002	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP403_1.9-2.0	SE243060.003	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP404_1.9-2.0	SE243060.004	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP405_1.9-2.0	SE243060.005	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP406_1.9-2.0	SE243060.006	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP407_1.9-2.0	SE243060.007	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP48_1.9-2.0	SE243060.008	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP409_1.9-2.0	SE243060.009	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP410_1.9-2.0	SE243060.010	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP411_1.9-2.0	SE243060.011	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP412_1.9-2.0	SE243060.012	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP413_1.9-2.0	SE243060.013	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP414_1.9-2.0	SE243060.014	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP415_1.9-2.0	SE243060.015	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP416_1.9-2.0	SE243060.016	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP417_1.9-2.0	SE243060.017	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP418_1.9-2.0	SE243060.018	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP419_1.9-2.0	SE243060.019	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
BH502M 2.1-2.2	SE243060.020	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_1.9-2.0	SE243060.001	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP402_1.9-2.0	SE243060.002	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP403_1.9-2.0	SE243060.003	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP404_1.9-2.0	SE243060.004	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP405_1.9-2.0	SE243060.005	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP406_1.9-2.0	SE243060.006	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP407_1.9-2.0	SE243060.007	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP48_1.9-2.0	SE243060.008	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP409_1.9-2.0	SE243060.009	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP410_1.9-2.0	SE243060.010	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP411_1.9-2.0	SE243060.011	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP412_1.9-2.0	SE243060.012	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP413_1.9-2.0	SE243060.013	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP414_1.9-2.0	SE243060.014	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP415_1.9-2.0	SE243060.015	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP416_1.9-2.0	SE243060.016	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP417_1.9-2.0	SE243060.017	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP418_1.9-2.0	SE243060.018	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
TP419_1.9-2.0	SE243060.019	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023
BH502M 2.1-2.2	SE243060.020	LB271362	06 Feb 2023	09 Feb 2023	05 Aug 2023	14 Feb 2023	05 Aug 2023	17 Feb 2023

HOLDING TIME SUMMARY

SE243060 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_1.9-2.0	SE243060.001	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP402_1.9-2.0	SE243060.002	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP403_1.9-2.0	SE243060.003	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP404_1.9-2.0	SE243060.004	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP405_1.9-2.0	SE243060.005	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP406_1.9-2.0	SE243060.006	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP407_1.9-2.0	SE243060.007	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP48_1.9-2.0	SE243060.008	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP409_1.9-2.0	SE243060.009	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP410_1.9-2.0	SE243060.010	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP411_1.9-2.0	SE243060.011	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP412_1.9-2.0	SE243060.012	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP413_1.9-2.0	SE243060.013	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP414_1.9-2.0	SE243060.014	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP415_1.9-2.0	SE243060.015	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP416_1.9-2.0	SE243060.016	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP417_1.9-2.0	SE243060.017	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP418_1.9-2.0	SE243060.018	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
TP419_1.9-2.0	SE243060.019	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023
BH502M 2.1-2.2	SE243060.020	LB271339	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	26 Mar 2023	16 Feb 2023

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_1.9-2.0	SE243060.001	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP402_1.9-2.0	SE243060.002	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP403_1.9-2.0	SE243060.003	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP404_1.9-2.0	SE243060.004	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP405_1.9-2.0	SE243060.005	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP406_1.9-2.0	SE243060.006	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP407_1.9-2.0	SE243060.007	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP48_1.9-2.0	SE243060.008	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP409_1.9-2.0	SE243060.009	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP410_1.9-2.0	SE243060.010	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP411_1.9-2.0	SE243060.011	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP412_1.9-2.0	SE243060.012	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP413_1.9-2.0	SE243060.013	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP414_1.9-2.0	SE243060.014	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP415_1.9-2.0	SE243060.015	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP416_1.9-2.0	SE243060.016	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP417_1.9-2.0	SE243060.017	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP418_1.9-2.0	SE243060.018	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP419_1.9-2.0	SE243060.019	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
BH502M 2.1-2.2	SE243060.020	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_1.9-2.0	SE243060.001	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP402_1.9-2.0	SE243060.002	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP403_1.9-2.0	SE243060.003	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP404_1.9-2.0	SE243060.004	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP405_1.9-2.0	SE243060.005	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP406_1.9-2.0	SE243060.006	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP407_1.9-2.0	SE243060.007	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP48_1.9-2.0	SE243060.008	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP409_1.9-2.0	SE243060.009	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP410_1.9-2.0	SE243060.010	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP411_1.9-2.0	SE243060.011	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP412_1.9-2.0	SE243060.012	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP413_1.9-2.0	SE243060.013	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP414_1.9-2.0	SE243060.014	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP415_1.9-2.0	SE243060.015	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP416_1.9-2.0	SE243060.016	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP417_1.9-2.0	SE243060.017	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP418_1.9-2.0	SE243060.018	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
TP419_1.9-2.0	SE243060.019	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023
BH502M 2.1-2.2	SE243060.020	LB271361	06 Feb 2023	09 Feb 2023	20 Feb 2023	14 Feb 2023	20 Feb 2023	16 Feb 2023

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OC Pesticides in Soil — Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Tetrachloro-m-xylene (TCMX) (Surrogate)	TP401_1.9-2.0	SE243060.001	%	60 - 130%	105
	TP402_1.9-2.0	SE243060.002	%	60 - 130%	97
	TP403_1.9-2.0	SE243060.003	%	60 - 130%	103
	TP404_1.9-2.0	SE243060.004	%	60 - 130%	101
	TP405_1.9-2.0	SE243060.005	%	60 - 130%	104
	TP406_1.9-2.0	SE243060.006	%	60 - 130%	104
	TP407_1.9-2.0	SE243060.007	%	60 - 130%	107
	TP48_1.9-2.0	SE243060.008	%	60 - 130%	104
	TP409_1.9-2.0	SE243060.009	%	60 - 130%	105
	TP410_1.9-2.0	SE243060.010	%	60 - 130%	101
	TP411_1.9-2.0	SE243060.011	%	60 - 130%	106
	TP412_1.9-2.0	SE243060.012	%	60 - 130%	103
	TP413_1.9-2.0	SE243060.013	%	60 - 130%	105
	TP414_1.9-2.0	SE243060.014	%	60 - 130%	107
	TP415_1.9-2.0	SE243060.015	%	60 - 130%	107
	TP416_1.9-2.0	SE243060.016	%	60 - 130%	116
	TP417_1.9-2.0	SE243060.017	%	60 - 130%	102
	TP418_1.9-2.0	SE243060.018	%	60 - 130%	102
	TP419_1.9-2.0	SE243060.019	%	60 - 130%	107
	BH502M 2.1-2.2	SE243060.020	%	60 - 130%	106

OP Pesticides in Soil — Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	TP401_1.9-2.0	SE243060.001	%	60 - 130%	90
	TP402_1.9-2.0	SE243060.002	%	60 - 130%	87
	TP403_1.9-2.0	SE243060.003	%	60 - 130%	87
	TP404_1.9-2.0	SE243060.004	%	60 - 130%	91
	TP405_1.9-2.0	SE243060.005	%	60 - 130%	89
	TP406_1.9-2.0	SE243060.006	%	60 - 130%	88
	TP407_1.9-2.0	SE243060.007	%	60 - 130%	89
	TP48_1.9-2.0	SE243060.008	%	60 - 130%	86
	TP409_1.9-2.0	SE243060.009	%	60 - 130%	87
	TP410_1.9-2.0	SE243060.010	%	60 - 130%	84
	TP411_1.9-2.0	SE243060.011	%	60 - 130%	84
	TP412_1.9-2.0	SE243060.012	%	60 - 130%	88
	TP413_1.9-2.0	SE243060.013	%	60 - 130%	84
	TP414_1.9-2.0	SE243060.014	%	60 - 130%	89
	TP415_1.9-2.0	SE243060.015	%	60 - 130%	88
	TP416_1.9-2.0	SE243060.016	%	60 - 130%	91
	TP417_1.9-2.0	SE243060.017	%	60 - 130%	88
	TP418_1.9-2.0	SE243060.018	%	60 - 130%	88
	TP419_1.9-2.0	SE243060.019	%	60 - 130%	88
	BH502M 2.1-2.2	SE243060.020	%	60 - 130%	85
d14-p-terphenyl (Surrogate)	TP401_1.9-2.0	SE243060.001	%	60 - 130%	93
	TP402_1.9-2.0	SE243060.002	%	60 - 130%	91
	TP403_1.9-2.0	SE243060.003	%	60 - 130%	92
	TP404_1.9-2.0	SE243060.004	%	60 - 130%	94
	TP405_1.9-2.0	SE243060.005	%	60 - 130%	93
	TP406_1.9-2.0	SE243060.006	%	60 - 130%	92
	TP407_1.9-2.0	SE243060.007	%	60 - 130%	94
	TP48_1.9-2.0	SE243060.008	%	60 - 130%	90
	TP409_1.9-2.0	SE243060.009	%	60 - 130%	91
	TP410_1.9-2.0	SE243060.010	%	60 - 130%	89
	TP411_1.9-2.0	SE243060.011	%	60 - 130%	89
	TP412_1.9-2.0	SE243060.012	%	60 - 130%	92
	TP413_1.9-2.0	SE243060.013	%	60 - 130%	88
	TP414_1.9-2.0	SE243060.014	%	60 - 130%	93
	TP415_1.9-2.0	SE243060.015	%	60 - 130%	92
	TP416_1.9-2.0	SE243060.016	%	60 - 130%	97
	TP417_1.9-2.0	SE243060.017	%	60 - 130%	94
	TP418_1.9-2.0	SE243060.018	%	60 - 130%	93

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OP Pesticides in Soil (continued) — Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d14-p-terphenyl (Surrogate)	TP419_1.9-2.0	SE243060.019	%	60 - 130%	92
	BH502M 2.1-2.2	SE243060.020	%	60 - 130%	90

PAH (Polynuclear Aromatic Hydrocarbons) in Soil — Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	TP401_1.9-2.0	SE243060.001	%	70 - 130%	90
	TP402_1.9-2.0	SE243060.002	%	70 - 130%	87
	TP403_1.9-2.0	SE243060.003	%	70 - 130%	87
	TP404_1.9-2.0	SE243060.004	%	70 - 130%	91
	TP405_1.9-2.0	SE243060.005	%	70 - 130%	89
	TP406_1.9-2.0	SE243060.006	%	70 - 130%	88
	TP407_1.9-2.0	SE243060.007	%	70 - 130%	89
	TP48_1.9-2.0	SE243060.008	%	70 - 130%	86
	TP409_1.9-2.0	SE243060.009	%	70 - 130%	87
	TP410_1.9-2.0	SE243060.010	%	70 - 130%	84
	TP411_1.9-2.0	SE243060.011	%	70 - 130%	84
	TP412_1.9-2.0	SE243060.012	%	70 - 130%	88
	TP413_1.9-2.0	SE243060.013	%	70 - 130%	84
	TP414_1.9-2.0	SE243060.014	%	70 - 130%	89
	TP415_1.9-2.0	SE243060.015	%	70 - 130%	88
	TP416_1.9-2.0	SE243060.016	%	70 - 130%	91
	TP417_1.9-2.0	SE243060.017	%	70 - 130%	88
	TP418_1.9-2.0	SE243060.018	%	70 - 130%	88
	TP419_1.9-2.0	SE243060.019	%	70 - 130%	88
	BH502M 2.1-2.2	SE243060.020	%	70 - 130%	85
d14-p-terphenyl (Surrogate)	TP401_1.9-2.0	SE243060.001	%	70 - 130%	93
	TP402_1.9-2.0	SE243060.002	%	70 - 130%	91
	TP403_1.9-2.0	SE243060.003	%	70 - 130%	92
	TP404_1.9-2.0	SE243060.004	%	70 - 130%	94
	TP405_1.9-2.0	SE243060.005	%	70 - 130%	93
	TP406_1.9-2.0	SE243060.006	%	70 - 130%	92
	TP407_1.9-2.0	SE243060.007	%	70 - 130%	94
	TP48_1.9-2.0	SE243060.008	%	70 - 130%	90
	TP409_1.9-2.0	SE243060.009	%	70 - 130%	91
	TP410_1.9-2.0	SE243060.010	%	70 - 130%	89
	TP411_1.9-2.0	SE243060.011	%	70 - 130%	89
	TP412_1.9-2.0	SE243060.012	%	70 - 130%	92
	TP413_1.9-2.0	SE243060.013	%	70 - 130%	88
	TP414_1.9-2.0	SE243060.014	%	70 - 130%	93
	TP415_1.9-2.0	SE243060.015	%	70 - 130%	92
	TP416_1.9-2.0	SE243060.016	%	70 - 130%	97
	TP417_1.9-2.0	SE243060.017	%	70 - 130%	94
	TP418_1.9-2.0	SE243060.018	%	70 - 130%	93
	TP419_1.9-2.0	SE243060.019	%	70 - 130%	92
	BH502M 2.1-2.2	SE243060.020	%	70 - 130%	90
d5-nitrobenzene (Surrogate)	TP401_1.9-2.0	SE243060.001	%	70 - 130%	102
	TP402_1.9-2.0	SE243060.002	%	70 - 130%	101
	TP403_1.9-2.0	SE243060.003	%	70 - 130%	102
	TP404_1.9-2.0	SE243060.004	%	70 - 130%	105
	TP405_1.9-2.0	SE243060.005	%	70 - 130%	104
	TP406_1.9-2.0	SE243060.006	%	70 - 130%	103
	TP407_1.9-2.0	SE243060.007	%	70 - 130%	105
	TP48_1.9-2.0	SE243060.008	%	70 - 130%	102
	TP409_1.9-2.0	SE243060.009	%	70 - 130%	103
	TP410_1.9-2.0	SE243060.010	%	70 - 130%	99
	TP411_1.9-2.0	SE243060.011	%	70 - 130%	97
	TP412_1.9-2.0	SE243060.012	%	70 - 130%	102
	TP413_1.9-2.0	SE243060.013	%	70 - 130%	98
	TP414_1.9-2.0	SE243060.014	%	70 - 130%	103
	TP415_1.9-2.0	SE243060.015	%	70 - 130%	104
	TP416_1.9-2.0	SE243060.016	%	70 - 130%	108

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d5-nitrobenzene (Surrogate)	TP417_1.9-2.0	SE243060.017	%	70 - 130%	105
	TP418_1.9-2.0	SE243060.018	%	70 - 130%	103
	TP419_1.9-2.0	SE243060.019	%	70 - 130%	102
	BH502M 2.1-2.2	SE243060.020	%	70 - 130%	99

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
TCMX (Surrogate)	TP401_1.9-2.0	SE243060.001	%	60 - 130%	106
	TP402_1.9-2.0	SE243060.002	%	60 - 130%	99
	TP403_1.9-2.0	SE243060.003	%	60 - 130%	104
	TP404_1.9-2.0	SE243060.004	%	60 - 130%	102
	TP405_1.9-2.0	SE243060.005	%	60 - 130%	106
	TP406_1.9-2.0	SE243060.006	%	60 - 130%	106
	TP407_1.9-2.0	SE243060.007	%	60 - 130%	109
	TP48_1.9-2.0	SE243060.008	%	60 - 130%	106
	TP409_1.9-2.0	SE243060.009	%	60 - 130%	106
	TP410_1.9-2.0	SE243060.010	%	60 - 130%	103
	TP411_1.9-2.0	SE243060.011	%	60 - 130%	108
	TP412_1.9-2.0	SE243060.012	%	60 - 130%	105
	TP413_1.9-2.0	SE243060.013	%	60 - 130%	106
	TP414_1.9-2.0	SE243060.014	%	60 - 130%	109
	TP415_1.9-2.0	SE243060.015	%	60 - 130%	109
	TP416_1.9-2.0	SE243060.016	%	60 - 130%	118
	TP417_1.9-2.0	SE243060.017	%	60 - 130%	104
	TP418_1.9-2.0	SE243060.018	%	60 - 130%	104
	TP419_1.9-2.0	SE243060.019	%	60 - 130%	109
	BH502M 2.1-2.2	SE243060.020	%	60 - 130%	107

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	TP401_1.9-2.0	SE243060.001	%	60 - 130%	77
	TP402_1.9-2.0	SE243060.002	%	60 - 130%	63
	TP403_1.9-2.0	SE243060.003	%	60 - 130%	75
	TP404_1.9-2.0	SE243060.004	%	60 - 130%	57 ④
	TP405_1.9-2.0	SE243060.005	%	60 - 130%	57 ④
	TP406_1.9-2.0	SE243060.006	%	60 - 130%	63
	TP407_1.9-2.0	SE243060.007	%	60 - 130%	60
	TP48_1.9-2.0	SE243060.008	%	60 - 130%	61
	TP409_1.9-2.0	SE243060.009	%	60 - 130%	59 ④
	TP410_1.9-2.0	SE243060.010	%	60 - 130%	82
	TP411_1.9-2.0	SE243060.011	%	60 - 130%	76
	TP412_1.9-2.0	SE243060.012	%	60 - 130%	71
	TP413_1.9-2.0	SE243060.013	%	60 - 130%	84
	TP414_1.9-2.0	SE243060.014	%	60 - 130%	60
	TP415_1.9-2.0	SE243060.015	%	60 - 130%	72
	TP416_1.9-2.0	SE243060.016	%	60 - 130%	54 ④
	TP417_1.9-2.0	SE243060.017	%	60 - 130%	72
	TP418_1.9-2.0	SE243060.018	%	60 - 130%	91
	TP419_1.9-2.0	SE243060.019	%	60 - 130%	61
	BH502M 2.1-2.2	SE243060.020	%	60 - 130%	79
d4-1,2-dichloroethane (Surrogate)	TP401_1.9-2.0	SE243060.001	%	60 - 130%	88
	TP402_1.9-2.0	SE243060.002	%	60 - 130%	70
	TP403_1.9-2.0	SE243060.003	%	60 - 130%	88
	TP404_1.9-2.0	SE243060.004	%	60 - 130%	67
	TP405_1.9-2.0	SE243060.005	%	60 - 130%	67
	TP406_1.9-2.0	SE243060.006	%	60 - 130%	76
	TP407_1.9-2.0	SE243060.007	%	60 - 130%	71
	TP48_1.9-2.0	SE243060.008	%	60 - 130%	73
	TP409_1.9-2.0	SE243060.009	%	60 - 130%	73
	TP410_1.9-2.0	SE243060.010	%	60 - 130%	95
	TP411_1.9-2.0	SE243060.011	%	60 - 130%	91
	TP412_1.9-2.0	SE243060.012	%	60 - 130%	86

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d4-1,2-dichloroethane (Surrogate)	TP413_1.9-2.0	SE243060.013	%	60 - 130%	102
	TP414_1.9-2.0	SE243060.014	%	60 - 130%	71
	TP415_1.9-2.0	SE243060.015	%	60 - 130%	86
	TP416_1.9-2.0	SE243060.016	%	60 - 130%	69
	TP417_1.9-2.0	SE243060.017	%	60 - 130%	90
	TP418_1.9-2.0	SE243060.018	%	60 - 130%	107
	TP419_1.9-2.0	SE243060.019	%	60 - 130%	80
	BH502M 2.1-2.2	SE243060.020	%	60 - 130%	95
d8-toluene (Surrogate)	TP401_1.9-2.0	SE243060.001	%	60 - 130%	72
	TP402_1.9-2.0	SE243060.002	%	60 - 130%	65
	TP403_1.9-2.0	SE243060.003	%	60 - 130%	72
	TP404_1.9-2.0	SE243060.004	%	60 - 130%	62
	TP405_1.9-2.0	SE243060.005	%	60 - 130%	62
	TP406_1.9-2.0	SE243060.006	%	60 - 130%	71
	TP407_1.9-2.0	SE243060.007	%	60 - 130%	65
	TP48_1.9-2.0	SE243060.008	%	60 - 130%	68
	TP409_1.9-2.0	SE243060.009	%	60 - 130%	67
	TP410_1.9-2.0	SE243060.010	%	60 - 130%	78
	TP411_1.9-2.0	SE243060.011	%	60 - 130%	77
	TP412_1.9-2.0	SE243060.012	%	60 - 130%	70
	TP413_1.9-2.0	SE243060.013	%	60 - 130%	84
	TP414_1.9-2.0	SE243060.014	%	60 - 130%	66
	TP415_1.9-2.0	SE243060.015	%	60 - 130%	67
	TP416_1.9-2.0	SE243060.016	%	60 - 130%	61
	TP417_1.9-2.0	SE243060.017	%	60 - 130%	74
	TP418_1.9-2.0	SE243060.018	%	60 - 130%	89
	TP419_1.9-2.0	SE243060.019	%	60 - 130%	77
	BH502M 2.1-2.2	SE243060.020	%	60 - 130%	78

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	TP401_1.9-2.0	SE243060.001	%	60 - 130%	77
	TP402_1.9-2.0	SE243060.002	%	60 - 130%	63
	TP403_1.9-2.0	SE243060.003	%	60 - 130%	75
	TP404_1.9-2.0	SE243060.004	%	60 - 130%	57 ④
	TP405_1.9-2.0	SE243060.005	%	60 - 130%	57 ④
	TP406_1.9-2.0	SE243060.006	%	60 - 130%	63
	TP407_1.9-2.0	SE243060.007	%	60 - 130%	60
	TP48_1.9-2.0	SE243060.008	%	60 - 130%	61
	TP409_1.9-2.0	SE243060.009	%	60 - 130%	59 ④
	TP410_1.9-2.0	SE243060.010	%	60 - 130%	82
	TP411_1.9-2.0	SE243060.011	%	60 - 130%	76
	TP412_1.9-2.0	SE243060.012	%	60 - 130%	71
	TP413_1.9-2.0	SE243060.013	%	60 - 130%	84
	TP414_1.9-2.0	SE243060.014	%	60 - 130%	60
	TP415_1.9-2.0	SE243060.015	%	60 - 130%	72
	TP416_1.9-2.0	SE243060.016	%	60 - 130%	54 ④
	TP417_1.9-2.0	SE243060.017	%	60 - 130%	72
	TP418_1.9-2.0	SE243060.018	%	60 - 130%	91
	TP419_1.9-2.0	SE243060.019	%	60 - 130%	61
	BH502M 2.1-2.2	SE243060.020	%	60 - 130%	79
d4-1,2-dichloroethane (Surrogate)	TP401_1.9-2.0	SE243060.001	%	60 - 130%	88
	TP402_1.9-2.0	SE243060.002	%	60 - 130%	70
	TP403_1.9-2.0	SE243060.003	%	60 - 130%	88
	TP404_1.9-2.0	SE243060.004	%	60 - 130%	67
	TP405_1.9-2.0	SE243060.005	%	60 - 130%	67
	TP406_1.9-2.0	SE243060.006	%	60 - 130%	76
	TP407_1.9-2.0	SE243060.007	%	60 - 130%	71
	TP48_1.9-2.0	SE243060.008	%	60 - 130%	73
	TP409_1.9-2.0	SE243060.009	%	60 - 130%	73
	TP410_1.9-2.0	SE243060.010	%	60 - 130%	95

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d4-1,2-dichloroethane (Surrogate)	TP411_1.9-2.0	SE243060.011	%	60 - 130%	91
	TP412_1.9-2.0	SE243060.012	%	60 - 130%	86
	TP413_1.9-2.0	SE243060.013	%	60 - 130%	102
	TP414_1.9-2.0	SE243060.014	%	60 - 130%	71
	TP415_1.9-2.0	SE243060.015	%	60 - 130%	86
	TP416_1.9-2.0	SE243060.016	%	60 - 130%	69
	TP417_1.9-2.0	SE243060.017	%	60 - 130%	90
	TP418_1.9-2.0	SE243060.018	%	60 - 130%	107
	TP419_1.9-2.0	SE243060.019	%	60 - 130%	80
	BH502M 2.1-2.2	SE243060.020	%	60 - 130%	95
d8-toluene (Surrogate)	TP401_1.9-2.0	SE243060.001	%	60 - 130%	72
	TP402_1.9-2.0	SE243060.002	%	60 - 130%	65
	TP403_1.9-2.0	SE243060.003	%	60 - 130%	72
	TP404_1.9-2.0	SE243060.004	%	60 - 130%	62
	TP405_1.9-2.0	SE243060.005	%	60 - 130%	62
	TP406_1.9-2.0	SE243060.006	%	60 - 130%	71
	TP407_1.9-2.0	SE243060.007	%	60 - 130%	65
	TP48_1.9-2.0	SE243060.008	%	60 - 130%	68
	TP409_1.9-2.0	SE243060.009	%	60 - 130%	67
	TP410_1.9-2.0	SE243060.010	%	60 - 130%	78
	TP411_1.9-2.0	SE243060.011	%	60 - 130%	77
	TP412_1.9-2.0	SE243060.012	%	60 - 130%	70
	TP413_1.9-2.0	SE243060.013	%	60 - 130%	84
	TP414_1.9-2.0	SE243060.014	%	60 - 130%	66
	TP415_1.9-2.0	SE243060.015	%	60 - 130%	67
	TP416_1.9-2.0	SE243060.016	%	60 - 130%	61
	TP417_1.9-2.0	SE243060.017	%	60 - 130%	74
	TP418_1.9-2.0	SE243060.018	%	60 - 130%	89
	TP419_1.9-2.0	SE243060.019	%	60 - 130%	77
	BH502M 2.1-2.2	SE243060.020	%	60 - 130%	78

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Number	Parameter	Units	LOR	Result
LB271365.001	Mercury	mg/kg	0.05	<0.05

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB271339.001		Alpha BHC	mg/kg	0.1	<0.1
		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1
		Beta BHC	mg/kg	0.1	<0.1
		Lindane (gamma BHC)	mg/kg	0.1	<0.1
		Delta BHC	mg/kg	0.1	<0.1
		Heptachlor	mg/kg	0.1	<0.1
		Aldrin	mg/kg	0.1	<0.1
		Isodrin	mg/kg	0.1	<0.1
		Heptachlor epoxide	mg/kg	0.1	<0.1
		Gamma Chlordane	mg/kg	0.1	<0.1
		Alpha Chlordane	mg/kg	0.1	<0.1
		Alpha Endosulfan	mg/kg	0.2	<0.1
		p,p'-DDE	mg/kg	0.1	<0.1
		Dieldrin	mg/kg	0.2	<0.1
		Endrin	mg/kg	0.2	<0.1
		Beta Endosulfan	mg/kg	0.2	<0.1
		p,p'-DDD	mg/kg	0.1	<0.1
		Endrin aldehyde	mg/kg	0.1	<0.1
		Endosulfan sulphate	mg/kg	0.1	<0.1
		p,p'-DDT	mg/kg	0.1	<0.1
		Endrin ketone	mg/kg	0.1	<0.1
		Methoxychlor	mg/kg	0.1	<0.1
		Mirex	mg/kg	0.1	<0.1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	92

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB271339.001		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2
		Bromophos Ethyl	mg/kg	0.2	<0.2
		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2
		Diazinon (Dimpylate)	mg/kg	0.5	<0.5
		Dichlorvos	mg/kg	0.5	<0.5
		Dimethoate	mg/kg	0.5	<0.5
		Ethion	mg/kg	0.2	<0.2
		Fenitrothion	mg/kg	0.2	<0.2
		Malathion	mg/kg	0.2	<0.2
		Methidathion	mg/kg	0.5	<0.5
		Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2
	Surrogates	2-fluorobiphenyl (Surrogate)	%	-	87
		d14-p-terphenyl (Surrogate)	%	-	93

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number	Parameter	Units	LOR	Result
LB271339.001	Naphthalene	mg/kg	0.1	<0.1
	2-methylnaphthalene	mg/kg	0.1	<0.1
	1-methylnaphthalene	mg/kg	0.1	<0.1
	Acenaphthylene	mg/kg	0.1	<0.1
	Acenaphthene	mg/kg	0.1	<0.1
	Fluorene	mg/kg	0.1	<0.1
	Phenanthrene	mg/kg	0.1	<0.1
	Anthracene	mg/kg	0.1	<0.1
	Fluoranthene	mg/kg	0.1	<0.1
	Pyrene	mg/kg	0.1	<0.1
	Benzo(a)anthracene	mg/kg	0.1	<0.1
	Chrysene	mg/kg	0.1	<0.1
	Benzo(a)pyrene	mg/kg	0.1	<0.1

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB271339.001		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1
		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1
		Benzo(ghi)perylene	mg/kg	0.1	<0.1
		Total PAH (18)	mg/kg	0.8	<0.1
	Surrogates	d5-nitrobenzene (Surrogate)	%	-	100
		2-fluorobiphenyl (Surrogate)	%	-	87
		d14-p-terphenyl (Surrogate)	%	-	93

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB271339.001		Arochlor 1016	mg/kg	0.2	<0.2
		Arochlor 1221	mg/kg	0.2	<0.2
		Arochlor 1232	mg/kg	0.2	<0.2
		Arochlor 1242	mg/kg	0.2	<0.2
		Arochlor 1248	mg/kg	0.2	<0.2
		Arochlor 1254	mg/kg	0.2	<0.2
		Arochlor 1260	mg/kg	0.2	<0.2
		Arochlor 1262	mg/kg	0.2	<0.2
		Arochlor 1268	mg/kg	0.2	<0.2
		Total PCBs (Arochlors)	mg/kg	1	<1
	Surrogates	TCMX (Surrogate)	%	-	94

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Number		Parameter	Units	LOR	Result
LB271362.001		Arsenic, As	mg/kg	1	<1
		Cadmium, Cd	mg/kg	0.3	<0.3
		Chromium, Cr	mg/kg	0.5	<0.5
		Copper, Cu	mg/kg	0.5	<0.5
		Nickel, Ni	mg/kg	0.5	<0.5
		Lead, Pb	mg/kg	1	<1
		Zinc, Zn	mg/kg	2	<2.0

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Number		Parameter	Units	LOR	Result
LB271339.001		TRH C10-C14	mg/kg	20	<20
		TRH C15-C28	mg/kg	45	<45
		TRH C29-C36	mg/kg	45	<45
		TRH C37-C40	mg/kg	100	<100
		TRH C10-C36 Total	mg/kg	110	<110

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB271361.001	Monocyclic Aromatic Hydrocarbons	Benzene	mg/kg	0.1	<0.1
		Toluene	mg/kg	0.1	<0.1
		Ethylbenzene	mg/kg	0.1	<0.1
		m/p-xylene	mg/kg	0.2	<0.2
		o-xylene	mg/kg	0.1	<0.1
	Polycyclic VOCs	Naphthalene (VOC)*	mg/kg	0.1	<0.1
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	106
		d8-toluene (Surrogate)	%	-	88
		Bromofluorobenzene (Surrogate)	%	-	93
	Totals	Total BTEX*	mg/kg	0.6	<0.3

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB271361.001		TRH C6-C9	mg/kg	20	<20
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	106

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060.010	LB271365.014	Mercury	mg/kg	0.05	<0.05	<0.05	170	0

Moisture Content

Method: ME-(AU)-[ENV]AN002

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060.010	LB271353.011	% Moisture	%w/w	1	44.6	44.8	32	1
SE243060.020	LB271353.022	% Moisture	%w/w	1	70.3	70.7	31	0

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060.010	LB271339.014		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.1	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.1	200	0
			Endrin	mg/kg	0.2	<0.2	<0.1	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.1	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.15	0.15	30	2
SE243060.020	LB271339.025		Alpha BHC	mg/kg	0.1	<0.3	<0.3	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.3	<0.3	200	0
			Beta BHC	mg/kg	0.1	<0.3	<0.3	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.3	<0.3	200	0
			Delta BHC	mg/kg	0.1	<0.3	<0.3	200	0
			Heptachlor	mg/kg	0.1	<0.3	<0.3	200	0
			Aldrin	mg/kg	0.1	<0.3	<0.3	200	0
			Isodrin	mg/kg	0.1	<0.3	<0.3	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.3	<0.3	200	0
			Gamma Chlordane	mg/kg	0.1	<0.3	<0.3	200	0
			Alpha Chlordane	mg/kg	0.1	<0.3	<0.3	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.6	<0.6	200	0
			o,p'-DDE*	mg/kg	0.1	<0.3	<0.3	200	0
			p,p'-DDE	mg/kg	0.1	<0.3	<0.3	200	0
			Dieldrin	mg/kg	0.2	<0.6	<0.6	200	0
			Endrin	mg/kg	0.2	<0.6	<0.6	200	0
			Beta Endosulfan	mg/kg	0.2	<0.6	<0.6	200	0
			o,p'-DDD*	mg/kg	0.1	<0.3	<0.3	200	0
			p,p'-DDD	mg/kg	0.1	<0.3	<0.3	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OC Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060.020	LB271339.025		Endrin aldehyde	mg/kg	0.1	<0.3	<0.3	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.3	<0.3	200	0
			o,p'-DDT*	mg/kg	0.1	<0.3	<0.3	200	0
			p,p'-DDT	mg/kg	0.1	<0.3	<0.3	200	0
			Endrin ketone	mg/kg	0.1	<0.3	<0.3	200	0
			Methoxychlor	mg/kg	0.1	<0.3	<0.3	200	0
			Mirex	mg/kg	0.1	<0.3	<0.3	200	0
			trans-Nonachlor	mg/kg	0.1	<0.3	<0.3	200	0
			Total CLP OC Pesticides	mg/kg	1	<3	<3	200	0
			Total OC VIC EPA	mg/kg	1	<3	<3	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.16	0.16	30	1

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060.010	LB271339.014		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	1
SE243060.020	LB271339.025		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.6	<0.6	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.6	<0.6	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.6	<0.6	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<1.5	<1.5	200	0
			Dichlorvos	mg/kg	0.5	<1.5	<1.5	200	0
			Dimethoate	mg/kg	0.5	<1.5	<1.5	200	0
			Ethion	mg/kg	0.2	<0.6	<0.6	200	0
			Fenitrothion	mg/kg	0.2	<0.6	<0.6	200	0
			Malathion	mg/kg	0.2	<0.6	<0.6	200	0
			Methidathion	mg/kg	0.5	<1.5	<1.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.6	<0.6	200	0
			Total OP Pesticides*	mg/kg	1.7	<5.1	<5.1	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	7
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	7

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060.010	LB271339.014	Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
		2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
		1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
		Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
		Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
		Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
		Phenanthrene	mg/kg	0.1	<0.1	<0.1	200	0
		Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
		Fluoranthene	mg/kg	0.1	<0.1	<0.1	142	0
		Pyrene	mg/kg	0.1	<0.1	<0.1	200	0
		Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
		Chrysene	mg/kg	0.1	<0.1	<0.1	200	0
		Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
		Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
		Benzo(a)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	200	0
		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060.010	LB271339.014		Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.2	<0.2	200	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.2	<0.2	175	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.3	<0.3	134	0
			Total PAH (18)	mg/kg	0.8	<0.8	<0.1	200	0
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	0
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	1
SE243060.020	LB271339.025		Naphthalene	mg/kg	0.1	<0.3	<0.3	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.3	<0.3	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.3	<0.3	200	0
			Acenaphthylene	mg/kg	0.1	<0.3	<0.3	200	0
			Acenaphthene	mg/kg	0.1	<0.3	<0.3	200	0
			Fluorene	mg/kg	0.1	<0.3	<0.3	200	0
			Phenanthrene	mg/kg	0.1	0.3	<0.3	82	3
			Anthracene	mg/kg	0.1	<0.3	<0.3	184	0
			Fluoranthene	mg/kg	0.1	0.7	<0.3	52	85 ②
			Pyrene	mg/kg	0.1	0.7	<0.3	51	85 ②
			Benzo(a)anthracene	mg/kg	0.1	0.4	<0.3	71	24
			Chrysene	mg/kg	0.1	0.3	<0.3	80	8
			Benzo(b&j)fluoranthene	mg/kg	0.1	0.4	<0.3	67	34
			Benzo(k)fluoranthene	mg/kg	0.1	<0.3	<0.3	115	0
			Benzo(a)pyrene	mg/kg	0.1	0.4	<0.3	74	19
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.3	<0.3	98	0
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.3	<0.3	200	0
			Benzo(ghi)perylene	mg/kg	0.1	<0.3	<0.3	96	0
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	<0.6	<0.6	90	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	<0.6	<0.6	70	0
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	<0.9	<0.9	82	0
			Total PAH (18)	mg/kg	0.8	4.0	<2.4	34	51 ②
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	8
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	7
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	7

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060.010	LB271339.014		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1260	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	200	0
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	200	0
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	30	2
SE243060.020	LB271339.025		Arochlor 1016	mg/kg	0.2	<0.6	<0.6	200	0
			Arochlor 1221	mg/kg	0.2	<0.6	<0.6	200	0
			Arochlor 1232	mg/kg	0.2	<0.6	<0.6	200	0
			Arochlor 1242	mg/kg	0.2	<0.6	<0.6	200	0
			Arochlor 1248	mg/kg	0.2	<0.6	<0.6	200	0
			Arochlor 1254	mg/kg	0.2	<0.6	<0.6	200	0
			Arochlor 1260	mg/kg	0.2	<0.6	<0.6	200	0
			Arochlor 1262	mg/kg	0.2	<0.6	<0.6	200	0
			Arochlor 1268	mg/kg	0.2	<0.6	<0.6	200	0
			Total PCBs (Arochlors)	mg/kg	1	<3	<3	200	0
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	30	1

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Original	Duplicate		Parameter	Units	LOR

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES (continued)

Method: ME-(AU)-[ENV]AN040/AN320

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060.010	LB271362.014	Arsenic, As	mg/kg	1	3	3	65	22
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	20	19	33	5
		Copper, Cu	mg/kg	0.5	18	20	33	10
		Nickel, Ni	mg/kg	0.5	4.7	5.3	40	11
		Lead, Pb	mg/kg	1	11	10	39	8
		Zinc, Zn	mg/kg	2	4.3	4.2	77	1

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060.010	LB271339.014		TRH C10-C14	mg/kg	20	<20	<20	190	0
			TRH C15-C28	mg/kg	45	<45	<45	164	0
			TRH C29-C36	mg/kg	45	50	54	116	7
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	<110	200	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	<90	154	0
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0
SE243060.020	LB271339.025		TRH C10-C14	mg/kg	20	<60	<60	140	0
			TRH C15-C28	mg/kg	45	<140	<140	78	0
			TRH C29-C36	mg/kg	45	<140	<140	69	0
			TRH C37-C40	mg/kg	100	<300	<300	200	0
			TRH C10-C36 Total	mg/kg	110	<330	<330	80	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<630	<630	146	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<75	<75	163	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<270	<270	80	0
			TRH >C34-C40 (F4)	mg/kg	120	<360	<360	200	0

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060.010	LB271361.014	Monocyclic Aromatic	Benzene	mg/kg	0.1	<0.1	<0.1	200	0
			Toluene	mg/kg	0.1	<0.1	<0.1	200	0
			Ethylbenzene	mg/kg	0.1	<0.1	<0.1	200	0
			m/p-xylene	mg/kg	0.2	<0.2	<0.2	200	0
			o-xylene	mg/kg	0.1	<0.1	<0.1	200	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.5	9.8	50	3
			d8-toluene (Surrogate)	mg/kg	-	7.8	8.2	50	4
			Bromofluorobenzene (Surrogate)	mg/kg	-	8.2	8.3	50	1
		Totals	Total BTEX*	mg/kg	0.6	<0.6	<0.3	200	0
			Total Xylenes*	mg/kg	0.3	<0.3	<0.3	200	0
SE243060.020	LB271361.025	Monocyclic Aromatic	Benzene	mg/kg	0.1	<0.2	<0.2	200	0
			Toluene	mg/kg	0.1	<0.2	<0.2	200	0
			Ethylbenzene	mg/kg	0.1	<0.2	<0.2	200	0
			m/p-xylene	mg/kg	0.2	<0.4	<0.4	200	0
			o-xylene	mg/kg	0.1	<0.2	<0.2	200	0
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.2	<0.2	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.5	9.7	50	2
			d8-toluene (Surrogate)	mg/kg	-	7.8	7.9	50	2
			Bromofluorobenzene (Surrogate)	mg/kg	-	7.9	8.2	50	4
		Totals	Total BTEX*	mg/kg	0.6	<1.2	<1.2	200	0
			Total Xylenes*	mg/kg	0.3	<0.6	<0.6	200	0

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060.010	LB271361.014		TRH C6-C10	mg/kg	25	<25	<25	200	0
			TRH C6-C9	mg/kg	20	<20	<20	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.5	9.8	30	3
			d8-toluene (Surrogate)	mg/kg	-	7.8	8.2	30	4

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060.010	LB271361.014	Surrogates	Bromofluorobenzene (Surrogate)	mg/kg	-	8.2	8.3	30	1
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.1	<0.1	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	200	0
SE243060.020	LB271361.025		TRH C6-C10	mg/kg	25	<50	<50	200	0
			TRH C6-C9	mg/kg	20	<40	<40	200	0
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.5	9.7	30	2
			d8-toluene (Surrogate)	mg/kg	-	7.8	7.9	30	2
			Bromofluorobenzene (Surrogate)	mg/kg	-	7.9	8.2	30	4
		VPH F Bands	Benzene (F0)	mg/kg	0.1	<0.2	<0.2	200	0
			TRH C6-C10 minus BTEX (F1)	mg/kg	25	<50	<50	200	0

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB271365.002	Mercury	mg/kg	0.05	0.19	0.2	70 - 130	95

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB271339.002		Delta BHC	mg/kg	0.1	0.2	0.2	60 - 140	87
		Heptachlor	mg/kg	0.1	0.2	0.2	60 - 140	92
		Aldrin	mg/kg	0.1	0.2	0.2	60 - 140	89
		Dieldrin	mg/kg	0.2	0.2	0.2	60 - 140	92
		Endrin	mg/kg	0.2	0.2	0.2	60 - 140	88
		p,p'-DDT	mg/kg	0.1	0.2	0.2	60 - 140	79
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.13	0.15	40 - 130	90

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB271339.002		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	1.6	2	60 - 140	81
		Diazinon (Dimpylate)	mg/kg	0.5	1.7	2	60 - 140	84
		Dichlorvos	mg/kg	0.5	1.6	2	60 - 140	79
		Ethion	mg/kg	0.2	1.5	2	60 - 140	75
	Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.5	40 - 130	86
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	40 - 130	82

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB271339.002		Naphthalene	mg/kg	0.1	4.1	4	60 - 140	103
		Acenaphthylene	mg/kg	0.1	4.2	4	60 - 140	104
		Acenaphthene	mg/kg	0.1	4.0	4	60 - 140	101
		Phenanthrene	mg/kg	0.1	4.0	4	60 - 140	100
		Anthracene	mg/kg	0.1	4.1	4	60 - 140	101
		Fluoranthene	mg/kg	0.1	4.3	4	60 - 140	106
		Pyrene	mg/kg	0.1	4.1	4	60 - 140	103
		Benzo(a)pyrene	mg/kg	0.1	4.4	4	60 - 140	110
	Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	40 - 130	95
		2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.5	40 - 130	86
		d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	40 - 130	82

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB271339.002	Arochlor 1260	mg/kg	0.2	0.4	0.4	60 - 140	96

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB271362.002	Arsenic, As	mg/kg	1	340	318.22	80 - 120	106
	Cadmium, Cd	mg/kg	0.3	4.3	4.81	70 - 130	90
	Chromium, Cr	mg/kg	0.5	41	38.31	80 - 120	106
	Copper, Cu	mg/kg	0.5	320	290	80 - 120	110
	Nickel, Ni	mg/kg	0.5	190	187	80 - 120	102
	Lead, Pb	mg/kg	1	92	89.9	80 - 120	103
	Zinc, Zn	mg/kg	2	280	273	80 - 120	102

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB271339.002		TRH C10-C14	mg/kg	20	53	40	60 - 140	133
		TRH C15-C28	mg/kg	45	51	40	60 - 140	126
		TRH C29-C36	mg/kg	45	<45	40	60 - 140	89
	TRH F Bands	TRH >C10-C16	mg/kg	25	48	40	60 - 140	119
		TRH >C16-C34 (F3)	mg/kg	90	<90	40	60 - 140	116
		TRH >C34-C40 (F4)	mg/kg	120	<120	20	60 - 140	81

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number	Parameter	Units	LOR

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB271361.002	Monocyclic	Benzene	mg/kg	0.1	4.8	5	60 - 140	95
	Aromatic	Toluene	mg/kg	0.1	4.5	5	60 - 140	91
		Ethylbenzene	mg/kg	0.1	4.5	5	60 - 140	91
		m/p-xylene	mg/kg	0.2	8.8	10	60 - 140	88
		o-xylene	mg/kg	0.1	4.7	5	60 - 140	93
	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.9	10	70 - 130	99
		d8-toluene (Surrogate)	mg/kg	-	9.5	10	70 - 130	95
		Bromofluorobenzene (Surrogate)	mg/kg	-	9.5	10	70 - 130	95

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB271361.002		TRH C6-C10	mg/kg	25	68	92.5	60 - 140	73
		TRH C6-C9	mg/kg	20	59	80	60 - 140	73
	Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	9.9	10	70 - 130	99
		Bromofluorobenzene (Surrogate)	mg/kg	-	9.5	10	70 - 130	95
	VPH F Bands	TRH C6-C10 minus BTEX (F1)	mg/kg	25	41	62.5	60 - 140	65

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE243060.001	LB271339.004		Alpha BHC	mg/kg	0.1	<0.1	<0.1	-	-
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	-	-
			Beta BHC	mg/kg	0.1	<0.1	<0.1	-	-
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	-	-
			Delta BHC	mg/kg	0.1	0.2	<0.1	0.2	99
			Heptachlor	mg/kg	0.1	0.2	<0.1	0.2	105
			Aldrin	mg/kg	0.1	0.2	<0.1	0.2	101
			Isodrin	mg/kg	0.1	<0.1	<0.1	-	-
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	-	-
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	-	-
			Alpha Endosulfan	mg/kg	0.2	<0.1	<0.2	-	-
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	-	-
			Dieldrin	mg/kg	0.2	0.2	<0.2	0.2	99
			Endrin	mg/kg	0.2	0.2	<0.2	0.2	91
			Beta Endosulfan	mg/kg	0.2	<0.1	<0.2	-	-
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	-	-
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	-	-
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	-	-
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	-	-
			p,p'-DDT	mg/kg	0.1	0.2	<0.1	0.2	81
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	-	-
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	-	-
			Mirex	mg/kg	0.1	<0.1	<0.1	-	-
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	-	-
			Total CLP OC Pesticides	mg/kg	1	1	<1	-	-
			Total OC VIC EPA	mg/kg	1	1	<1	-	-
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.16	0.16	-	106

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE243060.001	LB271339.004		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<1.0	-	-
			Bromophos Ethyl	mg/kg	0.2	<0.2	<1.0	-	-
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	1.9	<1.0	2	94
			Diazinon (Dimpylate)	mg/kg	0.5	1.9	<2.5	2	97
			Dichlorvos	mg/kg	0.5	1.8	<2.5	2	92
			Dimethoate	mg/kg	0.5	<0.5	<2.5	-	-
			Ethion	mg/kg	0.2	2.0	<1.0	2	100
			Fenitrothion	mg/kg	0.2	<0.2	<1.0	-	-
			Malathion	mg/kg	0.2	<0.2	<1.0	-	-
			Methidathion	mg/kg	0.5	<0.5	<2.5	-	-
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<1.0	-	-
			Total OP Pesticides*	mg/kg	1.7	7.7	<8.5	-	-
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.4	-	94
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	-	87

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE243060.001	LB271339.004	Naphthalene	mg/kg	0.1	4.5	<0.5	4	112
		2-methylnaphthalene	mg/kg	0.1	<0.1	<0.5	-	-
		1-methylnaphthalene	mg/kg	0.1	<0.1	<0.5	-	-
		Acenaphthylene	mg/kg	0.1	4.5	<0.5	4	113
		Acenaphthene	mg/kg	0.1	4.3	<0.5	4	108
		Fluorene	mg/kg	0.1	<0.1	<0.5	-	-
		Phenanthrene	mg/kg	0.1	4.3	<0.5	4	106
		Anthracene	mg/kg	0.1	4.4	<0.5	4	109
		Fluoranthene	mg/kg	0.1	4.6	<0.5	4	114
		Pyrene	mg/kg	0.1	4.3	<0.5	4	106
		Benzo(a)anthracene	mg/kg	0.1	<0.1	<0.5	-	-
		Chrysene	mg/kg	0.1	<0.1	<0.5	-	-

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE243060.001	LB271339.004		Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	<0.5	-	-
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.5	-	-
			Benzo(a)pyrene	mg/kg	0.1	4.6	<0.5	4	115
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.5	-	-
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.5	-	-
			Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.5	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	4.6	<1.0	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	4.7	<1.0	-	-
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	4.8	<1.5	-	-
			Total PAH (18)	mg/kg	0.8	35	<4.0	-	-
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	-	105
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.4	-	94
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	-	87

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE243060.001	LB271339.004		Arochlor 1016	mg/kg	0.2	<0.2	<1.0	-	-
			Arochlor 1221	mg/kg	0.2	<0.2	<1.0	-	-
			Arochlor 1232	mg/kg	0.2	<0.2	<1.0	-	-
			Arochlor 1242	mg/kg	0.2	<0.2	<1.0	-	-
			Arochlor 1248	mg/kg	0.2	<0.2	<1.0	-	-
			Arochlor 1254	mg/kg	0.2	<0.2	<1.0	-	-
			Arochlor 1260	mg/kg	0.2	0.5	<1.0	0.4	119
			Arochlor 1262	mg/kg	0.2	<0.2	<1.0	-	-
			Arochlor 1268	mg/kg	0.2	<0.2	<1.0	-	-
			Total PCBs (Arochlors)	mg/kg	1	<1	<5	-	-
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	-	107

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

QC Sample	Sample Number	Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE243060.001	LB271362.004	Arsenic, As	mg/kg	1	51	3	50	96
		Cadmium, Cd	mg/kg	0.3	46	<0.3	50	93
		Chromium, Cr	mg/kg	0.5	51	9.4	50	83
		Copper, Cu	mg/kg	0.5	52	11	50	83
		Nickel, Ni	mg/kg	0.5	52	16	50	73
		Lead, Pb	mg/kg	1	49	4	50	90
		Zinc, Zn	mg/kg	2	50	10	50	78

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE243060.001	LB271339.004		TRH C10-C14	mg/kg	20	450	<120	40	1024 ⑤
			TRH C15-C28	mg/kg	45	1500	1300	40	555 ⑤
			TRH C29-C36	mg/kg	45	1300	1300	40	229 ⑤
			TRH C37-C40	mg/kg	100	<600	<600	-	-
			TRH C10-C36 Total	mg/kg	110	3300	2600	-	-
			TRH >C10-C40 Total (F bands)	mg/kg	210	3300	2700	-	-
		TRH F	TRH >C10-C16	mg/kg	25	440	<150	40	968 ⑤
		Bands	TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	440	50	-	-
			TRH >C16-C34 (F3)	mg/kg	90	2500	2400	40	151 ⑤
			TRH >C34-C40 (F4)	mg/kg	120	<720	<720	-	-

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE243060.001	LB271361.004	Monocyclic	Benzene	mg/kg	0.1	37	<0.5	5	744 ④
		Aromatic	Toluene	mg/kg	0.1	36	<0.5	5	719 ④
			Ethylbenzene	mg/kg	0.1	32	<0.5	5	640 ④
			m/p-xylene	mg/kg	0.2	62	<1.0	10	617 ④
			o-xylene	mg/kg	0.1	33	<0.5	5	664 ④
		Polycyclic	Naphthalene (VOC)*	mg/kg	0.1	<0.5	<0.5	-	-
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	12.3	8.8	10	123
			d8-toluene (Surrogate)	mg/kg	-	11.7	7.2	10	117
			Bromofluorobenzene (Surrogate)	mg/kg	-	10.4	7.7	10	104
		Totals	Total BTEX*	mg/kg	0.6	200	<3.0	-	-

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub -sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE243060.001	LB271361.004	Totals	Total Xylenes*	mg/kg	0.3	95	<1.5	-	-

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

QC Sample	Sample Number		Parameter	Units	LOR	Result	Original	Spike	Recovery%
SE243060.001	LB271361.004		TRH C6-C10	mg/kg	25	540	<130	92.5	580 ④
			TRH C6-C9	mg/kg	20	470	<100	80	580 ④
		Surrogates	d4-1,2-dichloroethane (Surrogate)	mg/kg	-	12.3	8.8	10	123
			d8-toluene (Surrogate)	mg/kg	-	11.7	7.2	10	117
			Bromofluorobenzene (Surrogate)	mg/kg	-	10.4	7.7	-	104
		VPH F	Benzene (F0)	mg/kg	0.1	37	<0.5	-	-
		Bands	TRH C6-C10 minus BTEX (F1)	mg/kg	25	340	<130	62.5	538 ④

MATRIX SPIKE DUPLICATES

SE243060 R0

Matrix spike duplicates are calculated as Relative Percent Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The original result is the analyte concentration of the matrix spike. The Duplicate result is the analyte concentration of the matrix spike duplicate.

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the

No matrix spike duplicates were required for this job.

Samples analysed as received.

Solid samples expressed on a dry weight basis.

QC criteria are subject to internal review according to the SGS QA/QC plan and may be provided on request or alternatively can be found here: https://www.sgs.com.au/~/media/Local/Australia/Documents/Technical Documents/MP-AU-ENV-QU-022 QA QC Plan.pdf

*	NATA accreditation does not cover the performance of this service.
**	Indicative data, theoretical holding time exceeded.
***	Indicates that both * and ** apply.
-	Sample not analysed for this analyte.
IS	Insufficient sample for analysis.
LNR	Sample listed, but not received.
LOR	Limit of reporting.
QFH	QC result is above the upper tolerance.
QFL	QC result is below the lower tolerance.
①	At least 2 of 3 surrogates are within acceptance criteria.
②	RPD failed acceptance criteria due to sample heterogeneity.
③	Results less than 5 times LOR preclude acceptance criteria for RPD.
④	Recovery failed acceptance criteria due to matrix interference.
⑤	Recovery failed acceptance criteria due to the presence of significant concentration of analyte (i.e. the concentration of analyte exceeds the spike level).
⑥	LOR was raised due to sample matrix interference.
⑦	LOR was raised due to dilution of significantly high concentration of analyte in sample.
⑧	Reanalysis of sample in duplicate confirmed sample heterogeneity and inconsistency of results.
⑨	Recovery failed acceptance criteria due to sample heterogeneity.
⑩	LOR was raised due to high conductivity of the sample (required dilution).
†	Refer to relevant report comments for further information.

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

Contact	Geisiane Torres
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	Geisiane.Torres @eiaustralia.com.au
Project	**E25947 600-660 Elizabeth St Red Fern**
Order Number	**E25947**
Samples	20

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE243060 R0**
Date Received	09 Feb 2023
Date Reported	20 Feb 2023

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

VPH/OCPCB/TRH/PAH/OP - The Limit of Reporting (LOR) has been raised due to high moisture content of the sample.
No respirable fibres detected in all soil samples using trace analysis technique.
Asbestos analysed by Approved Identifier Yusuf Kuthpudin and Ravee Sivasubramaniam

SIGNATORIES

S. Ravee

Ravee SIVASUBRAMANIAM
Hygiene Team Leader

RESULTS

Fibre Identification in soil — Method AS4964/AN602

Laboratory Reference	Client Reference	Matrix	Sample Description	Date Sampled	Fibre Identification	Est.%w/w*
SE243060.001	TP401_1.9-2.0	Soil	17g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Organic Fibres Detected	<0.01
SE243060.002	TP402_1.9-2.0	Soil	17g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Organic Fibres Detected	<0.01
SE243060.003	TP403_1.9-2.0	Soil	56g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Organic Fibres Detected	<0.01
SE243060.004	TP404_1.9-2.0	Soil	18g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Organic Fibres Detected	<0.01
SE243060.005	TP405_1.9-2.0	Soil	15g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Organic Fibres Detected	<0.01
SE243060.006	TP406_1.9-2.0	Soil	20g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Organic Fibres Detected	<0.01
SE243060.007	TP407_1.9-2.0	Soil	17g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Organic Fibres Detected	<0.01
SE243060.008	TP48_1.9-2.0	Soil	26g Clay, Sand, Rocks, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Organic Fibres Detected	<0.01
SE243060.009	TP409_1.9-2.0	Soil	54g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Organic Fibres Detected	<0.01
SE243060.010	TP410_1.9-2.0	Soil	104g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Organic Fibres Detected	<0.01
SE243060.011	TP411_1.9-2.0	Soil	99g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Synthetic Mineral Fibres Detected Organic Fibres Detected	<0.01
SE243060.012	TP412_1.9-2.0	Soil	67g Clay, Sand, Soil, Rocks, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Synthetic Mineral Fibres Detected Organic Fibres Detected	<0.01
SE243060.013	TP413_1.9-2.0	Soil	82g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Synthetic Mineral Fibres Detected Organic Fibres Detected	<0.01
SE243060.014	TP414_1.9-2.0	Soil	24g Sand, Soil, Rocks, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Synthetic Mineral Fibres Detected Organic Fibres Detected	<0.01
SE243060.015	TP415_1.9-2.0	Soil	32g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Synthetic Mineral Fibres Detected Organic Fibres Detected	<0.01
SE243060.016	TP416_1.9-2.0	Soil	15g Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Synthetic Mineral Fibres Detected Organic Fibres Detected	<0.01
SE243060.017	TP417_1.9-2.0	Soil	34g Sand, Soil, Rocks, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Synthetic Mineral Fibres Detected Organic Fibres Detected	<0.01
SE243060.018	TP418_1.9-2.0	Soil	146g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Synthetic Mineral Fibres Detected Organic Fibres Detected	<0.01
SE243060.019	TP419_1.9-2.0	Soil	33g Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Synthetic Mineral Fibres Detected Organic Fibres Detected	<0.01

RESULTS

Fibre Identification in soil — Method AS4964/AN602

Laboratory Reference	Client Reference	Matrix	Sample Description	Date Sampled	Fibre Identification	Est.%w/w*
SE243060.020	BH502M 2.1-2.2	Soil	138g Clay, Sand, Soil, Plant Matter	06 Feb 2023	No Asbestos Found at RL of 0.1g/kg Synthetic Mineral Fibres Detected Organic Fibres Detected	<0.01

METHOD SUMMARY

METHOD	METHODOLOGY SUMMARY
AN602/AS4964	Qualitative identification of chrysotile, amosite and crocidolite in bulk samples by polarised light microscopy (PLM) in conjunction with dispersion staining (DS). AS4964 provides the basis for this document. Unequivocal identification of the asbestos minerals present is made by obtaining sufficient diagnostic `clues`, which provide a reasonable degree of certainty, dispersion staining is a mandatory `clue` for positive identification. If sufficient `clues` are absent, then positive identification of asbestos is not possible. This procedure requires removal of suspect fibres/bundles from the sample which cannot be returned.
AN602/AS4964	Fibres/material that cannot be unequivocably identified as one of the three asbestos forms, will be reported as unknown mineral fibres (umf) The fibres detected may or may not be asbestos fibres.
AN602/AS4964	AS4964.2004 Method for the Qualitative Identification of Asbestos in Bulk Samples , Section 8.4, Trace Analysis Criteria, Note 4 states:"Depending upon sample condition and fibre type, the detection/reporting limit (RL) of this technique has been found to lie generally in the range of 1 in 1,000 to 1 in 10,000 parts by weight, equivalent to 1 to 0.1 g/kg."
AN602/AS4964	The sample can be reported “no asbestos found at the reporting limit (RL) of 0.1 g/kg” (<0.01%w/w) where AN602 section 4.5 of this method has been followed, and if- (a) no trace asbestos fibres have been detected (i.e. no ‘respirable ’ fibres): (b) the estimated weight of non-respirable asbestos fibre bundles and/or the estimated weight of asbestos in asbestos-containing materials are found to be less than 0.1g/kg: and (c) these non-respirable asbestos fibre bundles and/or the asbestos containing materials are only visible under stereo-microscope viewing conditions.

FOOTNOTES

Amosite	-	Brown Asbestos	NA	-	Not Analysed
Chrysotile	-	White Asbestos	LNR	-	Listed, Not Required
Crocidolite	-	Blue Asbestos	*	-	NATA accreditation does not cover the performance of this service .
Amphiboles	-	Amosite and/or Crocidolite	**	-	Indicative data, theoretical holding time exceeded.
			***	-	Indicates that both * and ** apply.

(In reference to soil samples only) This report does not comply with the analytical reporting recommendations in the Western Australian Department of Health Guidelines for the Assessment and Remediation and Management of Asbestos Contaminated sites in Western Australia - May 2009.

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.

Where reported: 'Asbestos Detected': Asbestos detected by polarised light microscopy, including dispersion staining.
Where reported: 'No Asbestos Found': No Asbestos Found by polarised light microscopy , including dispersion staining.
Where reported: 'UMF Detected': Mineral fibres of unknown type detected by polarised light microscopy, including dispersion staining. Confirmation by another independent analytical technique may be necessary.

Even after disintegration it can be very difficult, or impossible, to detect the presence of asbestos in some asbestos -containing bulk materials using polarised light microscopy. This is due to the low grade or small length or diameter of asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety.

E-MAILED
13/2 @ 5.24p

Sheet 1 of 2

Site: 600-660 ELIZABETH ST, REDFERN

Project No: E25472

Laboratory: SGS

Sample ID	Laboratory ID	Container Type	Sampling Date	Sampling Time	Sample Matrix: SOIL	WATER	0.45 µm field filtered	OTHER	Analysis: HM[A] /TRH/BTEX/PAHs OCP/OP/PCB/Asbestos	HM[A] /TRH/BTEX/PAHs	HM[A] /TRH/BTEX	BTEX	VOCs	Asbestos	Asbestos Quantification	Excavated Natural Material (ENM) Suite	Dewatering Suite	pH / pH peroxide	sPOCAS	Chromium Reducible Sulfur (CrS)	PFAS	pH / CEC (cation exchange)	pH / EC (electrical conductivity)	Sulphate / Chloride	Heavy Metal	Hold	TCLP HM[B] / PAH
TP01_1.9-2.0	1	T/ZLB	6/7/23	AM/PM	X				X																		
TP02_1.9-2.0	2				X				X																		
TP03_1.9-2.0	3				X				X																		
TP04_1.9-2.0	4				X				X																		
TP05_1.9-2.0	5				X				X																		
TP06_1.9-2.0	6				X				X																		
TP07_1.9-2.0	7				X				X																		
TP08_1.9-2.0	8				X				X																		
TP09_1.9-2.0	9				X				X																		
TP10_1.9-2.0	10				X				X																		
TP11_1.9-2.0	11				X				X																		
TP12_1.9-2.0	12				X				X																		

Comments:
HM[A]
Arsenic
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Zinc
HM[B]
Arsenic
Cadmium
Chromium
Lead
Mercury
Nickel

Dewatering Suite
pH & EC
TDS / TDU
Hardness
Total Cyanide
Metals (Al, As, Cd, Cr, Cu, Pb, Hg, Ni, Zn)
TRH (F1, F2, F3, F4)
BTEX
PAH

SGS EHS Sydney COC
SE243060

LABORATORY TURNAROUND
- [X] Standard
- [ ] 24 Hours
- [ ] 48 Hours
- [ ] 72 Hours
- [ ] Other____

Container Type:
J = solvent washed, acid rinsed, Tefton sealed glass jar
S = solvent washed, acid rinsed glass bottle
P = natural HDPE plastic bottle
VC = glass vial, Tefton Septum
ZLB = Zip-Lock Bag

eiaustralia
Suite 6.01, 55 Miller Street,
PYRMONT NSW 2009
Ph: 9516 0722
lab@eiaustralia.com.au

COC June 2021 FORM v.5 - Envirolab

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler's Name (EI): GT	Received by (Envirolab):
Print Geisiane Torres	Print
Signature	Signature S. Subaroy
Date 13/2/23	Date 09/02/23 @ 2:05

IMPORTANT:
Please e-mail laboratory results to: lab@eiaustralia.com.au

Report with EI Waste Classification Table [X]

Sampler's Comments:
cc: SHAOAN LI
SERGIO RABOSSIRA

Sheet 1 of 2

Site: 600-660 ELIZABETH ST, REDFERN

Project No: E29947

Laboratory:

Sample ID	Laboratory ID	Container Type	Sampling Date	Sampling Time	SOIL	WATER	0.45 µm field filtered	OTHER	HM [A] /TRH/BTEX/PAHs OCP/OP/PCB/Asbestos	HM [A] /TRH/BTEX/PAHs	HM [A] /TRH/BTEX	BTEX	VOCs	Asbestos	Asbestos Quantification	Excavated Natural Material (ENM) Suite	Dewatering Suite	pH / pH peroxide	sPOCAS	Chromium Reducible Sulfur (CrS)	PFAS	pH / CEC (cation exchange)	pH / EC (electrical conductivity)	Sulphate / Chloride	Heavy Metal	Hold	TCLP HM [B] / PAH
TP13_1.9-20	13	J/ZLB		AM/PM					X																		
TP14_1.9-20	14	↓	↓	↓	↓				X																		
TP15_1.9-20	15								X																		
TP16_1.9-20	16								X																		
TP17_1.9-20	17								X																		
TP18_1.9-20	18								X																		
TP19_1.9-20	19								X																		
BH502M_2.1-2.2	20								X																		
BH502M_6.1-6.2		↓	↓	↓	↓																				X		

Comments

HM [A]
Arsenic
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Zinc

HM [B]
Arsenic
Cadmium
Chromium
Lead
Mercury
Nickel

Dewatering Suite
pH & EC
TDS / TDU
Hardness
Total Cyanide
Metals (Al, As, Cd, Cr, Cu, Pb, Hg, Ni, Zn)
TRH (F1, F2, F3, F4)
BTEX
PAH

LABORATORY TURNAROUND

- [X] Standard
- [ ] 24 Hours
- [ ] 48 Hours
- [ ] 72 Hours
- [ ] Other____

Container Type:
J = solvent washed, acid rinsed, Teflon sealed glass jar
S = solvent washed, acid rinsed glass bottle
P = natural HDPE plastic bottle
VC = glass vial, Teflon Septum
ZLB = Zip-Lock Bag

eiaustralia
Suite 6.01, 55 Miller Street,
PYRMONT NSW 2009
Ph: 9516 0722
lab@eiaustralia.com.au

COC June 2021 FORM v.5 - Envirolab

Investigator: I attest that these samples were collected in accordance with standard EI field sampling procedures.

Sampler's Name (EI): GT	Received by (Envirolab):
Print Geisiane Torres	Print
Signature	Signature
Date 13/02/23	Date 09/02/23 @ 2.05

IMPORTANT:
Please e-mail laboratory results to: lab@eiaustralia.com.au

Report with EI Waste Classification Table [X]

Sampler's Comments:
cc: SHAROD LI
SERGIO RAMIREZ

SAMPLE RECEIPT ADVICE

SE243060

CLIENT DETAILS

Contact	Geisiane Torres
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	Geisiane.Torres @eiaustralia.com.au
Project	**E25947 600-660 Elizabeth St Red Fern**
Order Number	**E25947**
Samples	20

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
Samples Received	Thu 9/2/2023
Report Due	Mon 20/2/2023
SGS Reference	**SE243060**

SUBMISSION DETAILS

This is to confirm that 20 samples were received on Thursday 9/2/2023. Results are expected to be ready by COB Monday 20/2/2023. Please quote SGS reference SE243060 when making enquiries. Refer below for details relating to sample integrity upon receipt.

Sample counts by matrix	20 Soil	Type of documentation received	COC
Date documentation received	13/2/2023 @5:24PM	Samples received in good order	Yes
Samples received without headspace	Yes	Sample temperature upon receipt	10.3°C
Sample container provider	SGS	Turnaround time requested	Standard
Samples received in correct containers	Yes	Sufficient sample for analysis	Yes
Sample cooling method	Ice Bricks	Samples clearly labelled	Yes
Complete documentation received	Yes		

Unless otherwise instructed, water and bulk samples will be held for one month from date of report, and soil samples will be held for two months.

COMMENTS

1 soil sample has been placed on hold as no tests have been assigned for it. This sample will not be processed.

SAMPLE RECEIPT ADVICE

SE243060

CLIENT DETAILS

Client EI AUSTRALIA

Project E25947 600-660 Elizabeth St Red Fern

SUMMARY OF ANALYSIS

No.	Sample ID	OC Pesticides in Soil	OP Pesticides in Soil	PAH (Polynuclear Aromatic Hydrocarbons) in Soil	PCBs in Soil	Total Recoverable Elements in Soil/Waste	TRH (Total Recoverable Hydrocarbons) in Soil	VOC's in Soil	Volatile Petroleum Hydrocarbons in Soil
001	TP401_1.9-2.0	30	14	26	11	7	10	11	7
002	TP402_1.9-2.0	30	14	26	11	7	10	11	7
003	TP403_1.9-2.0	30	14	26	11	7	10	11	7
004	TP404_1.9-2.0	30	14	26	11	7	10	11	7
005	TP405_1.9-2.0	30	14	26	11	7	10	11	7
006	TP406_1.9-2.0	30	14	26	11	7	10	11	7
007	TP407_1.9-2.0	30	14	26	11	7	10	11	7
008	TP48_1.9-2.0	30	14	26	11	7	10	11	7
009	TP409_1.9-2.0	30	14	26	11	7	10	11	7
010	TP410_1.9-2.0	30	14	26	11	7	10	11	7
011	TP411_1.9-2.0	30	14	26	11	7	10	11	7
012	TP412_1.9-2.0	30	14	26	11	7	10	11	7
013	TP413_1.9-2.0	30	14	26	11	7	10	11	7
014	TP414_1.9-2.0	30	14	26	11	7	10	11	7
015	TP415_1.9-2.0	30	14	26	11	7	10	11	7
016	TP416_1.9-2.0	30	14	26	11	7	10	11	7
017	TP417_1.9-2.0	30	14	26	11	7	10	11	7
018	TP418_1.9-2.0	30	14	26	11	7	10	11	7
019	TP419_1.9-2.0	30	14	26	11	7	10	11	7
020	BH502M 2.1-2.2	30	14	26	11	7	10	11	7

CONTINUED OVERLEAF

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document.
The numbers shown in the table indicate the number of results requested in each package.
Please indicate as soon as possible should your request differ from these details .
Testing as per this table shall commence immediately unless the client intervenes with a correction .

SAMPLE RECEIPT ADVICE

SE243060

CLIENT DETAILS

Client EI AUSTRALIA

Project E25947 600-660 Elizabeth St Red Fern

SUMMARY OF ANALYSIS

No.	Sample ID	Fibre Identification in soil	Mercury in Soil	Moisture Content
001	TP401_1.9-2.0	2	1	1
002	TP402_1.9-2.0	2	1	1
003	TP403_1.9-2.0	2	1	1
004	TP404_1.9-2.0	2	1	1
005	TP405_1.9-2.0	2	1	1
006	TP406_1.9-2.0	2	1	1
007	TP407_1.9-2.0	2	1	1
008	TP48_1.9-2.0	2	1	1
009	TP409_1.9-2.0	2	1	1
010	TP410_1.9-2.0	2	1	1
011	TP411_1.9-2.0	2	1	1
012	TP412_1.9-2.0	2	1	1
013	TP413_1.9-2.0	2	1	1
014	TP414_1.9-2.0	2	1	1
015	TP415_1.9-2.0	2	1	1
016	TP416_1.9-2.0	2	1	1
017	TP417_1.9-2.0	2	1	1
018	TP418_1.9-2.0	2	1	1
019	TP419_1.9-2.0	2	1	1
020	BH502M 2.1-2.2	2	1	1

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document.
The numbers shown in the table indicate the number of results requested in each package.
Please indicate as soon as possible should your request differ from these details .
Testing as per this table shall commence immediately unless the client intervenes with a correction .

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

Contact	Geisiane Torres
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	Geisiane.Torres @eiaustralia.com.au
Project	**E25947 600-660 Elizabeth St Redfern-Add**
Order Number	**E25947**
Samples	20

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE243060A R0**
Date Received	20/2/2023
Date Reported	22/2/2023

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

TRH - Detection limit(s) raised due to high moisture content of the sample.

SIGNATORIES

Akheeqar BENIAMEEN
Chemist

Shane MCDERMOTT
Inorganic/Metals Chemist

TRH Silica Gel (Total Recoverable Hydrocarbons - Silica Gel) in Soil [AN403] Tested: 20/2/2023

PARAMETER	UOM	LOR	TP404_1.9-2.0 SOIL - 6/2/2023 SE243060A.004	TP405_1.9-2.0 SOIL - 6/2/2023 SE243060A.005	TP406_1.9-2.0 SOIL - 6/2/2023 SE243060A.006	TP409_1.9-2.0 SOIL - 6/2/2023 SE243060A.009	TP415_1.9-2.0 SOIL - 6/2/2023 SE243060A.015
TRH C10-C14-Silica	mg/kg	20	<100↑	<140↑	<120↑	<120↑	<120↑
TRH C15-C28-Silica	mg/kg	45	**3200**	**2900**	**3600**	**2900**	**3100**
TRH C29-C36-Silica	mg/kg	45	**1900**	**1800**	**2000**	**2600**	**2500**
TRH C37-C40-Silica	mg/kg	100	<500↑	<700↑	<600↑	<600↑	<600↑
TRH >C10-C16-Silica	mg/kg	25	<130↑	<180↑	<150↑	<150↑	<150↑
TRH >C10-C16-Silica minus Naphthalene (F2)	mg/kg	25	<25	<25	<25	**60**	<25
TRH >C16-C34-Silica (F3)	mg/kg	90	**5100**	**4600**	**5600**	**5500**	**5600**
TRH >C34-C40-Silica (F4)	mg/kg	120	<600↑	<840↑	<720↑	<720↑	<720↑
TRH C10-C36-Silica	mg/kg	110	**5100**	**4600**	**5600**	**5500**	**5700**

METHOD	METHODOLOGY SUMMARY
AN403	Total Recoverable Hydrocarbons: Determination of Hydrocarbons by gas chromatography after a solvent extraction. Detection is by flame ionisation detector (FID) that produces an electronic signal in proportion to the combustible matter passing through it. Total Recoverable Hydrocarbons (TRH) are routinely reported as four alkane groupings based on the carbon chain length of the compounds: C6-C9, C10-C14, C15-C28 and C29-C36.
AN403	Additionally, the volatile C6-C9 fraction may be determined by a purge and trap technique and GC/MS because of the potential for volatiles loss. Total Recoverable Hydrocarbons - Silica (TRH-silica) follows the same method of analysis after silica gel cleanup of the solvent extract. Aliphatic/Aromatic Speciation follows the same method of analysis after fractionation of the solvent extract over silica with differential polarity of the eluent solvents .
AN403	The GC/FID method is not well suited to the analysis of refined high boiling point materials (ie lubricating oils or greases) but is particularly suited for measuring diesel, kerosene and petrol if care to control volatility is taken. This method will detect naturally occurring hydrocarbons, lipids, animal fats, phenols and PAHs if they are present at sufficient levels, dependent on the use of specific cleanup/fractionation techniques. Reference USEPA 3510B, 8015B

FOOTNOTES

*	NATA accreditation does not cover the performance of this service.	-	Not analysed.	UOM	Unit of Measure.
		NVL	Not validated.	LOR	Limit of Reporting.
**	Indicative data, theoretical holding time exceeded.	IS	Insufficient sample for analysis.	↑↓	Raised/lowered Limit of Reporting.
		LNR	Sample listed, but not received.		
***	Indicates that both * and ** apply.				

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.
Solid samples expressed on a dry weight basis.

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calculated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the " Total" LOR will be the sum of those two LORs.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

If reported, measurement uncertainty follow the ± sign after the analytical result and is expressed as the expanded uncertainty calculated using a coverage factor of 2, providing a level of confidence of approximately 95%, unless stated otherwise in the comments section of this report.

Results reported for samples tested under test methods with codes starting with ARS-SOP, radionuclide or gross radioactivity concentrations are expressed in becquerel (Bq) per unit of mass or volume or per wipe as stated on the report. Becquerel is the SI unit for activity and equals one nuclear transformation per second.
Note that in terms of units of radioactivity:

a. 1 Bq is equivalent to 27 pCi
b. 37 MBq is equivalent to 1 mCi

For results reported for samples tested under test methods with codes starting with ARS-SOP, less than (<) values indicate the detection limit for each radionuclide or parameter for the measurement system used. The respective detection limits have been calculated in accordance with ISO 11929.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety .

STATEMENT OF QA/QC PERFORMANCE

SE243060A R0

CLIENT DETAILS

Contact	Geisiane Torres
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	Geisiane.Torres @eiaustralia.com.au
Project	**E25947 600-660 Elizabeth St Redfern-Add**
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Samples	20

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Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE243060A R0**
Date Received	20 Feb 2023
Date Reported	22 Feb 2023

COMMENTS

All the laboratory data for each environmental matrix was compared to SGS' stated Data Quality Objectives (DQO). Comments arising from the comparison were made and are reported below.

The data relating to sampling was taken from the Chain of Custody document.
This QA/QC Statement must be read in conjunction with the referenced Analytical Report.
The Statement and the Analytical Report must not be reproduced except in full.

All Data Quality Objectives were met (within the SGS Alexandria Environmental laboratory).

SAMPLE SUMMARY

Sample counts by matrix	5 Soil	Type of documentation received	Email
Date documentation received	20/2/2023@6:17pm	Samples received in good order	Yes
Samples received without headspace	Yes	Sample temperature upon receipt	10.3°C
Sample container provider	SGS	Turnaround time requested	Next Day
Samples received in correct containers	Yes	Sufficient sample for analysis	Yes
Sample cooling method	Ice Bricks	Samples clearly labelled	Yes
Complete documentation received	Yes		

HOLDING TIME SUMMARY

SE243060A R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

TRH Silica Gel (Total Recoverable Hydrocarbons - Silica Gel) in Soil — **Method: ME-(AU)-[ENV]AN403**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP404_1.9-2.0	SE243060A.004	LB271848	06 Feb 2023	20 Feb 2023	20 Feb 2023	20 Feb 2023	01 Apr 2023	22 Feb 2023
TP405_1.9-2.0	SE243060A.005	LB271848	06 Feb 2023	20 Feb 2023	20 Feb 2023	20 Feb 2023	01 Apr 2023	22 Feb 2023
TP406_1.9-2.0	SE243060A.006	LB271848	06 Feb 2023	20 Feb 2023	20 Feb 2023	20 Feb 2023	01 Apr 2023	22 Feb 2023
TP409_1.9-2.0	SE243060A.009	LB271848	06 Feb 2023	20 Feb 2023	20 Feb 2023	20 Feb 2023	01 Apr 2023	22 Feb 2023
TP415_1.9-2.0	SE243060A.015	LB271848	06 Feb 2023	20 Feb 2023	20 Feb 2023	20 Feb 2023	01 Apr 2023	22 Feb 2023

SURROGATES

SE243060A R0

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

No surrogates were required for this job.

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

TRH Silica Gel (Total Recoverable Hydrocarbons - Silica Gel) in Soil — **Method: ME-(AU)-[ENV]AN403**

Sample Number	Parameter	Units	LOR	Result
LB271848.001	TRH C10-C14-Silica	mg/kg	20	<20
	TRH C15-C28-Silica	mg/kg	45	<45
	TRH C29-C36-Silica	mg/kg	45	<45
	TRH C37-C40-Silica	mg/kg	100	<100
	TRH >C10-C16-Silica minus Naphthalene (F2)	mg/kg	25	<25
	TRH >C16-C34-Silica (F3)	mg/kg	90	<90
	TRH >C34-C40-Silica (F4)	mg/kg	120	<120

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

TRH Silica Gel (Total Recoverable Hydrocarbons - Silica Gel) in Soil — **Method: ME-(AU)-[ENV]AN403**

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243060A.015	LB271848.009	TRH C10-C14-Silica	mg/kg	20	<120	<120	94	0
		TRH C15-C28-Silica	mg/kg	45	3100	3200	31	3
		TRH C29-C36-Silica	mg/kg	45	2500	2500	32	2
		TRH C37-C40-Silica	mg/kg	100	<600	<600	200	0
		TRH C10-C36-Silica	mg/kg	110	5700	5800	32	2
		TRH >C10-C16-Silica	mg/kg	25	<150	<150	92	0
		TRH >C10-C16-Silica minus Naphthalene (F2)	mg/kg	25	<25	60	92	83
		TRH >C16-C34-Silica (F3)	mg/kg	90	5600	5700	32	1
		TRH >C34-C40-Silica (F4)	mg/kg	120	<720	<720	200	0

Laboratory Control Standard (LCS) results are evaluated against an expected result, typically the concentration of analyte spiked into the control during the sample preparation stage, producing a percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA /QC plan (Ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

TRH Silica Gel (Total Recoverable Hydrocarbons - Silica Gel) in Soil — **Method: ME-(AU)-[ENV]AN403**

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB271848.002	TRH C10-C14-Silica	mg/kg	20	50	40	70 - 130	124
	TRH C15-C28-Silica	mg/kg	45	48	40	70 - 130	120
	TRH C29-C36-Silica	mg/kg	45	<45	40	70 - 130	96
	TRH >C10-C16-Silica minus Naphthalene (F2)	mg/kg	25	50	40	70 - 130	124
	TRH >C16-C34-Silica (F3)	mg/kg	90	<90	40	70 - 130	111
	TRH >C34-C40-Silica (F4)	mg/kg	120	<120	20	70 - 130	91

Matrix Spike (MS) results are evaluated as the percentage recovery of an expected result, typically the concentration of analyte spiked into a field sub-sample during the sample preparation stage. The original sample's result is subtracted from the sub-sample result before determining the percentage recovery. The criteria applied to the percentage recovery is established in the SGS QA/QC plan (ref: MP-(AU)-[ENV]QU-022). For more information refer to the footnotes in the concluding page of this report.

Recovery is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

QC Sample	Sample Number	Parameter	Units	LOR

MATRIX SPIKE DUPLICATES

SE243060A R0

Matrix spike duplicates are calculated as Relative Percent Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The original result is the analyte concentration of the matrix spike. The Duplicate result is the analyte concentration of the matrix spike duplicate.

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the

No matrix spike duplicates were required for this job.

Samples analysed as received.

Solid samples expressed on a dry weight basis.

QC criteria are subject to internal review according to the SGS QA/QC plan and may be provided on request or alternatively can be found here: https://www.sgs.com.au/~/media/Local/Australia/Documents/Technical Documents/MP-AU-ENV-QU-022 QA QC Plan.pdf

*	NATA accreditation does not cover the performance of this service.
**	Indicative data, theoretical holding time exceeded.
***	Indicates that both * and ** apply.
-	Sample not analysed for this analyte.
IS	Insufficient sample for analysis.
LNR	Sample listed, but not received.
LOR	Limit of reporting.
QFH	QC result is above the upper tolerance.
QFL	QC result is below the lower tolerance.
①	At least 2 of 3 surrogates are within acceptance criteria.
②	RPD failed acceptance criteria due to sample heterogeneity.
③	Results less than 5 times LOR preclude acceptance criteria for RPD.
④	Recovery failed acceptance criteria due to matrix interference.
⑤	Recovery failed acceptance criteria due to the presence of significant concentration of analyte (i.e. the concentration of analyte exceeds the spike level).
⑥	LOR was raised due to sample matrix interference.
⑦	LOR was raised due to dilution of significantly high concentration of analyte in sample.
⑧	Reanalysis of sample in duplicate confirmed sample heterogeneity and inconsistency of results.
⑨	Recovery failed acceptance criteria due to sample heterogeneity.
⑩	LOR was raised due to high conductivity of the sample (required dilution).
†	Refer to relevant report comments for further information.

Yin, Emily (Sydney)

From: AU.Environmental.Sydney, AU (Sydney)
Sent: Monday, 20 February 2023 6:45 PM
To: Geisiane Torres - ElAustralia; AU.SampleReceipt.Sydney, AU (Sydney)
Cc: Laboratory Results - ElAustralia; Sergio Raposeira - ElAustralia; Sharon Li - ElAustralia
Subject: RE: [EXTERNAL] RE: Report Job SE243060, your reference E25947 600-660 Elizabeth St Red Fern, order number E25947

Hi Geisiane,

Will get that booked in for Wed. 22/02 due on 1 day TAT, thanks.

Kind Regards,

Huong Crawford
Industries & Environment
Production Manager

SGS Australia Pty Ltd
Unit 16, 33 Maddox Street
Alexandria NSW 2015
Phone: +61 (0)2 8594 0403
Fax: + 61 (0)2 8594 0499
E-mail: Huong.Crawford@sgs.com
Web: www.au.sgs.com

View Your Results Online: engage.sgs.com

SGS EHS Alexandria Laboratory
SE243060A COC
Received: 20-Feb-2023

From: Geisiane Torres - ElAustralia <geisiane.torres@eiaustralia.com.au>
Sent: Monday, 20 February 2023 6:17 PM
To: AU.Environmental.Sydney, AU (Sydney) <AU.Environmental.Sydney@SGS.com>; Laboratory Results - ElAustralia <lab@eiaustralia.com.au>; Sergio Raposeira - ElAustralia <sergio.raposeira@eiaustralia.com.au>; Sharon Li - ElAustralia <sharon.li@eiaustralia.com.au>
Subject: [EXTERNAL] RE: Report Job SE243060, your reference E25947 600-660 Elizabeth St Red Fern, order number E25947

Hi SGS,

Can you please test samples below for silica gel method on TAT: 24hours

TP404_1.9-2.0
TP405_1.9-2.0
TP406_1.9-2.0
TP409_1.9-2.0
TP415_1.9-2.0

Thank you.
Best regards,

SAMPLE RECEIPT ADVICE

SE243060A

CLIENT DETAILS

Contact	Geisiane Torres
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	Geisiane.Torres @eiaustralia.com.au
Project	**E25947 600-660 Elizabeth St Redfern-Add**
Order Number	**E25947**
Samples	20

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
Samples Received	Mon 20/2/2023
Report Due	Wed 22/2/2023
SGS Reference	**SE243060A**

SUBMISSION DETAILS

This is to confirm that 20 samples were received on Monday 20/2/2023. Results are expected to be ready by COB Wednesday 22/2/2023.
Please quote SGS reference SE243060A when making enquiries. Refer below for details relating to sample integrity upon receipt.

Sample counts by matrix	5 Soil	Type of documentation received	Email
Date documentation received	20/2/2023@6:17pm	Samples received in good order	Yes
Samples received without headspace	Yes	Sample temperature upon receipt	10.3°C
Sample container provider	SGS	Turnaround time requested	Next Day
Samples received in correct containers	Yes	Sufficient sample for analysis	Yes
Sample cooling method	Ice Bricks	Samples clearly labelled	Yes
Complete documentation received	Yes		

Unless otherwise instructed, water and bulk samples will be held for one month from date of report, and soil samples will be held for two months.

COMMENTS

SAMPLE RECEIPT ADVICE

SE243060A

CLIENT DETAILS

Client EI AUSTRALIA

Project E25947 600-660 Elizabeth St Redfern-Add

SUMMARY OF ANALYSIS

No.	Sample ID	TRH Silica Gel (Total Recoverable
004	TP404_1.9-2.0	9
005	TP405_1.9-2.0	9
006	TP406_1.9-2.0	9
009	TP409_1.9-2.0	9
015	TP415_1.9-2.0	9

The above table represents SGS' interpretation of the client-supplied Chain Of Custody document.
The numbers shown in the table indicate the number of results requested in each package.
Please indicate as soon as possible should your request differ from these details .
Testing as per this table shall commence immediately unless the client intervenes with a correction .

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

Contact	Geisiane Torres
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	Geisiane.Torres @eiaustralia.com.au
Project	**E25947 600-660 Elizabeth St Redfern**
Order Number	**E25947**
Samples	72

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE243061 R0**
Date Received	9/2/2023
Date Reported	21/2/2023

COMMENTS

Accredited for compliance with ISO/IEC 17025 - Testing. NATA accredited laboratory 2562(4354).

TRH/OC/PCB/PAH/OP - The Limit of Reporting (LOR) has been raised due to high moisture factor content of the sample.
No respirable fibres detected in all soil samples using trace analysis technique.
Sample #40: Chrysotile asbestos found in approx 4x3x2mm cement sheet fragment.
Sample #63: Chrysotile asbestos found in approx 10x3x2mm bituminous material.
Sample #72: Chrysotile asbestos found in approx 10x6x3mm bituminous material.
Sample #34-36,60,62,63,71,72: A portion of the sample supplied has been sub-sampled for asbestos analysis in soil according to SGS In-house procedures due to large volume. We therefore cannot guarantee that the sub-sample is representative of the entire sample supplied. SGS Industries and Environment recommends supplying approximately 50-100g of sample in a separate container.
Asbestos analysed by Approved Identifier Ravee Sivasubramaniam and Yusuf Kuthpudin

SIGNATORIES

Akheeqar BENIAMEEN
Chemist

Bennet LO
Senior Chemist

Dong LIANG
Metals/Inorganics Team Leader

Huong CRAWFORD
Production Manager

Kamrul AHSAN
Senior Chemist

Shane MCDERMOTT
Inorganic/Metals Chemist

Teresa NGUYEN
Organic Chemist

Yusuf KUTHPUDIN
Asbestos Analyst

VOC's in Soil [AN433] Tested: 15/2/2023

PARAMETER	UOM	LOR	TP401_0.1-0.2 SOIL - 6/2/2023 SE243061.001	TP401_0.5-0.6 SOIL - 6/2/2023 SE243061.002	TP401_1.0-1.1 SOIL - 6/2/2023 SE243061.003	TP402_0.1-0.2 SOIL - 6/2/2023 SE243061.004	TP402_0.5-0.6 SOIL - 6/2/2023 SE243061.005
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	TP402_1.0-1.1 SOIL - 6/2/2023 SE243061.006	TP403_0.1-0.2 SOIL - 6/2/2023 SE243061.007	TP403_0.5-0.6 SOIL - 6/2/2023 SE243061.008	TP403_1.0-1.1 SOIL - 6/2/2023 SE243061.009	TP404_0.1-0.2 SOIL - 6/2/2023 SE243061.010
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	TP404_0.5-0.6 SOIL - 6/2/2023 SE243061.011	TP404_1.0-1.1 SOIL - 6/2/2023 SE243061.012	TP405_0.1-0.2 SOIL - 6/2/2023 SE243061.013	TP405_0.5-0.6 SOIL - 6/2/2023 SE243061.014	TP405_1.0-1.1 SOIL - 6/2/2023 SE243061.015
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	TP406_0.1-0.2 SOIL - 6/2/2023 SE243061.016	TP406_0.5-0.6 SOIL - 6/2/2023 SE243061.017	TP406_1.0-1.1 SOIL - 6/2/2023 SE243061.018	TP407_0.1-0.2 SOIL - 6/2/2023 SE243061.019	TP407_0.5-0.6 SOIL - 6/2/2023 SE243061.020
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

VOC's in Soil [AN433] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP407_1.0-1.1 SOIL - 6/2/2023 SE243061.021	TP408_0.1-0.2 SOIL - 6/2/2023 SE243061.022	TP408_0.5-0.6 SOIL - 6/2/2023 SE243061.023	TP408_1.0-1.1 SOIL - 6/2/2023 SE243061.024	TP409_0.1-0.2 SOIL - 6/2/2023 SE243061.025
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	TP409_0.5-0.6 SOIL - 6/2/2023 SE243061.026	TP409_1.0-1.1 SOIL - 6/2/2023 SE243061.027	TP410_0.1-0.2 SOIL - 6/2/2023 SE243061.028	TP410_0.5-0.6 SOIL - 6/2/2023 SE243061.029	TP410_1.0-1.1 SOIL - 6/2/2023 SE243061.030
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	TP411_0.1-0.2 SOIL - 7/2/2023 SE243061.031	TP411_0.5-0.6 SOIL - 7/2/2023 SE243061.032	TP411_1.0-1.1 SOIL - 7/2/2023 SE243061.033	TP412_0.1-0.2 SOIL - 7/2/2023 SE243061.034	TP412_0.5-0.6 SOIL - 7/2/2023 SE243061.035
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	TP412_1.0-1.1 SOIL - 7/2/2023 SE243061.036	TP413_0.1-0.2 SOIL - 7/2/2023 SE243061.037	TP413_0.5-0.6 SOIL - 7/2/2023 SE243061.038	TP413_1.0-1.1 SOIL - 7/2/2023 SE243061.039	TP414_0.1-0.2 SOIL - 7/2/2023 SE243061.040
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

VOC's in Soil [AN433] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP414_0.5-0.6 SOIL - 7/2/2023 SE243061.041	TP414_1.0-1.1 SOIL - 7/2/2023 SE243061.042	TP415_0.1-0.2 SOIL - 7/2/2023 SE243061.043	TP415_0.5-0.6 SOIL - 7/2/2023 SE243061.044	TP415_1.0-1.1 SOIL - 7/2/2023 SE243061.045
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	TP416_0.1-0.2 SOIL - 7/2/2023 SE243061.046	TP416_0.5-0.6 SOIL - 7/2/2023 SE243061.047	TP416_1.0-1.1 SOIL - 7/2/2023 SE243061.048	TP417_0.1-0.2 SOIL - 7/2/2023 SE243061.049	TP417_0.5-0.6 SOIL - 7/2/2023 SE243061.050
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	TP417_1.0-1.1 SOIL - 7/2/2023 SE243061.051	TP418_0.1-0.2 SOIL - 7/2/2023 SE243061.052	TP418_0.5-0.6 SOIL - 7/2/2023 SE243061.053	TP418_1.0-1.1 SOIL - 7/2/2023 SE243061.054	TP419_0.1-0.2 SOIL - 7/2/2023 SE243061.055
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	TP419_0.5-0.6 SOIL - 7/2/2023 SE243061.056	TP419_1.0-1.1 SOIL - 7/2/2023 SE243061.057	BH501M_0.3-0.45 SOIL - 8/2/2023 SE243061.058	BH501M_1.0-1.1 SOIL - 8/2/2023 SE243061.059	BH502M_0.4-0.6 SOIL - 8/2/2023 SE243061.060
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

VOC's in Soil [AN433] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	BH502M_1.0-1.1 SOIL - 8/2/2023 SE243061.061	BH503_0.4-0.5 SOIL - 8/2/2023 SE243061.062	BH503_0.9-1.0 SOIL - 8/2/2023 SE243061.063	QD1 SOIL - 8/2/2023 SE243061.064	QD3 SOIL - 8/2/2023 SE243061.065
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1

PARAMETER	UOM	LOR	QD4 SOIL - 8/2/2023 SE243061.066	QD6 SOIL - 8/2/2023 SE243061.067	TB SOIL - 8/2/2023 SE243061.069	TS SOIL - 8/2/2023 SE243061.070	BH501M_1.5-1.6 SOIL - 8/2/2023 SE243061.071
Benzene	mg/kg	0.1	<0.1	<0.1	<0.1	[109%]	<0.1
Toluene	mg/kg	0.1	<0.1	<0.1	<0.1	[109%]	<0.1
Ethylbenzene	mg/kg	0.1	<0.1	<0.1	<0.1	[97%]	<0.1
m/p-xylene	mg/kg	0.2	<0.2	<0.2	<0.2	[99%]	<0.2
o-xylene	mg/kg	0.1	<0.1	<0.1	<0.1	[97%]	<0.1
Total Xylenes*	mg/kg	0.3	<0.3	<0.3	<0.3	-	<0.3
Total BTEX*	mg/kg	0.6	<0.6	<0.6	<0.6	-	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1	<0.1	<0.1	-	<0.1

PARAMETER	UOM	LOR	BH503M_1.5-1.6 SOIL - 8/2/2023 SE243061.072
Benzene	mg/kg	0.1	<0.1
Toluene	mg/kg	0.1	<0.1
Ethylbenzene	mg/kg	0.1	<0.1
m/p-xylene	mg/kg	0.2	<0.2
o-xylene	mg/kg	0.1	<0.1
Total Xylenes*	mg/kg	0.3	<0.3
Total BTEX*	mg/kg	0.6	<0.6
Naphthalene (VOC)*	mg/kg	0.1	<0.1

Volatile Petroleum Hydrocarbons in Soil [AN433] Tested: 15/2/2023

PARAMETER	UOM	LOR	TP401_0.1-0.2 SOIL - 6/2/2023 SE243061.001	TP401_0.5-0.6 SOIL - 6/2/2023 SE243061.002	TP401_1.0-1.1 SOIL - 6/2/2023 SE243061.003	TP402_0.1-0.2 SOIL - 6/2/2023 SE243061.004	TP402_0.5-0.6 SOIL - 6/2/2023 SE243061.005
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP402_1.0-1.1 SOIL - 6/2/2023 SE243061.006	TP403_0.1-0.2 SOIL - 6/2/2023 SE243061.007	TP403_0.5-0.6 SOIL - 6/2/2023 SE243061.008	TP403_1.0-1.1 SOIL - 6/2/2023 SE243061.009	TP404_0.1-0.2 SOIL - 6/2/2023 SE243061.010
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP404_0.5-0.6 SOIL - 6/2/2023 SE243061.011	TP404_1.0-1.1 SOIL - 6/2/2023 SE243061.012	TP405_0.1-0.2 SOIL - 6/2/2023 SE243061.013	TP405_0.5-0.6 SOIL - 6/2/2023 SE243061.014	TP405_1.0-1.1 SOIL - 6/2/2023 SE243061.015
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP406_0.1-0.2 SOIL - 6/2/2023 SE243061.016	TP406_0.5-0.6 SOIL - 6/2/2023 SE243061.017	TP406_1.0-1.1 SOIL - 6/2/2023 SE243061.018	TP407_0.1-0.2 SOIL - 6/2/2023 SE243061.019	TP407_0.5-0.6 SOIL - 6/2/2023 SE243061.020
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP407_1.0-1.1 SOIL - 6/2/2023 SE243061.021	TP408_0.1-0.2 SOIL - 6/2/2023 SE243061.022	TP408_0.5-0.6 SOIL - 6/2/2023 SE243061.023	TP408_1.0-1.1 SOIL - 6/2/2023 SE243061.024	TP409_0.1-0.2 SOIL - 6/2/2023 SE243061.025
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP409_0.5-0.6 SOIL - 6/2/2023 SE243061.026	TP409_1.0-1.1 SOIL - 6/2/2023 SE243061.027	TP410_0.1-0.2 SOIL - 6/2/2023 SE243061.028	TP410_0.5-0.6 SOIL - 6/2/2023 SE243061.029	TP410_1.0-1.1 SOIL - 6/2/2023 SE243061.030
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

Volatile Petroleum Hydrocarbons in Soil [AN433] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP411_0.1-0.2 SOIL - 7/2/2023 SE243061.031	TP411_0.5-0.6 SOIL - 7/2/2023 SE243061.032	TP411_1.0-1.1 SOIL - 7/2/2023 SE243061.033	TP412_0.1-0.2 SOIL - 7/2/2023 SE243061.034	TP412_0.5-0.6 SOIL - 7/2/2023 SE243061.035
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP412_1.0-1.1 SOIL - 7/2/2023 SE243061.036	TP413_0.1-0.2 SOIL - 7/2/2023 SE243061.037	TP413_0.5-0.6 SOIL - 7/2/2023 SE243061.038	TP413_1.0-1.1 SOIL - 7/2/2023 SE243061.039	TP414_0.1-0.2 SOIL - 7/2/2023 SE243061.040
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP414_0.5-0.6 SOIL - 7/2/2023 SE243061.041	TP414_1.0-1.1 SOIL - 7/2/2023 SE243061.042	TP415_0.1-0.2 SOIL - 7/2/2023 SE243061.043	TP415_0.5-0.6 SOIL - 7/2/2023 SE243061.044	TP415_1.0-1.1 SOIL - 7/2/2023 SE243061.045
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP416_0.1-0.2 SOIL - 7/2/2023 SE243061.046	TP416_0.5-0.6 SOIL - 7/2/2023 SE243061.047	TP416_1.0-1.1 SOIL - 7/2/2023 SE243061.048	TP417_0.1-0.2 SOIL - 7/2/2023 SE243061.049	TP417_0.5-0.6 SOIL - 7/2/2023 SE243061.050
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP417_1.0-1.1 SOIL - 7/2/2023 SE243061.051	TP418_0.1-0.2 SOIL - 7/2/2023 SE243061.052	TP418_0.5-0.6 SOIL - 7/2/2023 SE243061.053	TP418_1.0-1.1 SOIL - 7/2/2023 SE243061.054	TP419_0.1-0.2 SOIL - 7/2/2023 SE243061.055
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	TP419_0.5-0.6 SOIL - 7/2/2023 SE243061.056	TP419_1.0-1.1 SOIL - 7/2/2023 SE243061.057	BH501M_0.3-0.45 SOIL - 8/2/2023 SE243061.058	BH501M_1.0-1.1 SOIL - 8/2/2023 SE243061.059	BH502M_0.4-0.6 SOIL - 8/2/2023 SE243061.060
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

Volatile Petroleum Hydrocarbons in Soil [AN433] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	BH502M_1.0-1.1 SOIL - 8/2/2023 SE243061.061	BH503_0.4-0.5 SOIL - 8/2/2023 SE243061.062	BH503_0.9-1.0 SOIL - 8/2/2023 SE243061.063	QD1 SOIL - 8/2/2023 SE243061.064	QD3 SOIL - 8/2/2023 SE243061.065
TRH C6-C9	mg/kg	20	<20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25	<25

PARAMETER	UOM	LOR	QD4 SOIL - 8/2/2023 SE243061.066	QD6 SOIL - 8/2/2023 SE243061.067	BH501M_1.5-1.6 SOIL - 8/2/2023 SE243061.071	BH503M_1.5-1.6 SOIL - 8/2/2023 SE243061.072
TRH C6-C9	mg/kg	20	<20	<20	<20	<20
Benzene (F0)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
TRH C6-C10	mg/kg	25	<25	<25	<25	<25
TRH C6-C10 minus BTEX (F1)	mg/kg	25	<25	<25	<25	<25

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 15/2/2023

PARAMETER	UOM	LOR	TP401_0.1-0.2 SOIL - 6/2/2023 SE243061.001	TP401_0.5-0.6 SOIL - 6/2/2023 SE243061.002	TP401_1.0-1.1 SOIL - 6/2/2023 SE243061.003	TP402_0.1-0.2 SOIL - 6/2/2023 SE243061.004	TP402_0.5-0.6 SOIL - 6/2/2023 SE243061.005
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	**110**	**92**	**50**	**61**	<45
TRH C29-C36	mg/kg	45	**88**	<45	<45	<45	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	**170**	**120**	<90	<90	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	**200**	<110	<110	<110	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	TP402_1.0-1.1 SOIL - 6/2/2023 SE243061.006	TP403_0.1-0.2 SOIL - 6/2/2023 SE243061.007	TP403_0.5-0.6 SOIL - 6/2/2023 SE243061.008	TP403_1.0-1.1 SOIL - 6/2/2023 SE243061.009	TP404_0.1-0.2 SOIL - 6/2/2023 SE243061.010
TRH C10-C14	mg/kg	20	<20	<20	<20	<60↑	<20
TRH C15-C28	mg/kg	45	**46**	**62**	**150**	**270**	**70**
TRH C29-C36	mg/kg	45	**46**	<45	**78**	**520**	**100**
TRH C37-C40	mg/kg	100	<100	<100	<100	<300↑	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<75↑	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	**33**	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	**91**	**210**	**660**	**140**
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<360↑	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	**230**	**820**	**170**
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	**910**	<210

PARAMETER	UOM	LOR	TP404_0.5-0.6 SOIL - 6/2/2023 SE243061.011	TP404_1.0-1.1 SOIL - 6/2/2023 SE243061.012	TP405_0.1-0.2 SOIL - 6/2/2023 SE243061.013	TP405_0.5-0.6 SOIL - 6/2/2023 SE243061.014	TP405_1.0-1.1 SOIL - 6/2/2023 SE243061.015
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<120↑
TRH C15-C28	mg/kg	45	<45	<45	**170**	**78**	**1100**
TRH C29-C36	mg/kg	45	<45	<45	**91**	<45	**1300**
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<600↑
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<150↑
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	**76**
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	**240**	**110**	**2200**
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	**4100**
TRH C10-C36 Total	mg/kg	110	<110	<110	**260**	<110	**2500**
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	**240**	<210	**6300**

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP406_0.1-0.2 SOIL - 6/2/2023 SE243061.016	TP406_0.5-0.6 SOIL - 6/2/2023 SE243061.017	TP406_1.0-1.1 SOIL - 6/2/2023 SE243061.018	TP407_0.1-0.2 SOIL - 6/2/2023 SE243061.019	TP407_0.5-0.6 SOIL - 6/2/2023 SE243061.020
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	**93**	<45	<45	**72**	<45
TRH C29-C36	mg/kg	45	**59**	<45	**56**	**55**	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	**140**	<90	<90	**110**	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	**150**	<110	<110	**130**	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	TP407_1.0-1.1 SOIL - 6/2/2023 SE243061.021	TP408_0.1-0.2 SOIL - 6/2/2023 SE243061.022	TP408_0.5-0.6 SOIL - 6/2/2023 SE243061.023	TP408_1.0-1.1 SOIL - 6/2/2023 SE243061.024	TP409_0.1-0.2 SOIL - 6/2/2023 SE243061.025
TRH C10-C14	mg/kg	20	<100↑	<20	<20	<80↑	<20
TRH C15-C28	mg/kg	45	<230↑	**180**	<45	**180**	**76**
TRH C29-C36	mg/kg	45	<230↑	**55**	<45	**340**	**180**
TRH C37-C40	mg/kg	100	<500↑	<100	<100	**74**	<100
TRH >C10-C16	mg/kg	25	<130↑	<25	<25	<100↑	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	**30**	<25
TRH >C16-C34 (F3)	mg/kg	90	<450↑	**280**	<90	**430**	**210**
TRH >C34-C40 (F4)	mg/kg	120	<600↑	<120	<120	<480↑	<120
TRH C10-C36 Total	mg/kg	110	<550↑	**230**	<110	**550**	**260**
TRH >C10-C40 Total (F bands)	mg/kg	210	<1100↑	**280**	<210	<840↑	<210

PARAMETER	UOM	LOR	TP409_0.5-0.6 SOIL - 6/2/2023 SE243061.026	TP409_1.0-1.1 SOIL - 6/2/2023 SE243061.027	TP410_0.1-0.2 SOIL - 6/2/2023 SE243061.028	TP410_0.5-0.6 SOIL - 6/2/2023 SE243061.029	TP410_1.0-1.1 SOIL - 6/2/2023 SE243061.030
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	**36**
TRH C15-C28	mg/kg	45	**140**	<45	**69**	<45	**370**
TRH C29-C36	mg/kg	45	**50**	**48**	**88**	<45	**640**
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	**140**
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	**45**
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	**45**
TRH >C16-C34 (F3)	mg/kg	90	**170**	<90	**130**	<90	**860**
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	**280**
TRH C10-C36 Total	mg/kg	110	**190**	<110	**160**	<110	**1000**
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	**1200**

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP411_0.1-0.2 SOIL - 7/2/2023 SE243061.031	TP411_0.5-0.6 SOIL - 7/2/2023 SE243061.032	TP411_1.0-1.1 SOIL - 7/2/2023 SE243061.033	TP412_0.1-0.2 SOIL - 7/2/2023 SE243061.034	TP412_0.5-0.6 SOIL - 7/2/2023 SE243061.035
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	**99**	<45	<45	**79**	<45
TRH C29-C36	mg/kg	45	**99**	<45	**62**	**88**	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	**170**	<90	**91**	**140**	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	**200**	<110	<110	**170**	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	TP412_1.0-1.1 SOIL - 7/2/2023 SE243061.036	TP413_0.1-0.2 SOIL - 7/2/2023 SE243061.037	TP413_0.5-0.6 SOIL - 7/2/2023 SE243061.038	TP413_1.0-1.1 SOIL - 7/2/2023 SE243061.039	TP414_0.1-0.2 SOIL - 7/2/2023 SE243061.040
TRH C10-C14	mg/kg	20	<20	<20	<20	**55**	<20
TRH C15-C28	mg/kg	45	**76**	**81**	**69**	**500**	**88**
TRH C29-C36	mg/kg	45	**100**	**98**	<45	**1000**	**100**
TRH C37-C40	mg/kg	100	<100	<100	<100	**280**	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	**67**	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	**67**	<25
TRH >C16-C34 (F3)	mg/kg	90	**150**	**150**	**96**	**1300**	**160**
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	**540**	<120
TRH C10-C36 Total	mg/kg	110	**180**	**180**	<110	**1600**	**190**
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	**1900**	<210

PARAMETER	UOM	LOR	TP414_0.5-0.6 SOIL - 7/2/2023 SE243061.041	TP414_1.0-1.1 SOIL - 7/2/2023 SE243061.042	TP415_0.1-0.2 SOIL - 7/2/2023 SE243061.043	TP415_0.5-0.6 SOIL - 7/2/2023 SE243061.044	TP415_1.0-1.1 SOIL - 7/2/2023 SE243061.045
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	**270**	<45	<45	<45	**56**
TRH C29-C36	mg/kg	45	**110**	<45	<45	<45	**64**
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	**350**	<90	<90	<90	**100**
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	**390**	<110	<110	<110	**120**
TRH >C10-C40 Total (F bands)	mg/kg	210	**350**	<210	<210	<210	<210

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP416_0.1-0.2 SOIL - 7/2/2023 SE243061.046	TP416_0.5-0.6 SOIL - 7/2/2023 SE243061.047	TP416_1.0-1.1 SOIL - 7/2/2023 SE243061.048	TP417_0.1-0.2 SOIL - 7/2/2023 SE243061.049	TP417_0.5-0.6 SOIL - 7/2/2023 SE243061.050
TRH C10-C14	mg/kg	20	<20	<20	<20	<20	<20
TRH C15-C28	mg/kg	45	**94**	**85**	<45	**140**	**58**
TRH C29-C36	mg/kg	45	**81**	**60**	<45	**86**	<45
TRH C37-C40	mg/kg	100	<100	<100	<100	<100	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	<25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	<25	<25
TRH >C16-C34 (F3)	mg/kg	90	**150**	**130**	<90	**190**	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	<120	<120
TRH C10-C36 Total	mg/kg	110	**170**	**140**	<110	**220**	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	<210	<210

PARAMETER	UOM	LOR	TP417_1.0-1.1 SOIL - 7/2/2023 SE243061.051	TP418_0.1-0.2 SOIL - 7/2/2023 SE243061.052	TP418_0.5-0.6 SOIL - 7/2/2023 SE243061.053	TP418_1.0-1.1 SOIL - 7/2/2023 SE243061.054	TP419_0.1-0.2 SOIL - 7/2/2023 SE243061.055
TRH C10-C14	mg/kg	20	<20	<20	<20	**41**	<20
TRH C15-C28	mg/kg	45	<45	**91**	<45	**290**	**54**
TRH C29-C36	mg/kg	45	<45	**79**	<45	**600**	**56**
TRH C37-C40	mg/kg	100	<100	<100	<100	**150**	<100
TRH >C10-C16	mg/kg	25	<25	<25	<25	**53**	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	<25	**53**	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	**150**	<90	**700**	**93**
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	<120	**320**	<120
TRH C10-C36 Total	mg/kg	110	<110	**170**	<110	**920**	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	<210	**1100**	<210

PARAMETER	UOM	LOR	TP419_0.5-0.6 SOIL - 7/2/2023 SE243061.056	TP419_1.0-1.1 SOIL - 7/2/2023 SE243061.057	BH501M_0.3-0.45 SOIL - 8/2/2023 SE243061.058	BH501M_1.0-1.1 SOIL - 8/2/2023 SE243061.059	BH502M_0.4-0.6 SOIL - 8/2/2023 SE243061.060
TRH C10-C14	mg/kg	20	<20	<20	**52**	<20	**23**
TRH C15-C28	mg/kg	45	**77**	<45	**1000**	**510**	**540**
TRH C29-C36	mg/kg	45	<45	<45	**1200**	**730**	**300**
TRH C37-C40	mg/kg	100	<100	<100	**590**	**360**	<100
TRH >C10-C16	mg/kg	25	<25	<25	**71**	**26**	**34**
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	**71**	**26**	**34**
TRH >C16-C34 (F3)	mg/kg	90	**110**	<90	**1800**	**990**	**760**
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	**980**	**600**	**160**
TRH C10-C36 Total	mg/kg	110	<110	<110	**2300**	**1200**	**870**
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	**2900**	**1600**	**960**

TRH (Total Recoverable Hydrocarbons) in Soil [AN403] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	BH502M_1.0-1.1 SOIL - 8/2/2023 SE243061.061	BH503_0.4-0.5 SOIL - 8/2/2023 SE243061.062	BH503_0.9-1.0 SOIL - 8/2/2023 SE243061.063	QD1 SOIL - 8/2/2023 SE243061.064	QD3 SOIL - 8/2/2023 SE243061.065
TRH C10-C14	mg/kg	20	<20	28	<20	<20	<20
TRH C15-C28	mg/kg	45	150	420	230	200	<45
TRH C29-C36	mg/kg	45	87	470	360	91	<45
TRH C37-C40	mg/kg	100	<100	150	120	<100	<100
TRH >C10-C16	mg/kg	25	<25	37	<25	25	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	37	<25	25	<25
TRH >C16-C34 (F3)	mg/kg	90	210	750	470	260	<90
TRH >C34-C40 (F4)	mg/kg	120	<120	280	230	<120	<120
TRH C10-C36 Total	mg/kg	110	240	920	580	290	<110
TRH >C10-C40 Total (F bands)	mg/kg	210	210	1100	700	290	<210

PARAMETER	UOM	LOR	QD4 SOIL - 8/2/2023 SE243061.066	QD6 SOIL - 8/2/2023 SE243061.067	BH501M_1.5-1.6 SOIL - 8/2/2023 SE243061.071	BH503M_1.5-1.6 SOIL - 8/2/2023 SE243061.072
TRH C10-C14	mg/kg	20	<20	<20	29	<20
TRH C15-C28	mg/kg	45	<45	<45	670	73
TRH C29-C36	mg/kg	45	<45	<45	660	150
TRH C37-C40	mg/kg	100	<100	<100	140	<100
TRH >C10-C16	mg/kg	25	<25	<25	40	<25
TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	40	<25
TRH >C16-C34 (F3)	mg/kg	90	<90	<90	1200	190
TRH >C34-C40 (F4)	mg/kg	120	<120	<120	270	<120
TRH C10-C36 Total	mg/kg	110	<110	<110	1400	220
TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	1500	<210

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 15/2/2023

PARAMETER	UOM	LOR	TP401_0.1-0.2 SOIL - 6/2/2023 SE243061.001	TP401_0.5-0.6 SOIL - 6/2/2023 SE243061.002	TP401_1.0-1.1 SOIL - 6/2/2023 SE243061.003	TP402_0.1-0.2 SOIL - 6/2/2023 SE243061.004	TP402_0.5-0.6 SOIL - 6/2/2023 SE243061.005
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	0.3	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	0.5	0.4	<0.1	0.1	0.2
Anthracene	mg/kg	0.1	0.2	0.2	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	0.1	1.1	1.6	<0.1	0.3	0.4
Pyrene	mg/kg	0.1	1.1	1.4	<0.1	0.3	0.4
Benzo(a)anthracene	mg/kg	0.1	0.6	1.1	<0.1	0.2	0.2
Chrysene	mg/kg	0.1	0.5	0.8	<0.1	0.2	0.2
Benzo(b&j)fluoranthene	mg/kg	0.1	0.7	1.1	<0.1	0.2	0.2
Benzo(k)fluoranthene	mg/kg	0.1	0.3	0.5	<0.1	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	0.6	1.0	<0.1	0.2	0.2
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.4	0.5	<0.1	0.1	0.1
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	0.4	0.4	<0.1	0.1	0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	0.8	1.5	<0.2	0.3	0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	0.9	1.5	<0.3	0.4	0.4
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	0.9	1.5	<0.2	0.3	0.3
Total PAH (18)	mg/kg	0.8	6.4	9.5	<0.8	1.8	2.2
Total PAH (NEPM/WHO 16)	mg/kg	0.8	6.4	9.5	<0.8	1.8	2.2

PARAMETER	UOM	LOR	TP402_1.0-1.1 SOIL - 6/2/2023 SE243061.006	TP403_0.1-0.2 SOIL - 6/2/2023 SE243061.007	TP403_0.5-0.6 SOIL - 6/2/2023 SE243061.008	TP403_1.0-1.1 SOIL - 6/2/2023 SE243061.009	TP404_0.1-0.2 SOIL - 6/2/2023 SE243061.010
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Phenanthrene	mg/kg	0.1	<0.1	0.3	1.5	<0.3↑	0.2
Anthracene	mg/kg	0.1	<0.1	<0.1	0.4	<0.3↑	<0.1
Fluoranthene	mg/kg	0.1	<0.1	0.5	3.7	<0.3↑	0.5
Pyrene	mg/kg	0.1	<0.1	0.6	3.2	<0.3↑	0.5
Benzo(a)anthracene	mg/kg	0.1	<0.1	0.3	2.2	<0.3↑	0.3
Chrysene	mg/kg	0.1	<0.1	0.3	2.1	<0.3↑	0.2
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	0.4	2.1	<0.3↑	0.3
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	0.2	0.8	<0.3↑	0.1
Benzo(a)pyrene	mg/kg	0.1	<0.1	0.4	1.7	<0.3↑	0.3
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	0.2	0.9	<0.3↑	0.2
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	0.3	<0.3↑	<0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.1	0.2	0.8	<0.3↑	0.2
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	0.5	2.6	<0.6↑	0.4
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	0.6	2.6	<0.9↑	0.5
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	0.5	2.6	<0.6↑	0.4
Total PAH (18)	mg/kg	0.8	<0.8	3.4	20	<2.4↑	2.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	3.4	20	<2.4↑	2.8

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP404_0.5-0.6 SOIL - 6/2/2023 SE243061.011	TP404_1.0-1.1 SOIL - 6/2/2023 SE243061.012	TP405_0.1-0.2 SOIL - 6/2/2023 SE243061.013	TP405_0.5-0.6 SOIL - 6/2/2023 SE243061.014	TP405_1.0-1.1 SOIL - 6/2/2023 SE243061.015
Naphthalene	mg/kg	0.1	<0.1	<0.1	**0.2**	<0.1	<0.5↑
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	**0.1**	<0.5↑
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	**0.4**	<0.1	<0.5↑
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Fluorene	mg/kg	0.1	<0.1	<0.1	**0.1**	<0.1	<0.5↑
Phenanthrene	mg/kg	0.1	<0.1	**0.1**	**2.3**	**0.4**	<0.5↑
Anthracene	mg/kg	0.1	<0.1	<0.1	**0.7**	**0.1**	<0.5↑
Fluoranthene	mg/kg	0.1	<0.1	**0.3**	**5.8**	**0.7**	<0.5↑
Pyrene	mg/kg	0.1	<0.1	**0.3**	**5.5**	**0.7**	<0.5↑
Benzo(a)anthracene	mg/kg	0.1	<0.1	**0.2**	**3.1**	**0.4**	<0.5↑
Chrysene	mg/kg	0.1	<0.1	**0.1**	**2.4**	**0.3**	<0.5↑
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.1	**0.2**	**3.1**	**0.5**	<0.5↑
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	**1.2**	**0.2**	<0.5↑
Benzo(a)pyrene	mg/kg	0.1	<0.1	**0.2**	**2.8**	**0.4**	<0.5↑
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1	<0.1	**1.5**	**0.3**	<0.5↑
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	**0.3**	<0.1	<0.5↑
Benzo(ghi)perylene	mg/kg	0.1	<0.1	<0.1	**1.3**	**0.2**	<0.5↑
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<0.2	**0.2**	**4.1**	**0.6**	<1.0↑
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<0.3	**0.3**	**4.1**	**0.7**	<1.5↑
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<0.2	**0.3**	**4.1**	**0.6**	<1.0↑
Total PAH (18)	mg/kg	0.8	<0.8	**1.4**	**31**	**4.4**	<4.0↑
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<0.8	**1.4**	**31**	**4.3**	<4.0↑

PARAMETER	UOM	LOR	TP406_0.1-0.2 SOIL - 6/2/2023 SE243061.016	TP406_0.5-0.6 SOIL - 6/2/2023 SE243061.017	TP406_1.0-1.1 SOIL - 6/2/2023 SE243061.018	TP407_0.1-0.2 SOIL - 6/2/2023 SE243061.019	TP407_0.5-0.6 SOIL - 6/2/2023 SE243061.020
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	**0.3**	<0.1	<0.1	**0.2**	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	**0.1**	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	**1.8**	<0.1	<0.1	**0.9**	**0.6**
Anthracene	mg/kg	0.1	**0.5**	<0.1	<0.1	**0.2**	**0.1**
Fluoranthene	mg/kg	0.1	**2.4**	<0.1	<0.1	**1.3**	**0.8**
Pyrene	mg/kg	0.1	**2.3**	<0.1	<0.1	**1.2**	**0.7**
Benzo(a)anthracene	mg/kg	0.1	**1.3**	<0.1	<0.1	**0.6**	**0.4**
Chrysene	mg/kg	0.1	**1.1**	<0.1	<0.1	**0.5**	**0.4**
Benzo(b&j)fluoranthene	mg/kg	0.1	**1.3**	<0.1	<0.1	**0.7**	**0.4**
Benzo(k)fluoranthene	mg/kg	0.1	**0.5**	<0.1	<0.1	**0.3**	**0.2**
Benzo(a)pyrene	mg/kg	0.1	**1.2**	<0.1	<0.1	**0.6**	**0.3**
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	**0.6**	<0.1	<0.1	**0.4**	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	**0.1**	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	**0.5**	<0.1	<0.1	**0.3**	**0.2**
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	**1.7**	<0.2	<0.2	**0.8**	**0.4**
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	**1.7**	<0.3	<0.3	**0.9**	**0.5**
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	**1.7**	<0.2	<0.2	**0.9**	**0.5**
Total PAH (18)	mg/kg	0.8	**14**	<0.8	<0.8	**7.3**	**4.2**
Total PAH (NEPM/WHO 16)	mg/kg	0.8	**14**	<0.8	<0.8	**7.3**	**4.2**

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP407_1.0-1.1 SOIL - 6/2/2023 SE243061.021	TP408_0.1-0.2 SOIL - 6/2/2023 SE243061.022	TP408_0.5-0.6 SOIL - 6/2/2023 SE243061.023	TP408_1.0-1.1 SOIL - 6/2/2023 SE243061.024	TP409_0.1-0.2 SOIL - 6/2/2023 SE243061.025
Naphthalene	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.4↑	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.4↑	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.4↑	<0.1
Acenaphthylene	mg/kg	0.1	<0.5↑	0.7	<0.1	<0.4↑	0.1
Acenaphthene	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.4↑	<0.1
Fluorene	mg/kg	0.1	<0.5↑	0.3	<0.1	<0.4↑	<0.1
Phenanthrene	mg/kg	0.1	<0.5↑	3.3	<0.1	<0.4↑	0.6
Anthracene	mg/kg	0.1	<0.5↑	0.8	<0.1	<0.4↑	0.2
Fluoranthene	mg/kg	0.1	<0.5↑	5.4	0.1	<0.4↑	1.4
Pyrene	mg/kg	0.1	<0.5↑	5.4	0.1	<0.4↑	1.5
Benzo(a)anthracene	mg/kg	0.1	<0.5↑	2.9	<0.1	<0.4↑	0.8
Chrysene	mg/kg	0.1	<0.5↑	2.4	<0.1	<0.4↑	0.7
Benzo(b&j)fluoranthene	mg/kg	0.1	<0.5↑	3.3	<0.1	<0.4↑	0.8
Benzo(k)fluoranthene	mg/kg	0.1	<0.5↑	1.3	<0.1	<0.4↑	0.3
Benzo(a)pyrene	mg/kg	0.1	<0.5↑	2.8	<0.1	<0.4↑	0.8
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.5↑	1.9	<0.1	<0.4↑	0.5
Dibenzo(ah)anthracene	mg/kg	0.1	<0.5↑	0.5	<0.1	<0.4↑	0.1
Benzo(ghi)perylene	mg/kg	0.1	<0.5↑	1.9	<0.1	<0.4↑	0.5
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	<1.0↑	4.2	<0.2	<0.8↑	1.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	<1.5↑	4.2	<0.3	<1.2↑	1.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	<1.0↑	4.2	<0.2	<0.8↑	1.2
Total PAH (18)	mg/kg	0.8	<4.0↑	33	<0.8	<3.2↑	8.4
Total PAH (NEPM/WHO 16)	mg/kg	0.8	<4.0↑	33	<0.8	<3.2↑	8.4

PARAMETER	UOM	LOR	TP409_0.5-0.6 SOIL - 6/2/2023 SE243061.026	TP409_1.0-1.1 SOIL - 6/2/2023 SE243061.027	TP410_0.1-0.2 SOIL - 6/2/2023 SE243061.028	TP410_0.5-0.6 SOIL - 6/2/2023 SE243061.029	TP410_1.0-1.1 SOIL - 6/2/2023 SE243061.030
Naphthalene	mg/kg	0.1	0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	0.2	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	0.2	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	1.0	<0.1	0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	0.8	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	6.8	<0.1	0.6	0.1	<0.1
Anthracene	mg/kg	0.1	1.5	<0.1	0.2	<0.1	<0.1
Fluoranthene	mg/kg	0.1	5.8	<0.1	1.1	0.3	0.2
Pyrene	mg/kg	0.1	5.8	<0.1	1.1	0.3	0.2
Benzo(a)anthracene	mg/kg	0.1	3.0	<0.1	0.6	0.1	<0.1
Chrysene	mg/kg	0.1	2.4	<0.1	0.5	0.1	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	2.6	<0.1	0.7	0.2	0.1
Benzo(k)fluoranthene	mg/kg	0.1	1.1	<0.1	0.3	<0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	2.4	<0.1	0.6	0.2	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	1.4	<0.1	0.4	0.1	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	0.4	<0.1	0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	1.3	<0.1	0.4	0.1	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	3.6	<0.2	0.9	0.2	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	3.6	<0.3	0.9	0.3	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	3.6	<0.2	0.9	0.3	<0.2
Total PAH (18)	mg/kg	0.8	37	<0.8	6.7	1.6	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	37	<0.8	6.7	1.6	<0.8

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP411_0.1-0.2 SOIL - 7/2/2023 SE243061.031	TP411_0.5-0.6 SOIL - 7/2/2023 SE243061.032	TP411_1.0-1.1 SOIL - 7/2/2023 SE243061.033	TP412_0.1-0.2 SOIL - 7/2/2023 SE243061.034	TP412_0.5-0.6 SOIL - 7/2/2023 SE243061.035
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	0.1	<0.1	<0.1	0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	0.4	0.2	<0.1	0.8	0.3
Anthracene	mg/kg	0.1	0.1	<0.1	<0.1	0.2	<0.1
Fluoranthene	mg/kg	0.1	1.1	0.5	<0.1	1.1	0.6
Pyrene	mg/kg	0.1	1.2	0.5	<0.1	1.0	0.6
Benzo(a)anthracene	mg/kg	0.1	0.7	0.3	<0.1	0.5	0.3
Chrysene	mg/kg	0.1	0.6	0.3	<0.1	0.4	0.2
Benzo(b&j)fluoranthene	mg/kg	0.1	0.8	0.3	<0.1	0.5	0.3
Benzo(k)fluoranthene	mg/kg	0.1	0.3	0.1	<0.1	0.2	0.1
Benzo(a)pyrene	mg/kg	0.1	0.7	0.3	<0.1	0.5	0.3
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.4	0.2	<0.1	0.3	0.2
Dibenzo(ah)anthracene	mg/kg	0.1	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	0.4	0.2	<0.1	0.3	0.2
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	1.0	0.4	<0.2	0.7	0.4
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	1.0	0.5	<0.3	0.8	0.5
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	1.0	0.5	<0.2	0.7	0.4
Total PAH (18)	mg/kg	0.8	7.0	3.0	<0.8	6.1	3.1
Total PAH (NEPM/WHO 16)	mg/kg	0.8	7.0	3.0	<0.8	6.1	3.1

PARAMETER	UOM	LOR	TP412_1.0-1.1 SOIL - 7/2/2023 SE243061.036	TP413_0.1-0.2 SOIL - 7/2/2023 SE243061.037	TP413_0.5-0.6 SOIL - 7/2/2023 SE243061.038	TP413_1.0-1.1 SOIL - 7/2/2023 SE243061.039	TP414_0.1-0.2 SOIL - 7/2/2023 SE243061.040
Naphthalene	mg/kg	0.1	<0.1	<0.1	0.1	<0.2↑	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.2↑	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.2↑	<0.1
Acenaphthylene	mg/kg	0.1	0.1	0.1	0.2	<0.2↑	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.2↑	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.2↑	<0.1
Phenanthrene	mg/kg	0.1	0.6	0.5	1.0	<0.2↑	0.2
Anthracene	mg/kg	0.1	0.2	0.1	0.3	<0.2↑	<0.1
Fluoranthene	mg/kg	0.1	1.0	1.0	1.5	<0.2↑	0.5
Pyrene	mg/kg	0.1	1.0	1.1	1.5	<0.2↑	0.5
Benzo(a)anthracene	mg/kg	0.1	0.5	0.6	0.7	<0.2↑	0.3
Chrysene	mg/kg	0.1	0.5	0.5	0.6	<0.2↑	0.3
Benzo(b&j)fluoranthene	mg/kg	0.1	0.6	0.6	0.6	<0.2↑	0.3
Benzo(k)fluoranthene	mg/kg	0.1	0.3	0.3	0.3	<0.2↑	0.1
Benzo(a)pyrene	mg/kg	0.1	0.5	0.6	0.6	<0.2↑	0.3
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.3	0.4	0.3	<0.2↑	0.2
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.2↑	<0.1
Benzo(ghi)perylene	mg/kg	0.1	0.3	0.4	0.3	<0.2↑	0.2
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	0.7	0.8	0.8	<0.4↑	0.4
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	0.8	0.9	0.9	<0.6↑	0.5
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	0.8	0.8	0.9	<0.4↑	0.5
Total PAH (18)	mg/kg	0.8	6.0	6.2	8.0	<1.6↑	3.0
Total PAH (NEPM/WHO 16)	mg/kg	0.8	6.0	6.2	8.0	<1.6↑	3.0

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP414_0.5-0.6 SOIL - 7/2/2023 SE243061.041	TP414_1.0-1.1 SOIL - 7/2/2023 SE243061.042	TP415_0.1-0.2 SOIL - 7/2/2023 SE243061.043	TP415_0.5-0.6 SOIL - 7/2/2023 SE243061.044	TP415_1.0-1.1 SOIL - 7/2/2023 SE243061.045
Naphthalene	mg/kg	0.1	0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	1.0	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	0.5	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	7.7	<0.1	0.2	0.5	<0.1
Anthracene	mg/kg	0.1	2.2	<0.1	<0.1	0.1	<0.1
Fluoranthene	mg/kg	0.1	11	<0.1	0.4	0.6	<0.1
Pyrene	mg/kg	0.1	12	<0.1	0.4	0.6	<0.1
Benzo(a)anthracene	mg/kg	0.1	6.2	<0.1	0.2	0.3	<0.1
Chrysene	mg/kg	0.1	5.4	<0.1	0.2	0.3	<0.1
Benzo(b&j)fluoranthene	mg/kg	0.1	5.4	<0.1	0.3	0.3	<0.1
Benzo(k)fluoranthene	mg/kg	0.1	2.2	<0.1	0.1	0.1	<0.1
Benzo(a)pyrene	mg/kg	0.1	5.0	<0.1	0.2	0.2	<0.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	3.0	<0.1	0.2	0.2	<0.1
Dibenzo(ah)anthracene	mg/kg	0.1	0.7	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	3.0	<0.1	0.2	0.2	<0.1
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	7.5	<0.2	0.3	0.3	<0.2
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	7.5	<0.3	0.4	0.4	<0.3
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	7.5	<0.2	0.4	0.4	<0.2
Total PAH (18)	mg/kg	0.8	66	<0.8	2.4	3.3	<0.8
Total PAH (NEPM/WHO 16)	mg/kg	0.8	66	<0.8	2.4	3.3	<0.8

PARAMETER	UOM	LOR	TP416_0.1-0.2 SOIL - 7/2/2023 SE243061.046	TP416_0.5-0.6 SOIL - 7/2/2023 SE243061.047	TP416_1.0-1.1 SOIL - 7/2/2023 SE243061.048	TP417_0.1-0.2 SOIL - 7/2/2023 SE243061.049	TP417_0.5-0.6 SOIL - 7/2/2023 SE243061.050
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	0.1	0.4	<0.1	0.2	0.2
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	0.5	1.6	<0.1	1.2	0.8
Anthracene	mg/kg	0.1	0.2	0.5	<0.1	0.4	0.2
Fluoranthene	mg/kg	0.1	1.6	3.3	0.2	2.3	1.7
Pyrene	mg/kg	0.1	1.8	3.3	0.3	2.4	1.9
Benzo(a)anthracene	mg/kg	0.1	1.0	1.8	0.1	1.4	1.0
Chrysene	mg/kg	0.1	0.9	1.5	0.1	1.2	0.8
Benzo(b&j)fluoranthene	mg/kg	0.1	1.2	2.0	0.2	1.6	1.1
Benzo(k)fluoranthene	mg/kg	0.1	0.5	0.9	<0.1	0.7	0.4
Benzo(a)pyrene	mg/kg	0.1	1.0	1.9	0.2	1.5	1.0
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.6	1.2	0.1	0.9	0.6
Dibenzo(ah)anthracene	mg/kg	0.1	0.2	0.3	<0.1	0.2	0.1
Benzo(ghi)perylene	mg/kg	0.1	0.7	1.2	0.1	0.9	0.6
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	1.5	2.8	0.2	2.2	1.4
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	1.5	2.8	0.3	2.2	1.4
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	1.5	2.8	0.3	2.2	1.4
Total PAH (18)	mg/kg	0.8	10	20	1.4	15	10
Total PAH (NEPM/WHO 16)	mg/kg	0.8	10	20	1.4	15	10

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP417_1.0-1.1 SOIL - 7/2/2023 SE243061.051	TP418_0.1-0.2 SOIL - 7/2/2023 SE243061.052	TP418_0.5-0.6 SOIL - 7/2/2023 SE243061.053	TP418_1.0-1.1 SOIL - 7/2/2023 SE243061.054	TP419_0.1-0.2 SOIL - 7/2/2023 SE243061.055
Naphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	0.1
Acenaphthene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	0.1	<0.1	0.3	0.1	<0.1	0.4
Anthracene	mg/kg	0.1	<0.1	0.1	<0.1	<0.1	0.1
Fluoranthene	mg/kg	0.1	0.2	0.8	0.2	<0.1	0.9
Pyrene	mg/kg	0.1	0.2	0.8	0.2	<0.1	1.0
Benzo(a)anthracene	mg/kg	0.1	0.2	0.4	0.1	<0.1	0.5
Chrysene	mg/kg	0.1	0.2	0.4	0.1	<0.1	0.5
Benzo(b&j)fluoranthene	mg/kg	0.1	0.2	0.5	0.1	<0.1	0.6
Benzo(k)fluoranthene	mg/kg	0.1	<0.1	0.2	<0.1	<0.1	0.3
Benzo(a)pyrene	mg/kg	0.1	0.2	0.5	0.1	<0.1	0.6
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.1	0.3	<0.1	<0.1	0.4
Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(ghi)perylene	mg/kg	0.1	0.1	0.3	<0.1	<0.1	0.4
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	0.3	0.6	<0.2	<0.2	0.8
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	0.4	0.7	<0.3	<0.3	0.9
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	0.3	0.7	<0.2	<0.2	0.8
Total PAH (18)	mg/kg	0.8	1.5	4.6	0.9	<0.8	6.0
Total PAH (NEPM/WHO 16)	mg/kg	0.8	1.5	4.6	0.9	<0.8	6.0

PARAMETER	UOM	LOR	TP419_0.5-0.6 SOIL - 7/2/2023 SE243061.056	TP419_1.0-1.1 SOIL - 7/2/2023 SE243061.057	BH501M_0.3-0.45 SOIL - 8/2/2023 SE243061.058	BH501M_1.0-1.1 SOIL - 8/2/2023 SE243061.059	BH502M_0.4-0.6 SOIL - 8/2/2023 SE243061.060
Naphthalene	mg/kg	0.1	<0.1	<0.1	0.2	<0.1	0.4
2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	0.2	<0.1	0.1
1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	0.3	<0.1	0.2
Acenaphthylene	mg/kg	0.1	0.2	<0.1	0.4	0.3	2.0
Acenaphthene	mg/kg	0.1	<0.1	<0.1	0.4	0.1	0.1
Fluorene	mg/kg	0.1	<0.1	<0.1	0.3	<0.1	0.5
Phenanthrene	mg/kg	0.1	1.1	0.3	4.2	1.6	6.3
Anthracene	mg/kg	0.1	0.3	<0.1	1.6	0.7	2.2
Fluoranthene	mg/kg	0.1	2.2	0.7	6.1	3.6	16
Pyrene	mg/kg	0.1	2.3	0.7	7.4	4.0	16
Benzo(a)anthracene	mg/kg	0.1	1.2	0.3	4.7	2.6	11
Chrysene	mg/kg	0.1	1.0	0.3	4.0	2.2	9.1
Benzo(b&j)fluoranthene	mg/kg	0.1	1.2	0.3	5.0	2.9	13
Benzo(k)fluoranthene	mg/kg	0.1	0.5	0.2	1.7	1.0	5.1
Benzo(a)pyrene	mg/kg	0.1	1.1	0.3	4.6	2.6	11
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.7	0.2	3.1	1.8	7.5
Dibenzo(ah)anthracene	mg/kg	0.1	0.2	<0.1	0.8	0.4	1.7
Benzo(ghi)perylene	mg/kg	0.1	0.7	0.2	3.7	2.2	6.5
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	1.7	0.4	6.9	3.9	17
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	1.7	0.5	6.9	3.9	17
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	1.7	0.5	6.9	3.9	17
Total PAH (18)	mg/kg	0.8	13	3.5	49	26	110
Total PAH (NEPM/WHO 16)	mg/kg	0.8	13	3.5	48	26	110

PAH (Polynuclear Aromatic Hydrocarbons) in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	BH502M_1.0-1.1 SOIL - 8/2/2023 SE243061.061	BH503_0.4-0.5 SOIL - 8/2/2023 SE243061.062	BH503_0.9-1.0 SOIL - 8/2/2023 SE243061.063	BH501M_1.5-1.6 SOIL - 8/2/2023 SE243061.071	BH503M_1.5-1.6 SOIL - 8/2/2023 SE243061.072
Naphthalene	mg/kg	0.1	0.1	0.2	<0.1	<0.4↑	0.7
2-methylnaphthalene	mg/kg	0.1	<0.1	0.1	<0.1	<0.4↑	0.2
1-methylnaphthalene	mg/kg	0.1	0.2	0.1	<0.1	<0.4↑	0.1
Acenaphthylene	mg/kg	0.1	0.8	0.2	<0.1	<0.4↑	<0.1
Acenaphthene	mg/kg	0.1	0.1	<0.1	<0.1	<0.4↑	0.1
Fluorene	mg/kg	0.1	0.3	<0.1	<0.1	<0.4↑	0.2
Phenanthrene	mg/kg	0.1	3.3	1.2	0.2	1.0	1.9
Anthracene	mg/kg	0.1	0.9	0.3	<0.1	<0.4↑	0.4
Fluoranthene	mg/kg	0.1	4.7	1.4	0.4	2.2	1.5
Pyrene	mg/kg	0.1	4.3	1.4	0.4	2.3	1.2
Benzo(a)anthracene	mg/kg	0.1	2.5	0.7	0.2	1.5	0.7
Chrysene	mg/kg	0.1	1.9	0.6	0.2	1.2	0.6
Benzo(b&j)fluoranthene	mg/kg	0.1	2.7	0.9	0.3	1.3	0.5
Benzo(k)fluoranthene	mg/kg	0.1	1.1	0.3	0.1	0.5	0.2
Benzo(a)pyrene	mg/kg	0.1	2.4	0.7	0.2	1.3	0.4
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	1.5	0.5	0.2	0.7	0.2
Dibenzo(ah)anthracene	mg/kg	0.1	0.3	0.1	<0.1	<0.4↑	<0.1
Benzo(ghi)perylene	mg/kg	0.1	1.4	0.5	0.2	0.8	0.2
Carcinogenic PAHs, BaP TEQ <LOR=0*	TEQ (mg/kg)	0.2	3.6	1.0	0.3	1.9	0.6
Carcinogenic PAHs, BaP TEQ <LOR=LOR*	TEQ (mg/kg)	0.3	3.6	1.0	0.4	1.9	0.7
Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	TEQ (mg/kg)	0.2	3.6	1.0	0.4	1.9	0.6
Total PAH (18)	mg/kg	0.8	28	9.3	2.4	14	9.1
Total PAH (NEPM/WHO 16)	mg/kg	0.8	28	9.0	2.4	14	8.8

OC Pesticides in Soil [AN420] Tested: 15/2/2023

PARAMETER	UOM	LOR	TP401_0.1-0.2 SOIL - 6/2/2023 SE243061.001	TP401_0.5-0.6 SOIL - 6/2/2023 SE243061.002	TP401_1.0-1.1 SOIL - 6/2/2023 SE243061.003	TP402_0.1-0.2 SOIL - 6/2/2023 SE243061.004	TP402_0.5-0.6 SOIL - 6/2/2023 SE243061.005
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	**0.2**	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	**0.3**	<0.1	<0.1	**0.3**	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	**0.1**	<0.1	<0.1	**0.4**	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP402_1.0-1.1 SOIL - 6/2/2023 SE243061.006	TP403_0.1-0.2 SOIL - 6/2/2023 SE243061.007	TP403_0.5-0.6 SOIL - 6/2/2023 SE243061.008	TP403_1.0-1.1 SOIL - 6/2/2023 SE243061.009	TP404_0.1-0.2 SOIL - 6/2/2023 SE243061.010
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<3↑	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<3↑	<1

OC Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP404_0.5-0.6 SOIL - 6/2/2023 SE243061.011	TP404_1.0-1.1 SOIL - 6/2/2023 SE243061.012	TP405_0.1-0.2 SOIL - 6/2/2023 SE243061.013	TP405_0.5-0.6 SOIL - 6/2/2023 SE243061.014	TP405_1.0-1.1 SOIL - 6/2/2023 SE243061.015
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	**0.3**	<0.1	<0.5↑
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	**0.2**	<0.1	<0.5↑
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.5↑
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<5↑
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<5↑

OC Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP406_0.1-0.2 SOIL - 6/2/2023 SE243061.016	TP406_0.5-0.6 SOIL - 6/2/2023 SE243061.017	TP406_1.0-1.1 SOIL - 6/2/2023 SE243061.018	TP407_0.1-0.2 SOIL - 6/2/2023 SE243061.019	TP407_0.5-0.6 SOIL - 6/2/2023 SE243061.020
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP407_1.0-1.1 SOIL - 6/2/2023 SE243061.021	TP408_0.1-0.2 SOIL - 6/2/2023 SE243061.022	TP408_0.5-0.6 SOIL - 6/2/2023 SE243061.023	TP408_1.0-1.1 SOIL - 6/2/2023 SE243061.024	TP409_0.1-0.2 SOIL - 6/2/2023 SE243061.025
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Alpha BHC	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Heptachlor	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	**0.3**
Aldrin	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Beta BHC	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Delta BHC	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	**0.6**
o,p'-DDE*	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.5↑	<0.2	<0.2	<0.5↑	<0.2
Gamma Chlordane	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	**0.9**
Alpha Chlordane	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	**0.2**
trans-Nonachlor	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	**0.1**
p,p'-DDE	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Dieldrin	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.2
Endrin	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.2
o,p'-DDD*	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
o,p'-DDT*	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Beta Endosulfan	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.2
p,p'-DDD	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
p,p'-DDT	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Endrin aldehyde	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Methoxychlor	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Endrin ketone	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Isodrin	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Mirex	mg/kg	0.1	<0.5↑	<0.1	<0.1	<0.5↑	<0.1
Total CLP OC Pesticides	mg/kg	1	<5↑	<1	<1	<5↑	**2**
Total OC VIC EPA	mg/kg	1	<5↑	<1	<1	<5↑	**1**

OC Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP409_0.5-0.6 SOIL - 6/2/2023 SE243061.026	TP409_1.0-1.1 SOIL - 6/2/2023 SE243061.027	TP410_0.1-0.2 SOIL - 6/2/2023 SE243061.028	TP410_0.5-0.6 SOIL - 6/2/2023 SE243061.029	TP410_1.0-1.1 SOIL - 6/2/2023 SE243061.030
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	**2.2**	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	**0.3**	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	**3.7**	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	**0.4**	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	**0.1**	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	**6**	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	**3**	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP411_0.1-0.2 SOIL - 7/2/2023 SE243061.031	TP411_0.5-0.6 SOIL - 7/2/2023 SE243061.032	TP411_1.0-1.1 SOIL - 7/2/2023 SE243061.033	TP412_0.1-0.2 SOIL - 7/2/2023 SE243061.034	TP412_0.5-0.6 SOIL - 7/2/2023 SE243061.035
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	**0.6**	**0.1**
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	**0.7**	**0.2**
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	**1.1**	**0.2**
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	**0.2**	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	**3**	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	**1**	<1

OC Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP412_1.0-1.1 SOIL - 7/2/2023 SE243061.036	TP413_0.1-0.2 SOIL - 7/2/2023 SE243061.037	TP413_0.5-0.6 SOIL - 7/2/2023 SE243061.038	TP413_1.0-1.1 SOIL - 7/2/2023 SE243061.039	TP414_0.1-0.2 SOIL - 7/2/2023 SE243061.040
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	**0.5**	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	**0.2**	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	**0.4**	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	**1**	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP414_0.5-0.6 SOIL - 7/2/2023 SE243061.041	TP414_1.0-1.1 SOIL - 7/2/2023 SE243061.042	TP415_0.1-0.2 SOIL - 7/2/2023 SE243061.043	TP415_0.5-0.6 SOIL - 7/2/2023 SE243061.044	TP415_1.0-1.1 SOIL - 7/2/2023 SE243061.045
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	**0.2**	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	**0.1**	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP416_0.1-0.2 SOIL - 7/2/2023 SE243061.046	TP416_0.5-0.6 SOIL - 7/2/2023 SE243061.047	TP416_1.0-1.1 SOIL - 7/2/2023 SE243061.048	TP417_0.1-0.2 SOIL - 7/2/2023 SE243061.049	TP417_0.5-0.6 SOIL - 7/2/2023 SE243061.050
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	**0.1**	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	**0.8**	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP417_1.0-1.1 SOIL - 7/2/2023 SE243061.051	TP418_0.1-0.2 SOIL - 7/2/2023 SE243061.052	TP418_0.5-0.6 SOIL - 7/2/2023 SE243061.053	TP418_1.0-1.1 SOIL - 7/2/2023 SE243061.054	TP419_0.1-0.2 SOIL - 7/2/2023 SE243061.055
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	**0.1**	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	**1.2**	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	**1**	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	**1**	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP419_0.5-0.6 SOIL - 7/2/2023 SE243061.056	TP419_1.0-1.1 SOIL - 7/2/2023 SE243061.057	BH501M_0.3-0.45 SOIL - 8/2/2023 SE243061.058	BH501M_1.0-1.1 SOIL - 8/2/2023 SE243061.059	BH502M_0.4-0.6 SOIL - 8/2/2023 SE243061.060
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<1	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<1	<1

OC Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	BH502M_1.0-1.1 SOIL - 8/2/2023 SE243061.061	BH503_0.4-0.5 SOIL - 8/2/2023 SE243061.062	BH503_0.9-1.0 SOIL - 8/2/2023 SE243061.063	BH501M_1.5-1.6 SOIL - 8/2/2023 SE243061.071	BH503M_1.5-1.6 SOIL - 8/2/2023 SE243061.072
Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.4↑	<0.1
Alpha BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Heptachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Aldrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Beta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Delta BHC	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.8↑	<0.2
Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.4↑	<0.1
Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
p,p'-DDE	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Dieldrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.8↑	<0.2
Endrin	mg/kg	0.2	<0.2	<0.2	<0.2	<0.8↑	<0.2
o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.4↑	<0.1
o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	<0.2	<0.8↑	<0.2
p,p'-DDD	mg/kg	0.1	<0.1	<0.1	<0.1	<0.4↑	<0.1
p,p'-DDT	mg/kg	0.1	<0.1	<0.1	<0.1	<0.4↑	<0.1
Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	**0.2**	<0.3↑	<0.1
Methoxychlor	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Endrin ketone	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Isodrin	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Mirex	mg/kg	0.1	<0.1	<0.1	<0.1	<0.3↑	<0.1
Total CLP OC Pesticides	mg/kg	1	<1	<1	<1	<4↑	<1
Total OC VIC EPA	mg/kg	1	<1	<1	<1	<4↑	<1

OP Pesticides in Soil [AN420] Tested: 15/2/2023

PARAMETER	UOM	LOR	TP401_0.1-0.2 SOIL - 6/2/2023 SE243061.001	TP401_0.5-0.6 SOIL - 6/2/2023 SE243061.002	TP401_1.0-1.1 SOIL - 6/2/2023 SE243061.003	TP402_0.1-0.2 SOIL - 6/2/2023 SE243061.004	TP402_0.5-0.6 SOIL - 6/2/2023 SE243061.005
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

PARAMETER	UOM	LOR	TP402_1.0-1.1 SOIL - 6/2/2023 SE243061.006	TP403_0.1-0.2 SOIL - 6/2/2023 SE243061.007	TP403_0.5-0.6 SOIL - 6/2/2023 SE243061.008	TP403_1.0-1.1 SOIL - 6/2/2023 SE243061.009	TP404_0.1-0.2 SOIL - 6/2/2023 SE243061.010
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<1.5↑	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<1.5↑	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<1.5↑	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<1.5↑	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<5.1↑	<1.7

PARAMETER	UOM	LOR	TP404_0.5-0.6 SOIL - 6/2/2023 SE243061.011	TP404_1.0-1.1 SOIL - 6/2/2023 SE243061.012	TP405_0.1-0.2 SOIL - 6/2/2023 SE243061.013	TP405_0.5-0.6 SOIL - 6/2/2023 SE243061.014	TP405_1.0-1.1 SOIL - 6/2/2023 SE243061.015
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<2.5↑
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<2.5↑
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<2.5↑
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<2.5↑
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<8.5↑

OP Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP406_0.1-0.2 SOIL - 6/2/2023 SE243061.016	TP406_0.5-0.6 SOIL - 6/2/2023 SE243061.017	TP406_1.0-1.1 SOIL - 6/2/2023 SE243061.018	TP407_0.1-0.2 SOIL - 6/2/2023 SE243061.019	TP407_0.5-0.6 SOIL - 6/2/2023 SE243061.020
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

PARAMETER	UOM	LOR	TP407_1.0-1.1 SOIL - 6/2/2023 SE243061.021	TP408_0.1-0.2 SOIL - 6/2/2023 SE243061.022	TP408_0.5-0.6 SOIL - 6/2/2023 SE243061.023	TP408_1.0-1.1 SOIL - 6/2/2023 SE243061.024	TP409_0.1-0.2 SOIL - 6/2/2023 SE243061.025
Dichlorvos	mg/kg	0.5	<2.5↑	<0.5	<0.5	<2.0↑	<0.5
Dimethoate	mg/kg	0.5	<2.5↑	<0.5	<0.5	<2.0↑	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<2.5↑	<0.5	<0.5	<2.0↑	<0.5
Fenitrothion	mg/kg	0.2	<1.0↑	<0.2	<0.2	<0.8↑	<0.2
Malathion	mg/kg	0.2	<1.0↑	<0.2	<0.2	<0.8↑	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<1.0↑	<0.2	<0.2	<0.8↑	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<1.0↑	<0.2	<0.2	<0.8↑	<0.2
Bromophos Ethyl	mg/kg	0.2	<1.0↑	<0.2	<0.2	<0.8↑	<0.2
Methidathion	mg/kg	0.5	<2.5↑	<0.5	<0.5	<2.0↑	<0.5
Ethion	mg/kg	0.2	<1.0↑	<0.2	<0.2	<0.8↑	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<1.0↑	<0.2	<0.2	<0.8↑	<0.2
Total OP Pesticides*	mg/kg	1.7	<8.5↑	<1.7	<1.7	<6.8↑	<1.7

PARAMETER	UOM	LOR	TP409_0.5-0.6 SOIL - 6/2/2023 SE243061.026	TP409_1.0-1.1 SOIL - 6/2/2023 SE243061.027	TP410_0.1-0.2 SOIL - 6/2/2023 SE243061.028	TP410_0.5-0.6 SOIL - 6/2/2023 SE243061.029	TP410_1.0-1.1 SOIL - 6/2/2023 SE243061.030
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

OP Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP411_0.1-0.2 SOIL - 7/2/2023 SE243061.031	TP411_0.5-0.6 SOIL - 7/2/2023 SE243061.032	TP411_1.0-1.1 SOIL - 7/2/2023 SE243061.033	TP412_0.1-0.2 SOIL - 7/2/2023 SE243061.034	TP412_0.5-0.6 SOIL - 7/2/2023 SE243061.035
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

PARAMETER	UOM	LOR	TP412_1.0-1.1 SOIL - 7/2/2023 SE243061.036	TP413_0.1-0.2 SOIL - 7/2/2023 SE243061.037	TP413_0.5-0.6 SOIL - 7/2/2023 SE243061.038	TP413_1.0-1.1 SOIL - 7/2/2023 SE243061.039	TP414_0.1-0.2 SOIL - 7/2/2023 SE243061.040
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<1.0↑	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<1.0↑	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<1.0↑	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.4↑	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.4↑	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.4↑	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.4↑	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.4↑	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<1.0↑	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.4↑	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.4↑	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<3.4↑	<1.7

PARAMETER	UOM	LOR	TP414_0.5-0.6 SOIL - 7/2/2023 SE243061.041	TP414_1.0-1.1 SOIL - 7/2/2023 SE243061.042	TP415_0.1-0.2 SOIL - 7/2/2023 SE243061.043	TP415_0.5-0.6 SOIL - 7/2/2023 SE243061.044	TP415_1.0-1.1 SOIL - 7/2/2023 SE243061.045
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

OP Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP416_0.1-0.2 SOIL - 7/2/2023 SE243061.046	TP416_0.5-0.6 SOIL - 7/2/2023 SE243061.047	TP416_1.0-1.1 SOIL - 7/2/2023 SE243061.048	TP417_0.1-0.2 SOIL - 7/2/2023 SE243061.049	TP417_0.5-0.6 SOIL - 7/2/2023 SE243061.050
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

PARAMETER	UOM	LOR	TP417_1.0-1.1 SOIL - 7/2/2023 SE243061.051	TP418_0.1-0.2 SOIL - 7/2/2023 SE243061.052	TP418_0.5-0.6 SOIL - 7/2/2023 SE243061.053	TP418_1.0-1.1 SOIL - 7/2/2023 SE243061.054	TP419_0.1-0.2 SOIL - 7/2/2023 SE243061.055
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

PARAMETER	UOM	LOR	TP419_0.5-0.6 SOIL - 7/2/2023 SE243061.056	TP419_1.0-1.1 SOIL - 7/2/2023 SE243061.057	BH501M_0.3-0.45 SOIL - 8/2/2023 SE243061.058	BH501M_1.0-1.1 SOIL - 8/2/2023 SE243061.059	BH502M_0.4-0.6 SOIL - 8/2/2023 SE243061.060
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<1.7	<1.7

OP Pesticides in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	BH502M_1.0-1.1 SOIL - 8/2/2023 SE243061.061	BH503_0.4-0.5 SOIL - 8/2/2023 SE243061.062	BH503_0.9-1.0 SOIL - 8/2/2023 SE243061.063	BH501M_1.5-1.6 SOIL - 8/2/2023 SE243061.071	BH503M_1.5-1.6 SOIL - 8/2/2023 SE243061.072
Dichlorvos	mg/kg	0.5	<0.5	<0.5	<0.5	<2.0↑	<0.5
Dimethoate	mg/kg	0.5	<0.5	<0.5	<0.5	<2.0↑	<0.5
Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	<0.5	<2.0↑	<0.5
Fenitrothion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.8↑	<0.2
Malathion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.8↑	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.8↑	<0.2
Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.8↑	<0.2
Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	<0.2	<0.8↑	<0.2
Methidathion	mg/kg	0.5	<0.5	<0.5	<0.5	<2.0↑	<0.5
Ethion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.8↑	<0.2
Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	<0.2	<0.8↑	<0.2
Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	<1.7	<6.8↑	<1.7

PCBs in Soil [AN420] Tested: 15/2/2023

PARAMETER	UOM	LOR	TP401_0.1-0.2 SOIL - 6/2/2023 SE243061.001	TP401_0.5-0.6 SOIL - 6/2/2023 SE243061.002	TP401_1.0-1.1 SOIL - 6/2/2023 SE243061.003	TP402_0.1-0.2 SOIL - 6/2/2023 SE243061.004	TP402_0.5-0.6 SOIL - 6/2/2023 SE243061.005
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<1	<1

PARAMETER	UOM	LOR	TP402_1.0-1.1 SOIL - 6/2/2023 SE243061.006	TP403_0.1-0.2 SOIL - 6/2/2023 SE243061.007	TP403_0.5-0.6 SOIL - 6/2/2023 SE243061.008	TP403_1.0-1.1 SOIL - 6/2/2023 SE243061.009	TP404_0.1-0.2 SOIL - 6/2/2023 SE243061.010
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<3↑	<1

PARAMETER	UOM	LOR	TP404_0.5-0.6 SOIL - 6/2/2023 SE243061.011	TP404_1.0-1.1 SOIL - 6/2/2023 SE243061.012	TP405_0.1-0.2 SOIL - 6/2/2023 SE243061.013	TP405_0.5-0.6 SOIL - 6/2/2023 SE243061.014	TP405_1.0-1.1 SOIL - 6/2/2023 SE243061.015
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<1.0↑
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<1	<5↑

PCBs in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP406_0.1-0.2 SOIL - 6/2/2023 SE243061.016	TP406_0.5-0.6 SOIL - 6/2/2023 SE243061.017	TP406_1.0-1.1 SOIL - 6/2/2023 SE243061.018	TP407_0.1-0.2 SOIL - 6/2/2023 SE243061.019	TP407_0.5-0.6 SOIL - 6/2/2023 SE243061.020
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<1	<1

PARAMETER	UOM	LOR	TP407_1.0-1.1 SOIL - 6/2/2023 SE243061.021	TP408_0.1-0.2 SOIL - 6/2/2023 SE243061.022	TP408_0.5-0.6 SOIL - 6/2/2023 SE243061.023	TP408_1.0-1.1 SOIL - 6/2/2023 SE243061.024	TP409_0.1-0.2 SOIL - 6/2/2023 SE243061.025
Arochlor 1016	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.2
Arochlor 1221	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.2
Arochlor 1232	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.2
Arochlor 1242	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.2
Arochlor 1248	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.2
Arochlor 1254	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.2
Arochlor 1260	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.2
Arochlor 1262	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.2
Arochlor 1268	mg/kg	0.2	<1.0↑	<0.2	<0.2	<1.0↑	<0.2
Total PCBs (Arochlors)	mg/kg	1	<5↑	<1	<1	<5↑	<1

PARAMETER	UOM	LOR	TP409_0.5-0.6 SOIL - 6/2/2023 SE243061.026	TP409_1.0-1.1 SOIL - 6/2/2023 SE243061.027	TP410_0.1-0.2 SOIL - 6/2/2023 SE243061.028	TP410_0.5-0.6 SOIL - 6/2/2023 SE243061.029	TP410_1.0-1.1 SOIL - 6/2/2023 SE243061.030
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<1	<1

PCBs in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP411_0.1-0.2 SOIL - 7/2/2023 SE243061.031	TP411_0.5-0.6 SOIL - 7/2/2023 SE243061.032	TP411_1.0-1.1 SOIL - 7/2/2023 SE243061.033	TP412_0.1-0.2 SOIL - 7/2/2023 SE243061.034	TP412_0.5-0.6 SOIL - 7/2/2023 SE243061.035
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<1	<1

PARAMETER	UOM	LOR	TP412_1.0-1.1 SOIL - 7/2/2023 SE243061.036	TP413_0.1-0.2 SOIL - 7/2/2023 SE243061.037	TP413_0.5-0.6 SOIL - 7/2/2023 SE243061.038	TP413_1.0-1.1 SOIL - 7/2/2023 SE243061.039	TP414_0.1-0.2 SOIL - 7/2/2023 SE243061.040
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<1	<1

PARAMETER	UOM	LOR	TP414_0.5-0.6 SOIL - 7/2/2023 SE243061.041	TP414_1.0-1.1 SOIL - 7/2/2023 SE243061.042	TP415_0.1-0.2 SOIL - 7/2/2023 SE243061.043	TP415_0.5-0.6 SOIL - 7/2/2023 SE243061.044	TP415_1.0-1.1 SOIL - 7/2/2023 SE243061.045
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<1	<1

PCBs in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP416_0.1-0.2 SOIL - 7/2/2023 SE243061.046	TP416_0.5-0.6 SOIL - 7/2/2023 SE243061.047	TP416_1.0-1.1 SOIL - 7/2/2023 SE243061.048	TP417_0.1-0.2 SOIL - 7/2/2023 SE243061.049	TP417_0.5-0.6 SOIL - 7/2/2023 SE243061.050
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<1	<1

PARAMETER	UOM	LOR	TP417_1.0-1.1 SOIL - 7/2/2023 SE243061.051	TP418_0.1-0.2 SOIL - 7/2/2023 SE243061.052	TP418_0.5-0.6 SOIL - 7/2/2023 SE243061.053	TP418_1.0-1.1 SOIL - 7/2/2023 SE243061.054	TP419_0.1-0.2 SOIL - 7/2/2023 SE243061.055
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<1	<1

PARAMETER	UOM	LOR	TP419_0.5-0.6 SOIL - 7/2/2023 SE243061.056	TP419_1.0-1.1 SOIL - 7/2/2023 SE243061.057	BH501M_0.3-0.45 SOIL - 8/2/2023 SE243061.058	BH501M_1.0-1.1 SOIL - 8/2/2023 SE243061.059	BH502M_0.4-0.6 SOIL - 8/2/2023 SE243061.060
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<1	<1

PCBs in Soil [AN420] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	BH502M_1.0-1.1 SOIL - 8/2/2023 SE243061.061	BH503_0.4-0.5 SOIL - 8/2/2023 SE243061.062	BH503_0.9-1.0 SOIL - 8/2/2023 SE243061.063	BH501M_1.5-1.6 SOIL - 8/2/2023 SE243061.071	BH503M_1.5-1.6 SOIL - 8/2/2023 SE243061.072
Arochlor 1016	mg/kg	0.2	<0.2	<0.2	<0.2	<0.8↑	<0.2
Arochlor 1221	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Arochlor 1232	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Arochlor 1242	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Arochlor 1248	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Arochlor 1254	mg/kg	0.2	<0.2	<0.2	<0.2	<0.6↑	<0.2
Arochlor 1260	mg/kg	0.2	<0.2	<0.2	<0.2	<0.8↑	<0.2
Arochlor 1262	mg/kg	0.2	<0.2	<0.2	<0.2	<0.4↑	<0.2
Arochlor 1268	mg/kg	0.2	<0.2	<0.2	<0.2	<0.4↑	<0.2
Total PCBs (Arochlors)	mg/kg	1	<1	<1	<1	<4↑	<1

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES [AN040/AN320] Tested: 15/2/2023

PARAMETER	UOM	LOR	TP401_0.1-0.2 SOIL - 6/2/2023 SE243061.001	TP401_0.5-0.6 SOIL - 6/2/2023 SE243061.002	TP401_1.0-1.1 SOIL - 6/2/2023 SE243061.003	TP402_0.1-0.2 SOIL - 6/2/2023 SE243061.004	TP402_0.5-0.6 SOIL - 6/2/2023 SE243061.005
Arsenic, As	mg/kg	1	4	3	3	2	2
Cadmium, Cd	mg/kg	0.3	0.5	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	5.4	2.6	10	4.4	2.7
Copper, Cu	mg/kg	0.5	23	7.1	21	21	13
Lead, Pb	mg/kg	1	210	230	42	140	130
Nickel, Ni	mg/kg	0.5	2.9	1.2	15	2.0	1.7
Zinc, Zn	mg/kg	2	170	210	30	180	240

PARAMETER	UOM	LOR	TP402_1.0-1.1 SOIL - 6/2/2023 SE243061.006	TP403_0.1-0.2 SOIL - 6/2/2023 SE243061.007	TP403_0.5-0.6 SOIL - 6/2/2023 SE243061.008	TP403_1.0-1.1 SOIL - 6/2/2023 SE243061.009	TP404_0.1-0.2 SOIL - 6/2/2023 SE243061.010
Arsenic, As	mg/kg	1	2	3	1	9	2
Cadmium, Cd	mg/kg	0.3	<0.3	0.4	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	5.6	4.0	1.1	5.9	3.0
Copper, Cu	mg/kg	0.5	9.0	22	6.6	6.5	24
Lead, Pb	mg/kg	1	44	270	31	21	150
Nickel, Ni	mg/kg	0.5	7.5	2.5	0.7	7.6	1.7
Zinc, Zn	mg/kg	2	47	300	200	730	160

PARAMETER	UOM	LOR	TP404_0.5-0.6 SOIL - 6/2/2023 SE243061.011	TP404_1.0-1.1 SOIL - 6/2/2023 SE243061.012	TP405_0.1-0.2 SOIL - 6/2/2023 SE243061.013	TP405_0.5-0.6 SOIL - 6/2/2023 SE243061.014	TP405_1.0-1.1 SOIL - 6/2/2023 SE243061.015
Arsenic, As	mg/kg	1	1	1	3	6	4
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	0.5	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	1.1	1.7	5.4	3.3	4.7
Copper, Cu	mg/kg	0.5	3.5	4.8	25	34	6.3
Lead, Pb	mg/kg	1	72	150	210	170	23
Nickel, Ni	mg/kg	0.5	<0.5	0.8	3.4	4.8	3.1
Zinc, Zn	mg/kg	2	44	88	240	100	110

PARAMETER	UOM	LOR	TP406_0.1-0.2 SOIL - 6/2/2023 SE243061.016	TP406_0.5-0.6 SOIL - 6/2/2023 SE243061.017	TP406_1.0-1.1 SOIL - 6/2/2023 SE243061.018	TP407_0.1-0.2 SOIL - 6/2/2023 SE243061.019	TP407_0.5-0.6 SOIL - 6/2/2023 SE243061.020
Arsenic, As	mg/kg	1	2	<1	3	2	5
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	0.5	<0.3
Chromium, Cr	mg/kg	0.5	8.6	<0.5	5.3	6.6	11
Copper, Cu	mg/kg	0.5	23	1.0	9.7	24	27
Lead, Pb	mg/kg	1	240	3	80	450	280
Nickel, Ni	mg/kg	0.5	2.7	<0.5	9.6	2.7	9.7
Zinc, Zn	mg/kg	2	160	170	33	390	130

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES [AN040/AN320] Tested: 15/2/2023

(continued)

PARAMETER	UOM	LOR	TP407_1.0-1.1 SOIL - 6/2/2023 SE243061.021	TP408_0.1-0.2 SOIL - 6/2/2023 SE243061.022	TP408_0.5-0.6 SOIL - 6/2/2023 SE243061.023	TP408_1.0-1.1 SOIL - 6/2/2023 SE243061.024	TP409_0.1-0.2 SOIL - 6/2/2023 SE243061.025
Arsenic, As	mg/kg	1	9	4	2	6	2
Cadmium, Cd	mg/kg	0.3	<0.3	0.4	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	3.4	12	2.0	6.3	5.2
Copper, Cu	mg/kg	0.5	3.9	49	7.6	40	15
Lead, Pb	mg/kg	1	33	210	17	38	110
Nickel, Ni	mg/kg	0.5	2.6	4.0	1.8	7.9	2.1
Zinc, Zn	mg/kg	2	34	180	47	280	210

PARAMETER	UOM	LOR	TP409_0.5-0.6 SOIL - 6/2/2023 SE243061.026	TP409_1.0-1.1 SOIL - 6/2/2023 SE243061.027	TP410_0.1-0.2 SOIL - 6/2/2023 SE243061.028	TP410_0.5-0.6 SOIL - 6/2/2023 SE243061.029	TP410_1.0-1.1 SOIL - 6/2/2023 SE243061.030
Arsenic, As	mg/kg	1	2	<1	6	1	3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	0.4	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	3.2	<0.5	12	2.1	6.8
Copper, Cu	mg/kg	0.5	7.4	<0.5	29	11	31
Lead, Pb	mg/kg	1	100	1	190	110	110
Nickel, Ni	mg/kg	0.5	1.2	<0.5	8.7	1.2	5.0
Zinc, Zn	mg/kg	2	200	<2.0	340	170	160

PARAMETER	UOM	LOR	TP411_0.1-0.2 SOIL - 7/2/2023 SE243061.031	TP411_0.5-0.6 SOIL - 7/2/2023 SE243061.032	TP411_1.0-1.1 SOIL - 7/2/2023 SE243061.033	TP412_0.1-0.2 SOIL - 7/2/2023 SE243061.034	TP412_0.5-0.6 SOIL - 7/2/2023 SE243061.035
Arsenic, As	mg/kg	1	2	2	3	2	2
Cadmium, Cd	mg/kg	0.3	0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	3.6	3.3	9.7	8.3	2.8
Copper, Cu	mg/kg	0.5	17	13	6.2	13	6.3
Lead, Pb	mg/kg	1	110	72	25	110	59
Nickel, Ni	mg/kg	0.5	1.8	1.7	6.4	2.2	1.0
Zinc, Zn	mg/kg	2	120	110	23	220	90

PARAMETER	UOM	LOR	TP412_1.0-1.1 SOIL - 7/2/2023 SE243061.036	TP413_0.1-0.2 SOIL - 7/2/2023 SE243061.037	TP413_0.5-0.6 SOIL - 7/2/2023 SE243061.038	TP413_1.0-1.1 SOIL - 7/2/2023 SE243061.039	TP414_0.1-0.2 SOIL - 7/2/2023 SE243061.040
Arsenic, As	mg/kg	1	3	2	<1	5	2
Cadmium, Cd	mg/kg	0.3	<0.3	0.5	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	8.4	4.3	0.7	6.0	2.7
Copper, Cu	mg/kg	0.5	21	22	8.0	12	10
Lead, Pb	mg/kg	1	130	120	14	8	110
Nickel, Ni	mg/kg	0.5	6.9	2.9	1.2	5.9	1.3
Zinc, Zn	mg/kg	2	190	89	130	95	150

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES [AN040/AN320] Tested: 15/2/2023

(continued)

PARAMETER	UOM	LOR	TP414_0.5-0.6 SOIL - 7/2/2023 SE243061.041	TP414_1.0-1.1 SOIL - 7/2/2023 SE243061.042	TP415_0.1-0.2 SOIL - 7/2/2023 SE243061.043	TP415_0.5-0.6 SOIL - 7/2/2023 SE243061.044	TP415_1.0-1.1 SOIL - 7/2/2023 SE243061.045
Arsenic, As	mg/kg	1	2	1	2	3	<1
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	2.8	1.7	3.5	3.0	0.5
Copper, Cu	mg/kg	0.5	7.2	12	12	22	7.5
Lead, Pb	mg/kg	1	81	39	110	77	1
Nickel, Ni	mg/kg	0.5	1.1	1.0	1.7	0.8	<0.5
Zinc, Zn	mg/kg	2	110	110	170	100	26

PARAMETER	UOM	LOR	TP416_0.1-0.2 SOIL - 7/2/2023 SE243061.046	TP416_0.5-0.6 SOIL - 7/2/2023 SE243061.047	TP416_1.0-1.1 SOIL - 7/2/2023 SE243061.048	TP417_0.1-0.2 SOIL - 7/2/2023 SE243061.049	TP417_0.5-0.6 SOIL - 7/2/2023 SE243061.050
Arsenic, As	mg/kg	1	2	2	1	2	4
Cadmium, Cd	mg/kg	0.3	0.7	0.7	<0.3	<0.3	0.4
Chromium, Cr	mg/kg	0.5	3.9	2.4	0.9	5.6	5.2
Copper, Cu	mg/kg	0.5	13	7.3	4.7	15	16
Lead, Pb	mg/kg	1	230	71	9	150	730
Nickel, Ni	mg/kg	0.5	2.0	1.1	0.6	2.2	1.8
Zinc, Zn	mg/kg	2	160	95	60	120	440

PARAMETER	UOM	LOR	TP417_1.0-1.1 SOIL - 7/2/2023 SE243061.051	TP418_0.1-0.2 SOIL - 7/2/2023 SE243061.052	TP418_0.5-0.6 SOIL - 7/2/2023 SE243061.053	TP418_1.0-1.1 SOIL - 7/2/2023 SE243061.054	TP419_0.1-0.2 SOIL - 7/2/2023 SE243061.055
Arsenic, As	mg/kg	1	<1	6	2	1	1
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	1.5	9.4	2.5	2.4	2.1
Copper, Cu	mg/kg	0.5	2.6	13	6.7	4.5	8.8
Lead, Pb	mg/kg	1	40	96	42	9	110
Nickel, Ni	mg/kg	0.5	0.6	3.5	1.4	1.7	1.4
Zinc, Zn	mg/kg	2	45	120	64	19	50

PARAMETER	UOM	LOR	TP419_0.5-0.6 SOIL - 7/2/2023 SE243061.056	TP419_1.0-1.1 SOIL - 7/2/2023 SE243061.057	BH501M_0.3-0.45 SOIL - 8/2/2023 SE243061.058	BH501M_1.0-1.1 SOIL - 8/2/2023 SE243061.059	BH502M_0.4-0.6 SOIL - 8/2/2023 SE243061.060
Arsenic, As	mg/kg	1	2	<1	4	3	4
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	0.3	<0.3	0.4
Chromium, Cr	mg/kg	0.5	2.6	<0.5	6.9	9.7	10
Copper, Cu	mg/kg	0.5	9.3	1.9	220	28	59
Lead, Pb	mg/kg	1	97	14	79	78	320
Nickel, Ni	mg/kg	0.5	1.4	<0.5	19	7.3	5.9
Zinc, Zn	mg/kg	2	190	40	75	87	230

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES [AN040/AN320] Tested: 15/2/2023

(continued)

PARAMETER	UOM	LOR	BH502M_1.0-1.1 SOIL - 8/2/2023 SE243061.061	BH503_0.4-0.5 SOIL - 8/2/2023 SE243061.062	BH503_0.9-1.0 SOIL - 8/2/2023 SE243061.063	QD1 SOIL - 8/2/2023 SE243061.064	QD3 SOIL - 8/2/2023 SE243061.065
Arsenic, As	mg/kg	1	2	6	4	2	<1
Cadmium, Cd	mg/kg	0.3	<0.3	2.4	2.5	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	6.9	14	12	2.9	1.2
Copper, Cu	mg/kg	0.5	25	340	190	8.4	3.1
Lead, Pb	mg/kg	1	74	870	470	70	17
Nickel, Ni	mg/kg	0.5	4.0	14	13	1.4	<0.5
Zinc, Zn	mg/kg	2	210	800	380	100	110

PARAMETER	UOM	LOR	QD4 SOIL - 8/2/2023 SE243061.066	QD6 SOIL - 8/2/2023 SE243061.067	BH501M_1.5-1.6 SOIL - 8/2/2023 SE243061.071	BH503M_1.5-1.6 SOIL - 8/2/2023 SE243061.072
Arsenic, As	mg/kg	1	1	4	3	3
Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	<0.3	<0.3
Chromium, Cr	mg/kg	0.5	2.6	9.8	5.4	5.8
Copper, Cu	mg/kg	0.5	11	180	52	18
Lead, Pb	mg/kg	1	110	270	73	71
Nickel, Ni	mg/kg	0.5	1.4	8.7	7.3	7.7
Zinc, Zn	mg/kg	2	160	130	93	570

Mercury in Soil [AN312] Tested: 15/2/2023

PARAMETER	UOM	LOR	TP401_0.1-0.2 SOIL - 6/2/2023 SE243061.001	TP401_0.5-0.6 SOIL - 6/2/2023 SE243061.002	TP401_1.0-1.1 SOIL - 6/2/2023 SE243061.003	TP402_0.1-0.2 SOIL - 6/2/2023 SE243061.004	TP402_0.5-0.6 SOIL - 6/2/2023 SE243061.005
Mercury	mg/kg	0.05	0.25	0.40	<0.05	0.26	0.47

PARAMETER	UOM	LOR	TP402_1.0-1.1 SOIL - 6/2/2023 SE243061.006	TP403_0.1-0.2 SOIL - 6/2/2023 SE243061.007	TP403_0.5-0.6 SOIL - 6/2/2023 SE243061.008	TP403_1.0-1.1 SOIL - 6/2/2023 SE243061.009	TP404_0.1-0.2 SOIL - 6/2/2023 SE243061.010
Mercury	mg/kg	0.05	0.19	1.7	0.10	0.15	0.22

PARAMETER	UOM	LOR	TP404_0.5-0.6 SOIL - 6/2/2023 SE243061.011	TP404_1.0-1.1 SOIL - 6/2/2023 SE243061.012	TP405_0.1-0.2 SOIL - 6/2/2023 SE243061.013	TP405_0.5-0.6 SOIL - 6/2/2023 SE243061.014	TP405_1.0-1.1 SOIL - 6/2/2023 SE243061.015
Mercury	mg/kg	0.05	<0.05	<0.05	0.48	0.28	0.06

PARAMETER	UOM	LOR	TP406_0.1-0.2 SOIL - 6/2/2023 SE243061.016	TP406_0.5-0.6 SOIL - 6/2/2023 SE243061.017	TP406_1.0-1.1 SOIL - 6/2/2023 SE243061.018	TP407_0.1-0.2 SOIL - 6/2/2023 SE243061.019	TP407_0.5-0.6 SOIL - 6/2/2023 SE243061.020
Mercury	mg/kg	0.05	0.26	<0.05	0.16	0.53	1.6

PARAMETER	UOM	LOR	TP407_1.0-1.1 SOIL - 6/2/2023 SE243061.021	TP408_0.1-0.2 SOIL - 6/2/2023 SE243061.022	TP408_0.5-0.6 SOIL - 6/2/2023 SE243061.023	TP408_1.0-1.1 SOIL - 6/2/2023 SE243061.024	TP409_0.1-0.2 SOIL - 6/2/2023 SE243061.025
Mercury	mg/kg	0.05	0.08	0.34	0.10	0.52	0.21

PARAMETER	UOM	LOR	TP409_0.5-0.6 SOIL - 6/2/2023 SE243061.026	TP409_1.0-1.1 SOIL - 6/2/2023 SE243061.027	TP410_0.1-0.2 SOIL - 6/2/2023 SE243061.028	TP410_0.5-0.6 SOIL - 6/2/2023 SE243061.029	TP410_1.0-1.1 SOIL - 6/2/2023 SE243061.030
Mercury	mg/kg	0.05	0.41	<0.05	0.20	0.13	0.22

PARAMETER	UOM	LOR	TP411_0.1-0.2 SOIL - 7/2/2023 SE243061.031	TP411_0.5-0.6 SOIL - 7/2/2023 SE243061.032	TP411_1.0-1.1 SOIL - 7/2/2023 SE243061.033	TP412_0.1-0.2 SOIL - 7/2/2023 SE243061.034	TP412_0.5-0.6 SOIL - 7/2/2023 SE243061.035
Mercury	mg/kg	0.05	0.21	0.11	0.14	0.15	0.07

Mercury in Soil [AN312] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP412_1.0-1.1 SOIL - 7/2/2023 SE243061.036	TP413_0.1-0.2 SOIL - 7/2/2023 SE243061.037	TP413_0.5-0.6 SOIL - 7/2/2023 SE243061.038	TP413_1.0-1.1 SOIL - 7/2/2023 SE243061.039	TP414_0.1-0.2 SOIL - 7/2/2023 SE243061.040
Mercury	mg/kg	0.05	0.38	0.18	0.08	0.10	0.25

PARAMETER	UOM	LOR	TP414_0.5-0.6 SOIL - 7/2/2023 SE243061.041	TP414_1.0-1.1 SOIL - 7/2/2023 SE243061.042	TP415_0.1-0.2 SOIL - 7/2/2023 SE243061.043	TP415_0.5-0.6 SOIL - 7/2/2023 SE243061.044	TP415_1.0-1.1 SOIL - 7/2/2023 SE243061.045
Mercury	mg/kg	0.05	0.09	0.35	0.16	0.90	<0.05

PARAMETER	UOM	LOR	TP416_0.1-0.2 SOIL - 7/2/2023 SE243061.046	TP416_0.5-0.6 SOIL - 7/2/2023 SE243061.047	TP416_1.0-1.1 SOIL - 7/2/2023 SE243061.048	TP417_0.1-0.2 SOIL - 7/2/2023 SE243061.049	TP417_0.5-0.6 SOIL - 7/2/2023 SE243061.050
Mercury	mg/kg	0.05	0.19	0.08	<0.05	0.20	0.31

PARAMETER	UOM	LOR	TP417_1.0-1.1 SOIL - 7/2/2023 SE243061.051	TP418_0.1-0.2 SOIL - 7/2/2023 SE243061.052	TP418_0.5-0.6 SOIL - 7/2/2023 SE243061.053	TP418_1.0-1.1 SOIL - 7/2/2023 SE243061.054	TP419_0.1-0.2 SOIL - 7/2/2023 SE243061.055
Mercury	mg/kg	0.05	0.11	0.15	0.25	0.08	0.15

PARAMETER	UOM	LOR	TP419_0.5-0.6 SOIL - 7/2/2023 SE243061.056	TP419_1.0-1.1 SOIL - 7/2/2023 SE243061.057	BH501M_0.3-0.45 SOIL - 8/2/2023 SE243061.058	BH501M_1.0-1.1 SOIL - 8/2/2023 SE243061.059	BH502M_0.4-0.6 SOIL - 8/2/2023 SE243061.060
Mercury	mg/kg	0.05	0.15	<0.05	0.16	0.09	9.6

PARAMETER	UOM	LOR	BH502M_1.0-1.1 SOIL - 8/2/2023 SE243061.061	BH503_0.4-0.5 SOIL - 8/2/2023 SE243061.062	BH503_0.9-1.0 SOIL - 8/2/2023 SE243061.063	QD1 SOIL - 8/2/2023 SE243061.064	QD3 SOIL - 8/2/2023 SE243061.065
Mercury	mg/kg	0.05	1.2	0.72	0.30	0.14	<0.05

PARAMETER	UOM	LOR	QD4 SOIL - 8/2/2023 SE243061.066	QD6 SOIL - 8/2/2023 SE243061.067	BH501M_1.5-1.6 SOIL - 8/2/2023 SE243061.071	BH503M_1.5-1.6 SOIL - 8/2/2023 SE243061.072
Mercury	mg/kg	0.05	0.12	0.70	0.19	0.26

Moisture Content [AN002] Tested: 15/2/2023

PARAMETER	UOM	LOR	TP401_0.1-0.2 SOIL - 6/2/2023 SE243061.001	TP401_0.5-0.6 SOIL - 6/2/2023 SE243061.002	TP401_1.0-1.1 SOIL - 6/2/2023 SE243061.003	TP402_0.1-0.2 SOIL - 6/2/2023 SE243061.004	TP402_0.5-0.6 SOIL - 6/2/2023 SE243061.005
% Moisture	%w/w	1	8.3	10.5	14.1	7.7	8.7

PARAMETER	UOM	LOR	TP402_1.0-1.1 SOIL - 6/2/2023 SE243061.006	TP403_0.1-0.2 SOIL - 6/2/2023 SE243061.007	TP403_0.5-0.6 SOIL - 6/2/2023 SE243061.008	TP403_1.0-1.1 SOIL - 6/2/2023 SE243061.009	TP404_0.1-0.2 SOIL - 6/2/2023 SE243061.010
% Moisture	%w/w	1	16.2	5.7	5.4	69.9	1.9

PARAMETER	UOM	LOR	TP404_0.5-0.6 SOIL - 6/2/2023 SE243061.011	TP404_1.0-1.1 SOIL - 6/2/2023 SE243061.012	TP405_0.1-0.2 SOIL - 6/2/2023 SE243061.013	TP405_0.5-0.6 SOIL - 6/2/2023 SE243061.014	TP405_1.0-1.1 SOIL - 6/2/2023 SE243061.015
% Moisture	%w/w	1	7.9	11.9	4.5	9.9	82.5

PARAMETER	UOM	LOR	TP406_0.1-0.2 SOIL - 6/2/2023 SE243061.016	TP406_0.5-0.6 SOIL - 6/2/2023 SE243061.017	TP406_1.0-1.1 SOIL - 6/2/2023 SE243061.018	TP407_0.1-0.2 SOIL - 6/2/2023 SE243061.019	TP407_0.5-0.6 SOIL - 6/2/2023 SE243061.020
% Moisture	%w/w	1	4.2	5.7	13.7	4.6	16.0

PARAMETER	UOM	LOR	TP407_1.0-1.1 SOIL - 6/2/2023 SE243061.021	TP408_0.1-0.2 SOIL - 6/2/2023 SE243061.022	TP408_0.5-0.6 SOIL - 6/2/2023 SE243061.023	TP408_1.0-1.1 SOIL - 6/2/2023 SE243061.024	TP409_0.1-0.2 SOIL - 6/2/2023 SE243061.025
% Moisture	%w/w	1	81.2	15.1	10.5	75.4	5.1

PARAMETER	UOM	LOR	TP409_0.5-0.6 SOIL - 6/2/2023 SE243061.026	TP409_1.0-1.1 SOIL - 6/2/2023 SE243061.027	TP410_0.1-0.2 SOIL - 6/2/2023 SE243061.028	TP410_0.5-0.6 SOIL - 6/2/2023 SE243061.029	TP410_1.0-1.1 SOIL - 6/2/2023 SE243061.030
% Moisture	%w/w	1	3.9	2.2	4.6	3.3	30.7

PARAMETER	UOM	LOR	TP411_0.1-0.2 SOIL - 7/2/2023 SE243061.031	TP411_0.5-0.6 SOIL - 7/2/2023 SE243061.032	TP411_1.0-1.1 SOIL - 7/2/2023 SE243061.033	TP412_0.1-0.2 SOIL - 7/2/2023 SE243061.034	TP412_0.5-0.6 SOIL - 7/2/2023 SE243061.035
% Moisture	%w/w	1	7.8	6.5	8.2	7.5	4.7

Moisture Content [AN002] Tested: 15/2/2023 (continued)

PARAMETER	UOM	LOR	TP412_1.0-1.1 SOIL - 7/2/2023 SE243061.036	TP413_0.1-0.2 SOIL - 7/2/2023 SE243061.037	TP413_0.5-0.6 SOIL - 7/2/2023 SE243061.038	TP413_1.0-1.1 SOIL - 7/2/2023 SE243061.039	TP414_0.1-0.2 SOIL - 7/2/2023 SE243061.040
% Moisture	%w/w	1	14.0	7.0	6.8	56.0	2.8

PARAMETER	UOM	LOR	TP414_0.5-0.6 SOIL - 7/2/2023 SE243061.041	TP414_1.0-1.1 SOIL - 7/2/2023 SE243061.042	TP415_0.1-0.2 SOIL - 7/2/2023 SE243061.043	TP415_0.5-0.6 SOIL - 7/2/2023 SE243061.044	TP415_1.0-1.1 SOIL - 7/2/2023 SE243061.045
% Moisture	%w/w	1	3.8	6.7	3.7	5.7	5.4

PARAMETER	UOM	LOR	TP416_0.1-0.2 SOIL - 7/2/2023 SE243061.046	TP416_0.5-0.6 SOIL - 7/2/2023 SE243061.047	TP416_1.0-1.1 SOIL - 7/2/2023 SE243061.048	TP417_0.1-0.2 SOIL - 7/2/2023 SE243061.049	TP417_0.5-0.6 SOIL - 7/2/2023 SE243061.050
% Moisture	%w/w	1	3.7	7.5	3.3	3.6	6.6

PARAMETER	UOM	LOR	TP417_1.0-1.1 SOIL - 7/2/2023 SE243061.051	TP418_0.1-0.2 SOIL - 7/2/2023 SE243061.052	TP418_0.5-0.6 SOIL - 7/2/2023 SE243061.053	TP418_1.0-1.1 SOIL - 7/2/2023 SE243061.054	TP419_0.1-0.2 SOIL - 7/2/2023 SE243061.055
% Moisture	%w/w	1	3.4	3.7	3.4	19.4	5.2

PARAMETER	UOM	LOR	TP419_0.5-0.6 SOIL - 7/2/2023 SE243061.056	TP419_1.0-1.1 SOIL - 7/2/2023 SE243061.057	BH501M_0.3-0.45 SOIL - 8/2/2023 SE243061.058	BH501M_1.0-1.1 SOIL - 8/2/2023 SE243061.059	BH502M_0.4-0.6 SOIL - 8/2/2023 SE243061.060
% Moisture	%w/w	1	4.7	10.3	8.7	9.4	12.3

PARAMETER	UOM	LOR	BH502M_1.0-1.1 SOIL - 8/2/2023 SE243061.061	BH503_0.4-0.5 SOIL - 8/2/2023 SE243061.062	BH503_0.9-1.0 SOIL - 8/2/2023 SE243061.063	QD1 SOIL - 8/2/2023 SE243061.064	QD3 SOIL - 8/2/2023 SE243061.065
% Moisture	%w/w	1	13.5	8.5	7.4	3.5	4.7

PARAMETER	UOM	LOR	QD4 SOIL - 8/2/2023 SE243061.066	QD6 SOIL - 8/2/2023 SE243061.067	TB SOIL - 8/2/2023 SE243061.069	BH501M_1.5-1.6 SOIL - 8/2/2023 SE243061.071	BH503M_1.5-1.6 SOIL - 8/2/2023 SE243061.072
% Moisture	%w/w	1	2.8	14.0	<1.0	77.5	29.9

Fibre Identification in soil [AS4964/AN602] Tested: 17/2/2023

PARAMETER	UOM	LOR	TP401_0.1-0.2 SOIL - 6/2/2023 SE243061.001	TP401_0.5-0.6 SOIL - 6/2/2023 SE243061.002	TP401_1.0-1.1 SOIL - 6/2/2023 SE243061.003	TP402_0.1-0.2 SOIL - 6/2/2023 SE243061.004	TP402_0.5-0.6 SOIL - 6/2/2023 SE243061.005
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP402_1.0-1.1 SOIL - 6/2/2023 SE243061.006	TP403_0.1-0.2 SOIL - 6/2/2023 SE243061.007	TP403_0.5-0.6 SOIL - 6/2/2023 SE243061.008	TP403_1.0-1.1 SOIL - 6/2/2023 SE243061.009	TP404_0.1-0.2 SOIL - 6/2/2023 SE243061.010
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP404_0.5-0.6 SOIL - 6/2/2023 SE243061.011	TP404_1.0-1.1 SOIL - 6/2/2023 SE243061.012	TP405_0.1-0.2 SOIL - 6/2/2023 SE243061.013	TP405_0.5-0.6 SOIL - 6/2/2023 SE243061.014	TP405_1.0-1.1 SOIL - 6/2/2023 SE243061.015
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP406_0.1-0.2 SOIL - 6/2/2023 SE243061.016	TP406_0.5-0.6 SOIL - 6/2/2023 SE243061.017	TP406_1.0-1.1 SOIL - 6/2/2023 SE243061.018	TP407_0.1-0.2 SOIL - 6/2/2023 SE243061.019	TP407_0.5-0.6 SOIL - 6/2/2023 SE243061.020
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP407_1.0-1.1 SOIL - 6/2/2023 SE243061.021	TP408_0.1-0.2 SOIL - 6/2/2023 SE243061.022	TP408_0.5-0.6 SOIL - 6/2/2023 SE243061.023	TP408_1.0-1.1 SOIL - 6/2/2023 SE243061.024	TP409_0.1-0.2 SOIL - 6/2/2023 SE243061.025
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP409_0.5-0.6 SOIL - 6/2/2023 SE243061.026	TP409_1.0-1.1 SOIL - 6/2/2023 SE243061.027	TP410_0.1-0.2 SOIL - 6/2/2023 SE243061.028	TP410_0.5-0.6 SOIL - 6/2/2023 SE243061.029	TP410_1.0-1.1 SOIL - 6/2/2023 SE243061.030
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP411_0.1-0.2 SOIL - 7/2/2023 SE243061.031	TP411_0.5-0.6 SOIL - 7/2/2023 SE243061.032	TP411_1.0-1.1 SOIL - 7/2/2023 SE243061.033	TP412_0.1-0.2 SOIL - 7/2/2023 SE243061.034	TP412_0.5-0.6 SOIL - 7/2/2023 SE243061.035
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Fibre Identification in soil [AS4964/AN602] Tested: 17/2/2023 (continued)

PARAMETER	UOM	LOR	TP412_1.0-1.1 SOIL - 7/2/2023 SE243061.036	TP413_0.1-0.2 SOIL - 7/2/2023 SE243061.037	TP413_0.5-0.6 SOIL - 7/2/2023 SE243061.038	TP413_1.0-1.1 SOIL - 7/2/2023 SE243061.039	TP414_0.1-0.2 SOIL - 7/2/2023 SE243061.040
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP414_0.5-0.6 SOIL - 7/2/2023 SE243061.041	TP414_1.0-1.1 SOIL - 7/2/2023 SE243061.042	TP415_0.1-0.2 SOIL - 7/2/2023 SE243061.043	TP415_0.5-0.6 SOIL - 7/2/2023 SE243061.044	TP415_1.0-1.1 SOIL - 7/2/2023 SE243061.045
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP416_0.1-0.2 SOIL - 7/2/2023 SE243061.046	TP416_0.5-0.6 SOIL - 7/2/2023 SE243061.047	TP416_1.0-1.1 SOIL - 7/2/2023 SE243061.048	TP417_0.1-0.2 SOIL - 7/2/2023 SE243061.049	TP417_0.5-0.6 SOIL - 7/2/2023 SE243061.050
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP417_1.0-1.1 SOIL - 7/2/2023 SE243061.051	TP418_0.1-0.2 SOIL - 7/2/2023 SE243061.052	TP418_0.5-0.6 SOIL - 7/2/2023 SE243061.053	TP418_1.0-1.1 SOIL - 7/2/2023 SE243061.054	TP419_0.1-0.2 SOIL - 7/2/2023 SE243061.055
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	TP419_0.5-0.6 SOIL - 7/2/2023 SE243061.056	TP419_1.0-1.1 SOIL - 7/2/2023 SE243061.057	BH501M_0.3-0.45 SOIL - 8/2/2023 SE243061.058	BH501M_1.0-1.1 SOIL - 8/2/2023 SE243061.059	BH502M_0.4-0.6 SOIL - 8/2/2023 SE243061.060
Asbestos Detected	No unit	-	No	No	No	No	No
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

PARAMETER	UOM	LOR	BH502M_1.0-1.1 SOIL - 8/2/2023 SE243061.061	BH503_0.4-0.5 SOIL - 8/2/2023 SE243061.062	BH503_0.9-1.0 SOIL - 8/2/2023 SE243061.063	BH501M_1.5-1.6 SOIL - 8/2/2023 SE243061.071	BH503M_1.5-1.6 SOIL - 8/2/2023 SE243061.072
Asbestos Detected	No unit	-	No	No	Yes	No	Yes
Estimated Fibres*	%w/w	0.01	<0.01	<0.01	**>0.01**	<0.01	**>0.01**

VOCs in Water [AN433] Tested: 17/2/2023

PARAMETER	UOM	LOR	QR SOIL - 8/2/2023 SE243061.068
Benzene	µg/L	0.5	<0.5
Toluene	µg/L	0.5	<0.5
Ethylbenzene	µg/L	0.5	<0.5
m/p-xylene	µg/L	1	<1
o-xylene	µg/L	0.5	<0.5
Total Xylenes	µg/L	1.5	<1.5
Total BTEX	µg/L	3	<3
Naphthalene (VOC)*	µg/L	0.5	<0.5

Volatile Petroleum Hydrocarbons in Water [AN433] Tested: 17/2/2023

PARAMETER	UOM	LOR	QR SOIL - 8/2/2023 SE243061.068
TRH C6-C9	µg/L	40	<40
Benzene (F0)	µg/L	0.5	<0.5
TRH C6-C10	µg/L	50	<50
TRH C6-C10 minus BTEX (F1)	µg/L	50	<50

TRH (Total Recoverable Hydrocarbons) in Water [AN403] Tested: 16/2/2023

PARAMETER	UOM	LOR	QR SOIL - 8/2/2023 SE243061.068
TRH C10-C14	µg/L	50	<50
TRH C15-C28	µg/L	200	<200
TRH C29-C36	µg/L	200	<200
TRH C37-C40	µg/L	200	<200
TRH >C10-C16	µg/L	60	<60
TRH >C10-C16 - Naphthalene (F2)	µg/L	60	<60
TRH >C16-C34 (F3)	µg/L	500	<500
TRH >C34-C40 (F4)	µg/L	500	<500
TRH C10-C40	µg/L	320	<320

Trace Metals (Dissolved) in Water by ICPMS [AN318] Tested: 15/2/2023

PARAMETER	UOM	LOR	QR SOIL - 8/2/2023 SE243061.068
Arsenic	µg/L	1	<1
Cadmium	µg/L	0.1	<0.1
Chromium	µg/L	1	<1
Copper	µg/L	1	<1
Lead	µg/L	1	<1
Nickel	µg/L	1	<1
Zinc	µg/L	5	<5

Mercury (dissolved) in Water [AN311(Perth)/AN312] Tested: 15/2/2023

PARAMETER	UOM	LOR	QR SOIL - 8/2/2023 SE243061.068
Mercury	mg/L	0.0001	<0.0001

METHOD	METHODOLOGY SUMMARY
AN002	The test is carried out by drying (at either 40°C or 105°C) a known mass of sample in a weighed evaporating basin. After fully dry the sample is re-weighed. Samples such as sludge and sediment having high percentages of moisture will take some time in a drying oven for complete removal of water.
AN020	Unpreserved water sample is filtered through a 0.45µm membrane filter and acidified with nitric acid similar to APHA3030B.
AN040/AN320	A portion of sample is digested with nitric acid to decompose organic matter and hydrochloric acid to complete the digestion of metals. The digest is then analysed by ICP OES with metals results reported on the dried sample basis. Based on USEPA method 200.8 and 6010C.
AN040	A portion of sample is digested with Nitric acid to decompose organic matter and Hydrochloric acid to complete the digestion of metals and then filtered for analysis by ASS or ICP as per USEPA Method 200.8.
AN311(Perth)/AN312	Mercury by Cold Vapour AAS in Waters: Mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500.
AN312	Mercury by Cold Vapour AAS in Soils: After digestion with nitric acid, hydrogen peroxide and hydrochloric acid, mercury ions are reduced by stannous chloride reagent in acidic solution to elemental mercury. This mercury vapour is purged by nitrogen into a cold cell in an atomic absorption spectrometer or mercury analyser. Quantification is made by comparing absorbances to those of the calibration standards. Reference APHA 3112/3500
AN318	Determination of elements at trace level in waters by ICP-MS technique,, referenced to USEPA 6020B and USEPA 200.8 (5.4).
AN403	Total Recoverable Hydrocarbons: Determination of Hydrocarbons by gas chromatography after a solvent extraction. Detection is by flame ionisation detector (FID) that produces an electronic signal in proportion to the combustible matter passing through it. Total Recoverable Hydrocarbons (TRH) are routinely reported as four alkane groupings based on the carbon chain length of the compounds: C6-C9, C10-C14, C15-C28 and C29-C36 and in recognition of the NEPM 1999 (2013), >C10-C16 (F2), >C16-C34 (F3) and >C34-C40 (F4). F2 is reported directly and also corrected by subtracting Naphthalene (from VOC method AN433) where available.
AN403	Additionally, the volatile C6-C9 fraction may be determined by a purge and trap technique and GC/MS because of the potential for volatiles loss. Total Recoverable Hydrocarbons - Silica (TRH-Si) follows the same method of analysis after silica gel cleanup of the solvent extract. Aliphatic/Aromatic Speciation follows the same method of analysis after fractionation of the solvent extract over silica with differential polarity of the eluent solvents .
AN403	The GC/FID method is not well suited to the analysis of refined high boiling point materials (ie lubricating oils or greases) but is particularly suited for measuring diesel, kerosene and petrol if care to control volatility is taken. This method will detect naturally occurring hydrocarbons, lipids, animal fats, phenols and PAHs if they are present at sufficient levels, dependent on the use of specific cleanup/fractionation techniques. Reference USEPA 3510B, 8015B.
AN420	(SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols (etc) in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D). Total PAH calculated from individual analyte detections at or above the limit of reporting .
AN420	SVOC Compounds: Semi-Volatile Organic Compounds (SVOCs) including OC, OP, PCB, Herbicides, PAH, Phthalates and Speciated Phenols in soils, sediments and waters are determined by GCMS/ECD technique following appropriate solvent extraction process (Based on USEPA 3500C and 8270D).
AN433	VOCs and C6-C9 Hydrocarbons by GC-MS P&T: VOC`s are volatile organic compounds. The sample is presented to a gas chromatograph via a purge and trap (P&T) concentrator and autosampler and is detected with a Mass Spectrometer (MSD). Solid samples are initially extracted with methanol whilst liquid samples are processed directly. References: USEPA 5030B, 8020A, 8260.
AN602/AS4964	Qualitative identification of chrysotile, amosite and crocidolite in bulk samples by polarised light microscopy (PLM) in conjunction with dispersion staining (DS). AS4964 provides the basis for this document. Unequivocal identification of the asbestos minerals present is made by obtaining sufficient diagnostic `clues`, which provide a reasonable degree of certainty, dispersion staining is a mandatory `clue` for positive identification. If sufficient `clues` are absent, then positive identification of asbestos is not possible. This procedure requires removal of suspect fibres/bundles from the sample which cannot be returned.
AN602/AS4964	Fibres/material that cannot be unequivocably identified as one of the three asbestos forms, will be reported as unknown mineral fibres (umf) The fibres detected may or may not be asbestos fibres.
AN602/AS4964	AS4964.2004 Method for the Qualitative Identification of Asbestos in Bulk Samples, Section 8.4, Trace Analysis Criteria, Note 4 states:"Depending upon sample condition and fibre type, the detection/reporting limit (RL) of this technique has been found to lie generally in the range of 1 in 1,000 to 1 in 10,000 parts by weight, equivalent to 1 to 0.1 g/kg."

AN602/AS4964	The sample can be reported “no asbestos found at the reporting limit (RL) of 0.1 g/kg” (<0.01%w/w) where AN602 section 4.5 of this method has been followed, and if- (a) no trace asbestos fibres have been detected (i.e. no ‘respirable’ fibres): (b) the estimated weight of non-respirable asbestos fibre bundles and/or the estimated weight of asbestos in asbestos-containing materials are found to be less than 0.1g/kg: and (c) these non-respirable asbestos fibre bundles and/or the asbestos containing materials are only visible under stereo-microscope viewing conditions.

FOOTNOTES

*	NATA accreditation does not cover the performance of this service.	-	Not analysed.	UOM	Unit of Measure.
		NVL	Not validated.	LOR	Limit of Reporting.
**	Indicative data, theoretical holding time exceeded.	IS	Insufficient sample for analysis.	↑↓	Raised/lowered Limit of Reporting.
		LNR	Sample listed, but not received.		
***	Indicates that both * and ** apply.				

Unless it is reported that sampling has been performed by SGS, the samples have been analysed as received.
Solid samples expressed on a dry weight basis.

Where "Total" analyte groups are reported (for example, Total PAHs, Total OC Pesticides) the total will be calculated as the sum of the individual analytes, with those analytes that are reported as <LOR being assumed to be zero. The summed (Total) limit of reporting is calculated by summing the individual analyte LORs and dividing by two. For example, where 16 individual analytes are being summed and each has an LOR of 0.1 mg/kg, the "Totals" LOR will be 1.6 / 2 (0.8 mg/kg). Where only 2 analytes are being summed, the " Total" LOR will be the sum of those two LORs.

Some totals may not appear to add up because the total is rounded after adding up the raw values.

If reported, measurement uncertainty follow the ± sign after the analytical result and is expressed as the expanded uncertainty calculated using a coverage factor of 2, providing a level of confidence of approximately 95%, unless stated otherwise in the comments section of this report.

Results reported for samples tested under test methods with codes starting with ARS-SOP, radionuclide or gross radioactivity concentrations are expressed in becquerel (Bq) per unit of mass or volume or per wipe as stated on the report. Becquerel is the SI unit for activity and equals one nuclear transformation per second.
Note that in terms of units of radioactivity:

a. 1 Bq is equivalent to 27 pCi
b. 37 MBq is equivalent to 1 mCi

For results reported for samples tested under test methods with codes starting with ARS-SOP, less than (<) values indicate the detection limit for each radionuclide or parameter for the measurement system used. The respective detection limits have been calculated in accordance with ISO 11929.

The QC and MU criteria are subject to internal review according to the SGS QAQC plan and may be provided on request or alternatively can be found here: www.sgs.com.au/en-gb/environment-health-and-safety.

STATEMENT OF QA/QC PERFORMANCE

SE243061 R0

CLIENT DETAILS

Contact	Geisiane Torres
Client	EI AUSTRALIA
Address	SUITE 6.01 55 MILLER STREET PYRMONT NSW 2009
Telephone	61 2 95160722
Facsimile	(Not specified)
Email	Geisiane.Torres @eiaustralia.com.au
Project	**E25947 600-660 Elizabeth St Redfern**
Order Number	**E25947**
Samples	72

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
Address	Unit 16, 33 Maddox St Alexandria NSW 2015
Telephone	+61 2 8594 0400
Facsimile	+61 2 8594 0499
Email	au.environmental.sydney@sgs.com
SGS Reference	**SE243061 R0**
Date Received	09 Feb 2023
Date Reported	21 Feb 2023

COMMENTS

All the laboratory data for each environmental matrix was compared to SGS' stated Data Quality Objectives (DQO). Comments arising from the comparison were made and are reported below.

The data relating to sampling was taken from the Chain of Custody document.
This QA/QC Statement must be read in conjunction with the referenced Analytical Report.
The Statement and the Analytical Report must not be reproduced except in full.

All Data Quality Objectives were met with the exception of the following:

Extraction Date	TRH (Total Recoverable Hydrocarbons) in Water	1 item
Duplicate	Mercury in Soil	1 item
	PAH (Polynuclear Aromatic Hydrocarbons) in Soil	4 items
	PAH (Polynuclear Aromatic Hydrocarbons) in Soil	29 items
	PAH (Polynuclear Aromatic Hydrocarbons) in Soil	12 items
	PAH (Polynuclear Aromatic Hydrocarbons) in Soil	30 items
	Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES	1 item
	TRH (Total Recoverable Hydrocarbons) in Soil	2 items
	TRH (Total Recoverable Hydrocarbons) in Soil	1 item
Matrix Spike	Mercury in Soil	1 item
	Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES	1 item
	Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES	1 item
	Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES	1 item
	TRH (Total Recoverable Hydrocarbons) in Soil	3 items

There are more than 15 quality objective exceedences. Please see report for details

SAMPLE SUMMARY

Sample counts by matrix	71 Soil, 1 Water	Type of documentation received	COC
Date documentation received	13/2/2023@5:24pm	Samples received in good order	Yes
Samples received without headspace	Yes	Sample temperature upon receipt	10.3°C
Sample container provider	SGS	Turnaround time requested	Standard
Samples received in correct containers	Yes	Sufficient sample for analysis	Yes
Sample cooling method	Ice Bricks	Samples clearly labelled	Yes
Complete documentation received	Yes		

HOLDING TIME SUMMARY

SE243061 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Fibre Identification in soil — **Method: ME-(AU)-[ENV]AS4964/AN602**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_0.1-0.2	SE243061.001	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP401_0.5-0.6	SE243061.002	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP401_1.0-1.1	SE243061.003	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP402_0.1-0.2	SE243061.004	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP402_0.5-0.6	SE243061.005	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP402_1.0-1.1	SE243061.006	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP403_0.1-0.2	SE243061.007	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP403_0.5-0.6	SE243061.008	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP403_1.0-1.1	SE243061.009	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP404_0.1-0.2	SE243061.010	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP404_0.5-0.6	SE243061.011	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP404_1.0-1.1	SE243061.012	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP405_0.1-0.2	SE243061.013	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP405_0.5-0.6	SE243061.014	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP405_1.0-1.1	SE243061.015	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP406_0.1-0.2	SE243061.016	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP406_0.5-0.6	SE243061.017	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP406_1.0-1.1	SE243061.018	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP407_0.1-0.2	SE243061.019	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP407_0.5-0.6	SE243061.020	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP407_1.0-1.1	SE243061.021	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP408_0.1-0.2	SE243061.022	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP408_0.5-0.6	SE243061.023	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP408_1.0-1.1	SE243061.024	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP409_0.1-0.2	SE243061.025	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP409_0.5-0.6	SE243061.026	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP409_1.0-1.1	SE243061.027	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP410_0.1-0.2	SE243061.028	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP410_0.5-0.6	SE243061.029	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP410_1.0-1.1	SE243061.030	LB271718	06 Feb 2023	09 Feb 2023	06 Feb 2024	17 Feb 2023	06 Feb 2024	21 Feb 2023
TP411_0.1-0.2	SE243061.031	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP411_0.5-0.6	SE243061.032	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP411_1.0-1.1	SE243061.033	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP412_0.1-0.2	SE243061.034	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP412_0.5-0.6	SE243061.035	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP412_1.0-1.1	SE243061.036	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP413_0.1-0.2	SE243061.037	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP413_0.5-0.6	SE243061.038	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP413_1.0-1.1	SE243061.039	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP414_0.1-0.2	SE243061.040	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP414_0.5-0.6	SE243061.041	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP414_1.0-1.1	SE243061.042	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP415_0.1-0.2	SE243061.043	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP415_0.5-0.6	SE243061.044	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP415_1.0-1.1	SE243061.045	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP416_0.1-0.2	SE243061.046	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP416_0.5-0.6	SE243061.047	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP416_1.0-1.1	SE243061.048	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP417_0.1-0.2	SE243061.049	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP417_0.5-0.6	SE243061.050	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP417_1.0-1.1	SE243061.051	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP418_0.1-0.2	SE243061.052	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP418_0.5-0.6	SE243061.053	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP418_1.0-1.1	SE243061.054	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP419_0.1-0.2	SE243061.055	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP419_0.5-0.6	SE243061.056	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
TP419_1.0-1.1	SE243061.057	LB271718	07 Feb 2023	09 Feb 2023	07 Feb 2024	17 Feb 2023	07 Feb 2024	21 Feb 2023
BH501M_0.3-0.45	SE243061.058	LB271718	08 Feb 2023	09 Feb 2023	08 Feb 2024	17 Feb 2023	08 Feb 2024	21 Feb 2023
BH501M_1.0-1.1	SE243061.059	LB271718	08 Feb 2023	09 Feb 2023	08 Feb 2024	17 Feb 2023	08 Feb 2024	21 Feb 2023
BH502M_0.4-0.6	SE243061.060	LB271718	08 Feb 2023	09 Feb 2023	08 Feb 2024	17 Feb 2023	08 Feb 2024	21 Feb 2023

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Fibre Identification in soil (continued)

Method: ME-(AU)-[ENV]AS4964/AN602

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH502M_1.0-1.1	SE243061.061	LB271718	08 Feb 2023	09 Feb 2023	08 Feb 2024	17 Feb 2023	08 Feb 2024	21 Feb 2023
BH503_0.4-0.5	SE243061.062	LB271718	08 Feb 2023	09 Feb 2023	08 Feb 2024	17 Feb 2023	08 Feb 2024	21 Feb 2023
BH503_0.9-1.0	SE243061.063	LB271718	08 Feb 2023	09 Feb 2023	08 Feb 2024	17 Feb 2023	08 Feb 2024	21 Feb 2023
BH501M_1.5-1.6	SE243061.071	LB271718	08 Feb 2023	09 Feb 2023	08 Feb 2024	17 Feb 2023	08 Feb 2024	21 Feb 2023
BH503M_1.5-1.6	SE243061.072	LB271718	08 Feb 2023	09 Feb 2023	08 Feb 2024	17 Feb 2023	08 Feb 2024	21 Feb 2023

Mercury (dissolved) in Water

Method: ME-(AU)-[ENV]AN311(Perth)/AN312

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QR	SE243061.068	LB271447	08 Feb 2023	09 Feb 2023	08 Mar 2023	15 Feb 2023	08 Mar 2023	15 Feb 2023

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_0.1-0.2	SE243061.001	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP401_0.5-0.6	SE243061.002	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP401_1.0-1.1	SE243061.003	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP402_0.1-0.2	SE243061.004	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP402_0.5-0.6	SE243061.005	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP402_1.0-1.1	SE243061.006	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP403_0.1-0.2	SE243061.007	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP403_0.5-0.6	SE243061.008	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP403_1.0-1.1	SE243061.009	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP404_0.1-0.2	SE243061.010	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP404_0.5-0.6	SE243061.011	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP404_1.0-1.1	SE243061.012	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP405_0.1-0.2	SE243061.013	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP405_0.5-0.6	SE243061.014	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP405_1.0-1.1	SE243061.015	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP406_0.1-0.2	SE243061.016	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP406_0.5-0.6	SE243061.017	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP406_1.0-1.1	SE243061.018	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP407_0.1-0.2	SE243061.019	LB271525	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP407_0.5-0.6	SE243061.020	LB271526	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP407_1.0-1.1	SE243061.021	LB271526	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP408_0.1-0.2	SE243061.022	LB271526	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP408_0.5-0.6	SE243061.023	LB271526	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP408_1.0-1.1	SE243061.024	LB271526	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP409_0.1-0.2	SE243061.025	LB271526	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP409_0.5-0.6	SE243061.026	LB271526	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP409_1.0-1.1	SE243061.027	LB271526	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP410_0.1-0.2	SE243061.028	LB271526	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP410_0.5-0.6	SE243061.029	LB271526	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP410_1.0-1.1	SE243061.030	LB271526	06 Feb 2023	09 Feb 2023	06 Mar 2023	15 Feb 2023	06 Mar 2023	21 Feb 2023
TP411_0.1-0.2	SE243061.031	LB271526	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	21 Feb 2023
TP411_0.5-0.6	SE243061.032	LB271526	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	21 Feb 2023
TP411_1.0-1.1	SE243061.033	LB271526	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	21 Feb 2023
TP412_0.1-0.2	SE243061.034	LB271526	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	21 Feb 2023
TP412_0.5-0.6	SE243061.035	LB271526	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	21 Feb 2023
TP412_1.0-1.1	SE243061.036	LB271526	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	21 Feb 2023
TP413_0.1-0.2	SE243061.037	LB271526	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	21 Feb 2023
TP413_0.5-0.6	SE243061.038	LB271526	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	21 Feb 2023
TP413_1.0-1.1	SE243061.039	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP414_0.1-0.2	SE243061.040	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP414_0.5-0.6	SE243061.041	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP414_1.0-1.1	SE243061.042	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP415_0.1-0.2	SE243061.043	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP415_0.5-0.6	SE243061.044	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP415_1.0-1.1	SE243061.045	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP416_0.1-0.2	SE243061.046	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP416_0.5-0.6	SE243061.047	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP416_1.0-1.1	SE243061.048	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Mercury in Soil (continued) — **Method: ME-(AU)-[ENV]AN312**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP417_0.1-0.2	SE243061.049	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP417_0.5-0.6	SE243061.050	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP417_1.0-1.1	SE243061.051	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP418_0.1-0.2	SE243061.052	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP418_0.5-0.6	SE243061.053	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP418_1.0-1.1	SE243061.054	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP419_0.1-0.2	SE243061.055	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP419_0.5-0.6	SE243061.056	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
TP419_1.0-1.1	SE243061.057	LB271528	07 Feb 2023	09 Feb 2023	07 Mar 2023	15 Feb 2023	07 Mar 2023	20 Feb 2023
BH501M_0.3-0.45	SE243061.058	LB271528	08 Feb 2023	09 Feb 2023	08 Mar 2023	15 Feb 2023	08 Mar 2023	20 Feb 2023
BH501M_1.0-1.1	SE243061.059	LB271551	08 Feb 2023	09 Feb 2023	08 Mar 2023	15 Feb 2023	08 Mar 2023	20 Feb 2023
BH502M_0.4-0.6	SE243061.060	LB271551	08 Feb 2023	09 Feb 2023	08 Mar 2023	15 Feb 2023	08 Mar 2023	20 Feb 2023
BH502M_1.0-1.1	SE243061.061	LB271551	08 Feb 2023	09 Feb 2023	08 Mar 2023	15 Feb 2023	08 Mar 2023	20 Feb 2023
BH503_0.4-0.5	SE243061.062	LB271551	08 Feb 2023	09 Feb 2023	08 Mar 2023	15 Feb 2023	08 Mar 2023	20 Feb 2023
BH503_0.9-1.0	SE243061.063	LB271551	08 Feb 2023	09 Feb 2023	08 Mar 2023	15 Feb 2023	08 Mar 2023	20 Feb 2023
QD1	SE243061.064	LB271551	08 Feb 2023	09 Feb 2023	08 Mar 2023	15 Feb 2023	08 Mar 2023	20 Feb 2023
QD3	SE243061.065	LB271551	08 Feb 2023	09 Feb 2023	08 Mar 2023	15 Feb 2023	08 Mar 2023	20 Feb 2023
QD4	SE243061.066	LB271551	08 Feb 2023	09 Feb 2023	08 Mar 2023	15 Feb 2023	08 Mar 2023	20 Feb 2023
QD6	SE243061.067	LB271551	08 Feb 2023	09 Feb 2023	08 Mar 2023	15 Feb 2023	08 Mar 2023	20 Feb 2023
BH501M_1.5-1.6	SE243061.071	LB271551	08 Feb 2023	09 Feb 2023	08 Mar 2023	15 Feb 2023	08 Mar 2023	20 Feb 2023
BH503M_1.5-1.6	SE243061.072	LB271551	08 Feb 2023	09 Feb 2023	08 Mar 2023	15 Feb 2023	08 Mar 2023	20 Feb 2023

Moisture Content — **Method: ME-(AU)-[ENV]AN002**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_0.1-0.2	SE243061.001	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP401_0.5-0.6	SE243061.002	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP401_1.0-1.1	SE243061.003	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP402_0.1-0.2	SE243061.004	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP402_0.5-0.6	SE243061.005	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP402_1.0-1.1	SE243061.006	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP403_0.1-0.2	SE243061.007	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP403_0.5-0.6	SE243061.008	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP403_1.0-1.1	SE243061.009	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP404_0.1-0.2	SE243061.010	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP404_0.5-0.6	SE243061.011	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP404_1.0-1.1	SE243061.012	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP405_0.1-0.2	SE243061.013	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP405_0.5-0.6	SE243061.014	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP405_1.0-1.1	SE243061.015	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP406_0.1-0.2	SE243061.016	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP406_0.5-0.6	SE243061.017	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP406_1.0-1.1	SE243061.018	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP407_0.1-0.2	SE243061.019	LB271515	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP407_0.5-0.6	SE243061.020	LB271516	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP407_1.0-1.1	SE243061.021	LB271516	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP408_0.1-0.2	SE243061.022	LB271516	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP408_0.5-0.6	SE243061.023	LB271516	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP408_1.0-1.1	SE243061.024	LB271516	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP409_0.1-0.2	SE243061.025	LB271516	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP409_0.5-0.6	SE243061.026	LB271516	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP409_1.0-1.1	SE243061.027	LB271516	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP410_0.1-0.2	SE243061.028	LB271516	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP410_0.5-0.6	SE243061.029	LB271516	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP410_1.0-1.1	SE243061.030	LB271516	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP411_0.1-0.2	SE243061.031	LB271516	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP411_0.5-0.6	SE243061.032	LB271516	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP411_1.0-1.1	SE243061.033	LB271516	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP412_0.1-0.2	SE243061.034	LB271516	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP412_0.5-0.6	SE243061.035	LB271516	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP412_1.0-1.1	SE243061.036	LB271516	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023

HOLDING TIME SUMMARY

SE243061 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Moisture Content (continued)

Method: ME-(AU)-[ENV]AN002

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP413_0.1-0.2	SE243061.037	LB271516	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP413_0.5-0.6	SE243061.038	LB271516	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP413_1.0-1.1	SE243061.039	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP414_0.1-0.2	SE243061.040	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP414_0.5-0.6	SE243061.041	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP414_1.0-1.1	SE243061.042	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP415_0.1-0.2	SE243061.043	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP415_0.5-0.6	SE243061.044	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP415_1.0-1.1	SE243061.045	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP416_0.1-0.2	SE243061.046	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP416_0.5-0.6	SE243061.047	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP416_1.0-1.1	SE243061.048	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP417_0.1-0.2	SE243061.049	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP417_0.5-0.6	SE243061.050	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP417_1.0-1.1	SE243061.051	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP418_0.1-0.2	SE243061.052	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP418_0.5-0.6	SE243061.053	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP418_1.0-1.1	SE243061.054	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP419_0.1-0.2	SE243061.055	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP419_0.5-0.6	SE243061.056	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP419_1.0-1.1	SE243061.057	LB271517	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
BH501M_0.3-0.45	SE243061.058	LB271517	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
BH501M_1.0-1.1	SE243061.059	LB271538	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	20 Feb 2023	17 Feb 2023
BH502M_0.4-0.6	SE243061.060	LB271538	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	20 Feb 2023	17 Feb 2023
BH502M_1.0-1.1	SE243061.061	LB271538	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	20 Feb 2023	17 Feb 2023
BH503_0.4-0.5	SE243061.062	LB271538	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	20 Feb 2023	17 Feb 2023
BH503_0.9-1.0	SE243061.063	LB271538	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	20 Feb 2023	17 Feb 2023
QD1	SE243061.064	LB271538	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	20 Feb 2023	17 Feb 2023
QD3	SE243061.065	LB271538	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	20 Feb 2023	17 Feb 2023
QD4	SE243061.066	LB271538	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	20 Feb 2023	17 Feb 2023
QD6	SE243061.067	LB271538	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	20 Feb 2023	17 Feb 2023
TB	SE243061.069	LB271538	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	20 Feb 2023	17 Feb 2023
BH501M_1.5-1.6	SE243061.071	LB271538	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	20 Feb 2023	17 Feb 2023
BH503M_1.5-1.6	SE243061.072	LB271538	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	20 Feb 2023	17 Feb 2023

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_0.1-0.2	SE243061.001	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP401_0.5-0.6	SE243061.002	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP401_1.0-1.1	SE243061.003	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_0.1-0.2	SE243061.004	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_0.5-0.6	SE243061.005	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_1.0-1.1	SE243061.006	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_0.1-0.2	SE243061.007	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_0.5-0.6	SE243061.008	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_1.0-1.1	SE243061.009	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_0.1-0.2	SE243061.010	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_0.5-0.6	SE243061.011	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_1.0-1.1	SE243061.012	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_0.1-0.2	SE243061.013	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_0.5-0.6	SE243061.014	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_1.0-1.1	SE243061.015	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_0.1-0.2	SE243061.016	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_0.5-0.6	SE243061.017	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_1.0-1.1	SE243061.018	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP407_0.1-0.2	SE243061.019	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP407_0.5-0.6	SE243061.020	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP407_1.0-1.1	SE243061.021	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP408_0.1-0.2	SE243061.022	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP408_0.5-0.6	SE243061.023	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023

HOLDING TIME SUMMARY

SE243061 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

OC Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP408_1.0-1.1	SE243061.024	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP409_0.1-0.2	SE243061.025	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP409_0.5-0.6	SE243061.026	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP409_1.0-1.1	SE243061.027	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP410_0.1-0.2	SE243061.028	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP410_0.5-0.6	SE243061.029	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP410_1.0-1.1	SE243061.030	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP411_0.1-0.2	SE243061.031	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP411_0.5-0.6	SE243061.032	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP411_1.0-1.1	SE243061.033	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP412_0.1-0.2	SE243061.034	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP412_0.5-0.6	SE243061.035	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP412_1.0-1.1	SE243061.036	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP413_0.1-0.2	SE243061.037	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP413_0.5-0.6	SE243061.038	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP413_1.0-1.1	SE243061.039	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP414_0.1-0.2	SE243061.040	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP414_0.5-0.6	SE243061.041	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP414_1.0-1.1	SE243061.042	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP415_0.1-0.2	SE243061.043	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP415_0.5-0.6	SE243061.044	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP415_1.0-1.1	SE243061.045	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP416_0.1-0.2	SE243061.046	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP416_0.5-0.6	SE243061.047	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP416_1.0-1.1	SE243061.048	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP417_0.1-0.2	SE243061.049	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP417_0.5-0.6	SE243061.050	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP417_1.0-1.1	SE243061.051	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP418_0.1-0.2	SE243061.052	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP418_0.5-0.6	SE243061.053	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP418_1.0-1.1	SE243061.054	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP419_0.1-0.2	SE243061.055	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP419_0.5-0.6	SE243061.056	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP419_1.0-1.1	SE243061.057	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
BH501M_0.3-0.45	SE243061.058	LB271491	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
BH501M_1.0-1.1	SE243061.059	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH502M_0.4-0.6	SE243061.060	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH502M_1.0-1.1	SE243061.061	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH503_0.4-0.5	SE243061.062	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH503_0.9-1.0	SE243061.063	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
QD1	SE243061.064	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
QD3	SE243061.065	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
QD4	SE243061.066	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
QD6	SE243061.067	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
BH501M_1.5-1.6	SE243061.071	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH503M_1.5-1.6	SE243061.072	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_0.1-0.2	SE243061.001	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP401_0.5-0.6	SE243061.002	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP401_1.0-1.1	SE243061.003	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_0.1-0.2	SE243061.004	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_0.5-0.6	SE243061.005	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_1.0-1.1	SE243061.006	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_0.1-0.2	SE243061.007	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_0.5-0.6	SE243061.008	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_1.0-1.1	SE243061.009	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_0.1-0.2	SE243061.010	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_0.5-0.6	SE243061.011	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023

HOLDING TIME SUMMARY

SE243061 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

OP Pesticides in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP404_1.0-1.1	SE243061.012	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_0.1-0.2	SE243061.013	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_0.5-0.6	SE243061.014	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_1.0-1.1	SE243061.015	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_0.1-0.2	SE243061.016	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_0.5-0.6	SE243061.017	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_1.0-1.1	SE243061.018	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP407_0.1-0.2	SE243061.019	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP407_0.5-0.6	SE243061.020	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP407_1.0-1.1	SE243061.021	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP408_0.1-0.2	SE243061.022	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP408_0.5-0.6	SE243061.023	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP408_1.0-1.1	SE243061.024	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP409_0.1-0.2	SE243061.025	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP409_0.5-0.6	SE243061.026	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP409_1.0-1.1	SE243061.027	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP410_0.1-0.2	SE243061.028	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP410_0.5-0.6	SE243061.029	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP410_1.0-1.1	SE243061.030	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP411_0.1-0.2	SE243061.031	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP411_0.5-0.6	SE243061.032	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP411_1.0-1.1	SE243061.033	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP412_0.1-0.2	SE243061.034	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP412_0.5-0.6	SE243061.035	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP412_1.0-1.1	SE243061.036	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP413_0.1-0.2	SE243061.037	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP413_0.5-0.6	SE243061.038	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP413_1.0-1.1	SE243061.039	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP414_0.1-0.2	SE243061.040	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP414_0.5-0.6	SE243061.041	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP414_1.0-1.1	SE243061.042	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP415_0.1-0.2	SE243061.043	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP415_0.5-0.6	SE243061.044	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP415_1.0-1.1	SE243061.045	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP416_0.1-0.2	SE243061.046	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP416_0.5-0.6	SE243061.047	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP416_1.0-1.1	SE243061.048	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP417_0.1-0.2	SE243061.049	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP417_0.5-0.6	SE243061.050	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP417_1.0-1.1	SE243061.051	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP418_0.1-0.2	SE243061.052	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP418_0.5-0.6	SE243061.053	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP418_1.0-1.1	SE243061.054	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP419_0.1-0.2	SE243061.055	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP419_0.5-0.6	SE243061.056	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP419_1.0-1.1	SE243061.057	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
BH501M_0.3-0.45	SE243061.058	LB271491	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
BH501M_1.0-1.1	SE243061.059	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH502M_0.4-0.6	SE243061.060	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH502M_1.0-1.1	SE243061.061	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH503_0.4-0.5	SE243061.062	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH503_0.9-1.0	SE243061.063	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
QD1	SE243061.064	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
QD3	SE243061.065	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
QD4	SE243061.066	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
QD6	SE243061.067	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
BH501M_1.5-1.6	SE243061.071	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH503M_1.5-1.6	SE243061.072	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023

HOLDING TIME SUMMARY

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PAH (Polynuclear Aromatic Hydrocarbons) in Soil — **Method: ME-(AU)-[ENV]AN420**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_0.1-0.2	SE243061.001	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP401_0.5-0.6	SE243061.002	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP401_1.0-1.1	SE243061.003	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_0.1-0.2	SE243061.004	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_0.5-0.6	SE243061.005	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_1.0-1.1	SE243061.006	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_0.1-0.2	SE243061.007	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_0.5-0.6	SE243061.008	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_1.0-1.1	SE243061.009	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_0.1-0.2	SE243061.010	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_0.5-0.6	SE243061.011	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_1.0-1.1	SE243061.012	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_0.1-0.2	SE243061.013	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_0.5-0.6	SE243061.014	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_1.0-1.1	SE243061.015	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_0.1-0.2	SE243061.016	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_0.5-0.6	SE243061.017	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_1.0-1.1	SE243061.018	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP407_0.1-0.2	SE243061.019	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP407_0.5-0.6	SE243061.020	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP407_1.0-1.1	SE243061.021	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP408_0.1-0.2	SE243061.022	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP408_0.5-0.6	SE243061.023	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP408_1.0-1.1	SE243061.024	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP409_0.1-0.2	SE243061.025	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP409_0.5-0.6	SE243061.026	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP409_1.0-1.1	SE243061.027	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP410_0.1-0.2	SE243061.028	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP410_0.5-0.6	SE243061.029	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP410_1.0-1.1	SE243061.030	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP411_0.1-0.2	SE243061.031	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP411_0.5-0.6	SE243061.032	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP411_1.0-1.1	SE243061.033	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP412_0.1-0.2	SE243061.034	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP412_0.5-0.6	SE243061.035	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP412_1.0-1.1	SE243061.036	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP413_0.1-0.2	SE243061.037	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP413_0.5-0.6	SE243061.038	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP413_1.0-1.1	SE243061.039	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP414_0.1-0.2	SE243061.040	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP414_0.5-0.6	SE243061.041	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP414_1.0-1.1	SE243061.042	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP415_0.1-0.2	SE243061.043	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP415_0.5-0.6	SE243061.044	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP415_1.0-1.1	SE243061.045	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP416_0.1-0.2	SE243061.046	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP416_0.5-0.6	SE243061.047	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP416_1.0-1.1	SE243061.048	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP417_0.1-0.2	SE243061.049	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP417_0.5-0.6	SE243061.050	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP417_1.0-1.1	SE243061.051	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP418_0.1-0.2	SE243061.052	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP418_0.5-0.6	SE243061.053	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP418_1.0-1.1	SE243061.054	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP419_0.1-0.2	SE243061.055	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP419_0.5-0.6	SE243061.056	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP419_1.0-1.1	SE243061.057	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
BH501M_0.3-0.45	SE243061.058	LB271491	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
BH501M_1.0-1.1	SE243061.059	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH502M_0.4-0.6	SE243061.060	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
BH502M_1.0-1.1	SE243061.061	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH503_0.4-0.5	SE243061.062	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH503_0.9-1.0	SE243061.063	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
QD1	SE243061.064	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
QD3	SE243061.065	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
QD4	SE243061.066	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
QD6	SE243061.067	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
BH501M_1.5-1.6	SE243061.071	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH503M_1.5-1.6	SE243061.072	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_0.1-0.2	SE243061.001	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP401_0.5-0.6	SE243061.002	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP401_1.0-1.1	SE243061.003	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_0.1-0.2	SE243061.004	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_0.5-0.6	SE243061.005	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_1.0-1.1	SE243061.006	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_0.1-0.2	SE243061.007	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_0.5-0.6	SE243061.008	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_1.0-1.1	SE243061.009	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_0.1-0.2	SE243061.010	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_0.5-0.6	SE243061.011	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_1.0-1.1	SE243061.012	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_0.1-0.2	SE243061.013	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_0.5-0.6	SE243061.014	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_1.0-1.1	SE243061.015	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_0.1-0.2	SE243061.016	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_0.5-0.6	SE243061.017	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_1.0-1.1	SE243061.018	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP407_0.1-0.2	SE243061.019	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP407_0.5-0.6	SE243061.020	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP407_1.0-1.1	SE243061.021	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP408_0.1-0.2	SE243061.022	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP408_0.5-0.6	SE243061.023	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP408_1.0-1.1	SE243061.024	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP409_0.1-0.2	SE243061.025	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP409_0.5-0.6	SE243061.026	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP409_1.0-1.1	SE243061.027	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP410_0.1-0.2	SE243061.028	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP410_0.5-0.6	SE243061.029	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP410_1.0-1.1	SE243061.030	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP411_0.1-0.2	SE243061.031	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP411_0.5-0.6	SE243061.032	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP411_1.0-1.1	SE243061.033	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP412_0.1-0.2	SE243061.034	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP412_0.5-0.6	SE243061.035	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP412_1.0-1.1	SE243061.036	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP413_0.1-0.2	SE243061.037	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP413_0.5-0.6	SE243061.038	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP413_1.0-1.1	SE243061.039	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP414_0.1-0.2	SE243061.040	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP414_0.5-0.6	SE243061.041	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP414_1.0-1.1	SE243061.042	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP415_0.1-0.2	SE243061.043	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP415_0.5-0.6	SE243061.044	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP415_1.0-1.1	SE243061.045	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP416_0.1-0.2	SE243061.046	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP416_0.5-0.6	SE243061.047	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP416_1.0-1.1	SE243061.048	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023

HOLDING TIME SUMMARY

SE243061 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

PCBs in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP417_0.1-0.2	SE243061.049	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP417_0.5-0.6	SE243061.050	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP417_1.0-1.1	SE243061.051	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP418_0.1-0.2	SE243061.052	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP418_0.5-0.6	SE243061.053	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP418_1.0-1.1	SE243061.054	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP419_0.1-0.2	SE243061.055	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP419_0.5-0.6	SE243061.056	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
TP419_1.0-1.1	SE243061.057	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
BH501M_0.3-0.45	SE243061.058	LB271491	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
BH501M_1.0-1.1	SE243061.059	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH502M_0.4-0.6	SE243061.060	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH502M_1.0-1.1	SE243061.061	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH503_0.4-0.5	SE243061.062	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH503_0.9-1.0	SE243061.063	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
QD1	SE243061.064	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
QD3	SE243061.065	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
QD4	SE243061.066	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
QD6	SE243061.067	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	21 Feb 2023
BH501M_1.5-1.6	SE243061.071	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023
BH503M_1.5-1.6	SE243061.072	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	17 Feb 2023

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_0.1-0.2	SE243061.001	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP401_0.5-0.6	SE243061.002	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP401_1.0-1.1	SE243061.003	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP402_0.1-0.2	SE243061.004	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP402_0.5-0.6	SE243061.005	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP402_1.0-1.1	SE243061.006	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP403_0.1-0.2	SE243061.007	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP403_0.5-0.6	SE243061.008	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP403_1.0-1.1	SE243061.009	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP404_0.1-0.2	SE243061.010	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP404_0.5-0.6	SE243061.011	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP404_1.0-1.1	SE243061.012	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP405_0.1-0.2	SE243061.013	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP405_0.5-0.6	SE243061.014	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP405_1.0-1.1	SE243061.015	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP406_0.1-0.2	SE243061.016	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP406_0.5-0.6	SE243061.017	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP406_1.0-1.1	SE243061.018	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP407_0.1-0.2	SE243061.019	LB271520	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP407_0.5-0.6	SE243061.020	LB271521	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP407_1.0-1.1	SE243061.021	LB271521	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP408_0.1-0.2	SE243061.022	LB271521	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP408_0.5-0.6	SE243061.023	LB271521	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP408_1.0-1.1	SE243061.024	LB271521	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP409_0.1-0.2	SE243061.025	LB271521	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP409_0.5-0.6	SE243061.026	LB271521	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP409_1.0-1.1	SE243061.027	LB271521	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP410_0.1-0.2	SE243061.028	LB271521	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP410_0.5-0.6	SE243061.029	LB271521	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP410_1.0-1.1	SE243061.030	LB271521	06 Feb 2023	09 Feb 2023	05 Aug 2023	15 Feb 2023	05 Aug 2023	20 Feb 2023
TP411_0.1-0.2	SE243061.031	LB271521	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP411_0.5-0.6	SE243061.032	LB271521	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP411_1.0-1.1	SE243061.033	LB271521	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP412_0.1-0.2	SE243061.034	LB271521	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP412_0.5-0.6	SE243061.035	LB271521	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP412_1.0-1.1	SE243061.036	LB271521	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023

HOLDING TIME SUMMARY

SE243061 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES (continued)

Method: ME-(AU)-[ENV]AN040/AN320

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP413_0.1-0.2	SE243061.037	LB271521	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP413_0.5-0.6	SE243061.038	LB271521	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP413_1.0-1.1	SE243061.039	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP414_0.1-0.2	SE243061.040	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP414_0.5-0.6	SE243061.041	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP414_1.0-1.1	SE243061.042	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP415_0.1-0.2	SE243061.043	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP415_0.5-0.6	SE243061.044	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP415_1.0-1.1	SE243061.045	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP416_0.1-0.2	SE243061.046	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP416_0.5-0.6	SE243061.047	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP416_1.0-1.1	SE243061.048	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP417_0.1-0.2	SE243061.049	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP417_0.5-0.6	SE243061.050	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP417_1.0-1.1	SE243061.051	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP418_0.1-0.2	SE243061.052	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP418_0.5-0.6	SE243061.053	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP418_1.0-1.1	SE243061.054	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP419_0.1-0.2	SE243061.055	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP419_0.5-0.6	SE243061.056	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
TP419_1.0-1.1	SE243061.057	LB271522	07 Feb 2023	09 Feb 2023	06 Aug 2023	15 Feb 2023	06 Aug 2023	20 Feb 2023
BH501M_0.3-0.45	SE243061.058	LB271522	08 Feb 2023	09 Feb 2023	07 Aug 2023	15 Feb 2023	07 Aug 2023	20 Feb 2023
BH501M_1.0-1.1	SE243061.059	LB271545	08 Feb 2023	09 Feb 2023	07 Aug 2023	15 Feb 2023	07 Aug 2023	20 Feb 2023
BH502M_0.4-0.6	SE243061.060	LB271545	08 Feb 2023	09 Feb 2023	07 Aug 2023	15 Feb 2023	07 Aug 2023	20 Feb 2023
BH502M_1.0-1.1	SE243061.061	LB271545	08 Feb 2023	09 Feb 2023	07 Aug 2023	15 Feb 2023	07 Aug 2023	20 Feb 2023
BH503_0.4-0.5	SE243061.062	LB271545	08 Feb 2023	09 Feb 2023	07 Aug 2023	15 Feb 2023	07 Aug 2023	20 Feb 2023
BH503_0.9-1.0	SE243061.063	LB271545	08 Feb 2023	09 Feb 2023	07 Aug 2023	15 Feb 2023	07 Aug 2023	20 Feb 2023
QD1	SE243061.064	LB271545	08 Feb 2023	09 Feb 2023	07 Aug 2023	15 Feb 2023	07 Aug 2023	20 Feb 2023
QD3	SE243061.065	LB271545	08 Feb 2023	09 Feb 2023	07 Aug 2023	15 Feb 2023	07 Aug 2023	20 Feb 2023
QD4	SE243061.066	LB271545	08 Feb 2023	09 Feb 2023	07 Aug 2023	15 Feb 2023	07 Aug 2023	20 Feb 2023
QD6	SE243061.067	LB271545	08 Feb 2023	09 Feb 2023	07 Aug 2023	15 Feb 2023	07 Aug 2023	20 Feb 2023
BH501M_1.5-1.6	SE243061.071	LB271545	08 Feb 2023	09 Feb 2023	07 Aug 2023	15 Feb 2023	07 Aug 2023	20 Feb 2023
BH503M_1.5-1.6	SE243061.072	LB271545	08 Feb 2023	09 Feb 2023	07 Aug 2023	15 Feb 2023	07 Aug 2023	20 Feb 2023

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QR	SE243061.068	LB271420	08 Feb 2023	09 Feb 2023	07 Aug 2023	15 Feb 2023	07 Aug 2023	15 Feb 2023

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_0.1-0.2	SE243061.001	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP401_0.5-0.6	SE243061.002	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP401_1.0-1.1	SE243061.003	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_0.1-0.2	SE243061.004	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_0.5-0.6	SE243061.005	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP402_1.0-1.1	SE243061.006	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_0.1-0.2	SE243061.007	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_0.5-0.6	SE243061.008	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP403_1.0-1.1	SE243061.009	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_0.1-0.2	SE243061.010	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_0.5-0.6	SE243061.011	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP404_1.0-1.1	SE243061.012	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_0.1-0.2	SE243061.013	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_0.5-0.6	SE243061.014	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP405_1.0-1.1	SE243061.015	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_0.1-0.2	SE243061.016	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_0.5-0.6	SE243061.017	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP406_1.0-1.1	SE243061.018	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP407_0.1-0.2	SE243061.019	LB271471	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP407_0.5-0.6	SE243061.020	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023

HOLDING TIME SUMMARY

SE243061 R0

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Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

TRH (Total Recoverable Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN403

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP407_1.0-1.1	SE243061.021	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP408_0.1-0.2	SE243061.022	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP408_0.5-0.6	SE243061.023	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP408_1.0-1.1	SE243061.024	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP409_0.1-0.2	SE243061.025	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP409_0.5-0.6	SE243061.026	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP409_1.0-1.1	SE243061.027	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP410_0.1-0.2	SE243061.028	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP410_0.5-0.6	SE243061.029	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP410_1.0-1.1	SE243061.030	LB271490	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP411_0.1-0.2	SE243061.031	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP411_0.5-0.6	SE243061.032	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP411_1.0-1.1	SE243061.033	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP412_0.1-0.2	SE243061.034	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP412_0.5-0.6	SE243061.035	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP412_1.0-1.1	SE243061.036	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP413_0.1-0.2	SE243061.037	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP413_0.5-0.6	SE243061.038	LB271490	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP413_1.0-1.1	SE243061.039	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP414_0.1-0.2	SE243061.040	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP414_0.5-0.6	SE243061.041	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP414_1.0-1.1	SE243061.042	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP415_0.1-0.2	SE243061.043	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP415_0.5-0.6	SE243061.044	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP415_1.0-1.1	SE243061.045	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP416_0.1-0.2	SE243061.046	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP416_0.5-0.6	SE243061.047	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP416_1.0-1.1	SE243061.048	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP417_0.1-0.2	SE243061.049	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP417_0.5-0.6	SE243061.050	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP417_1.0-1.1	SE243061.051	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP418_0.1-0.2	SE243061.052	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP418_0.5-0.6	SE243061.053	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP418_1.0-1.1	SE243061.054	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP419_0.1-0.2	SE243061.055	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP419_0.5-0.6	SE243061.056	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
TP419_1.0-1.1	SE243061.057	LB271491	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
BH501M_0.3-0.45	SE243061.058	LB271491	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
BH501M_1.0-1.1	SE243061.059	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
BH502M_0.4-0.6	SE243061.060	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
BH502M_1.0-1.1	SE243061.061	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
BH503_0.4-0.5	SE243061.062	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
BH503_0.9-1.0	SE243061.063	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
QD1	SE243061.064	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
QD3	SE243061.065	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
QD4	SE243061.066	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
QD6	SE243061.067	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
BH501M_1.5-1.6	SE243061.071	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023
BH503M_1.5-1.6	SE243061.072	LB271508	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	27 Mar 2023	20 Feb 2023

TRH (Total Recoverable Hydrocarbons) in Water

Method: ME-(AU)-[ENV]AN403

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QR	SE243061.068	LB271575	08 Feb 2023	09 Feb 2023	15 Feb 2023	16 Feb 2023†	28 Mar 2023	21 Feb 2023

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_0.1-0.2	SE243061.001	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP401_0.5-0.6	SE243061.002	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP401_1.0-1.1	SE243061.003	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP402_0.1-0.2	SE243061.004	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023

HOLDING TIME SUMMARY

SE243061 R0

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VOC's in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP402_0.5-0.6	SE243061.005	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP402_1.0-1.1	SE243061.006	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP403_0.1-0.2	SE243061.007	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP403_0.5-0.6	SE243061.008	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP403_1.0-1.1	SE243061.009	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP404_0.1-0.2	SE243061.010	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP404_0.5-0.6	SE243061.011	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP404_1.0-1.1	SE243061.012	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP405_0.1-0.2	SE243061.013	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP405_0.5-0.6	SE243061.014	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP405_1.0-1.1	SE243061.015	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP406_0.1-0.2	SE243061.016	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP406_0.5-0.6	SE243061.017	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP406_1.0-1.1	SE243061.018	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP407_0.1-0.2	SE243061.019	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP407_0.5-0.6	SE243061.020	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP407_1.0-1.1	SE243061.021	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP408_0.1-0.2	SE243061.022	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP408_0.5-0.6	SE243061.023	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP408_1.0-1.1	SE243061.024	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP409_0.1-0.2	SE243061.025	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP409_0.5-0.6	SE243061.026	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP409_1.0-1.1	SE243061.027	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP410_0.1-0.2	SE243061.028	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP410_0.5-0.6	SE243061.029	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP410_1.0-1.1	SE243061.030	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP411_0.1-0.2	SE243061.031	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP411_0.5-0.6	SE243061.032	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP411_1.0-1.1	SE243061.033	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP412_0.1-0.2	SE243061.034	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP412_0.5-0.6	SE243061.035	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP412_1.0-1.1	SE243061.036	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP413_0.1-0.2	SE243061.037	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP413_0.5-0.6	SE243061.038	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP413_1.0-1.1	SE243061.039	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP414_0.1-0.2	SE243061.040	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP414_0.5-0.6	SE243061.041	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP414_1.0-1.1	SE243061.042	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP415_0.1-0.2	SE243061.043	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP415_0.5-0.6	SE243061.044	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP415_1.0-1.1	SE243061.045	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP416_0.1-0.2	SE243061.046	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP416_0.5-0.6	SE243061.047	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP416_1.0-1.1	SE243061.048	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP417_0.1-0.2	SE243061.049	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP417_0.5-0.6	SE243061.050	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP417_1.0-1.1	SE243061.051	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP418_0.1-0.2	SE243061.052	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP418_0.5-0.6	SE243061.053	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP418_1.0-1.1	SE243061.054	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP419_0.1-0.2	SE243061.055	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP419_0.5-0.6	SE243061.056	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP419_1.0-1.1	SE243061.057	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
BH501M_0.3-0.45	SE243061.058	LB271512	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH501M_1.0-1.1	SE243061.059	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH502M_0.4-0.6	SE243061.060	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH502M_1.0-1.1	SE243061.061	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH503_0.4-0.5	SE243061.062	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH503_0.9-1.0	SE243061.063	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
QD1	SE243061.064	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023

HOLDING TIME SUMMARY

SE243061 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QD3	SE243061.065	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
QD4	SE243061.066	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
QD6	SE243061.067	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
TB	SE243061.069	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
TS	SE243061.070	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH501M_1.5-1.6	SE243061.071	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH503M_1.5-1.6	SE243061.072	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QR	SE243061.068	LB271699	08 Feb 2023	09 Feb 2023	22 Feb 2023	17 Feb 2023	22 Feb 2023	20 Feb 2023

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP401_0.1-0.2	SE243061.001	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP401_0.5-0.6	SE243061.002	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP401_1.0-1.1	SE243061.003	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP402_0.1-0.2	SE243061.004	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP402_0.5-0.6	SE243061.005	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP402_1.0-1.1	SE243061.006	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP403_0.1-0.2	SE243061.007	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP403_0.5-0.6	SE243061.008	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP403_1.0-1.1	SE243061.009	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP404_0.1-0.2	SE243061.010	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP404_0.5-0.6	SE243061.011	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP404_1.0-1.1	SE243061.012	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP405_0.1-0.2	SE243061.013	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP405_0.5-0.6	SE243061.014	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP405_1.0-1.1	SE243061.015	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP406_0.1-0.2	SE243061.016	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP406_0.5-0.6	SE243061.017	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP406_1.0-1.1	SE243061.018	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP407_0.1-0.2	SE243061.019	LB271509	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP407_0.5-0.6	SE243061.020	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP407_1.0-1.1	SE243061.021	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP408_0.1-0.2	SE243061.022	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP408_0.5-0.6	SE243061.023	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP408_1.0-1.1	SE243061.024	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP409_0.1-0.2	SE243061.025	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP409_0.5-0.6	SE243061.026	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP409_1.0-1.1	SE243061.027	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP410_0.1-0.2	SE243061.028	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP410_0.5-0.6	SE243061.029	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP410_1.0-1.1	SE243061.030	LB271511	06 Feb 2023	09 Feb 2023	20 Feb 2023	15 Feb 2023	20 Feb 2023	20 Feb 2023
TP411_0.1-0.2	SE243061.031	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP411_0.5-0.6	SE243061.032	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP411_1.0-1.1	SE243061.033	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP412_0.1-0.2	SE243061.034	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP412_0.5-0.6	SE243061.035	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP412_1.0-1.1	SE243061.036	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP413_0.1-0.2	SE243061.037	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP413_0.5-0.6	SE243061.038	LB271511	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP413_1.0-1.1	SE243061.039	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP414_0.1-0.2	SE243061.040	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP414_0.5-0.6	SE243061.041	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP414_1.0-1.1	SE243061.042	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP415_0.1-0.2	SE243061.043	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP415_0.5-0.6	SE243061.044	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP415_1.0-1.1	SE243061.045	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP416_0.1-0.2	SE243061.046	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023

HOLDING TIME SUMMARY

SE243061 R0

SGS holding time criteria are drawn from current regulations and are highly dependent on sample container preservation as specified in the SGS "Field Sampling Guide for Containers and Holding Time" (ref: GU-(AU)-ENV.001). Soil samples guidelines are derived from NEPM "Schedule B(3) Guideline on Laboratory Analysis of Potentially Contaminated Soils". Water sample guidelines are derived from "AS/NZS 5667.1 : 1998 Water Quality - sampling part 1" and APHA "Standard Methods for the Examination of Water and Wastewater" 21st edition 2005.

Extraction and analysis holding time due dates listed are calculated from the date sampled, although holding times may be extended after laboratory extraction for some analytes. The due dates are the suggested dates that samples may be held before extraction or analysis and still be considered valid.

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP416_0.5-0.6	SE243061.047	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP416_1.0-1.1	SE243061.048	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP417_0.1-0.2	SE243061.049	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP417_0.5-0.6	SE243061.050	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP417_1.0-1.1	SE243061.051	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP418_0.1-0.2	SE243061.052	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP418_0.5-0.6	SE243061.053	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP418_1.0-1.1	SE243061.054	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP419_0.1-0.2	SE243061.055	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP419_0.5-0.6	SE243061.056	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
TP419_1.0-1.1	SE243061.057	LB271512	07 Feb 2023	09 Feb 2023	21 Feb 2023	15 Feb 2023	21 Feb 2023	20 Feb 2023
BH501M_0.3-0.45	SE243061.058	LB271512	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH501M_1.0-1.1	SE243061.059	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH502M_0.4-0.6	SE243061.060	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH502M_1.0-1.1	SE243061.061	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH503_0.4-0.5	SE243061.062	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH503_0.9-1.0	SE243061.063	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
QD1	SE243061.064	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
QD3	SE243061.065	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
QD4	SE243061.066	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
QD6	SE243061.067	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
TB	SE243061.069	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
TS	SE243061.070	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH501M_1.5-1.6	SE243061.071	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023
BH503M_1.5-1.6	SE243061.072	LB271533	08 Feb 2023	09 Feb 2023	22 Feb 2023	15 Feb 2023	22 Feb 2023	20 Feb 2023

Volatile Petroleum Hydrocarbons in Water — **Method: ME-(AU)-[ENV]AN433**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
QR	SE243061.068	LB271699	08 Feb 2023	09 Feb 2023	22 Feb 2023	17 Feb 2023	22 Feb 2023	20 Feb 2023

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OC Pesticides in Soil — **Method: ME-(AU)-[ENV]AN420**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Tetrachloro-m-xylene (TCMX) (Surrogate)	TP401_0.1-0.2	SE243061.001	%	60 - 130%	102
	TP401_0.5-0.6	SE243061.002	%	60 - 130%	97
	TP401_1.0-1.1	SE243061.003	%	60 - 130%	95
	TP402_0.1-0.2	SE243061.004	%	60 - 130%	96
	TP402_0.5-0.6	SE243061.005	%	60 - 130%	100
	TP402_1.0-1.1	SE243061.006	%	60 - 130%	95
	TP403_0.1-0.2	SE243061.007	%	60 - 130%	97
	TP403_0.5-0.6	SE243061.008	%	60 - 130%	99
	TP403_1.0-1.1	SE243061.009	%	60 - 130%	102
	TP404_0.1-0.2	SE243061.010	%	60 - 130%	98
	TP404_0.5-0.6	SE243061.011	%	60 - 130%	94
	TP404_1.0-1.1	SE243061.012	%	60 - 130%	95
	TP405_0.1-0.2	SE243061.013	%	60 - 130%	98
	TP405_0.5-0.6	SE243061.014	%	60 - 130%	93
	TP405_1.0-1.1	SE243061.015	%	60 - 130%	104
	TP406_0.1-0.2	SE243061.016	%	60 - 130%	97
	TP406_0.5-0.6	SE243061.017	%	60 - 130%	97
	TP406_1.0-1.1	SE243061.018	%	60 - 130%	102
	TP407_0.1-0.2	SE243061.019	%	60 - 130%	94
	TP407_0.5-0.6	SE243061.020	%	60 - 130%	87
	TP407_1.0-1.1	SE243061.021	%	60 - 130%	95
	TP408_0.1-0.2	SE243061.022	%	60 - 130%	99
	TP408_0.5-0.6	SE243061.023	%	60 - 130%	90
	TP408_1.0-1.1	SE243061.024	%	60 - 130%	97
	TP409_0.1-0.2	SE243061.025	%	60 - 130%	95
	TP409_0.5-0.6	SE243061.026	%	60 - 130%	93
	TP409_1.0-1.1	SE243061.027	%	60 - 130%	89
	TP410_0.1-0.2	SE243061.028	%	60 - 130%	91
	TP410_0.5-0.6	SE243061.029	%	60 - 130%	91
	TP410_1.0-1.1	SE243061.030	%	60 - 130%	96
	TP411_0.1-0.2	SE243061.031	%	60 - 130%	87
	TP411_0.5-0.6	SE243061.032	%	60 - 130%	103
	TP411_1.0-1.1	SE243061.033	%	60 - 130%	94
	TP412_0.1-0.2	SE243061.034	%	60 - 130%	91
	TP412_0.5-0.6	SE243061.035	%	60 - 130%	84
	TP412_1.0-1.1	SE243061.036	%	60 - 130%	93
	TP413_0.1-0.2	SE243061.037	%	60 - 130%	106
	TP413_0.5-0.6	SE243061.038	%	60 - 130%	108
	TP413_1.0-1.1	SE243061.039	%	60 - 130%	120
	TP414_0.1-0.2	SE243061.040	%	60 - 130%	108
	TP414_0.5-0.6	SE243061.041	%	60 - 130%	108
	TP414_1.0-1.1	SE243061.042	%	60 - 130%	105
	TP415_0.1-0.2	SE243061.043	%	60 - 130%	110
	TP415_0.5-0.6	SE243061.044	%	60 - 130%	101
	TP415_1.0-1.1	SE243061.045	%	60 - 130%	110
	TP416_0.1-0.2	SE243061.046	%	60 - 130%	103
	TP416_0.5-0.6	SE243061.047	%	60 - 130%	110
	TP416_1.0-1.1	SE243061.048	%	60 - 130%	104
	TP417_0.1-0.2	SE243061.049	%	60 - 130%	106
	TP417_0.5-0.6	SE243061.050	%	60 - 130%	111
	TP417_1.0-1.1	SE243061.051	%	60 - 130%	104
	TP418_0.1-0.2	SE243061.052	%	60 - 130%	107
	TP418_0.5-0.6	SE243061.053	%	60 - 130%	105
	TP418_1.0-1.1	SE243061.054	%	60 - 130%	113
	TP419_0.1-0.2	SE243061.055	%	60 - 130%	113
	TP419_0.5-0.6	SE243061.056	%	60 - 130%	116
	TP419_1.0-1.1	SE243061.057	%	60 - 130%	110
	BH501M_0.3-0.45	SE243061.058	%	60 - 130%	109
	BH501M_1.0-1.1	SE243061.059	%	60 - 130%	107
	BH502M_0.4-0.6	SE243061.060	%	60 - 130%	103
	BH502M_1.0-1.1	SE243061.061	%	60 - 130%	110

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OC Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Tetrachloro-m-xylene (TCMX) (Surrogate)	BH503_0.4-0.5	SE243061.062	%	60 - 130%	103
	BH503_0.9-1.0	SE243061.063	%	60 - 130%	103
	BH501M_1.5-1.6	SE243061.071	%	60 - 130%	120
	BH503M_1.5-1.6	SE243061.072	%	60 - 130%	119

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	TP401_0.1-0.2	SE243061.001	%	60 - 130%	89
	TP401_0.5-0.6	SE243061.002	%	60 - 130%	85
	TP401_1.0-1.1	SE243061.003	%	60 - 130%	84
	TP402_0.1-0.2	SE243061.004	%	60 - 130%	83
	TP402_0.5-0.6	SE243061.005	%	60 - 130%	84
	TP402_1.0-1.1	SE243061.006	%	60 - 130%	81
	TP403_0.1-0.2	SE243061.007	%	60 - 130%	82
	TP403_0.5-0.6	SE243061.008	%	60 - 130%	82
	TP403_1.0-1.1	SE243061.009	%	60 - 130%	91
	TP404_0.1-0.2	SE243061.010	%	60 - 130%	84
	TP404_0.5-0.6	SE243061.011	%	60 - 130%	81
	TP404_1.0-1.1	SE243061.012	%	60 - 130%	82
	TP405_0.1-0.2	SE243061.013	%	60 - 130%	83
	TP405_0.5-0.6	SE243061.014	%	60 - 130%	83
	TP405_1.0-1.1	SE243061.015	%	60 - 130%	96
	TP406_0.1-0.2	SE243061.016	%	60 - 130%	114
	TP406_0.5-0.6	SE243061.017	%	60 - 130%	80
	TP406_1.0-1.1	SE243061.018	%	60 - 130%	80
	TP407_0.1-0.2	SE243061.019	%	60 - 130%	84
	TP407_0.5-0.6	SE243061.020	%	60 - 130%	85
	TP407_1.0-1.1	SE243061.021	%	60 - 130%	94
	TP408_0.1-0.2	SE243061.022	%	60 - 130%	87
	TP408_0.5-0.6	SE243061.023	%	60 - 130%	84
	TP408_1.0-1.1	SE243061.024	%	60 - 130%	94
	TP409_0.1-0.2	SE243061.025	%	60 - 130%	88
	TP409_0.5-0.6	SE243061.026	%	60 - 130%	90
	TP409_1.0-1.1	SE243061.027	%	60 - 130%	86
	TP410_0.1-0.2	SE243061.028	%	60 - 130%	87
	TP410_0.5-0.6	SE243061.029	%	60 - 130%	85
	TP410_1.0-1.1	SE243061.030	%	60 - 130%	82
	TP411_0.1-0.2	SE243061.031	%	60 - 130%	85
	TP411_0.5-0.6	SE243061.032	%	60 - 130%	85
	TP411_1.0-1.1	SE243061.033	%	60 - 130%	84
	TP412_0.1-0.2	SE243061.034	%	60 - 130%	88
	TP412_0.5-0.6	SE243061.035	%	60 - 130%	84
	TP412_1.0-1.1	SE243061.036	%	60 - 130%	99
	TP413_0.1-0.2	SE243061.037	%	60 - 130%	87
	TP413_0.5-0.6	SE243061.038	%	60 - 130%	87
	TP413_1.0-1.1	SE243061.039	%	60 - 130%	89
	TP414_0.1-0.2	SE243061.040	%	60 - 130%	87
	TP414_0.5-0.6	SE243061.041	%	60 - 130%	90
	TP414_1.0-1.1	SE243061.042	%	60 - 130%	86
	TP415_0.1-0.2	SE243061.043	%	60 - 130%	87
	TP415_0.5-0.6	SE243061.044	%	60 - 130%	81
	TP415_1.0-1.1	SE243061.045	%	60 - 130%	89
	TP416_0.1-0.2	SE243061.046	%	60 - 130%	86
	TP416_0.5-0.6	SE243061.047	%	60 - 130%	78
	TP416_1.0-1.1	SE243061.048	%	60 - 130%	87
	TP417_0.1-0.2	SE243061.049	%	60 - 130%	84
	TP417_0.5-0.6	SE243061.050	%	60 - 130%	82
	TP417_1.0-1.1	SE243061.051	%	60 - 130%	83
	TP418_0.1-0.2	SE243061.052	%	60 - 130%	82
	TP418_0.5-0.6	SE243061.053	%	60 - 130%	82
	TP418_1.0-1.1	SE243061.054	%	60 - 130%	84

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OP Pesticides in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	TP419_0.1-0.2	SE243061.055	%	60 - 130%	85
	TP419_0.5-0.6	SE243061.056	%	60 - 130%	84
	TP419_1.0-1.1	SE243061.057	%	60 - 130%	113
	BH501M_0.3-0.45	SE243061.058	%	60 - 130%	84
	BH501M_1.0-1.1	SE243061.059	%	60 - 130%	99
	BH502M_0.4-0.6	SE243061.060	%	60 - 130%	94
	BH502M_1.0-1.1	SE243061.061	%	60 - 130%	80
	BH503_0.4-0.5	SE243061.062	%	60 - 130%	80
	BH503_0.9-1.0	SE243061.063	%	60 - 130%	85
	BH501M_1.5-1.6	SE243061.071	%	60 - 130%	96
	BH503M_1.5-1.6	SE243061.072	%	60 - 130%	95
d14-p-terphenyl (Surrogate)	TP401_0.1-0.2	SE243061.001	%	60 - 130%	93
	TP401_0.5-0.6	SE243061.002	%	60 - 130%	91
	TP401_1.0-1.1	SE243061.003	%	60 - 130%	89
	TP402_0.1-0.2	SE243061.004	%	60 - 130%	87
	TP402_0.5-0.6	SE243061.005	%	60 - 130%	88
	TP402_1.0-1.1	SE243061.006	%	60 - 130%	84
	TP403_0.1-0.2	SE243061.007	%	60 - 130%	87
	TP403_0.5-0.6	SE243061.008	%	60 - 130%	89
	TP403_1.0-1.1	SE243061.009	%	60 - 130%	93
	TP404_0.1-0.2	SE243061.010	%	60 - 130%	90
	TP404_0.5-0.6	SE243061.011	%	60 - 130%	86
	TP404_1.0-1.1	SE243061.012	%	60 - 130%	87
	TP405_0.1-0.2	SE243061.013	%	60 - 130%	90
	TP405_0.5-0.6	SE243061.014	%	60 - 130%	87
	TP405_1.0-1.1	SE243061.015	%	60 - 130%	100
	TP406_0.1-0.2	SE243061.016	%	60 - 130%	122
	TP406_0.5-0.6	SE243061.017	%	60 - 130%	84
	TP406_1.0-1.1	SE243061.018	%	60 - 130%	84
	TP407_0.1-0.2	SE243061.019	%	60 - 130%	90
	TP407_0.5-0.6	SE243061.020	%	60 - 130%	89
	TP407_1.0-1.1	SE243061.021	%	60 - 130%	97
	TP408_0.1-0.2	SE243061.022	%	60 - 130%	89
	TP408_0.5-0.6	SE243061.023	%	60 - 130%	89
	TP408_1.0-1.1	SE243061.024	%	60 - 130%	97
	TP409_0.1-0.2	SE243061.025	%	60 - 130%	91
	TP409_0.5-0.6	SE243061.026	%	60 - 130%	92
	TP409_1.0-1.1	SE243061.027	%	60 - 130%	91
	TP410_0.1-0.2	SE243061.028	%	60 - 130%	91
	TP410_0.5-0.6	SE243061.029	%	60 - 130%	90
	TP410_1.0-1.1	SE243061.030	%	60 - 130%	81
	TP411_0.1-0.2	SE243061.031	%	60 - 130%	89
	TP411_0.5-0.6	SE243061.032	%	60 - 130%	89
	TP411_1.0-1.1	SE243061.033	%	60 - 130%	89
	TP412_0.1-0.2	SE243061.034	%	60 - 130%	91
	TP412_0.5-0.6	SE243061.035	%	60 - 130%	89
	TP412_1.0-1.1	SE243061.036	%	60 - 130%	102
	TP413_0.1-0.2	SE243061.037	%	60 - 130%	90
	TP413_0.5-0.6	SE243061.038	%	60 - 130%	90
	TP413_1.0-1.1	SE243061.039	%	60 - 130%	88
	TP414_0.1-0.2	SE243061.040	%	60 - 130%	91
	TP414_0.5-0.6	SE243061.041	%	60 - 130%	94
	TP414_1.0-1.1	SE243061.042	%	60 - 130%	91
	TP415_0.1-0.2	SE243061.043	%	60 - 130%	91
	TP415_0.5-0.6	SE243061.044	%	60 - 130%	85
	TP415_1.0-1.1	SE243061.045	%	60 - 130%	94
	TP416_0.1-0.2	SE243061.046	%	60 - 130%	90
	TP416_0.5-0.6	SE243061.047	%	60 - 130%	81
	TP416_1.0-1.1	SE243061.048	%	60 - 130%	92
	TP417_0.1-0.2	SE243061.049	%	60 - 130%	91
	TP417_0.5-0.6	SE243061.050	%	60 - 130%	90

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

OP Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d14-p-terphenyl (Surrogate)	TP417_1.0-1.1	SE243061.051	%	60 - 130%	92
	TP418_0.1-0.2	SE243061.052	%	60 - 130%	90
	TP418_0.5-0.6	SE243061.053	%	60 - 130%	91
	TP418_1.0-1.1	SE243061.054	%	60 - 130%	86
	TP419_0.1-0.2	SE243061.055	%	60 - 130%	89
	TP419_0.5-0.6	SE243061.056	%	60 - 130%	88
	TP419_1.0-1.1	SE243061.057	%	60 - 130%	119
	BH501M_0.3-0.45	SE243061.058	%	60 - 130%	90
	BH501M_1.0-1.1	SE243061.059	%	60 - 130%	106
	BH502M_0.4-0.6	SE243061.060	%	60 - 130%	102
	BH502M_1.0-1.1	SE243061.061	%	60 - 130%	85
	BH503_0.4-0.5	SE243061.062	%	60 - 130%	83
	BH503_0.9-1.0	SE243061.063	%	60 - 130%	90
	BH501M_1.5-1.6	SE243061.071	%	60 - 130%	104
	BH503M_1.5-1.6	SE243061.072	%	60 - 130%	102

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	TP401_0.1-0.2	SE243061.001	%	70 - 130%	89
	TP401_0.5-0.6	SE243061.002	%	70 - 130%	85
	TP401_1.0-1.1	SE243061.003	%	70 - 130%	84
	TP402_0.1-0.2	SE243061.004	%	70 - 130%	83
	TP402_0.5-0.6	SE243061.005	%	70 - 130%	84
	TP402_1.0-1.1	SE243061.006	%	70 - 130%	81
	TP403_0.1-0.2	SE243061.007	%	70 - 130%	82
	TP403_0.5-0.6	SE243061.008	%	70 - 130%	82
	TP403_1.0-1.1	SE243061.009	%	70 - 130%	91
	TP404_0.1-0.2	SE243061.010	%	70 - 130%	84
	TP404_0.5-0.6	SE243061.011	%	70 - 130%	81
	TP404_1.0-1.1	SE243061.012	%	70 - 130%	82
	TP405_0.1-0.2	SE243061.013	%	70 - 130%	83
	TP405_0.5-0.6	SE243061.014	%	70 - 130%	83
	TP405_1.0-1.1	SE243061.015	%	70 - 130%	96
	TP406_0.1-0.2	SE243061.016	%	70 - 130%	114
	TP406_0.5-0.6	SE243061.017	%	70 - 130%	80
	TP406_1.0-1.1	SE243061.018	%	70 - 130%	80
	TP407_0.1-0.2	SE243061.019	%	70 - 130%	84
	TP407_0.5-0.6	SE243061.020	%	70 - 130%	85
	TP407_1.0-1.1	SE243061.021	%	70 - 130%	94
	TP408_0.1-0.2	SE243061.022	%	70 - 130%	87
	TP408_0.5-0.6	SE243061.023	%	70 - 130%	84
	TP408_1.0-1.1	SE243061.024	%	70 - 130%	94
	TP409_0.1-0.2	SE243061.025	%	70 - 130%	88
	TP409_0.5-0.6	SE243061.026	%	70 - 130%	90
	TP409_1.0-1.1	SE243061.027	%	70 - 130%	86
	TP410_0.1-0.2	SE243061.028	%	70 - 130%	87
	TP410_0.5-0.6	SE243061.029	%	70 - 130%	85
	TP410_1.0-1.1	SE243061.030	%	70 - 130%	82
	TP411_0.1-0.2	SE243061.031	%	70 - 130%	85
	TP411_0.5-0.6	SE243061.032	%	70 - 130%	85
	TP411_1.0-1.1	SE243061.033	%	70 - 130%	84
	TP412_0.1-0.2	SE243061.034	%	70 - 130%	88
	TP412_0.5-0.6	SE243061.035	%	70 - 130%	84
	TP412_1.0-1.1	SE243061.036	%	70 - 130%	99
	TP413_0.1-0.2	SE243061.037	%	70 - 130%	87
	TP413_0.5-0.6	SE243061.038	%	70 - 130%	87
	TP413_1.0-1.1	SE243061.039	%	70 - 130%	89
	TP414_0.1-0.2	SE243061.040	%	70 - 130%	87
	TP414_0.5-0.6	SE243061.041	%	70 - 130%	90
	TP414_1.0-1.1	SE243061.042	%	70 - 130%	86
	TP415_0.1-0.2	SE243061.043	%	70 - 130%	87

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
2-fluorobiphenyl (Surrogate)	TP415_0.5-0.6	SE243061.044	%	70 - 130%	81
	TP415_1.0-1.1	SE243061.045	%	70 - 130%	89
	TP416_0.1-0.2	SE243061.046	%	70 - 130%	86
	TP416_0.5-0.6	SE243061.047	%	70 - 130%	78
	TP416_1.0-1.1	SE243061.048	%	70 - 130%	87
	TP417_0.1-0.2	SE243061.049	%	70 - 130%	84
	TP417_0.5-0.6	SE243061.050	%	70 - 130%	82
	TP417_1.0-1.1	SE243061.051	%	70 - 130%	83
	TP418_0.1-0.2	SE243061.052	%	70 - 130%	82
	TP418_0.5-0.6	SE243061.053	%	70 - 130%	82
	TP418_1.0-1.1	SE243061.054	%	70 - 130%	84
	TP419_0.1-0.2	SE243061.055	%	70 - 130%	85
	TP419_0.5-0.6	SE243061.056	%	70 - 130%	84
	TP419_1.0-1.1	SE243061.057	%	70 - 130%	113
	BH501M_0.3-0.45	SE243061.058	%	70 - 130%	84
	BH501M_1.0-1.1	SE243061.059	%	70 - 130%	99
	BH502M_0.4-0.6	SE243061.060	%	70 - 130%	94
	BH502M_1.0-1.1	SE243061.061	%	70 - 130%	80
	BH503_0.4-0.5	SE243061.062	%	70 - 130%	80
	BH503_0.9-1.0	SE243061.063	%	70 - 130%	85
	BH501M_1.5-1.6	SE243061.071	%	70 - 130%	96
	BH503M_1.5-1.6	SE243061.072	%	70 - 130%	95
d14-p-terphenyl (Surrogate)	TP401_0.1-0.2	SE243061.001	%	70 - 130%	93
	TP401_0.5-0.6	SE243061.002	%	70 - 130%	91
	TP401_1.0-1.1	SE243061.003	%	70 - 130%	89
	TP402_0.1-0.2	SE243061.004	%	70 - 130%	87
	TP402_0.5-0.6	SE243061.005	%	70 - 130%	88
	TP402_1.0-1.1	SE243061.006	%	70 - 130%	84
	TP403_0.1-0.2	SE243061.007	%	70 - 130%	87
	TP403_0.5-0.6	SE243061.008	%	70 - 130%	89
	TP403_1.0-1.1	SE243061.009	%	70 - 130%	93
	TP404_0.1-0.2	SE243061.010	%	70 - 130%	90
	TP404_0.5-0.6	SE243061.011	%	70 - 130%	86
	TP404_1.0-1.1	SE243061.012	%	70 - 130%	87
	TP405_0.1-0.2	SE243061.013	%	70 - 130%	90
	TP405_0.5-0.6	SE243061.014	%	70 - 130%	87
	TP405_1.0-1.1	SE243061.015	%	70 - 130%	100
	TP406_0.1-0.2	SE243061.016	%	70 - 130%	122
	TP406_0.5-0.6	SE243061.017	%	70 - 130%	84
	TP406_1.0-1.1	SE243061.018	%	70 - 130%	84
	TP407_0.1-0.2	SE243061.019	%	70 - 130%	90
	TP407_0.5-0.6	SE243061.020	%	70 - 130%	89
	TP407_1.0-1.1	SE243061.021	%	70 - 130%	97
	TP408_0.1-0.2	SE243061.022	%	70 - 130%	89
	TP408_0.5-0.6	SE243061.023	%	70 - 130%	89
	TP408_1.0-1.1	SE243061.024	%	70 - 130%	97
	TP409_0.1-0.2	SE243061.025	%	70 - 130%	91
	TP409_0.5-0.6	SE243061.026	%	70 - 130%	92
	TP409_1.0-1.1	SE243061.027	%	70 - 130%	91
	TP410_0.1-0.2	SE243061.028	%	70 - 130%	91
	TP410_0.5-0.6	SE243061.029	%	70 - 130%	90
	TP410_1.0-1.1	SE243061.030	%	70 - 130%	81
	TP411_0.1-0.2	SE243061.031	%	70 - 130%	89
	TP411_0.5-0.6	SE243061.032	%	70 - 130%	89
	TP411_1.0-1.1	SE243061.033	%	70 - 130%	89
	TP412_0.1-0.2	SE243061.034	%	70 - 130%	91
	TP412_0.5-0.6	SE243061.035	%	70 - 130%	89
	TP412_1.0-1.1	SE243061.036	%	70 - 130%	102
	TP413_0.1-0.2	SE243061.037	%	70 - 130%	90
	TP413_0.5-0.6	SE243061.038	%	70 - 130%	90
	TP413_1.0-1.1	SE243061.039	%	70 - 130%	88

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d14-p-terphenyl (Surrogate)	TP414_0.1-0.2	SE243061.040	%	70 - 130%	91
	TP414_0.5-0.6	SE243061.041	%	70 - 130%	94
	TP414_1.0-1.1	SE243061.042	%	70 - 130%	91
	TP415_0.1-0.2	SE243061.043	%	70 - 130%	91
	TP415_0.5-0.6	SE243061.044	%	70 - 130%	85
	TP415_1.0-1.1	SE243061.045	%	70 - 130%	94
	TP416_0.1-0.2	SE243061.046	%	70 - 130%	90
	TP416_0.5-0.6	SE243061.047	%	70 - 130%	81
	TP416_1.0-1.1	SE243061.048	%	70 - 130%	92
	TP417_0.1-0.2	SE243061.049	%	70 - 130%	91
	TP417_0.5-0.6	SE243061.050	%	70 - 130%	90
	TP417_1.0-1.1	SE243061.051	%	70 - 130%	92
	TP418_0.1-0.2	SE243061.052	%	70 - 130%	90
	TP418_0.5-0.6	SE243061.053	%	70 - 130%	91
	TP418_1.0-1.1	SE243061.054	%	70 - 130%	86
	TP419_0.1-0.2	SE243061.055	%	70 - 130%	89
	TP419_0.5-0.6	SE243061.056	%	70 - 130%	88
	TP419_1.0-1.1	SE243061.057	%	70 - 130%	119
	BH501M_0.3-0.45	SE243061.058	%	70 - 130%	90
	BH501M_1.0-1.1	SE243061.059	%	70 - 130%	106
	BH502M_0.4-0.6	SE243061.060	%	70 - 130%	102
	BH502M_1.0-1.1	SE243061.061	%	70 - 130%	85
	BH503_0.4-0.5	SE243061.062	%	70 - 130%	83
	BH503_0.9-1.0	SE243061.063	%	70 - 130%	90
	BH501M_1.5-1.6	SE243061.071	%	70 - 130%	104
	BH503M_1.5-1.6	SE243061.072	%	70 - 130%	102
d5-nitrobenzene (Surrogate)	TP401_0.1-0.2	SE243061.001	%	70 - 130%	102
	TP401_0.5-0.6	SE243061.002	%	70 - 130%	101
	TP401_1.0-1.1	SE243061.003	%	70 - 130%	100
	TP402_0.1-0.2	SE243061.004	%	70 - 130%	97
	TP402_0.5-0.6	SE243061.005	%	70 - 130%	98
	TP402_1.0-1.1	SE243061.006	%	70 - 130%	94
	TP403_0.1-0.2	SE243061.007	%	70 - 130%	98
	TP403_0.5-0.6	SE243061.008	%	70 - 130%	96
	TP403_1.0-1.1	SE243061.009	%	70 - 130%	108
	TP404_0.1-0.2	SE243061.010	%	70 - 130%	101
	TP404_0.5-0.6	SE243061.011	%	70 - 130%	97
	TP404_1.0-1.1	SE243061.012	%	70 - 130%	97
	TP405_0.1-0.2	SE243061.013	%	70 - 130%	97
	TP405_0.5-0.6	SE243061.014	%	70 - 130%	98
	TP405_1.0-1.1	SE243061.015	%	70 - 130%	114
	TP406_0.1-0.2	SE243061.016	%	70 - 130%	128
	TP406_0.5-0.6	SE243061.017	%	70 - 130%	95
	TP406_1.0-1.1	SE243061.018	%	70 - 130%	95
	TP407_0.1-0.2	SE243061.019	%	70 - 130%	100
	TP407_0.5-0.6	SE243061.020	%	70 - 130%	95
	TP407_1.0-1.1	SE243061.021	%	70 - 130%	104
	TP408_0.1-0.2	SE243061.022	%	70 - 130%	98
	TP408_0.5-0.6	SE243061.023	%	70 - 130%	98
	TP408_1.0-1.1	SE243061.024	%	70 - 130%	106
	TP409_0.1-0.2	SE243061.025	%	70 - 130%	95
	TP409_0.5-0.6	SE243061.026	%	70 - 130%	101
	TP409_1.0-1.1	SE243061.027	%	70 - 130%	99
	TP410_0.1-0.2	SE243061.028	%	70 - 130%	102
	TP410_0.5-0.6	SE243061.029	%	70 - 130%	100
	TP410_1.0-1.1	SE243061.030	%	70 - 130%	99
	TP411_0.1-0.2	SE243061.031	%	70 - 130%	102
	TP411_0.5-0.6	SE243061.032	%	70 - 130%	102
	TP411_1.0-1.1	SE243061.033	%	70 - 130%	99
	TP412_0.1-0.2	SE243061.034	%	70 - 130%	103
	TP412_0.5-0.6	SE243061.035	%	70 - 130%	97

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d5-nitrobenzene (Surrogate)	TP412_1.0-1.1	SE243061.036	%	70 - 130%	112
	TP413_0.1-0.2	SE243061.037	%	70 - 130%	101
	TP413_0.5-0.6	SE243061.038	%	70 - 130%	101
	TP413_1.0-1.1	SE243061.039	%	70 - 130%	105
	TP414_0.1-0.2	SE243061.040	%	70 - 130%	105
	TP414_0.5-0.6	SE243061.041	%	70 - 130%	105
	TP414_1.0-1.1	SE243061.042	%	70 - 130%	103
	TP415_0.1-0.2	SE243061.043	%	70 - 130%	103
	TP415_0.5-0.6	SE243061.044	%	70 - 130%	95
	TP415_1.0-1.1	SE243061.045	%	70 - 130%	105
	TP416_0.1-0.2	SE243061.046	%	70 - 130%	101
	TP416_0.5-0.6	SE243061.047	%	70 - 130%	91
	TP416_1.0-1.1	SE243061.048	%	70 - 130%	99
	TP417_0.1-0.2	SE243061.049	%	70 - 130%	91
	TP417_0.5-0.6	SE243061.050	%	70 - 130%	87
	TP417_1.0-1.1	SE243061.051	%	70 - 130%	91
	TP418_0.1-0.2	SE243061.052	%	70 - 130%	95
	TP418_0.5-0.6	SE243061.053	%	70 - 130%	88
	TP418_1.0-1.1	SE243061.054	%	70 - 130%	93
	TP419_0.1-0.2	SE243061.055	%	70 - 130%	101
	TP419_0.5-0.6	SE243061.056	%	70 - 130%	99
	TP419_1.0-1.1	SE243061.057	%	70 - 130%	126
	BH501M_0.3-0.45	SE243061.058	%	70 - 130%	98
	BH501M_1.0-1.1	SE243061.059	%	70 - 130%	117
	BH502M_0.4-0.6	SE243061.060	%	70 - 130%	113
	BH502M_1.0-1.1	SE243061.061	%	70 - 130%	94
	BH503_0.4-0.5	SE243061.062	%	70 - 130%	95
	BH503_0.9-1.0	SE243061.063	%	70 - 130%	103
	BH501M_1.5-1.6	SE243061.071	%	70 - 130%	117
	BH503M_1.5-1.6	SE243061.072	%	70 - 130%	117

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
TCMX (Surrogate)	TP401_0.1-0.2	SE243061.001	%	60 - 130%	108
	TP401_0.5-0.6	SE243061.002	%	60 - 130%	102
	TP401_1.0-1.1	SE243061.003	%	60 - 130%	103
	TP402_0.1-0.2	SE243061.004	%	60 - 130%	104
	TP402_0.5-0.6	SE243061.005	%	60 - 130%	109
	TP402_1.0-1.1	SE243061.006	%	60 - 130%	103
	TP403_0.1-0.2	SE243061.007	%	60 - 130%	103
	TP403_0.5-0.6	SE243061.008	%	60 - 130%	109
	TP403_1.0-1.1	SE243061.009	%	60 - 130%	112
	TP404_0.1-0.2	SE243061.010	%	60 - 130%	104
	TP404_0.5-0.6	SE243061.011	%	60 - 130%	102
	TP404_1.0-1.1	SE243061.012	%	60 - 130%	103
	TP405_0.1-0.2	SE243061.013	%	60 - 130%	105
	TP405_0.5-0.6	SE243061.014	%	60 - 130%	101
	TP405_1.0-1.1	SE243061.015	%	60 - 130%	111
	TP406_0.1-0.2	SE243061.016	%	60 - 130%	102
	TP406_0.5-0.6	SE243061.017	%	60 - 130%	104
	TP406_1.0-1.1	SE243061.018	%	60 - 130%	110
	TP407_0.1-0.2	SE243061.019	%	60 - 130%	103
	TP407_0.5-0.6	SE243061.020	%	60 - 130%	86
	TP407_1.0-1.1	SE243061.021	%	60 - 130%	93
	TP408_0.1-0.2	SE243061.022	%	60 - 130%	98
	TP408_0.5-0.6	SE243061.023	%	60 - 130%	89
	TP408_1.0-1.1	SE243061.024	%	60 - 130%	95
	TP409_0.1-0.2	SE243061.025	%	60 - 130%	94
	TP409_0.5-0.6	SE243061.026	%	60 - 130%	92
	TP409_1.0-1.1	SE243061.027	%	60 - 130%	88
	TP410_0.1-0.2	SE243061.028	%	60 - 130%	90

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

PCBs in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
TCMX (Surrogate)	TP410_0.5-0.6	SE243061.029	%	60 - 130%	90
	TP410_1.0-1.1	SE243061.030	%	60 - 130%	95
	TP411_0.1-0.2	SE243061.031	%	60 - 130%	86
	TP411_0.5-0.6	SE243061.032	%	60 - 130%	101
	TP411_1.0-1.1	SE243061.033	%	60 - 130%	92
	TP412_0.1-0.2	SE243061.034	%	60 - 130%	90
	TP412_0.5-0.6	SE243061.035	%	60 - 130%	83
	TP412_1.0-1.1	SE243061.036	%	60 - 130%	91
	TP413_0.1-0.2	SE243061.037	%	60 - 130%	105
	TP413_0.5-0.6	SE243061.038	%	60 - 130%	107
	TP413_1.0-1.1	SE243061.039	%	60 - 130%	122
	TP414_0.1-0.2	SE243061.040	%	60 - 130%	110
	TP414_0.5-0.6	SE243061.041	%	60 - 130%	110
	TP414_1.0-1.1	SE243061.042	%	60 - 130%	107
	TP415_0.1-0.2	SE243061.043	%	60 - 130%	112
	TP415_0.5-0.6	SE243061.044	%	60 - 130%	104
	TP415_1.0-1.1	SE243061.045	%	60 - 130%	112
	TP416_0.1-0.2	SE243061.046	%	60 - 130%	105
	TP416_0.5-0.6	SE243061.047	%	60 - 130%	113
	TP416_1.0-1.1	SE243061.048	%	60 - 130%	107
	TP417_0.1-0.2	SE243061.049	%	60 - 130%	108
	TP417_0.5-0.6	SE243061.050	%	60 - 130%	113
	TP417_1.0-1.1	SE243061.051	%	60 - 130%	106
	TP418_0.1-0.2	SE243061.052	%	60 - 130%	109
	TP418_0.5-0.6	SE243061.053	%	60 - 130%	108
	TP418_1.0-1.1	SE243061.054	%	60 - 130%	116
	TP419_0.1-0.2	SE243061.055	%	60 - 130%	115
	TP419_0.5-0.6	SE243061.056	%	60 - 130%	119
	TP419_1.0-1.1	SE243061.057	%	60 - 130%	113
	BH501M_0.3-0.45	SE243061.058	%	60 - 130%	111
	BH501M_1.0-1.1	SE243061.059	%	60 - 130%	109
	BH502M_0.4-0.6	SE243061.060	%	60 - 130%	104
	BH502M_1.0-1.1	SE243061.061	%	60 - 130%	111
	BH503_0.4-0.5	SE243061.062	%	60 - 130%	105
	BH503_0.9-1.0	SE243061.063	%	60 - 130%	105
	BH501M_1.5-1.6	SE243061.071	%	60 - 130%	122
	BH503M_1.5-1.6	SE243061.072	%	60 - 130%	120

VOC's in Soil

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	TP401_0.1-0.2	SE243061.001	%	60 - 130%	97
	TP401_0.5-0.6	SE243061.002	%	60 - 130%	98
	TP401_1.0-1.1	SE243061.003	%	60 - 130%	89
	TP402_0.1-0.2	SE243061.004	%	60 - 130%	94
	TP402_0.5-0.6	SE243061.005	%	60 - 130%	94
	TP402_1.0-1.1	SE243061.006	%	60 - 130%	90
	TP403_0.1-0.2	SE243061.007	%	60 - 130%	86
	TP403_0.5-0.6	SE243061.008	%	60 - 130%	89
	TP403_1.0-1.1	SE243061.009	%	60 - 130%	76
	TP404_0.1-0.2	SE243061.010	%	60 - 130%	96
	TP404_0.5-0.6	SE243061.011	%	60 - 130%	90
	TP404_1.0-1.1	SE243061.012	%	60 - 130%	89
	TP405_0.1-0.2	SE243061.013	%	60 - 130%	95
	TP405_0.5-0.6	SE243061.014	%	60 - 130%	94
	TP405_1.0-1.1	SE243061.015	%	60 - 130%	79
	TP406_0.1-0.2	SE243061.016	%	60 - 130%	93
	TP406_0.5-0.6	SE243061.017	%	60 - 130%	90
	TP406_1.0-1.1	SE243061.018	%	60 - 130%	92
	TP407_0.1-0.2	SE243061.019	%	60 - 130%	96
	TP407_0.5-0.6	SE243061.020	%	60 - 130%	77
	TP407_1.0-1.1	SE243061.021	%	60 - 130%	69

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

VOC's in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	TP408_0.1-0.2	SE243061.022	%	60 - 130%	85
	TP408_0.5-0.6	SE243061.023	%	60 - 130%	93
	TP408_1.0-1.1	SE243061.024	%	60 - 130%	75
	TP409_0.1-0.2	SE243061.025	%	60 - 130%	96
	TP409_0.5-0.6	SE243061.026	%	60 - 130%	88
	TP409_1.0-1.1	SE243061.027	%	60 - 130%	91
	TP410_0.1-0.2	SE243061.028	%	60 - 130%	92
	TP410_0.5-0.6	SE243061.029	%	60 - 130%	89
	TP410_1.0-1.1	SE243061.030	%	60 - 130%	73
	TP411_0.1-0.2	SE243061.031	%	60 - 130%	91
	TP411_0.5-0.6	SE243061.032	%	60 - 130%	94
	TP411_1.0-1.1	SE243061.033	%	60 - 130%	86
	TP412_0.1-0.2	SE243061.034	%	60 - 130%	86
	TP412_0.5-0.6	SE243061.035	%	60 - 130%	83
	TP412_1.0-1.1	SE243061.036	%	60 - 130%	87
	TP413_0.1-0.2	SE243061.037	%	60 - 130%	92
	TP413_0.5-0.6	SE243061.038	%	60 - 130%	92
	TP413_1.0-1.1	SE243061.039	%	60 - 130%	100
	TP414_0.1-0.2	SE243061.040	%	60 - 130%	79
	TP414_0.5-0.6	SE243061.041	%	60 - 130%	74
	TP414_1.0-1.1	SE243061.042	%	60 - 130%	77
	TP415_0.1-0.2	SE243061.043	%	60 - 130%	75
	TP415_0.5-0.6	SE243061.044	%	60 - 130%	77
	TP415_1.0-1.1	SE243061.045	%	60 - 130%	77
	TP416_0.1-0.2	SE243061.046	%	60 - 130%	77
	TP416_0.5-0.6	SE243061.047	%	60 - 130%	75
	TP416_1.0-1.1	SE243061.048	%	60 - 130%	80
	TP417_0.1-0.2	SE243061.049	%	60 - 130%	86
	TP417_0.5-0.6	SE243061.050	%	60 - 130%	80
	TP417_1.0-1.1	SE243061.051	%	60 - 130%	79
	TP418_0.1-0.2	SE243061.052	%	60 - 130%	79
	TP418_0.5-0.6	SE243061.053	%	60 - 130%	77
	TP418_1.0-1.1	SE243061.054	%	60 - 130%	69
	TP419_0.1-0.2	SE243061.055	%	60 - 130%	79
	TP419_0.5-0.6	SE243061.056	%	60 - 130%	79
	TP419_1.0-1.1	SE243061.057	%	60 - 130%	76
	BH501M_0.3-0.45	SE243061.058	%	60 - 130%	78
	BH501M_1.0-1.1	SE243061.059	%	60 - 130%	78
	BH502M_0.4-0.6	SE243061.060	%	60 - 130%	89
	BH502M_1.0-1.1	SE243061.061	%	60 - 130%	93
	BH503_0.4-0.5	SE243061.062	%	60 - 130%	96
	BH503_0.9-1.0	SE243061.063	%	60 - 130%	72
	QD1	SE243061.064	%	60 - 130%	92
	QD3	SE243061.065	%	60 - 130%	82
	QD4	SE243061.066	%	60 - 130%	95
	QD6	SE243061.067	%	60 - 130%	89
	TB	SE243061.069	%	60 - 130%	94
	TS	SE243061.070	%	60 - 130%	71
	BH501M_1.5-1.6	SE243061.071	%	60 - 130%	107
	BH503M_1.5-1.6	SE243061.072	%	60 - 130%	71
d4-1,2-dichloroethane (Surrogate)	TP401_0.1-0.2	SE243061.001	%	60 - 130%	108
	TP401_0.5-0.6	SE243061.002	%	60 - 130%	104
	TP401_1.0-1.1	SE243061.003	%	60 - 130%	99
	TP402_0.1-0.2	SE243061.004	%	60 - 130%	107
	TP402_0.5-0.6	SE243061.005	%	60 - 130%	106
	TP402_1.0-1.1	SE243061.006	%	60 - 130%	103
	TP403_0.1-0.2	SE243061.007	%	60 - 130%	101
	TP403_0.5-0.6	SE243061.008	%	60 - 130%	105
	TP403_1.0-1.1	SE243061.009	%	60 - 130%	92
	TP404_0.1-0.2	SE243061.010	%	60 - 130%	106
	TP404_0.5-0.6	SE243061.011	%	60 - 130%	106

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

VOC's in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d4-1,2-dichloroethane (Surrogate)	TP404_1.0-1.1	SE243061.012	%	60 - 130%	105
	TP405_0.1-0.2	SE243061.013	%	60 - 130%	109
	TP405_0.5-0.6	SE243061.014	%	60 - 130%	107
	TP405_1.0-1.1	SE243061.015	%	60 - 130%	94
	TP406_0.1-0.2	SE243061.016	%	60 - 130%	109
	TP406_0.5-0.6	SE243061.017	%	60 - 130%	107
	TP406_1.0-1.1	SE243061.018	%	60 - 130%	107
	TP407_0.1-0.2	SE243061.019	%	60 - 130%	111
	TP407_0.5-0.6	SE243061.020	%	60 - 130%	91
	TP407_1.0-1.1	SE243061.021	%	60 - 130%	82
	TP408_0.1-0.2	SE243061.022	%	60 - 130%	98
	TP408_0.5-0.6	SE243061.023	%	60 - 130%	104
	TP408_1.0-1.1	SE243061.024	%	60 - 130%	91
	TP409_0.1-0.2	SE243061.025	%	60 - 130%	110
	TP409_0.5-0.6	SE243061.026	%	60 - 130%	103
	TP409_1.0-1.1	SE243061.027	%	60 - 130%	106
	TP410_0.1-0.2	SE243061.028	%	60 - 130%	107
	TP410_0.5-0.6	SE243061.029	%	60 - 130%	109
	TP410_1.0-1.1	SE243061.030	%	60 - 130%	98
	TP411_0.1-0.2	SE243061.031	%	60 - 130%	108
	TP411_0.5-0.6	SE243061.032	%	60 - 130%	113
	TP411_1.0-1.1	SE243061.033	%	60 - 130%	102
	TP412_0.1-0.2	SE243061.034	%	60 - 130%	102
	TP412_0.5-0.6	SE243061.035	%	60 - 130%	96
	TP412_1.0-1.1	SE243061.036	%	60 - 130%	104
	TP413_0.1-0.2	SE243061.037	%	60 - 130%	110
	TP413_0.5-0.6	SE243061.038	%	60 - 130%	107
	TP413_1.0-1.1	SE243061.039	%	60 - 130%	111
	TP414_0.1-0.2	SE243061.040	%	60 - 130%	87
	TP414_0.5-0.6	SE243061.041	%	60 - 130%	81
	TP414_1.0-1.1	SE243061.042	%	60 - 130%	84
	TP415_0.1-0.2	SE243061.043	%	60 - 130%	84
	TP415_0.5-0.6	SE243061.044	%	60 - 130%	84
	TP415_1.0-1.1	SE243061.045	%	60 - 130%	83
	TP416_0.1-0.2	SE243061.046	%	60 - 130%	86
	TP416_0.5-0.6	SE243061.047	%	60 - 130%	85
	TP416_1.0-1.1	SE243061.048	%	60 - 130%	87
	TP417_0.1-0.2	SE243061.049	%	60 - 130%	90
	TP417_0.5-0.6	SE243061.050	%	60 - 130%	84
	TP417_1.0-1.1	SE243061.051	%	60 - 130%	86
	TP418_0.1-0.2	SE243061.052	%	60 - 130%	87
	TP418_0.5-0.6	SE243061.053	%	60 - 130%	88
	TP418_1.0-1.1	SE243061.054	%	60 - 130%	84
	TP419_0.1-0.2	SE243061.055	%	60 - 130%	87
	TP419_0.5-0.6	SE243061.056	%	60 - 130%	90
	TP419_1.0-1.1	SE243061.057	%	60 - 130%	84
	BH501M_0.3-0.45	SE243061.058	%	60 - 130%	84
	BH501M_1.0-1.1	SE243061.059	%	60 - 130%	87
	BH502M_0.4-0.6	SE243061.060	%	60 - 130%	98
	BH502M_1.0-1.1	SE243061.061	%	60 - 130%	69
	BH503_0.4-0.5	SE243061.062	%	60 - 130%	91
	BH503_0.9-1.0	SE243061.063	%	60 - 130%	82
	QD1	SE243061.064	%	60 - 130%	85
	QD3	SE243061.065	%	60 - 130%	77
	QD4	SE243061.066	%	60 - 130%	89
	QD6	SE243061.067	%	60 - 130%	97
	TB	SE243061.069	%	60 - 130%	78
	TS	SE243061.070	%	60 - 130%	91
	BH501M_1.5-1.6	SE243061.071	%	60 - 130%	119
	BH503M_1.5-1.6	SE243061.072	%	60 - 130%	72
d8-toluene (Surrogate)	TP401_0.1-0.2	SE243061.001	%	60 - 130%	95

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

VOC's in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d8-toluene (Surrogate)	TP401_0.5-0.6	SE243061.002	%	60 - 130%	90
	TP401_1.0-1.1	SE243061.003	%	60 - 130%	87
	TP402_0.1-0.2	SE243061.004	%	60 - 130%	94
	TP402_0.5-0.6	SE243061.005	%	60 - 130%	94
	TP402_1.0-1.1	SE243061.006	%	60 - 130%	90
	TP403_0.1-0.2	SE243061.007	%	60 - 130%	92
	TP403_0.5-0.6	SE243061.008	%	60 - 130%	94
	TP403_1.0-1.1	SE243061.009	%	60 - 130%	79
	TP404_0.1-0.2	SE243061.010	%	60 - 130%	95
	TP404_0.5-0.6	SE243061.011	%	60 - 130%	92
	TP404_1.0-1.1	SE243061.012	%	60 - 130%	94
	TP405_0.1-0.2	SE243061.013	%	60 - 130%	97
	TP405_0.5-0.6	SE243061.014	%	60 - 130%	94
	TP405_1.0-1.1	SE243061.015	%	60 - 130%	81
	TP406_0.1-0.2	SE243061.016	%	60 - 130%	96
	TP406_0.5-0.6	SE243061.017	%	60 - 130%	99
	TP406_1.0-1.1	SE243061.018	%	60 - 130%	93
	TP407_0.1-0.2	SE243061.019	%	60 - 130%	99
	TP407_0.5-0.6	SE243061.020	%	60 - 130%	79
	TP407_1.0-1.1	SE243061.021	%	60 - 130%	71
	TP408_0.1-0.2	SE243061.022	%	60 - 130%	88
	TP408_0.5-0.6	SE243061.023	%	60 - 130%	91
	TP408_1.0-1.1	SE243061.024	%	60 - 130%	77
	TP409_0.1-0.2	SE243061.025	%	60 - 130%	96
	TP409_0.5-0.6	SE243061.026	%	60 - 130%	90
	TP409_1.0-1.1	SE243061.027	%	60 - 130%	95
	TP410_0.1-0.2	SE243061.028	%	60 - 130%	95
	TP410_0.5-0.6	SE243061.029	%	60 - 130%	98
	TP410_1.0-1.1	SE243061.030	%	60 - 130%	82
	TP411_0.1-0.2	SE243061.031	%	60 - 130%	94
	TP411_0.5-0.6	SE243061.032	%	60 - 130%	99
	TP411_1.0-1.1	SE243061.033	%	60 - 130%	92
	TP412_0.1-0.2	SE243061.034	%	60 - 130%	95
	TP412_0.5-0.6	SE243061.035	%	60 - 130%	88
	TP412_1.0-1.1	SE243061.036	%	60 - 130%	96
	TP413_0.1-0.2	SE243061.037	%	60 - 130%	102
	TP413_0.5-0.6	SE243061.038	%	60 - 130%	99
	TP413_1.0-1.1	SE243061.039	%	60 - 130%	102
	TP414_0.1-0.2	SE243061.040	%	60 - 130%	86
	TP414_0.5-0.6	SE243061.041	%	60 - 130%	80
	TP414_1.0-1.1	SE243061.042	%	60 - 130%	83
	TP415_0.1-0.2	SE243061.043	%	60 - 130%	84
	TP415_0.5-0.6	SE243061.044	%	60 - 130%	84
	TP415_1.0-1.1	SE243061.045	%	60 - 130%	84
	TP416_0.1-0.2	SE243061.046	%	60 - 130%	86
	TP416_0.5-0.6	SE243061.047	%	60 - 130%	85
	TP416_1.0-1.1	SE243061.048	%	60 - 130%	87
	TP417_0.1-0.2	SE243061.049	%	60 - 130%	90
	TP417_0.5-0.6	SE243061.050	%	60 - 130%	84
	TP417_1.0-1.1	SE243061.051	%	60 - 130%	85
	TP418_0.1-0.2	SE243061.052	%	60 - 130%	88
	TP418_0.5-0.6	SE243061.053	%	60 - 130%	88
	TP418_1.0-1.1	SE243061.054	%	60 - 130%	84
	TP419_0.1-0.2	SE243061.055	%	60 - 130%	88
	TP419_0.5-0.6	SE243061.056	%	60 - 130%	88
	TP419_1.0-1.1	SE243061.057	%	60 - 130%	84
	BH501M_0.3-0.45	SE243061.058	%	60 - 130%	85
	BH501M_1.0-1.1	SE243061.059	%	60 - 130%	91
	BH502M_0.4-0.6	SE243061.060	%	60 - 130%	99
	BH502M_1.0-1.1	SE243061.061	%	60 - 130%	88
	BH503_0.4-0.5	SE243061.062	%	60 - 130%	94

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d8-toluene (Surrogate)	BH503_0.9-1.0	SE243061.063	%	60 - 130%	86
	QD1	SE243061.064	%	60 - 130%	88
	QD3	SE243061.065	%	60 - 130%	83
	QD4	SE243061.066	%	60 - 130%	91
	QD6	SE243061.067	%	60 - 130%	101
	TB	SE243061.069	%	60 - 130%	90
	TS	SE243061.070	%	60 - 130%	93
	BH501M_1.5-1.6	SE243061.071	%	60 - 130%	112
	BH503M_1.5-1.6	SE243061.072	%	60 - 130%	79

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	QR	SE243061.068	%	40 - 130%	90
d4-1,2-dichloroethane (Surrogate)	QR	SE243061.068	%	40 - 130%	91
d8-toluene (Surrogate)	QR	SE243061.068	%	40 - 130%	96

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	TP401_0.1-0.2	SE243061.001	%	60 - 130%	97
	TP401_0.5-0.6	SE243061.002	%	60 - 130%	98
	TP401_1.0-1.1	SE243061.003	%	60 - 130%	89
	TP402_0.1-0.2	SE243061.004	%	60 - 130%	94
	TP402_0.5-0.6	SE243061.005	%	60 - 130%	94
	TP402_1.0-1.1	SE243061.006	%	60 - 130%	90
	TP403_0.1-0.2	SE243061.007	%	60 - 130%	86
	TP403_0.5-0.6	SE243061.008	%	60 - 130%	89
	TP403_1.0-1.1	SE243061.009	%	60 - 130%	76
	TP404_0.1-0.2	SE243061.010	%	60 - 130%	96
	TP404_0.5-0.6	SE243061.011	%	60 - 130%	90
	TP404_1.0-1.1	SE243061.012	%	60 - 130%	89
	TP405_0.1-0.2	SE243061.013	%	60 - 130%	95
	TP405_0.5-0.6	SE243061.014	%	60 - 130%	94
	TP405_1.0-1.1	SE243061.015	%	60 - 130%	79
	TP406_0.1-0.2	SE243061.016	%	60 - 130%	93
	TP406_0.5-0.6	SE243061.017	%	60 - 130%	90
	TP406_1.0-1.1	SE243061.018	%	60 - 130%	92
	TP407_0.1-0.2	SE243061.019	%	60 - 130%	96
	TP407_0.5-0.6	SE243061.020	%	60 - 130%	77
	TP407_1.0-1.1	SE243061.021	%	60 - 130%	69
	TP408_0.1-0.2	SE243061.022	%	60 - 130%	85
	TP408_0.5-0.6	SE243061.023	%	60 - 130%	93
	TP408_1.0-1.1	SE243061.024	%	60 - 130%	75
	TP409_0.1-0.2	SE243061.025	%	60 - 130%	96
	TP409_0.5-0.6	SE243061.026	%	60 - 130%	88
	TP409_1.0-1.1	SE243061.027	%	60 - 130%	91
	TP410_0.1-0.2	SE243061.028	%	60 - 130%	92
	TP410_0.5-0.6	SE243061.029	%	60 - 130%	89
	TP410_1.0-1.1	SE243061.030	%	60 - 130%	73
	TP411_0.1-0.2	SE243061.031	%	60 - 130%	91
	TP411_0.5-0.6	SE243061.032	%	60 - 130%	94
	TP411_1.0-1.1	SE243061.033	%	60 - 130%	86
	TP412_0.1-0.2	SE243061.034	%	60 - 130%	86
	TP412_0.5-0.6	SE243061.035	%	60 - 130%	83
	TP412_1.0-1.1	SE243061.036	%	60 - 130%	87
	TP413_0.1-0.2	SE243061.037	%	60 - 130%	92
	TP413_0.5-0.6	SE243061.038	%	60 - 130%	92
	TP413_1.0-1.1	SE243061.039	%	60 - 130%	100
	TP414_0.1-0.2	SE243061.040	%	60 - 130%	79
	TP414_0.5-0.6	SE243061.041	%	60 - 130%	74
	TP414_1.0-1.1	SE243061.042	%	60 - 130%	77
	TP415_0.1-0.2	SE243061.043	%	60 - 130%	75
	TP415_0.5-0.6	SE243061.044	%	60 - 130%	77

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	TP415_1.0-1.1	SE243061.045	%	60 - 130%	77
	TP416_0.1-0.2	SE243061.046	%	60 - 130%	77
	TP416_0.5-0.6	SE243061.047	%	60 - 130%	75
	TP416_1.0-1.1	SE243061.048	%	60 - 130%	80
	TP417_0.1-0.2	SE243061.049	%	60 - 130%	86
	TP417_0.5-0.6	SE243061.050	%	60 - 130%	80
	TP417_1.0-1.1	SE243061.051	%	60 - 130%	79
	TP418_0.1-0.2	SE243061.052	%	60 - 130%	79
	TP418_0.5-0.6	SE243061.053	%	60 - 130%	77
	TP418_1.0-1.1	SE243061.054	%	60 - 130%	69
	TP419_0.1-0.2	SE243061.055	%	60 - 130%	79
	TP419_0.5-0.6	SE243061.056	%	60 - 130%	79
	TP419_1.0-1.1	SE243061.057	%	60 - 130%	76
	BH501M_0.3-0.45	SE243061.058	%	60 - 130%	78
	BH501M_1.0-1.1	SE243061.059	%	60 - 130%	78
	BH502M_0.4-0.6	SE243061.060	%	60 - 130%	89
	BH502M_1.0-1.1	SE243061.061	%	60 - 130%	93
	BH503_0.4-0.5	SE243061.062	%	60 - 130%	96
	BH503_0.9-1.0	SE243061.063	%	60 - 130%	72
	QD1	SE243061.064	%	60 - 130%	92
	QD3	SE243061.065	%	60 - 130%	82
	QD4	SE243061.066	%	60 - 130%	95
	QD6	SE243061.067	%	60 - 130%	89
	BH501M_1.5-1.6	SE243061.071	%	60 - 130%	107
	BH503M_1.5-1.6	SE243061.072	%	60 - 130%	71
d4-1,2-dichloroethane (Surrogate)	TP401_0.1-0.2	SE243061.001	%	60 - 130%	108
	TP401_0.5-0.6	SE243061.002	%	60 - 130%	104
	TP401_1.0-1.1	SE243061.003	%	60 - 130%	99
	TP402_0.1-0.2	SE243061.004	%	60 - 130%	107
	TP402_0.5-0.6	SE243061.005	%	60 - 130%	106
	TP402_1.0-1.1	SE243061.006	%	60 - 130%	103
	TP403_0.1-0.2	SE243061.007	%	60 - 130%	101
	TP403_0.5-0.6	SE243061.008	%	60 - 130%	105
	TP403_1.0-1.1	SE243061.009	%	60 - 130%	92
	TP404_0.1-0.2	SE243061.010	%	60 - 130%	106
	TP404_0.5-0.6	SE243061.011	%	60 - 130%	106
	TP404_1.0-1.1	SE243061.012	%	60 - 130%	105
	TP405_0.1-0.2	SE243061.013	%	60 - 130%	109
	TP405_0.5-0.6	SE243061.014	%	60 - 130%	107
	TP405_1.0-1.1	SE243061.015	%	60 - 130%	94
	TP406_0.1-0.2	SE243061.016	%	60 - 130%	109
	TP406_0.5-0.6	SE243061.017	%	60 - 130%	107
	TP406_1.0-1.1	SE243061.018	%	60 - 130%	107
	TP407_0.1-0.2	SE243061.019	%	60 - 130%	111
	TP407_0.5-0.6	SE243061.020	%	60 - 130%	91
	TP407_1.0-1.1	SE243061.021	%	60 - 130%	82
	TP408_0.1-0.2	SE243061.022	%	60 - 130%	98
	TP408_0.5-0.6	SE243061.023	%	60 - 130%	104
	TP408_1.0-1.1	SE243061.024	%	60 - 130%	91
	TP409_0.1-0.2	SE243061.025	%	60 - 130%	110
	TP409_0.5-0.6	SE243061.026	%	60 - 130%	103
	TP409_1.0-1.1	SE243061.027	%	60 - 130%	106
	TP410_0.1-0.2	SE243061.028	%	60 - 130%	107
	TP410_0.5-0.6	SE243061.029	%	60 - 130%	109
	TP410_1.0-1.1	SE243061.030	%	60 - 130%	98
	TP411_0.1-0.2	SE243061.031	%	60 - 130%	108
	TP411_0.5-0.6	SE243061.032	%	60 - 130%	113
	TP411_1.0-1.1	SE243061.033	%	60 - 130%	102
	TP412_0.1-0.2	SE243061.034	%	60 - 130%	102
	TP412_0.5-0.6	SE243061.035	%	60 - 130%	96
	TP412_1.0-1.1	SE243061.036	%	60 - 130%	104

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d4-1,2-dichloroethane (Surrogate)	TP413_0.1-0.2	SE243061.037	%	60 - 130%	110
	TP413_0.5-0.6	SE243061.038	%	60 - 130%	107
	TP413_1.0-1.1	SE243061.039	%	60 - 130%	111
	TP414_0.1-0.2	SE243061.040	%	60 - 130%	87
	TP414_0.5-0.6	SE243061.041	%	60 - 130%	81
	TP414_1.0-1.1	SE243061.042	%	60 - 130%	84
	TP415_0.1-0.2	SE243061.043	%	60 - 130%	84
	TP415_0.5-0.6	SE243061.044	%	60 - 130%	84
	TP415_1.0-1.1	SE243061.045	%	60 - 130%	83
	TP416_0.1-0.2	SE243061.046	%	60 - 130%	86
	TP416_0.5-0.6	SE243061.047	%	60 - 130%	85
	TP416_1.0-1.1	SE243061.048	%	60 - 130%	87
	TP417_0.1-0.2	SE243061.049	%	60 - 130%	90
	TP417_0.5-0.6	SE243061.050	%	60 - 130%	84
	TP417_1.0-1.1	SE243061.051	%	60 - 130%	86
	TP418_0.1-0.2	SE243061.052	%	60 - 130%	87
	TP418_0.5-0.6	SE243061.053	%	60 - 130%	88
	TP418_1.0-1.1	SE243061.054	%	60 - 130%	84
	TP419_0.1-0.2	SE243061.055	%	60 - 130%	87
	TP419_0.5-0.6	SE243061.056	%	60 - 130%	90
	TP419_1.0-1.1	SE243061.057	%	60 - 130%	84
	BH501M_0.3-0.45	SE243061.058	%	60 - 130%	84
	BH501M_1.0-1.1	SE243061.059	%	60 - 130%	87
	BH502M_0.4-0.6	SE243061.060	%	60 - 130%	98
	BH502M_1.0-1.1	SE243061.061	%	60 - 130%	69
	BH503_0.4-0.5	SE243061.062	%	60 - 130%	91
	BH503_0.9-1.0	SE243061.063	%	60 - 130%	82
	QD1	SE243061.064	%	60 - 130%	85
	QD3	SE243061.065	%	60 - 130%	77
	QD4	SE243061.066	%	60 - 130%	89
	QD6	SE243061.067	%	60 - 130%	97
	BH501M_1.5-1.6	SE243061.071	%	60 - 130%	119
	BH503M_1.5-1.6	SE243061.072	%	60 - 130%	72
d8-toluene (Surrogate)	TP401_0.1-0.2	SE243061.001	%	60 - 130%	95
	TP401_0.5-0.6	SE243061.002	%	60 - 130%	90
	TP401_1.0-1.1	SE243061.003	%	60 - 130%	87
	TP402_0.1-0.2	SE243061.004	%	60 - 130%	94
	TP402_0.5-0.6	SE243061.005	%	60 - 130%	94
	TP402_1.0-1.1	SE243061.006	%	60 - 130%	90
	TP403_0.1-0.2	SE243061.007	%	60 - 130%	92
	TP403_0.5-0.6	SE243061.008	%	60 - 130%	94
	TP403_1.0-1.1	SE243061.009	%	60 - 130%	79
	TP404_0.1-0.2	SE243061.010	%	60 - 130%	95
	TP404_0.5-0.6	SE243061.011	%	60 - 130%	92
	TP404_1.0-1.1	SE243061.012	%	60 - 130%	94
	TP405_0.1-0.2	SE243061.013	%	60 - 130%	97
	TP405_0.5-0.6	SE243061.014	%	60 - 130%	94
	TP405_1.0-1.1	SE243061.015	%	60 - 130%	81
	TP406_0.1-0.2	SE243061.016	%	60 - 130%	96
	TP406_0.5-0.6	SE243061.017	%	60 - 130%	99
	TP406_1.0-1.1	SE243061.018	%	60 - 130%	93
	TP407_0.1-0.2	SE243061.019	%	60 - 130%	99
	TP407_0.5-0.6	SE243061.020	%	60 - 130%	79
	TP407_1.0-1.1	SE243061.021	%	60 - 130%	71
	TP408_0.1-0.2	SE243061.022	%	60 - 130%	88
	TP408_0.5-0.6	SE243061.023	%	60 - 130%	91
	TP408_1.0-1.1	SE243061.024	%	60 - 130%	77
	TP409_0.1-0.2	SE243061.025	%	60 - 130%	96
	TP409_0.5-0.6	SE243061.026	%	60 - 130%	90
	TP409_1.0-1.1	SE243061.027	%	60 - 130%	95
	TP410_0.1-0.2	SE243061.028	%	60 - 130%	95

Surrogate results are evaluated against upper and lower limit criteria established in the SGS QA/QC plan (Ref: MP-(AU)-[ENV]QU-022). At least two of three routine level soil sample surrogate spike recoveries for BTEX/VOC are to be within 70-130% where control charts have not been developed and within the established control limits for charted surrogates. Matrix effects may void this as an acceptance criterion. Water sample surrogate spike recoveries are to be within 40-130%. The presence of emulsions, surfactants and particulates may void this as an acceptance criterion.

Result is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
d8-toluene (Surrogate)	TP410_0.5-0.6	SE243061.029	%	60 - 130%	98
	TP410_1.0-1.1	SE243061.030	%	60 - 130%	82
	TP411_0.1-0.2	SE243061.031	%	60 - 130%	94
	TP411_0.5-0.6	SE243061.032	%	60 - 130%	99
	TP411_1.0-1.1	SE243061.033	%	60 - 130%	92
	TP412_0.1-0.2	SE243061.034	%	60 - 130%	95
	TP412_0.5-0.6	SE243061.035	%	60 - 130%	88
	TP412_1.0-1.1	SE243061.036	%	60 - 130%	96
	TP413_0.1-0.2	SE243061.037	%	60 - 130%	102
	TP413_0.5-0.6	SE243061.038	%	60 - 130%	99
	TP413_1.0-1.1	SE243061.039	%	60 - 130%	102
	TP414_0.1-0.2	SE243061.040	%	60 - 130%	86
	TP414_0.5-0.6	SE243061.041	%	60 - 130%	80
	TP414_1.0-1.1	SE243061.042	%	60 - 130%	83
	TP415_0.1-0.2	SE243061.043	%	60 - 130%	84
	TP415_0.5-0.6	SE243061.044	%	60 - 130%	84
	TP415_1.0-1.1	SE243061.045	%	60 - 130%	84
	TP416_0.1-0.2	SE243061.046	%	60 - 130%	86
	TP416_0.5-0.6	SE243061.047	%	60 - 130%	85
	TP416_1.0-1.1	SE243061.048	%	60 - 130%	87
	TP417_0.1-0.2	SE243061.049	%	60 - 130%	90
	TP417_0.5-0.6	SE243061.050	%	60 - 130%	84
	TP417_1.0-1.1	SE243061.051	%	60 - 130%	85
	TP418_0.1-0.2	SE243061.052	%	60 - 130%	88
	TP418_0.5-0.6	SE243061.053	%	60 - 130%	88
	TP418_1.0-1.1	SE243061.054	%	60 - 130%	84
	TP419_0.1-0.2	SE243061.055	%	60 - 130%	88
	TP419_0.5-0.6	SE243061.056	%	60 - 130%	88
	TP419_1.0-1.1	SE243061.057	%	60 - 130%	84
	BH501M_0.3-0.45	SE243061.058	%	60 - 130%	85
	BH501M_1.0-1.1	SE243061.059	%	60 - 130%	91
	BH502M_0.4-0.6	SE243061.060	%	60 - 130%	99
	BH502M_1.0-1.1	SE243061.061	%	60 - 130%	88
	BH503_0.4-0.5	SE243061.062	%	60 - 130%	94
	BH503_0.9-1.0	SE243061.063	%	60 - 130%	86
	QD1	SE243061.064	%	60 - 130%	88
	QD3	SE243061.065	%	60 - 130%	83
	QD4	SE243061.066	%	60 - 130%	91
	QD6	SE243061.067	%	60 - 130%	101
	BH501M_1.5-1.6	SE243061.071	%	60 - 130%	112
	BH503M_1.5-1.6	SE243061.072	%	60 - 130%	79

Volatile Petroleum Hydrocarbons in Water — **Method: ME-(AU)-[ENV]AN433**

Parameter	Sample Name	Sample Number	Units	Criteria	Recovery %
Bromofluorobenzene (Surrogate)	QR	SE243061.068	%	40 - 130%	90
d4-1,2-dichloroethane (Surrogate)	QR	SE243061.068	%	60 - 130%	91
d8-toluene (Surrogate)	QR	SE243061.068	%	40 - 130%	96

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Mercury (dissolved) in Water

Method: ME-(AU)-[ENV]AN311(Perth)/AN312

Sample Number	Parameter	Units	LOR	Result
LB271447.001	Mercury	mg/L	0.0001	<0.0001

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Sample Number	Parameter	Units	LOR	Result
LB271525.001	Mercury	mg/kg	0.05	<0.05
LB271526.001	Mercury	mg/kg	0.05	<0.05
LB271528.001	Mercury	mg/kg	0.05	<0.05
LB271551.001	Mercury	mg/kg	0.05	<0.05

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB271471.001		Alpha BHC	mg/kg	0.1	<0.1
		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1
		Beta BHC	mg/kg	0.1	<0.1
		Lindane (gamma BHC)	mg/kg	0.1	<0.1
		Delta BHC	mg/kg	0.1	<0.1
		Heptachlor	mg/kg	0.1	<0.1
		Aldrin	mg/kg	0.1	<0.1
		Isodrin	mg/kg	0.1	<0.1
		Heptachlor epoxide	mg/kg	0.1	<0.1
		Gamma Chlordane	mg/kg	0.1	<0.1
		Alpha Chlordane	mg/kg	0.1	<0.1
		Alpha Endosulfan	mg/kg	0.2	<0.1
		p,p'-DDE	mg/kg	0.1	<0.1
		Dieldrin	mg/kg	0.2	<0.1
		Endrin	mg/kg	0.2	<0.1
		Beta Endosulfan	mg/kg	0.2	<0.1
		p,p'-DDD	mg/kg	0.1	<0.1
		Endrin aldehyde	mg/kg	0.1	<0.1
		Endosulfan sulphate	mg/kg	0.1	<0.1
		p,p'-DDT	mg/kg	0.1	<0.1
		Endrin ketone	mg/kg	0.1	<0.1
		Methoxychlor	mg/kg	0.1	<0.1
		Mirex	mg/kg	0.1	<0.1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	97
LB271490.001		Alpha BHC	mg/kg	0.1	<0.1
		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1
		Beta BHC	mg/kg	0.1	<0.1
		Lindane (gamma BHC)	mg/kg	0.1	<0.1
		Delta BHC	mg/kg	0.1	<0.1
		Heptachlor	mg/kg	0.1	<0.1
		Aldrin	mg/kg	0.1	<0.1
		Isodrin	mg/kg	0.1	<0.1
		Heptachlor epoxide	mg/kg	0.1	<0.1
		Gamma Chlordane	mg/kg	0.1	<0.1
		Alpha Chlordane	mg/kg	0.1	<0.1
		Alpha Endosulfan	mg/kg	0.2	<0.1
		p,p'-DDE	mg/kg	0.1	<0.1
		Dieldrin	mg/kg	0.2	<0.1
		Endrin	mg/kg	0.2	<0.1
		Beta Endosulfan	mg/kg	0.2	<0.1
		p,p'-DDD	mg/kg	0.1	<0.1
		Endrin aldehyde	mg/kg	0.1	<0.1
		Endosulfan sulphate	mg/kg	0.1	<0.1
		p,p'-DDT	mg/kg	0.1	<0.1
		Endrin ketone	mg/kg	0.1	<0.1
		Methoxychlor	mg/kg	0.1	<0.1
		Mirex	mg/kg	0.1	<0.1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	89
LB271491.001		Alpha BHC	mg/kg	0.1	<0.1

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

OC Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB271491.001		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1
		Beta BHC	mg/kg	0.1	<0.1
		Lindane (gamma BHC)	mg/kg	0.1	<0.1
		Delta BHC	mg/kg	0.1	<0.1
		Heptachlor	mg/kg	0.1	<0.1
		Aldrin	mg/kg	0.1	<0.1
		Isodrin	mg/kg	0.1	<0.1
		Heptachlor epoxide	mg/kg	0.1	<0.1
		Gamma Chlordane	mg/kg	0.1	<0.1
		Alpha Chlordane	mg/kg	0.1	<0.1
		Alpha Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDE	mg/kg	0.1	<0.1
		Dieldrin	mg/kg	0.2	<0.2
		Endrin	mg/kg	0.2	<0.2
		Beta Endosulfan	mg/kg	0.2	<0.2
		p,p'-DDD	mg/kg	0.1	<0.1
		Endrin aldehyde	mg/kg	0.1	<0.1
		Endosulfan sulphate	mg/kg	0.1	<0.1
		p,p'-DDT	mg/kg	0.1	<0.1
		Endrin ketone	mg/kg	0.1	<0.1
		Methoxychlor	mg/kg	0.1	<0.1
		Mirex	mg/kg	0.1	<0.1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	96
LB271508.001		Alpha BHC	mg/kg	0.1	<0.1
		Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1
		Beta BHC	mg/kg	0.1	<0.1
		Lindane (gamma BHC)	mg/kg	0.1	<0.1
		Delta BHC	mg/kg	0.1	<0.1
		Heptachlor	mg/kg	0.1	<0.1
		Aldrin	mg/kg	0.1	<0.1
		Isodrin	mg/kg	0.1	<0.1
		Heptachlor epoxide	mg/kg	0.1	<0.1
		Gamma Chlordane	mg/kg	0.1	<0.1
		Alpha Chlordane	mg/kg	0.1	<0.1
		Alpha Endosulfan	mg/kg	0.2	<0.1
		p,p'-DDE	mg/kg	0.1	<0.1
		Dieldrin	mg/kg	0.2	<0.1
		Endrin	mg/kg	0.2	<0.1
		Beta Endosulfan	mg/kg	0.2	<0.1
		p,p'-DDD	mg/kg	0.1	<0.1
		Endrin aldehyde	mg/kg	0.1	<0.1
		Endosulfan sulphate	mg/kg	0.1	<0.1
		p,p'-DDT	mg/kg	0.1	<0.1
		Endrin ketone	mg/kg	0.1	<0.1
		Methoxychlor	mg/kg	0.1	<0.1
		Mirex	mg/kg	0.1	<0.1
	Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	%	-	95

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number	Parameter	Units	LOR	Result
LB271471.001	Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2
	Bromophos Ethyl	mg/kg	0.2	<0.2
	Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2
	Diazinon (Dimpylate)	mg/kg	0.5	<0.5
	Dichlorvos	mg/kg	0.5	<0.5
	Dimethoate	mg/kg	0.5	<0.5
	Ethion	mg/kg	0.2	<0.2
	Fenitrothion	mg/kg	0.2	<0.2
	Malathion	mg/kg	0.2	<0.2
	Methidathion	mg/kg	0.5	<0.5
	Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

OP Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB271471.001	Surrogates	2-fluorobiphenyl (Surrogate)	%	-	86
		d14-p-terphenyl (Surrogate)	%	-	91
LB271490.001		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2
		Bromophos Ethyl	mg/kg	0.2	<0.2
		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2
		Diazinon (Dimpylate)	mg/kg	0.5	<0.5
		Dichlorvos	mg/kg	0.5	<0.5
		Dimethoate	mg/kg	0.5	<0.5
		Ethion	mg/kg	0.2	<0.2
		Fenitrothion	mg/kg	0.2	<0.2
		Malathion	mg/kg	0.2	<0.2
		Methidathion	mg/kg	0.5	<0.5
		Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2
	Surrogates	2-fluorobiphenyl (Surrogate)	%	-	82
		d14-p-terphenyl (Surrogate)	%	-	89
LB271491.001		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2
		Bromophos Ethyl	mg/kg	0.2	<0.2
		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2
		Diazinon (Dimpylate)	mg/kg	0.5	<0.5
		Dichlorvos	mg/kg	0.5	<0.5
		Dimethoate	mg/kg	0.5	<0.5
		Ethion	mg/kg	0.2	<0.2
		Fenitrothion	mg/kg	0.2	<0.2
		Malathion	mg/kg	0.2	<0.2
		Methidathion	mg/kg	0.5	<0.5
		Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2
	Surrogates	2-fluorobiphenyl (Surrogate)	%	-	85
		d14-p-terphenyl (Surrogate)	%	-	90
LB271508.001		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2
		Bromophos Ethyl	mg/kg	0.2	<0.2
		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2
		Diazinon (Dimpylate)	mg/kg	0.5	<0.5
		Dichlorvos	mg/kg	0.5	<0.5
		Dimethoate	mg/kg	0.5	<0.5
		Ethion	mg/kg	0.2	<0.2
		Fenitrothion	mg/kg	0.2	<0.2
		Malathion	mg/kg	0.2	<0.2
		Methidathion	mg/kg	0.5	<0.5
		Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2
	Surrogates	2-fluorobiphenyl (Surrogate)	%	-	79
		d14-p-terphenyl (Surrogate)	%	-	84

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number	Parameter	Units	LOR	Result
LB271471.001	Naphthalene	mg/kg	0.1	<0.1
	2-methylnaphthalene	mg/kg	0.1	<0.1
	1-methylnaphthalene	mg/kg	0.1	<0.1
	Acenaphthylene	mg/kg	0.1	<0.1
	Acenaphthene	mg/kg	0.1	<0.1
	Fluorene	mg/kg	0.1	<0.1
	Phenanthrene	mg/kg	0.1	<0.1
	Anthracene	mg/kg	0.1	<0.1
	Fluoranthene	mg/kg	0.1	<0.1
	Pyrene	mg/kg	0.1	<0.1
	Benzo(a)anthracene	mg/kg	0.1	<0.1
	Chrysene	mg/kg	0.1	<0.1
	Benzo(a)pyrene	mg/kg	0.1	<0.1
	Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1
	Dibenzo(ah)anthracene	mg/kg	0.1	<0.1
	Benzo(ghi)perylene	mg/kg	0.1	<0.1
	Total PAH (18)	mg/kg	0.8	<0.1

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Sample Number		Parameter	Units	LOR	Result
LB271471.001	Surrogates	d5-nitrobenzene (Surrogate)	%	-	101
		2-fluorobiphenyl (Surrogate)	%	-	86
		d14-p-terphenyl (Surrogate)	%	-	91
LB271490.001		Naphthalene	mg/kg	0.1	<0.1
		2-methylnaphthalene	mg/kg	0.1	<0.1
		1-methylnaphthalene	mg/kg	0.1	<0.1
		Acenaphthylene	mg/kg	0.1	<0.1
		Acenaphthene	mg/kg	0.1	<0.1
		Fluorene	mg/kg	0.1	<0.1
		Phenanthrene	mg/kg	0.1	<0.1
		Anthracene	mg/kg	0.1	<0.1
		Fluoranthene	mg/kg	0.1	<0.1
		Pyrene	mg/kg	0.1	<0.1
		Benzo(a)anthracene	mg/kg	0.1	<0.1
		Chrysene	mg/kg	0.1	<0.1
		Benzo(a)pyrene	mg/kg	0.1	<0.1
		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1
		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1
		Benzo(ghi)perylene	mg/kg	0.1	<0.1
		Total PAH (18)	mg/kg	0.8	<0.1
	Surrogates	d5-nitrobenzene (Surrogate)	%	-	95
		2-fluorobiphenyl (Surrogate)	%	-	82
		d14-p-terphenyl (Surrogate)	%	-	89
LB271491.001		Naphthalene	mg/kg	0.1	<0.1
		2-methylnaphthalene	mg/kg	0.1	<0.1
		1-methylnaphthalene	mg/kg	0.1	<0.1
		Acenaphthylene	mg/kg	0.1	<0.1
		Acenaphthene	mg/kg	0.1	<0.1
		Fluorene	mg/kg	0.1	<0.1
		Phenanthrene	mg/kg	0.1	<0.1
		Anthracene	mg/kg	0.1	<0.1
		Fluoranthene	mg/kg	0.1	<0.1
		Pyrene	mg/kg	0.1	<0.1
		Benzo(a)anthracene	mg/kg	0.1	<0.1
		Chrysene	mg/kg	0.1	<0.1
		Benzo(a)pyrene	mg/kg	0.1	<0.1
		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1
		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1
		Benzo(ghi)perylene	mg/kg	0.1	<0.1
		Total PAH (18)	mg/kg	0.8	<0.1
	Surrogates	d5-nitrobenzene (Surrogate)	%	-	100
		2-fluorobiphenyl (Surrogate)	%	-	85
		d14-p-terphenyl (Surrogate)	%	-	90
LB271508.001		Naphthalene	mg/kg	0.1	<0.1
		2-methylnaphthalene	mg/kg	0.1	<0.1
		1-methylnaphthalene	mg/kg	0.1	<0.1
		Acenaphthylene	mg/kg	0.1	<0.1
		Acenaphthene	mg/kg	0.1	<0.1
		Fluorene	mg/kg	0.1	<0.1
		Phenanthrene	mg/kg	0.1	<0.1
		Anthracene	mg/kg	0.1	<0.1
		Fluoranthene	mg/kg	0.1	<0.1
		Pyrene	mg/kg	0.1	<0.1
		Benzo(a)anthracene	mg/kg	0.1	<0.1
		Chrysene	mg/kg	0.1	<0.1
		Benzo(a)pyrene	mg/kg	0.1	<0.1
		Indeno(1,2,3-cd)pyrene	mg/kg	0.1	<0.1
		Dibenzo(ah)anthracene	mg/kg	0.1	<0.1
		Benzo(ghi)perylene	mg/kg	0.1	<0.1
		Total PAH (18)	mg/kg	0.8	<0.1
	Surrogates	d5-nitrobenzene (Surrogate)	%	-	92

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PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB271508.001	Surrogates	2-fluorobiphenyl (Surrogate)	%	-	79
		d14-p-terphenyl (Surrogate)	%	-	84

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Sample Number		Parameter	Units	LOR	Result
LB271471.001		Arochlor 1016	mg/kg	0.2	<0.2
		Arochlor 1221	mg/kg	0.2	<0.2
		Arochlor 1232	mg/kg	0.2	<0.2
		Arochlor 1242	mg/kg	0.2	<0.2
		Arochlor 1248	mg/kg	0.2	<0.2
		Arochlor 1254	mg/kg	0.2	<0.2
		Arochlor 1260	mg/kg	0.2	<0.2
		Arochlor 1262	mg/kg	0.2	<0.2
		Arochlor 1268	mg/kg	0.2	<0.2
		Total PCBs (Arochlors)	mg/kg	1	<1
	Surrogates	TCMX (Surrogate)	%	-	103
LB271490.001		Arochlor 1016	mg/kg	0.2	<0.2
		Arochlor 1221	mg/kg	0.2	<0.2
		Arochlor 1232	mg/kg	0.2	<0.2
		Arochlor 1242	mg/kg	0.2	<0.2
		Arochlor 1248	mg/kg	0.2	<0.2
		Arochlor 1254	mg/kg	0.2	<0.2
		Arochlor 1260	mg/kg	0.2	<0.2
		Arochlor 1262	mg/kg	0.2	<0.2
		Arochlor 1268	mg/kg	0.2	<0.2
		Total PCBs (Arochlors)	mg/kg	1	<1
	Surrogates	TCMX (Surrogate)	%	-	88
LB271491.001		Arochlor 1016	mg/kg	0.2	<0.2
		Arochlor 1221	mg/kg	0.2	<0.2
		Arochlor 1232	mg/kg	0.2	<0.2
		Arochlor 1242	mg/kg	0.2	<0.2
		Arochlor 1248	mg/kg	0.2	<0.2
		Arochlor 1254	mg/kg	0.2	<0.2
		Arochlor 1260	mg/kg	0.2	<0.2
		Arochlor 1262	mg/kg	0.2	<0.2
		Arochlor 1268	mg/kg	0.2	<0.2
		Total PCBs (Arochlors)	mg/kg	1	<1
	Surrogates	TCMX (Surrogate)	%	-	98
LB271508.001		Arochlor 1016	mg/kg	0.2	<0.2
		Arochlor 1221	mg/kg	0.2	<0.2
		Arochlor 1232	mg/kg	0.2	<0.2
		Arochlor 1242	mg/kg	0.2	<0.2
		Arochlor 1248	mg/kg	0.2	<0.2
		Arochlor 1254	mg/kg	0.2	<0.2
		Arochlor 1260	mg/kg	0.2	<0.2
		Arochlor 1262	mg/kg	0.2	<0.2
		Arochlor 1268	mg/kg	0.2	<0.2
		Total PCBs (Arochlors)	mg/kg	1	<1
	Surrogates	TCMX (Surrogate)	%	-	96

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Sample Number	Parameter	Units	LOR	Result
LB271520.001	Arsenic, As	mg/kg	1	<1
	Cadmium, Cd	mg/kg	0.3	<0.3
	Chromium, Cr	mg/kg	0.5	<0.5
	Copper, Cu	mg/kg	0.5	<0.5
	Nickel, Ni	mg/kg	0.5	<0.5
	Lead, Pb	mg/kg	1	<1
	Zinc, Zn	mg/kg	2	<2.0
LB271521.001	Arsenic, As	mg/kg	1	<1
	Cadmium, Cd	mg/kg	0.3	<0.3
	Chromium, Cr	mg/kg	0.5	<0.5

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Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES (continued) — Method: ME-(AU)-[ENV]AN040/AN320

Sample Number	Parameter	Units	LOR	Result
LB271521.001	Copper, Cu	mg/kg	0.5	<0.5
	Nickel, Ni	mg/kg	0.5	<0.5
	Lead, Pb	mg/kg	1	<1
	Zinc, Zn	mg/kg	2	<2.0
LB271522.001	Arsenic, As	mg/kg	1	<1
	Cadmium, Cd	mg/kg	0.3	<0.3
	Chromium, Cr	mg/kg	0.5	<0.5
	Copper, Cu	mg/kg	0.5	<0.5
	Nickel, Ni	mg/kg	0.5	<0.5
	Lead, Pb	mg/kg	1	<1
	Zinc, Zn	mg/kg	2	<2.0
LB271545.001	Arsenic, As	mg/kg	1	<1
	Cadmium, Cd	mg/kg	0.3	<0.3
	Chromium, Cr	mg/kg	0.5	<0.5
	Copper, Cu	mg/kg	0.5	<0.5
	Nickel, Ni	mg/kg	0.5	<0.5
	Lead, Pb	mg/kg	1	<1
	Zinc, Zn	mg/kg	2	<2.0

Trace Metals (Dissolved) in Water by ICPMS — Method: ME-(AU)-[ENV]AN318

Sample Number	Parameter	Units	LOR	Result
LB271420.001	Arsenic	µg/L	1	<1
	Cadmium	µg/L	0.1	<0.1
	Chromium	µg/L	1	<1
	Copper	µg/L	1	<1
	Lead	µg/L	1	<1
	Nickel	µg/L	1	<1
	Zinc	µg/L	5	<5

TRH (Total Recoverable Hydrocarbons) in Soil — Method: ME-(AU)-[ENV]AN403

Sample Number	Parameter	Units	LOR	Result
LB271471.001	TRH C10-C14	mg/kg	20	<20
	TRH C15-C28	mg/kg	45	<45
	TRH C29-C36	mg/kg	45	<45
	TRH C37-C40	mg/kg	100	<100
	TRH C10-C36 Total	mg/kg	110	<110
LB271490.001	TRH C10-C14	mg/kg	20	<20
	TRH C15-C28	mg/kg	45	<45
	TRH C29-C36	mg/kg	45	<45
	TRH C37-C40	mg/kg	100	<100
	TRH C10-C36 Total	mg/kg	110	<110
LB271491.001	TRH C10-C14	mg/kg	20	<20
	TRH C15-C28	mg/kg	45	<45
	TRH C29-C36	mg/kg	45	<45
	TRH C37-C40	mg/kg	100	<100
	TRH C10-C36 Total	mg/kg	110	<110
LB271508.001	TRH C10-C14	mg/kg	20	<20
	TRH C15-C28	mg/kg	45	<45
	TRH C29-C36	mg/kg	45	<45
	TRH C37-C40	mg/kg	100	<100
	TRH C10-C36 Total	mg/kg	110	<110

TRH (Total Recoverable Hydrocarbons) in Water — Method: ME-(AU)-[ENV]AN403

Sample Number	Parameter	Units	LOR	Result
LB271575.001	TRH C10-C14	µg/L	50	<50
	TRH C15-C28	µg/L	200	<200
	TRH C29-C36	µg/L	200	<200
	TRH C37-C40	µg/L	200	<200

VOC's in Soil — Method: ME-(AU)-[ENV]AN433

Sample Number	Parameter	Units	LOR

Blank results are evaluated against the limit of reporting (LOR), for the chosen method and its associated instrumentation, typically 2.5 times the statistically determined method detection limit (MDL).

Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

VOC's in Soil (continued)

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB271509.001	Monocyclic Aromatic	Benzene	mg/kg	0.1	<0.1
	Hydrocarbons	Toluene	mg/kg	0.1	<0.1
		Ethylbenzene	mg/kg	0.1	<0.1
		m/p-xylene	mg/kg	0.2	<0.2
		o-xylene	mg/kg	0.1	<0.1
	Polycyclic VOCs	Naphthalene (VOC)*	mg/kg	0.1	<0.1
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	111
		d8-toluene (Surrogate)	%	-	95
		Bromofluorobenzene (Surrogate)	%	-	97
	Totals	Total BTEX*	mg/kg	0.6	<0.6
LB271511.001	Monocyclic Aromatic	Benzene	mg/kg	0.1	<0.1
	Hydrocarbons	Toluene	mg/kg	0.1	<0.1
		Ethylbenzene	mg/kg	0.1	<0.1
		m/p-xylene	mg/kg	0.2	<0.2
		o-xylene	mg/kg	0.1	<0.1
	Polycyclic VOCs	Naphthalene (VOC)*	mg/kg	0.1	<0.1
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	103
		d8-toluene (Surrogate)	%	-	98
		Bromofluorobenzene (Surrogate)	%	-	87
	Totals	Total BTEX*	mg/kg	0.6	<0.6
LB271512.001	Monocyclic Aromatic	Benzene	mg/kg	0.1	<0.1
	Hydrocarbons	Toluene	mg/kg	0.1	<0.1
		Ethylbenzene	mg/kg	0.1	<0.1
		m/p-xylene	mg/kg	0.2	<0.2
		o-xylene	mg/kg	0.1	<0.1
	Polycyclic VOCs	Naphthalene (VOC)*	mg/kg	0.1	<0.1
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	79
		d8-toluene (Surrogate)	%	-	77
		Bromofluorobenzene (Surrogate)	%	-	72
	Totals	Total BTEX*	mg/kg	0.6	<0.6
LB271533.001	Monocyclic Aromatic	Benzene	mg/kg	0.1	<0.1
	Hydrocarbons	Toluene	mg/kg	0.1	<0.1
		Ethylbenzene	mg/kg	0.1	<0.1
		m/p-xylene	mg/kg	0.2	<0.2
		o-xylene	mg/kg	0.1	<0.1
	Polycyclic VOCs	Naphthalene (VOC)*	mg/kg	0.1	<0.1
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	79
		d8-toluene (Surrogate)	%	-	93
		Bromofluorobenzene (Surrogate)	%	-	81
	Totals	Total BTEX*	mg/kg	0.6	<0.6

VOCs in Water

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB271699.001	Monocyclic Aromatic	Benzene	µg/L	0.5	<0.5
	Hydrocarbons	Toluene	µg/L	0.5	<0.5
		Ethylbenzene	µg/L	0.5	<0.5
		m/p-xylene	µg/L	1	<1
		o-xylene	µg/L	0.5	<0.5
	Polycyclic VOCs	Naphthalene (VOC)*	µg/L	0.5	<0.5
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	102
		d8-toluene (Surrogate)	%	-	101
		Bromofluorobenzene (Surrogate)	%	-	93

Volatile Petroleum Hydrocarbons in Soil

Method: ME-(AU)-[ENV]AN433

Sample Number		Parameter	Units	LOR	Result
LB271509.001		TRH C6-C9	mg/kg	20	<20
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	111
LB271511.001		TRH C6-C9	mg/kg	20	<20
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	103
LB271512.001		TRH C6-C9	mg/kg	20	<20
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	79
LB271533.001		TRH C6-C9	mg/kg	20	<20

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Result is shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria.

Volatile Petroleum Hydrocarbons in Soil (continued) — **Method: ME-(AU)-[ENV]AN433**

Sample Number		Parameter	Units	LOR	Result
LB271533.001	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	79

Volatile Petroleum Hydrocarbons in Water — **Method: ME-(AU)-[ENV]AN433**

Sample Number		Parameter	Units	LOR	Result
LB271699.001		TRH C6-C9	µg/L	40	<40
	Surrogates	d4-1,2-dichloroethane (Surrogate)	%	-	102
		d8-toluene (Surrogate)	%	-	101
		Bromofluorobenzene (Surrogate)	%	-	93

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Mercury (dissolved) in Water

Method: ME-(AU)-[ENV]AN311(Perth)/AN312

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.068	LB271447.014	Mercury	µg/L	0.0001	<0.0001	<0.0001	200	0
SE243101.001	LB271447.021	Mercury	µg/L	0.0001	<0.0001	<0.0001	200	0

Mercury in Soil

Method: ME-(AU)-[ENV]AN312

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.010	LB271525.014	Mercury	mg/kg	0.05	0.22	0.22	53	0
SE243061.019	LB271525.024	Mercury	mg/kg	0.05	0.53	0.62	39	17
SE243061.029	LB271526.014	Mercury	mg/kg	0.05	0.13	0.13	69	7
SE243061.038	LB271526.024	Mercury	mg/kg	0.05	0.08	0.11	83	28
SE243061.048	LB271528.014	Mercury	mg/kg	0.05	<0.05	<0.05	200	0
SE243061.061	LB271551.014	Mercury	mg/kg	0.05	1.2	0.80	35	40 ②
SE243061.072	LB271551.023	Mercury	mg/kg	0.05	0.26	0.39	45	42

Moisture Content

Method: ME-(AU)-[ENV]AN002

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.010	LB271515.011	% Moisture	%w/w	1	1.9	1.9	84	1
SE243061.019	LB271515.021	% Moisture	%w/w	1	4.6	4.5	52	2
SE243061.029	LB271516.011	% Moisture	%w/w	1	3.3	3.2	61	4
SE243061.038	LB271516.021	% Moisture	%w/w	1	6.8	5.7	46	18
SE243061.048	LB271517.011	% Moisture	%w/w	1	3.3	5.3	53	48
SE243061.058	LB271517.022	% Moisture	%w/w	1	8.7	9.2	41	6
SE243061.060	LB271538.011	% Moisture	%w/w	1	12.3	12.2	38	1
SE243061.072	LB271538.022	% Moisture	%w/w	1	29.9	34.3	33	14

OC Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.010	LB271471.014		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.1	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.1	200	0
			Endrin	mg/kg	0.2	<0.2	<0.1	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.1	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.15	0.14	30	2
SE243061.019	LB271471.024		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OC Pesticides in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.019	LB271471.024		Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.1	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.1	200	0
			Endrin	mg/kg	0.2	<0.2	<0.1	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.1	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.14	0.14	30	0
SE243061.029	LB271490.014		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.1	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.1	200	0
			Endrin	mg/kg	0.2	<0.2	<0.1	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.1	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.14	0.12	30	9
SE243061.038	LB271490.024		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OC Pesticides in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.038	LB271490.024		Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.1	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.1	200	0
			Endrin	mg/kg	0.2	<0.2	<0.1	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.1	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.16	0.13	30	23
SE243061.048	LB271491.014		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.16	0.16	30	3
SE243061.058	LB271491.025		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OC Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.058	LB271491.025		Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.2	200	0
			Endrin	mg/kg	0.2	<0.2	<0.2	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.2	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.16	0.16	30	4
SE243061.072	LB271508.023		Alpha BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Hexachlorobenzene (HCB)	mg/kg	0.1	<0.1	<0.1	200	0
			Beta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Lindane (gamma BHC)	mg/kg	0.1	<0.1	<0.1	200	0
			Delta BHC	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Aldrin	mg/kg	0.1	<0.1	<0.1	200	0
			Isodrin	mg/kg	0.1	<0.1	<0.1	200	0
			Heptachlor epoxide	mg/kg	0.1	<0.1	<0.1	200	0
			Gamma Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Chlordane	mg/kg	0.1	<0.1	<0.1	200	0
			Alpha Endosulfan	mg/kg	0.2	<0.2	<0.1	200	0
			o,p'-DDE*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDE	mg/kg	0.1	<0.1	<0.1	200	0
			Dieldrin	mg/kg	0.2	<0.2	<0.1	200	0
			Endrin	mg/kg	0.2	<0.2	<0.1	200	0
			Beta Endosulfan	mg/kg	0.2	<0.2	<0.1	200	0
			o,p'-DDD*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDD	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin aldehyde	mg/kg	0.1	<0.1	<0.1	200	0
			Endosulfan sulphate	mg/kg	0.1	<0.1	<0.1	200	0
			o,p'-DDT*	mg/kg	0.1	<0.1	<0.1	200	0
			p,p'-DDT	mg/kg	0.1	<0.1	<0.1	200	0
			Endrin ketone	mg/kg	0.1	<0.1	<0.1	200	0
			Methoxychlor	mg/kg	0.1	<0.1	<0.1	200	0
			Mirex	mg/kg	0.1	<0.1	<0.1	200	0
			trans-Nonachlor	mg/kg	0.1	<0.1	<0.1	200	0
			Total CLP OC Pesticides	mg/kg	1	<1	<1	200	0
			Total OC VIC EPA	mg/kg	1	<1	<1	200	0
		Surrogates	Tetrachloro-m-xylene (TCMX) (Surrogate)	mg/kg	-	0.18	0.17	30	4

OP Pesticides in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.010	LB271471.014	Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
		Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
		Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
		Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
		Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OP Pesticides in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.010	LB271471.014		Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	3
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	3
SE243061.019	LB271471.024		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	6
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	4
SE243061.029	LB271490.014		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	6
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	5
SE243061.038	LB271490.024		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	2
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	3
SE243061.048	LB271491.014		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

OP Pesticides in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.048	LB271491.014		Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	1
SE243061.058	LB271491.025		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	0
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	1
SE243061.061	LB271508.014		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	1
SE243061.072	LB271508.023		Azinphos-methyl (Guthion)	mg/kg	0.2	<0.2	<0.2	200	0
			Bromophos Ethyl	mg/kg	0.2	<0.2	<0.2	200	0
			Chlorpyrifos (Chlorpyrifos Ethyl)	mg/kg	0.2	<0.2	<0.2	200	0
			Diazinon (Dimpylate)	mg/kg	0.5	<0.5	<0.5	200	0
			Dichlorvos	mg/kg	0.5	<0.5	<0.5	200	0
			Dimethoate	mg/kg	0.5	<0.5	<0.5	200	0
			Ethion	mg/kg	0.2	<0.2	<0.2	200	0
			Fenitrothion	mg/kg	0.2	<0.2	<0.2	200	0
			Malathion	mg/kg	0.2	<0.2	<0.2	200	0
			Methidathion	mg/kg	0.5	<0.5	<0.5	200	0
			Parathion-ethyl (Parathion)	mg/kg	0.2	<0.2	<0.2	200	0
			Total OP Pesticides*	mg/kg	1.7	<1.7	<1.7	200	0
		Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	3
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	3

PAH (Polynuclear Aromatic Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.010	LB271471.014	Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
		2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
		1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
		Acenaphthylene	mg/kg	0.1	<0.1	<0.1	181	0
		Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
		Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
		Phenanthrene	mg/kg	0.1	0.2	0.3	67	36
		Anthracene	mg/kg	0.1	<0.1	<0.1	158	0
		Fluoranthene	mg/kg	0.1	0.5	0.6	48	27
		Pyrene	mg/kg	0.1	0.5	0.6	48	24
		Benzo(a)anthracene	mg/kg	0.1	0.3	0.4	61	23
		Chrysene	mg/kg	0.1	0.2	0.3	67	23

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.010	LB271471.014		Benzo(b&j)fluoranthene	mg/kg	0.1	0.3	0.4	57	17
			Benzo(k)fluoranthene	mg/kg	0.1	0.1	0.2	96	29
			Benzo(a)pyrene	mg/kg	0.1	0.3	0.4	61	21
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.2	0.2	80	20
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	0.2	0.2	84	18
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	0.4	0.5	56	21
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	0.4	0.5	51	19
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	0.5	0.6	66	17
			Total PAH (18)	mg/kg	0.8	2.8	3.6	33	24
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	2
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	3
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	3
SE243061.019	LB271471.024		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	0.2	0.1	103	50
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	191	0
			Phenanthrene	mg/kg	0.1	0.9	0.4	45	77 ⑨
			Anthracene	mg/kg	0.1	0.2	0.1	84	67
			Fluoranthene	mg/kg	0.1	1.3	0.8	40	49 ⑨
			Pyrene	mg/kg	0.1	1.2	0.8	40	43 ⑨
			Benzo(a)anthracene	mg/kg	0.1	0.6	0.4	49	34
			Chrysene	mg/kg	0.1	0.5	0.4	52	30
			Benzo(b&j)fluoranthene	mg/kg	0.1	0.7	0.6	46	25
			Benzo(k)fluoranthene	mg/kg	0.1	0.3	0.2	72	23
			Benzo(a)pyrene	mg/kg	0.1	0.6	0.5	48	26
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.4	0.3	61	21
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	165	0
			Benzo(ghi)perylene	mg/kg	0.1	0.3	0.3	64	21
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	0.8	0.6	38	26
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	0.9	0.7	36	25
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	0.9	0.7	46	23
			Total PAH (18)	mg/kg	0.8	7.3	4.8	32	41 ⑨
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	7
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	6
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	4
SE243061.029	LB271490.014		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	0.3	85	107 ⑨
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	0.2	132	60
			Phenanthrene	mg/kg	0.1	0.1	5.7	33	191 ⑨
			Anthracene	mg/kg	0.1	<0.1	1.6	42	177 ⑨
			Fluoranthene	mg/kg	0.1	0.3	9.0	32	188 ⑨
			Pyrene	mg/kg	0.1	0.3	10	32	190 ⑨
			Benzo(a)anthracene	mg/kg	0.1	0.1	4.8	34	188 ⑨
			Chrysene	mg/kg	0.1	0.1	4.1	35	187 ⑨
			Benzo(b&j)fluoranthene	mg/kg	0.1	0.2	4.3	35	184 ⑨
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	1.8	41	179 ⑨
			Benzo(a)pyrene	mg/kg	0.1	0.2	4.2	35	186 ⑨
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.1	2.5	38	184 ⑨
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	0.6	63	141 ⑨
			Benzo(ghi)perylene	mg/kg	0.1	0.1	2.6	37	184 ⑨
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	0.2	6.2	16	187 ⑨
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	0.3	6.2	16	184 ⑨
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	0.3	6.2	19	181 ⑨
			Total PAH (18)	mg/kg	0.8	1.6	52	30	188 ⑨
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	3

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.029	LB271490.014	Surrogates	2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	6
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.5	30	5
SE243061.038	LB271490.024		Naphthalene	mg/kg	0.1	0.1	<0.1	138	38
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	0.2	<0.1	102	66
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	1.0	0.3	46	106 ⓖ
			Anthracene	mg/kg	0.1	0.3	<0.1	85	92 ⓖ
			Fluoranthene	mg/kg	0.1	1.5	0.6	40	82 ⓖ
			Pyrene	mg/kg	0.1	1.5	0.6	40	77 ⓖ
			Benzo(a)anthracene	mg/kg	0.1	0.7	0.3	49	75 ⓖ
			Chrysene	mg/kg	0.1	0.6	0.3	54	73 ⓖ
			Benzo(b&j)fluoranthene	mg/kg	0.1	0.6	0.3	51	67 ⓖ
			Benzo(k)fluoranthene	mg/kg	0.1	0.3	0.1	76	68
			Benzo(a)pyrene	mg/kg	0.1	0.6	0.3	52	67 ⓖ
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.3	0.2	68	62
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	176	0
			Benzo(ghi)perylene	mg/kg	0.1	0.3	0.2	68	60
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	0.8	0.4	43	68 ⓖ
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	0.9	0.5	40	63 ⓖ
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	0.9	0.5	52	58 ⓖ
			Total PAH (18)	mg/kg	0.8	8.0	3.3	32	84 ⓖ
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	3
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	2
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	3
SE243061.048	LB271491.014		Naphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			2-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			1-methylnaphthalene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluorene	mg/kg	0.1	<0.1	<0.1	200	0
			Phenanthrene	mg/kg	0.1	<0.1	<0.1	188	0
			Anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Fluoranthene	mg/kg	0.1	0.2	<0.1	90	84
			Pyrene	mg/kg	0.1	0.3	<0.1	85	92 ⓖ
			Benzo(a)anthracene	mg/kg	0.1	0.1	<0.1	132	36
			Chrysene	mg/kg	0.1	0.1	<0.1	144	26
			Benzo(b&j)fluoranthene	mg/kg	0.1	0.2	<0.1	114	57
			Benzo(k)fluoranthene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(a)pyrene	mg/kg	0.1	0.2	<0.1	124	47
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.1	<0.1	166	10
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	0.1	<0.1	162	13
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	0.2	<0.2	197	7
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	0.3	<0.2	114	28
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	0.3	<0.3	118	5
			Total PAH (18)	mg/kg	0.8	1.4	<0.1	44	56 ⓖ
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	2
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	1
SE243061.058	LB271491.025		Naphthalene	mg/kg	0.1	0.2	<0.1	101	59
			2-methylnaphthalene	mg/kg	0.1	0.2	<0.1	96	74
			1-methylnaphthalene	mg/kg	0.1	0.3	0.1	77	99 ⓖ
			Acenaphthylene	mg/kg	0.1	0.4	0.3	58	12
			Acenaphthene	mg/kg	0.1	0.4	0.2	69	80 ⓖ
			Fluorene	mg/kg	0.1	0.3	0.1	71	77 ⓖ
			Phenanthrene	mg/kg	0.1	4.2	2.2	33	62 ⓖ
			Anthracene	mg/kg	0.1	1.6	0.9	38	54 ⓖ
			Fluoranthene	mg/kg	0.1	6.1	4.7	32	27

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued) — **Method: ME-(AU)-[ENV]AN420**

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.058	LB271491.025		Pyrene	mg/kg	0.1	7.4	5.3	32	33 ⑨
			Benzo(a)anthracene	mg/kg	0.1	4.7	3.5	32	30
			Chrysene	mg/kg	0.1	4.0	3.0	33	30
			Benzo(b&j)fluoranthene	mg/kg	0.1	5.0	3.6	32	32
			Benzo(k)fluoranthene	mg/kg	0.1	1.7	1.4	36	18
			Benzo(a)pyrene	mg/kg	0.1	4.6	3.5	32	27
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	3.1	2.4	34	24
			Dibenzo(ah)anthracene	mg/kg	0.1	0.8	0.7	43	23
			Benzo(ghi)perylene	mg/kg	0.1	3.7	3.1	33	20
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	6.9	5.3	13	27 ⑨
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	6.9	5.3	13	27 ⑨
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	6.9	5.3	15	27 ⑨
			Total PAH (18)	mg/kg	0.8	49	35	30	33 ⑨
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	1
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	0
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	1
SE243061.061	LB271508.014		Naphthalene	mg/kg	0.1	0.1	0.1	104	19
			2-methylnaphthalene	mg/kg	0.1	<0.1	0.2	100	60
			1-methylnaphthalene	mg/kg	0.1	0.2	0.2	81	37
			Acenaphthylene	mg/kg	0.1	0.8	0.5	46	40
			Acenaphthene	mg/kg	0.1	0.1	0.7	54	145 ⑨
			Fluorene	mg/kg	0.1	0.3	0.5	56	48
			Phenanthrene	mg/kg	0.1	3.3	9.0	32	94 ⑨
			Anthracene	mg/kg	0.1	0.9	2.5	36	97 ⑨
			Fluoranthene	mg/kg	0.1	4.7	11	31	80 ⑨
			Pyrene	mg/kg	0.1	4.3	9.7	31	77 ⑨
			Benzo(a)anthracene	mg/kg	0.1	2.5	5.5	33	75 ⑨
			Chrysene	mg/kg	0.1	1.9	4.4	33	79 ⑨
			Benzo(b&j)fluoranthene	mg/kg	0.1	2.7	5.1	33	60 ⑨
			Benzo(k)fluoranthene	mg/kg	0.1	1.1	2.2	36	66 ⑨
			Benzo(a)pyrene	mg/kg	0.1	2.4	4.4	33	59 ⑨
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	1.5	2.7	35	55 ⑨
			Dibenzo(ah)anthracene	mg/kg	0.1	0.3	0.6	50	59 ⑨
			Benzo(ghi)perylene	mg/kg	0.1	1.4	2.3	35	52 ⑨
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	3.6	6.7	14	60 ⑨
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	3.6	6.7	14	60 ⑨
			Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	3.6	6.7	16	60 ⑨
			Total PAH (18)	mg/kg	0.8	28	62	30	74 ⑨
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.5	0.5	30	0
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	1
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.4	0.4	30	1
SE243061.072	LB271508.023		Naphthalene	mg/kg	0.1	0.7	<0.1	59	149 ⑨
			2-methylnaphthalene	mg/kg	0.1	0.2	<0.1	135	59
			1-methylnaphthalene	mg/kg	0.1	0.1	<0.1	160	38
			Acenaphthylene	mg/kg	0.1	<0.1	<0.1	200	0
			Acenaphthene	mg/kg	0.1	0.1	<0.1	176	31
			Fluorene	mg/kg	0.1	0.2	<0.1	147	49
			Phenanthrene	mg/kg	0.1	1.9	<0.1	40	180 ⑨
			Anthracene	mg/kg	0.1	0.4	<0.1	82	115 ⑨
			Fluoranthene	mg/kg	0.1	1.5	<0.1	43	175 ⑨
			Pyrene	mg/kg	0.1	1.2	<0.1	46	169 ⑨
			Benzo(a)anthracene	mg/kg	0.1	0.7	<0.1	58	147 ⑨
			Chrysene	mg/kg	0.1	0.6	<0.1	60	145 ⑨
			Benzo(b&j)fluoranthene	mg/kg	0.1	0.5	<0.1	64	137 ⑨
			Benzo(k)fluoranthene	mg/kg	0.1	0.2	<0.1	117	71
			Benzo(a)pyrene	mg/kg	0.1	0.4	<0.1	75	121 ⑨
			Indeno(1,2,3-cd)pyrene	mg/kg	0.1	0.2	<0.1	117	69
			Dibenzo(ah)anthracene	mg/kg	0.1	<0.1	<0.1	200	0
			Benzo(ghi)perylene	mg/kg	0.1	0.2	<0.1	131	52
			Carcinogenic PAHs, BaP TEQ <LOR=0*	mg/kg	0.2	0.6	<0.2	80	97 ⑨
			Carcinogenic PAHs, BaP TEQ <LOR=LOR/2*	mg/kg	0.2	0.6	<0.2	64	103 ⑨

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

PAH (Polynuclear Aromatic Hydrocarbons) in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.072	LB271508.023		Carcinogenic PAHs, BaP TEQ <LOR=LOR*	mg/kg	0.3	0.7	<0.3	75	77 ⑨
			Total PAH (18)	mg/kg	0.8	9.1	<0.1	32	168 ⑨
		Surrogates	d5-nitrobenzene (Surrogate)	mg/kg	-	0.6	0.6	30	3
			2-fluorobiphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	3
			d14-p-terphenyl (Surrogate)	mg/kg	-	0.5	0.5	30	3

PCBs in Soil

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.010	LB271471.014		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1260	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	200	0
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	200	0
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	30	1
SE243061.019	LB271471.024		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1260	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	200	0
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	200	0
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	30	1
SE243061.029	LB271490.014		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1260	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	200	0
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	200	0
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	30	11
SE243061.038	LB271490.024		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1260	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	200	0
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	200	0
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	30	23
SE243061.048	LB271491.014		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1260	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	200	0

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

PCBs in Soil (continued)

Method: ME-(AU)-[ENV]AN420

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.048	LB271491.014		Total PCBs (Arochlors)	mg/kg	1	<1	<1	200	0
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	30	3
SE243061.058	LB271491.025		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1260	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	200	0
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	200	0
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	30	4
SE243061.072	LB271508.023		Arochlor 1016	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1221	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1232	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1242	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1248	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1254	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1260	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1262	mg/kg	0.2	<0.2	<0.2	200	0
			Arochlor 1268	mg/kg	0.2	<0.2	<0.2	200	0
			Total PCBs (Arochlors)	mg/kg	1	<1	<1	200	0
		Surrogates	TCMX (Surrogate)	mg/kg	-	0	0	30	4

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES

Method: ME-(AU)-[ENV]AN040/AN320

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.010	LB271520.014	Arsenic, As	mg/kg	1	2	2	78	10
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	195	0
		Chromium, Cr	mg/kg	0.5	3.0	2.8	47	6
		Copper, Cu	mg/kg	0.5	24	24	32	1
		Nickel, Ni	mg/kg	0.5	1.7	1.6	60	8
		Lead, Pb	mg/kg	1	150	140	31	7
		Zinc, Zn	mg/kg	2	160	160	31	4
SE243061.019	LB271520.024	Arsenic, As	mg/kg	1	2	2	71	0
		Cadmium, Cd	mg/kg	0.3	0.5	0.6	85	3
		Chromium, Cr	mg/kg	0.5	6.6	6.0	38	9
		Copper, Cu	mg/kg	0.5	24	25	32	3
		Nickel, Ni	mg/kg	0.5	2.7	2.3	50	17
		Lead, Pb	mg/kg	1	450	460	30	2
		Zinc, Zn	mg/kg	2	390	390	31	1
SE243061.029	LB271521.014	Arsenic, As	mg/kg	1	1	1	115	4
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	2.1	3.0	50	37
		Copper, Cu	mg/kg	0.5	11	12	34	9
		Nickel, Ni	mg/kg	0.5	1.2	1.6	65	25
		Lead, Pb	mg/kg	1	110	130	31	18
		Zinc, Zn	mg/kg	2	170	180	31	8
SE243061.038	LB271521.024	Arsenic, As	mg/kg	1	<1	<1	200	0
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	169	0
		Chromium, Cr	mg/kg	0.5	0.7	0.7	102	7
		Copper, Cu	mg/kg	0.5	8.0	11	35	34
		Nickel, Ni	mg/kg	0.5	1.2	1.4	69	16
		Lead, Pb	mg/kg	1	14	16	37	15
		Zinc, Zn	mg/kg	2	130	100	32	25
SE243061.048	LB271522.014	Arsenic, As	mg/kg	1	1	1	116	8
		Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	200	0
		Chromium, Cr	mg/kg	0.5	0.9	1.1	81	22
		Copper, Cu	mg/kg	0.5	4.7	4.7	41	1
		Nickel, Ni	mg/kg	0.5	0.6	0.7	104	9
		Lead, Pb	mg/kg	1	9	9	41	9

Duplicates are calculated as Relative Percentage Difference (RPD) using the formula: RPD = | OriginalResult - ReplicateResult | x 100 / Mean

The RPD is evaluated against the Maximum Allowable Difference (MAD) criteria and can be graphically represented by a curve calculated from the Statistical Detection Limit (SDL) and Limiting Repeatability (LR) using the formula: MAD = 100 x SDL / Mean + LR

Where the Maximum Allowable Difference evaluates to a number larger than 200 it is displayed as 200.

RPD is shown in **Green** when within suggested criteria or **Red** with an appended reason identifer when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

NOTE: The RPD reported is calculated from the unrounded data for the original and replicate result. Manual calculation of the RPD from the rounded data reported may

Total Recoverable Elements in Soil/Waste Solids/Materials by ICPOES (continued)

Method: ME-(AU)-[ENV]AN040/AN320

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.048	LB271522.014		Zinc, Zn	mg/kg	2	60	71	33	17
SE243061.061	LB271545.014		Arsenic, As	mg/kg	1	2	2	73	3
			Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	159	0
			Chromium, Cr	mg/kg	0.5	6.9	6.8	37	1
			Copper, Cu	mg/kg	0.5	25	31	32	20
			Nickel, Ni	mg/kg	0.5	4.0	4.3	42	6
			Lead, Pb	mg/kg	1	74	120	31	48 ②
			Zinc, Zn	mg/kg	2	210	230	31	6
SE243061.072	LB271545.023		Arsenic, As	mg/kg	1	3	3	65	10
			Cadmium, Cd	mg/kg	0.3	<0.3	<0.3	177	0
			Chromium, Cr	mg/kg	0.5	5.8	5.4	39	6
			Copper, Cu	mg/kg	0.5	18	20	33	11
			Nickel, Ni	mg/kg	0.5	7.7	6.8	37	13
			Lead, Pb	mg/kg	1	71	65	31	10
			Zinc, Zn	mg/kg	2	570	490	30	16

Trace Metals (Dissolved) in Water by ICPMS

Method: ME-(AU)-[ENV]AN318

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243101.001	LB271420.014	Arsenic	µg/L	1	1	1	89	0
		Cadmium	µg/L	0.1	<0.1	<0.1	200	0
		Chromium	µg/L	1	<1	<1	143	0
		Copper	µg/L	1	2	2	57	2
		Lead	µg/L	1	<1	<1	200	0
		Nickel	µg/L	1	1	1	95	1
		Zinc	µg/L	5	<5	<5	200	0

TRH (Total Recoverable Hydrocarbons) in Soil

Method: ME-(AU)-[ENV]AN403

Original	Duplicate		Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE243061.010	LB271471.014		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	70	50	105	33
			TRH C29-C36	mg/kg	45	100	<45	95	77
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	170	<110	129	44
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	140	<90	115	43
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0
SE243061.019	LB271471.024		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	72	67	95	8
			TRH C29-C36	mg/kg	45	55	61	107	10
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	130	130	116	0
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	<210	200	0
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	110	110	113	4
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0
SE243061.029	LB271490.014		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	<45	200	69	127 ②
			TRH C29-C36	mg/kg	45	<45	76	149	51
			TRH C37-C40	mg/kg	100	<100	<100	200	0
			TRH C10-C36 Total	mg/kg	110	<110	280	109	86
			TRH >C10-C40 Total (F bands)	mg/kg	210	<210	260	194	20
		TRH F Bands	TRH >C10-C16	mg/kg	25	<25	<25	200	0
			TRH >C10-C16 - Naphthalene (F2)	mg/kg	25	<25	<25	200	0
			TRH >C16-C34 (F3)	mg/kg	90	<90	260	92	96 ②
			TRH >C34-C40 (F4)	mg/kg	120	<120	<120	200	0
SE243061.038	LB271490.024		TRH C10-C14	mg/kg	20	<20	<20	200	0
			TRH C15-C28	mg/kg	45	69	<45	110	42
			TRH C29-C36	mg/kg	45	<45	<45	160	0
			TRH C37-C40	mg/kg	100	<100	<100	200	0