



Job No: 8599/76
Our Ref: 8599/76-AA
25 November 2021

Daracon Contractors Pty Ltd
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Email: SimpsonW@daracon.com.au

Attention: Mr S Wong

Dear Sir

re: **Abell Road, Marsden Park
Newpark – Precinct 7 Stage 7A
Post Earthworks Salinity Assessment – Exposure Classification**

At your request, Geotech Testing Pty Ltd conducted a salinity assessment at the above site after completion of earthworks. This report provides exposure classification for a total of two hundred and eighty-four (284) lots (Lots 7101 to 7384).

Field Work

Field work for this investigation was carried out on 26th to the 29th October 2021 under the full time supervision of a Geotechnical Engineer from this company and consisted of the following:

- Carry out a walk over survey to assess existing geological and geotechnical conditions within and in the vicinity of the site.
- Excavate one hundred and thirty-two (132) test pits (TP1 to TP132) to depths up to 1.5m using a small 5 tonne excavator. Test pits were excavated along the boundary lines between lots and their locations are shown on the attached Drawing No 8599/75-AA1.
- Recovery of the representative soil samples from test pits for laboratory testing.

The field work was supervised by a Geotechnical Engineer from this company, who was responsible for nominating test pit locations, recovering samples and preparation of field logs.

Site Conditions

The site (Precinct 7A) is of rectangular shape and located within the Newpark subdivision. The site is bound by a creek running along the eastern boundary, forestation to the south and under development subdivision to all other sides. The site is bounded by other stages of the newly developed subdivision. At the time of investigation, earthworks for the lots had been completed and the construction of internal roads was underway. The topography of the site is generally flat with a mild slope towards the easterly direction. The ground surface was generally void of vegetation.

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Sub-surface Conditions

Sub-surface conditions encountered at the site are detailed in the attached Table A and summarised below in Table 1.

Table 1: Sub-surface Conditions

Test Pit	Termination Depth (m)	Topsoil (m)	Fill (m)	Natural (m)	Bedrock (m)
TP1	1.5	NE	0.0-1.5	NE	NE
TP2	1.5	NE	0.0-1.5	NE	NE
TP3	1.5	NE	0.0-1.5	NE	NE
TP4	1.5	NE	0.0-0.9	0.9-1.5	NE
TP5	1.5	NE	0.0-0.6	0.6-1.5	NE
TP6	1.5	NE	0.0-0.8	0.8-1.5	NE
TP7	1.5	NE	0.0-0.8	0.5-1.5	NE
TP8	1.5	NE	0.0-0.6	0.6-1.5	NE
TP9	1.5	NE	0.0-0.5	0.5-1.5	NE
TP10	1.5	NE	0.0-0.5	0.5-1.5	NE
TP11	1.5	NE	0.0-0.5	0.5-1.5	NE
TP12	1.5	NE	0.0-1.5	NE	NE
TP13	1.5	NE	0.0-1.5	NE	NE
TP14	1.5	NE	0.0-1.5	NE	NE
TP15	1.5	NE	0.0-1.5	NE	NE
TP16	1.5	NE	0.0-1.5	NE	NE
TP17	1.5	NE	0.0-1.5	NE	NE
TP18	1.5	NE	0.0-1.5	NE	NE
TP19	1.5	NE	0.0-1.5	NE	NE
TP20	1.5	NE	0.0-1.5	NE	NE
TP21	1.5	NE	0.0-1.5	NE	NE
TP22	1.5	NE	0.0-1.5	NE	NE
TP23	1.5	NE	0.0-1.5	NE	NE
TP24	1.5	NE	0.0-1.5	NE	NE
TP25	1.5	NE	0.0-1.5	NE	NE
TP26	1.5	NE	0.0-1.5	NE	NE
TP27	1.5	NE	0.0-1.5	NE	NE
TP28	1.5	NE	NE	0.0-1.5	NE
TP29	1.5	NE	NE	0.0-1.5	NE
TP30	1.5	NE	0.0-1.5	NE	NE
TP31	1.5	NE	0.0-1.5	NE	NE
TP32	1.5	NE	0.0-1.5	NE	NE
TP33	1.5	NE	0.0-1.5	NE	NE
TP34	1.5	NE	0.0-1.5	NE	NE

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Test Pit	Termination Depth (m)	Topsoil (m)	Fill (m)	Natural (m)	Bedrock (m)
TP35	1.5	NE	0.0-1.5	NE	NE
TP36	1.5	NE	0.0-1.5	NE	NE
TP37	1.5	NE	NE	0.0-1.5	NE
TP38	1.5	NE	NE	0.0-1.5	NE
TP39	1.5	NE	NE	0.0-1.5	NE
TP40	1.5	NE	NE	0.0-1.5	NE
TP41	1.5	NE	NE	0.0-1.5	NE
TP42	1.5	NE	NE	0.0-1.5	NE
TP43	1.5	NE	NE	0.0-1.5	NE
TP44	1.5	NE	NE	0.0-1.5	NE
TP45	1.5	NE	NE	0.0-1.5	NE
TP46	1.5	NE	0.0-1.5	NE	NE
TP47	1.5	NE	0.0-1.5	NE	NE
TP48	1.5	NE	0.0-1.5	NE	NE
TP49	1.5	NE	0.0-1.5	NE	NE
TP50	1.5	NE	0.0-1.5	NE	NE
TP51	1.5	NE	0.0-1.5	NE	NE
TP52	1.5	NE	NE	0.0-1.5	NE
TP53	1.5	NE	NE	0.0-1.5	NE
TP54	1.5	NE	NE	0.0-1.5	NE
TP55	1.5	NE	NE	0.0-1.5	NE
TP56	1.5	NE	NE	0.0-1.5	NE
TP57	0.9	NE	NE	0.9	NE
TP58	1.1	NE	NE	1.1	NE
TP59	0.6	NE	NE	0.6	NE
TP60	0.7	NE	NE	0.7	NE
TP61	0.7	NE	NE	0.7	NE
TP62	0.8	NE	NE	0.8	NE
TP63	1.5	NE	0.0-0.3	0.3-1.5	NE
TP64	1.5	NE	0.0-0.2	0.2-1.5	NE
TP65	1.5	NE	0.0-0.3	0.3-1.5	NE
TP66	0.7	NE	0.0-0.2	0.2-0.7	NE
TP67	1.5	NE	0.0-1.5	NE	NE
TP68	1.5	NE	0.0-1.5	NE	NE
TP69	1.5	NE	0.0-1.5	NE	NE
TP70	1.5	NE	0.0-1.5	NE	NE
TP71	1.5	NE	0.0-1.5	NE	NE
TP72	1.5	NE	0.0-0.4	0.4-1.5	NE

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Test Pit	Termination Depth (m)	Topsoil (m)	Fill (m)	Natural (m)	Bedrock (m)
TP73	1.5	NE	0.0-0.1	0.1-1.5	NE
TP74	1.5	NE	0.0-0.1	0.1-1.5	NE
TP75	1.5	NE	0.0-0.1	0.1-1.5	NE
TP76	1.5	NE	NE	0.0-1.5	NE
TP77	1.5	NE	NE	0.0-1.5	NE
TP78	1.5	NE	NE	0.0-1.5	NE
TP79	1.5	NE	NE	0.0-1.5	NE
TP80	1.5	NE	NE	0.0-1.5	NE
TP81	1.5	NE	0.0-1.5	NE	NE
TP82	1.5	NE	0.0-1.5	NE	NE
TP83	1.5	NE	0.0-1.5	NE	NE
TP84	1.5	NE	0.0-1.5	NE	NE
TP85	1.5	NE	0.0-1.5	NE	NE
TP86	1.5	NE	0.0-1.5	NE	NE
TP87	1.5	NE	0.0-1.5	NE	NE
TP88	1.5	NE	0.0-1.5	NE	NE
TP89	1.5	NE	0.0-1.5	NE	NE
TP90	1.5	NE	NE	0.0-1.5	NE
TP91	1.5	NE	NE	0.0-1.5	NE
TP92	1.5	NE	NE	0.0-1.5	NE
TP93	1.5	NE	0.0-1.0	1.0-1.5	NE
TP94	1.5	NE	0.0-1.5	NE	NE
TP95	1.5	NE	0.0-1.5	NE	NE
TP96	1.5	NE	0.0-1.5	NE	NE
TP97	1.5	NE	0.0-1.5	NE	NE
TP98	1.5	NE	0.0-1.5	NE	NE
TP99	1.5	NE	NE	0.0-1.5	NE
TP100	1.5	NE	NE	0.0-1.5	NE
TP101	1.5	0.0-0.2	NE	0.2-1.5	NE
TP102	1.5	0.0-0.2	NE	0.2-1.5	NE
TP103	1.5	0.0-0.2	NE	0.2-1.5	NE
TP104	1.5	0.0-0.2	NE	0.2-1.5	NE
TP105	1.5	0.0-0.2	NE	0.2-1.5	NE
TP106	1.5	0.0-0.2	NE	0.2-1.5	NE
TP107	1.5	0.0-0.2	NE	0.2-1.5	NE
TP108	1.5	0.0-0.2	NE	0.2-1.5	NE
TP109	1.5	0.0-0.2	NE	0.2-1.5	NE
TP110	1.5	0.0-0.2	NE	0.2-1.5	NE

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Test Pit	Termination Depth (m)	Topsoil (m)	Fill (m)	Natural (m)	Bedrock (m)
TP111	1.5	0.0-0.2	NE	0.2-1.5	NE
TP112	1.5	0.0-0.2	NE	0.2-1.5	NE
TP113	1.5	0.0-0.2	NE	0.2-1.5	NE
TP114	1.5	0.0-0.2	NE	0.2-1.5	NE
TP115	1.5	0.0-0.2	NE	0.2-1.5	NE
TP116	1.5	0.0-0.2	NE	0.2-1.5	NE
TP117	1.5	0.0-0.2	NE	0.2-1.5	NE
TP118	1.5	0.0-0.2	NE	0.2-1.5	NE
TP119	1.5	NE	0.0-1.5	NE	NE
TP120	1.5	NE	0.0-1.5	NE	NE
TP121	1.5	NE	0.0-1.5	NE	NE
TP122	1.5	NE	0.0-1.5	NE	NE
TP123	1.5	NE	0.0-1.5	NE	NE
TP124	1.5	NE	0.0-1.5	NE	NE
TP125	1.5	NE	0.0-1.5	NE	NE
TP126	1.5	0.0-0.2	NE	0.2-1.5	NE
TP127	1.5	0.0-0.2	NE	0.2-1.5	NE
TP128	1.5	NE	0.0-0.7	0.7-1.5	NE
TP129	1.5	NE	0.0-1.5	NE	NE
TP130	1.5	NE	0.0-1.5	NE	NE
TP131	1.5	NE	0.0-1.5	NE	NE
TP132	1.5	NE	0.0-1.5	NE	NE

NE: Not encountered to the termination depth

The materials encountered in the test pits can be generalised as below:

Fill	<p>Silty Clay, low to medium plasticity, brown, with gravel, cobbles and traces of boulders</p> <p>Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles</p> <p>Silty Clay, medium to high plasticity, brown, with cobbles, gravel</p>
Natural	<p>Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles</p> <p>Silty CLAY, medium to high plasticity, brown, with cobbles, boulders</p> <p>Silty Sandy CLAY, low to medium plasticity, brown, with gravel</p> <p>Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel and cobbles</p> <p>Silty CLAY, low to medium plasticity, orange-brown</p> <p>Silty Sandy CLAY, low plasticity, brown</p> <p>Silty CLAY, high plasticity, grey mottled brown, with ironstone gravel</p>

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Groundwater Condition

Groundwater was not observed in the test pits during the short time that they remained open. It must be noted that fluctuations in the level of groundwater might occur due to variations in rainfall, temperature, and/or other factors not evident during investigation.

Exposure Classification

Laboratory Testing

During field work, a total of 259 (Approximately two from every test pit) soil samples were collected for chemical testing in the NATA accredited laboratory of SGS for salinity and acidity properties. The laboratory test results certificates from SGS are attached at the end of this report and summarised in Table 2 along with exposure classification.

Table 2: Laboratory Test Results

Test Pit	Depth (m)	pH	EC (µS/cm)	Multiplying Factor	ECe (dS/m)	Exposure Classification
TP1	0.3-0.4	260	6.3	8	2.08	A1
TP1	1.0-1.1	200	7.6	8	1.60	A1
TP2	0.3-0.4	280	5.9	8	2.24	A1
TP2	1.0-1.1	170	7.5	8	1.36	A1
TP3	0.3-0.4	250	7.1	8	2.00	A1
TP3	1.0-1.1	250	7.5	8	2.00	A1
TP4	0.3-0.4	470	5.2	8	3.76	A2
TP4	1.0-1.1	560	4.5	8	4.48	B1
TP5	0.3-0.4	580	4.7	8	4.64	A2
TP5	1.0-1.1	700	4.3	8	5.60	B1
TP6	0.3-0.4	500	5	8	4.00	A2
TP6	1.0-1.1	620	4.5	8	4.96	B1
TP7	0.3-0.4	470	4.9	8	3.76	A2
TP7	1.0-1.1	610	4.3	8	4.88	B1
TP8	0.3-0.4	440	4.6	8	3.52	A2
TP8	1.0-1.1	590	5.3	8	4.72	A2
TP9	0.3-0.4	420	4.8	8	3.36	A2
TP9	1.0-1.1	73	5.2	8	0.58	A2
TP10	0.3-0.4	430	4.7	8	3.44	A2
TP10	1.0-1.1	74	5.2	8	0.59	A2
TP11	0.3-0.4	560	5.9	8	4.48	A2
TP11	1.0-1.1	230	5.4	8	1.84	A2
TP12	0.3-0.4	510	4.8	8	4.08	A2
TP12	1.0-1.1	150	5.1	8	1.20	A2
TP13	0.3-0.4	450	4.7	8	3.60	A2

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Test Pit	Depth (m)	pH	EC (µS/cm)	Multiplying Factor	ECe (dS/m)	Exposure Classification
TP13	1.0-1.1	120	5.2	8	0.96	A2
TP14	0.3-0.4	460	4.7	8	3.68	A2
TP14	1.0-1.1	410	4.8	8	3.28	A2
TP15	0.3-0.4	510	4.7	8	4.08	A2
TP15	1.0-1.1	510	4.5	8	4.08	B1
TP16	0.3-0.4	280	6.7	8	2.24	A1
TP16	1.0-1.1	240	7	8	1.92	A1
TP17	0.3-0.4	290	7.3	8	2.32	A1
TP17	1.0-1.1	300	7	8	2.40	A1
TP18	0.3-0.4	270	6.9	8	2.16	A1
TP18	1.0-1.1	230	7.1	8	1.84	A1
TP19	0.3-0.4	390	5.1	8	3.12	A2
TP19	1.0-1.1	350	5.1	8	2.80	A2
TP20	0.3-0.4	330	5	8	2.64	A2
TP20	1.0-1.1	350	5	8	2.80	A2
TP21	0.3-0.4	350	5.3	8	2.80	A2
TP21	1.0-1.1	400	5.2	8	3.20	A2
TP22	0.3-0.4	340	5.2	8	2.72	A2
TP22	1.0-1.1	340	5.2	8	2.72	A2
TP23	0.3-0.4	310	5.2	8	2.48	A2
TP23	1.0-1.1	350	5.2	8	2.80	A2
TP24	0.3-0.4	330	5.2	8	2.64	A2
TP24	1.0-1.1	360	5.3	8	2.88	A2
TP25	0.3-0.4	380	5.3	8	3.04	A2
TP25	1.0-1.1	300	5.4	8	2.40	A2
TP26	0.3-0.4	330	5.4	8	2.64	A2
TP26	1.0-1.1	380	5.2	8	3.04	A2
TP27	0.3-0.4	380	5.2	8	3.04	A2
TP27	1.0-1.1	380	5.2	8	3.04	A2
TP28	0.3-0.4	120	5.2	8	0.96	A2
TP28	1.0-1.1	190	4.5	8	1.52	B1
TP29	0.3-0.4	250	5.4	8	2.00	A2
TP29	1.0-1.1	210	4.7	8	1.68	A2
TP30	0.3-0.4	190	5.7	8	1.52	A1
TP30	1.0-1.1	350	5.1	8	2.80	A2

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Test Pit	Depth (m)	pH	EC (µS/cm)	Multiplying Factor	ECe (dS/m)	Exposure Classification
TP31	0.3-0.4	240	5.4	8	1.92	A2
TP31	1.0-1.1	350	5.3	8	2.80	A2
TP32	0.3-0.4	160	5.6	8	1.28	A1
TP32	1.0-1.1	440	5.1	8	3.52	A2
TP33	0.3-0.4	210	5.3	8	1.68	A2
TP33	1.0-1.1	330	5.1	8	2.64	A2
TP34	0.3-0.4	180	5.4	8	1.44	A2
TP34	1.0-1.1	350	5.2	8	2.80	A2
TP35	0.3-0.4	170	5.5	8	1.36	A2
TP35	1.0-1.1	390	5	8	3.12	A2
TP36	0.3-0.4	250	5.3	8	2.00	A2
TP36	1.0-1.1	530	5.1	8	4.24	A2
TP37	0.3-0.4	310	5	8	2.48	A2
TP37	1.0-1.1	440	4.5	8	3.52	B1
TP38	0.3-0.4	270	5.2	8	2.16	A2
TP38	1.0-1.1	560	4.4	8	4.48	B1
TP39	0.3-0.4	240	5.2	8	1.92	A2
TP39	1.0-1.1	540	4.4	8	4.32	B1
TP40	0.3-0.4	330	5.3	8	2.64	A2
TP40	1.0-1.1	390	4.4	8	3.12	B1
TP41	0.3-0.4	220	5.8	8	1.76	A1
TP41	1.0-1.1	480	4.8	8	3.84	A2
TP42	0.3-0.4	48	6	8	0.38	A1
TP42	1.0-1.1	320	5.1	8	2.56	A2
TP43	0.3-0.4	110	5.6	8	0.88	A1
TP43	1.0-1.1	230	5	8	1.84	A2
TP44	0.3-0.4	99	5.7	8	0.79	A1
TP44	1.0-1.1	200	5	8	1.60	A2
TP45	0.3-0.4	110	5.5	8	0.88	A2
TP45	1.0-1.1	230	5	8	1.84	A2
TP46	0.3-0.4	160	5.6	8	1.28	A1
TP46	1.0-1.1	210	5.5	8	1.68	A2
TP47	0.3-0.4	170	5.7	8	1.36	A1
TP47	1.0-1.1	160	5.4	8	1.28	A2
TP48	0.3-0.4	170	5.7	8	1.36	A1

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Test Pit	Depth (m)	pH	EC (µS/cm)	Multipling Factor	ECe (dS/m)	Exposure Classification
TP48	1.0-1.1	410	5.4	8	3.28	A2
TP49	0.3-0.4	210	5.7	8	1.68	A1
TP49	1.0-1.1	220	5.3	8	1.76	A2
TP50	0.3-0.4	220	5.5	8	1.76	A2
TP50	1.0-1.1	340	5.3	8	2.72	A2
TP51	0.3-0.4	200	5.5	8	1.60	A2
TP51	1.0-1.1	330	4.7	8	2.64	A2
TP52	0.3-0.4	48	5.4	8	0.38	A2
TP52	1.0-1.1	280	4.5	8	2.24	B1
TP53	0.3-0.4	220	4.7	8	1.76	A2
TP53	1.0-1.1	310	4.6	8	2.48	A2
TP54	0.3-0.4	180	4.9	8	1.44	A2
TP54	1.0-1.1	240	4.8	8	1.92	A2
TP55	0.3-0.4	180	5	8	1.44	A2
TP55	1.0-1.1	220	4.8	8	1.76	A2
TP56	0.3-0.4	150	5	8	1.20	A2
TP56	1.0-1.1	310	4.7	8	2.48	A2
TP57	0.3-0.4	170	4.9	8	1.36	A2
TP58	0.3-0.4	150	5.2	8	1.20	A2
TP59	0.3-0.4	160	5	8	1.28	A2
TP60	0.3-0.4	200	4.7	8	1.60	A2
TP61	0.3-0.4	470	4.8	8	3.76	A2
TP62	0.3-0.4	390	4.9	8	3.12	A2
TP63	0.3-0.4	200	4.9	8	1.60	B1
TP63	1.0-1.1	1100	4.6	8	8.80	A2
TP64	0.3-0.4	520	5.1	8	4.16	A2
TP64	1.0-1.1	550	4.9	8	4.40	A1
TP65	0.3-0.4	410	5.9	8	3.28	A2
TP65	1.0-1.1	630	5.9	8	5.04	A2
TP66	0.3-0.4	570	6	8	4.56	A1
TP67	0.3-0.4	110	5.7	8	0.88	A1
TP67	1.0-1.1	31	6	8	0.25	A1
TP68	0.3-0.4	140	6	8	1.12	A1
TP68	1.0-1.1	170	5.8	8	1.36	A1
TP69	0.3-0.4	200	6	8	1.60	A1

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Test Pit	Depth (m)	pH	EC (µS/cm)	Multipling Factor	ECe (dS/m)	Exposure Classification
TP69	1.0-1.1	140	5.6	8	1.12	A2
TP70	0.3-0.4	280	5.4	8	2.24	A1
TP70	1.0-1.1	230	5.6	8	1.84	A1
TP71	0.3-0.4	98	5.9	8	0.78	A1
TP71	1.0-1.1	290	5.4	8	2.32	A2
TP72	0.3-0.4	230	5.5	8	1.84	A2
TP72	1.0-1.1	450	5.1	8	3.60	A2
TP73	0.3-0.4	310	5.1	8	2.48	A2
TP73	1.0-1.1	340	4.8	8	2.72	A2
TP74	0.3-0.4	350	5.2	8	2.80	A2
TP74	1.0-1.1	420	5.3	8	3.36	A2
TP75	0.3-0.4	380	5.4	8	3.04	A2
TP75	1.0-1.1	360	5.2	8	2.88	A2
TP76	0.3-0.4	340	5.4	8	2.72	A2
TP76	1.0-1.1	780	5	8	6.24	A2
TP77	0.3-0.4	310	5.5	8	2.48	A2
TP77	1.0-1.1	670	4.9	8	5.36	A2
TP78	0.3-0.4	260	5.6	8	2.08	A1
TP78	1.0-1.1	730	5	8	5.84	A2
TP79	0.3-0.4	630	5	8	5.04	A2
TP79	1.0-1.1	620	4.7	8	4.96	A2
TP80	0.3-0.4	610	5	8	4.88	A2
TP80	1.0-1.1	560	4.8	8	4.48	A2
TP81	0.3-0.4	350	5.2	8	2.80	A2
TP81	1.0-1.1	280	5.2	8	2.24	A2
TP82	0.3-0.4	350	5.2	8	2.80	A2
TP82	1.0-1.1	350	5.2	8	2.80	A2
TP83	0.3-0.4	330	5.3	8	2.64	A2
TP83	1.0-1.1	310	5	8	2.48	A2
TP84	0.3-0.4	410	5.1	8	3.28	A2
TP84	1.0-1.1	340	5.2	8	2.72	A2
TP85	0.3-0.4	420	5.1	8	3.36	A2
TP85	1.0-1.1	380	4.9	8	3.04	A2
TP86	0.3-0.4	330	4.9	8	2.64	A2
TP86	1.0-1.1	360	5.2	8	2.88	A2

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Newpark – Precinct 7 Stage 7A - Abell Road, Marsden Park

Test Pit	Depth (m)	pH	EC (µS/cm)	Multipling Factor	ECe (dS/m)	Exposure Classification
TP87	0.3-0.4	420	4.9	8	3.36	A2
TP87	1.0-1.1	390	4.9	8	3.12	A2
TP88	0.3-0.4	550	4.9	8	4.40	A2
TP88	1.0-1.1	140	5.4	8	1.12	A2
TP89	0.3-0.4	240	5.5	8	1.92	A2
TP89	1.0-1.1	260	5.2	8	2.08	A2
TP90	0.3-0.4	560	5.2	8	4.48	A2
TP90	1.0-1.1	610	5.1	8	4.88	A2
TP91	0.3-0.4	270	5.4	8	2.16	A2
TP91	1.0-1.1	280	5.2	8	2.24	A2
TP92	0.3-0.4	190	5.4	8	1.52	A2
TP92	1.0-1.1	270	5.3	8	2.16	A2
TP93	0.3-0.4	210	5.7	8	1.68	A1
TP93	1.0-1.1	260	5.3	8	2.08	A2
TP94	0.3-0.4	180	5.6	8	1.44	A1
TP94	1.0-1.1	130	5.9	8	1.04	A1
TP95	0.3-0.4	160	5.9	8	1.28	A1
TP95	1.0-1.1	250	5.4	8	2.00	A2
TP96	0.3-0.4	220	5.6	8	1.76	A1
TP96	1.0-1.1	230	5.6	8	1.84	A1
TP97	0.3-0.4	360	5.4	8	2.88	A2
TP97	1.0-1.1	270	5.5	8	2.16	A2
TP98	0.3-0.4	160	5.7	8	1.28	A1
TP98	1.0-1.1	190	5.7	8	1.52	A1
TP99	0.3-0.4	210	5.4	8	1.68	A2
TP99	1.0-1.1	280	5.3	8	2.24	A2
TP100	0.3-0.4	500	5.2	8	4.00	A2
TP100	1.0-1.1	720	4.7	8	5.76	A2
TP101	0.3-0.4	270	5.1	8	2.16	A2
TP101	1.0-1.1	200	5.1	8	1.60	A2
TP102	0.3-0.4	240	5.1	8	1.92	A2
TP102	1.0-1.1	210	5.2	8	1.68	A2
TP103	0.3-0.4	230	5.3	8	1.84	A2
TP103	1.0-1.1	260	5	8	2.08	A2
TP104	0.3-0.4	250	5.3	8	2.00	A2

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Newpark – Precinct 7 Stage 7A - Abell Road, Marsden Park

Test Pit	Depth (m)	pH	EC (µS/cm)	Multipling Factor	ECe (dS/m)	Exposure Classification
TP104	1.0-1.1	370	4.9	8	2.96	A2
TP105	0.3-0.4	290	5.1	8	2.32	A2
TP105	1.0-1.1	310	4.9	8	2.48	A2
TP106	0.3-0.4	290	4.8	8	2.32	A2
TP106	1.0-1.1	270	4.7	8	2.16	A2
TP107	0.3-0.4	240	4.7	8	1.92	A2
TP107	1.0-1.1	340	4.8	8	2.72	A2
TP108	0.3-0.4	280	4.7	8	2.24	A2
TP108	1.0-1.1	240	4.7	8	1.92	A2
TP109	0.3-0.4	290	4.9	8	2.32	A2
TP109	1.0-1.1	300	4.7	8	2.40	A2
TP110	0.3-0.4	290	4.6	8	2.32	A2
TP110	1.0-1.1	290	4.6	8	2.32	A2
TP111	0.3-0.4	330	4.6	8	2.64	A2
TP111	1.0-1.1	300	4.7	8	2.40	A2
TP112	0.3-0.4	34	5.3	8	0.27	A2
TP112	1.0-1.1	260	4.7	8	2.08	A2
TP113	0.3-0.4	240	4.9	8	1.92	A2
TP113	1.0-1.1	230	4.7	8	1.84	A2
TP114	0.3-0.4	300	4.5	8	2.40	B1
TP114	1.0-1.1	230	5	8	1.84	A2
TP115	0.3-0.4	280	5.1	8	2.24	A2
TP115	1.0-1.1	330	5	8	2.64	A2
TP116	0.3-0.4	330	5	8	2.64	A2
TP116	1.0-1.1	350	4.9	8	2.80	A2
TP117	0.3-0.4	350	4.9	8	2.80	A2
TP117	1.0-1.1	340	5	8	2.72	A2
TP118	0.3-0.4	340	5	8	2.72	A2
TP118	1.0-1.1	380	5	8	3.04	A2
TP119	0.3-0.4	310	7.4	8	2.48	A1
TP119	1.0-1.1	330	6.3	8	2.64	A1
TP120	0.3-0.4	310	6.3	8	2.48	A1
TP120	1.0-1.1	400	7.1	8	3.20	A1
TP121	0.3-0.4	180	6.2	8	1.44	A1
TP121	1.0-1.1	380	6.7	8	3.04	A1

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Newpark – Precinct 7 Stage 7A - Abell Road, Marsden Park

Test Pit	Depth (m)	pH	EC (µS/cm)	Multiplying Factor	ECe (dS/m)	Exposure Classification
TP122	0.3-0.4	290	5.9	8	2.32	A1
TP122	1.0-1.1	350	6.1	8	2.80	A1
TP123	0.3-0.4	270	6.4	8	2.16	A1
TP123	1.0-1.1	180	6.2	8	1.44	A1
TP124	0.3-0.4	290	5.9	8	2.32	A1
TP124	1.0-1.1	280	5.7	8	2.24	A1
TP125	0.3-0.4	320	6	8	2.56	A1
TP125	1.0-1.1	270	6.2	8	2.16	A1
TP126	0.3-0.4	380	4.7	8	3.04	A2
TP126	1.0-1.1	360	4.8	8	2.88	A2
TP127	0.3-0.4	370	4.8	8	2.96	A2
TP127	1.0-1.1	370	4.8	8	2.96	A2
TP128	0.3-0.4	40	6	8	0.32	A1
TP128	1.0-1.1	75	5	8	0.60	A2
TP125	0.3-0.4	240	5.9	8	1.92	A1
TP128	1.0-1.1	-	-	8	#VALUE!	A1
TP129	0.3-0.4	300	6.3	8	2.40	A1
TP129	1.0-1.1	320	6.6	8	2.56	A1
TP130	0.3-0.4	340	5.6	8	2.72	A1
TP130	1.0-1.1	300	5.9	8	2.40	A1
TP131	0.3-0.4	250	5.7	8	2.00	A1
TP131	1.0-1.1	320	5.9	8	2.56	A1
TP132	0.3-0.4	330	5.9	8	2.64	A1
TP132	1.0-1.1	360	5.8	8	2.88	A1

* The multiplication factor (MF) is a function of the soil texture and description (Site Investigations for Urban Salinity – 2002)

Specifications

Electrical Conductivity (EC) testing was carried out to assess soil salinity, as outlined in the Department of Environment and Heritage (DEH) publication, “*Site Investigations for Urban Salinity - 2002*”. The test conducted on a soil sample for salinity is generally made up of 1:5 soil water suspension, which is one part air dried soil to five parts distilled water. The determined EC is multiplied by a factor based on the texture of the soil sample (varying from 6 to 17) to obtain Corrected Electrical Conductivity designated as EC_e. Based on site observation, a multiplication factor of 8 was used for the soil encountered during field work. The DEH publication defines various classes of saline soils as follows:

Classification	EC _e (dS/m)	Exposure Classification AS2870-2011
Non-saline	<2	A1
Slightly saline	2 – 4	
Moderately saline	4 – 8	A2
Very saline	8 – 16	B1
Highly saline	>16	B2

Acidity (pH) testing was also conducted to determine the aggressivity of the soils to steel and concrete. The various classes of aggressive soils are defined as follows according to AS2870-2011.

Classification	pH	Exposure Classification AS2870-2011
Non-aggressive	>5.5	A1
Mild	4.5-5.5	A2
Moderate	4.0-4.5	B1
Severe	<4.0	B2

Based on the results, it is assessed that soils at the site are generally moderately saline and mildly aggressive to steel and concrete.

Conclusion

Based on the procedures described in AS2870-2011 the exposure classifications for the proposed lots are shown in Table 3 below:

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Newpark – Precinct 7 Stage 7A - Abell Road, Marsden Park

Table 3 – Site Exposure Classifications (AS2870-2011)

Lot	Site Classification	Lot	Site Classification	Lot	Site Classification
7101	A2	7134	B1	7167	A2
7102	A2	7135	B1	7168	A2
7103	A2	7136	B1	7169	A2
7104	A2	7137	B1	7170	A2
7105	A2	7138	A2	7171	A2
7106	A2	7139	A2	7172	A2
7107	A2	7140	A2	7173	A2
7108	A2	7141	A2	7174	A2
7109	A2	7142	A2	7175	A2
7110	A2	7143	A2	7176	A2
7111	A2	7144	A2	7177	A2
7112	A2	7145	A2	7178	A2
7113	A2	7146	A2	7179	A2
7114	A2	7147	A2	7180	A2
7115	B1	7148	A2	7181	B1
7116	B1	7149	A2	7182	B1
7117	A2	7150	A2	7183	B1
7118	A2	7151	A2	7184	B1
7119	A2	7152	A2	7185	B1
7120	A2	7153	A2	7186	B1
7121	A2	7154	A2	7187	B1
7122	A2	7155	A2	7188	B1
7123	A2	7156	A2	7189	A2
7124	A2	7157	A2	7190	A2
7125	A2	7158	A2	7191	A2
7126	A2	7159	A2	7192	A2
7127	A2	7160	A2	7193	A2
7128	A2	7161	A2	7194	A2
7129	A2	7162	A2	7195	A2
7130	B1	7163	B1	7196	A2
7131	B1	7164	B1	7197	B1
7132	B1	7165	A2	7198	B1
7133	B1	7166	A2	7199	A2

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Newpark – Precinct 7 Stage 7A - Abell Road, Marsden Park

Lot	Site Classification	Lot	Site Classification	Lot	Site Classification
7200	A2	7233	A2	7266	A2
7201	A2	7234	A2	7267	A2
7202	A2	7235	A2	7268	A2
7203	A2	7236	A2	7269	A2
7204	A2	7237	A2	7270	A2
7205	A2	7238	A2	7271	A2
7206	A2	7239	A2	7272	A2
7207	A2	7240	A2	7273	A2
7208	A2	7241	A2	7274	A2
7209	A2	7242	A2	7275	A2
7210	A2	7243	A2	7276	A2
7211	A2	7244	A2	7277	A2
7212	A2	7245	A2	7278	A2
7213	A2	7246	A2	7279	A2
7214	A2	7247	A2	7280	A2
7215	B1	7248	A2	7281	A2
7216	B1	7249	A2	7282	A2
7217	A2	7250	A2	7283	A2
7218	A2	7251	A2	7284	A2
7219	A2	7252	A2	7285	A2
7220	A2	7253	A2	7286	A2
7221	A2	7254	A2	7287	A2
7222	A2	7255	A2	7288	A2
7223	A2	7256	A2	7289	A2
7224	A2	7257	A2	7290	A2
7225	A2	7258	A2	7291	A2
7226	A2	7259	A2	7292	A2
7227	A2	7260	A2	7293	A2
7228	A2	7261	A2	7294	A2
7229	A2	7262	A2	7295	A2
7230	A2	7263	A2	7296	A2
7231	A2	7264	A2	7297	A2
7232	A2	7265	A2	7298	A2

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Newpark – Precinct 7 Stage 7A - Abell Road, Marsden Park

Lot	Site Classification	Lot	Site Classification	Lot	Site Classification
7299	A2	7328	A2	7357	A2
7300	A2	7329	A2	7358	A2
7301	A2	7330	A2	7359	A2
7302	A2	7331	A2	7360	A2
7303	A2	7332	A2	7361	A2
7304	A2	7333	A2	7362	A2
7305	A2	7334	A2	7363	A2
7306	A2	7335	A2	7364	A2
7307	A2	7336	A2	7365	A2
7308	A2	7337	A2	7366	A2
7309	A2	7338	A2	7367	A2
7310	A2	7339	A2	7368	A2
7311	A2	7340	A2	7369	A2
7312	A2	7341	A2	7370	A2
7313	A2	7342	A2	7371	A2
7314	A2	7343	B1	7372	A2
7315	A2	7344	B1	7373	A2
7316	A2	7345	B1	7374	A2
7317	A2	7346	A2	7375	A2
7318	A2	7347	A2	7376	A2
7319	A2	7348	A2	7377	A2
7320	A2	7349	A2	7378	A2
7321	A2	7350	A2	7379	A2
7322	A2	7351	A2	7380	A2
7323	A2	7352	A2	7381	A2
7324	A2	7353	A2	7382	A2
7325	A2	7354	A2	7383	A2
7326	A2	7355	A2	7384	A2
7327	A2	7356	A2		

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Newpark – Precinct 7 Stage 7A - Abell Road, Marsden Park

Based on the results of the post site works salinity assessment, the site is suitable for the residential subdivision development. The construction requirements for A1, A2 & B1 classifications are shown below (AS2870-2011, Table 5.3).

Classification	Minimum Design Characteristic Strength	Minimum Initial Curing
A1	20 MPa	3 days
A2	25 MPa	3 days
B1	32 MPa	7 days
B2	40 MPa	7 days

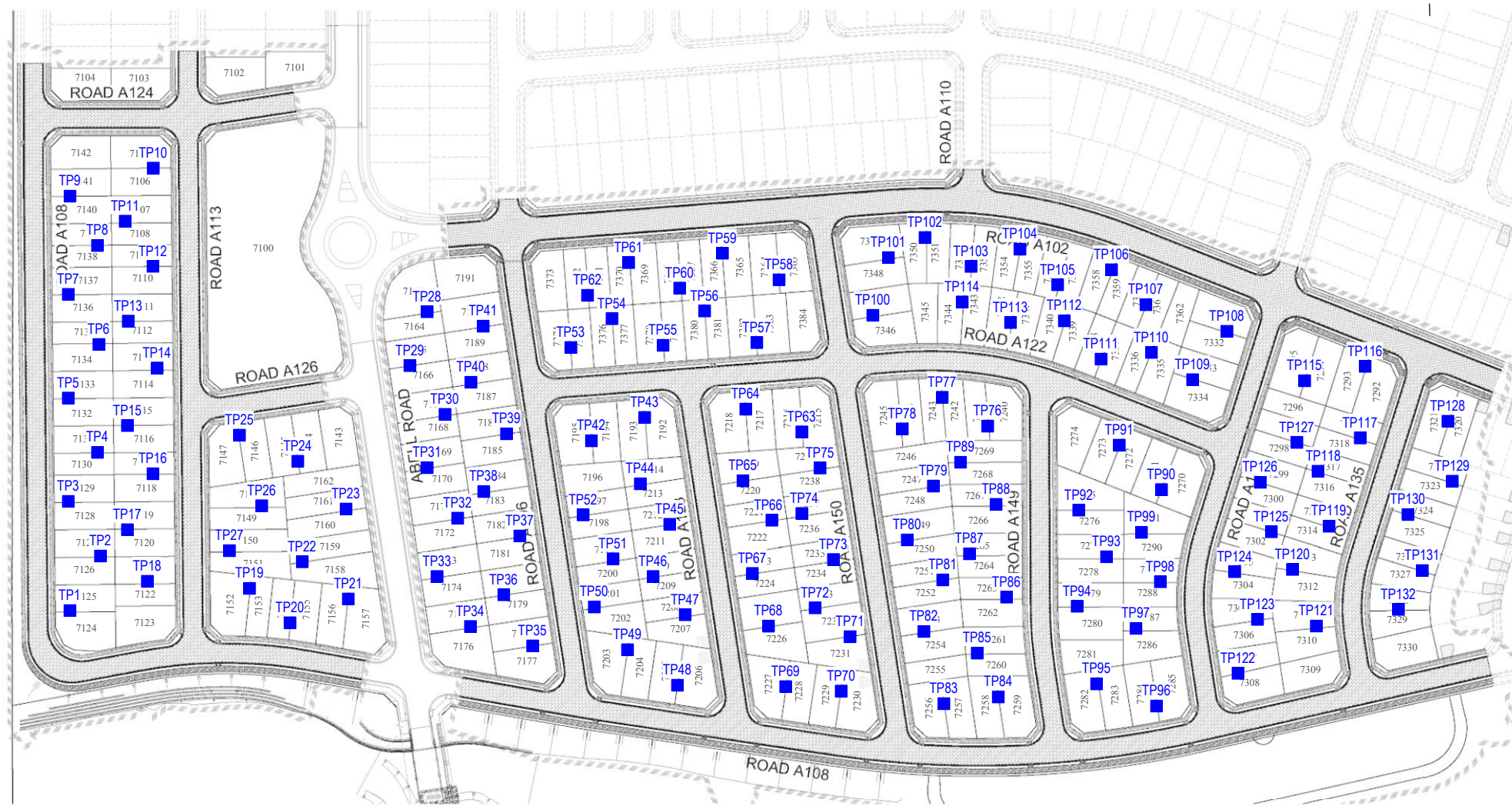
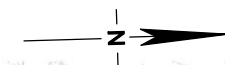
If you have any questions, please do not hesitate to contact the undersigned.

Yours faithfully
GEOTECH TESTING PTY LTD



RAM RAVI-INDRAN
Geotechnical Engineer

Attached Drawing No 8599/75-AA1 - Test Pit Location Plan
 Table A – Summary of Test Pits
 SGS Laboratory Test Results



LEGEND

■ Test Pit



34 Borec Road
Penrith
NSW 2750
ABN 71 076 676 321

Ph: 02 4722 2744
Fx: 02 4722 2777
www.geotech.com.au
e-mail: info@geotech.com.au

NOTES

1. Site features are indicative and are not to scale.
2. This drawing has been produced using a base plan provided by others to which additional information e.g test pits, borehole locations or notes have been added. Some or all of the plan may not be relevant at the time of producing this drawing

Daracon Contractors Pty Ltd
Residential Development
Woorong Park Marsden Park Precinct
Newpark 7A

Test Pit Locations

Drawing No: 8599/75-AA1
Job No: 8599/75
Drawn By: MH
Date: 1 November 2021
Checked By: RR

File No: 8599-75
Layers: 0, AA1

TABLE A

Job No: 8599/75
Our Ref: 8599/75-AA

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TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP1	0.0-0.8	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.8-1.5	1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP2	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP3	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP4	0.0-0.9	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.9-1.5	1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP5	0.0-0.6	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.6-1.5	1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP6	0.0-0.8	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.8-1.5	1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff

TABLE A

Job No: 8599/75
Our Ref: 8599/75-AA

TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP7	0.0-0.8	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.8-1.5	1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP8	0.0-0.6	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.6-1.5	1.0-1.1 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
TP9	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	(CL-CI) Silty Sandy CLAY, low to medium plasticity, brown, with gravel, M<PL, stiff to very stiff
TP10	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	(CL-CI) Silty Sandy CLAY, low to medium plasticity, brown, with gravel, M<PL, stiff to very stiff
TP11	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	(CL-CI) Silty Sandy CLAY, low to medium plasticity, brown, with gravel, M<PL, stiff to very stiff
TP12	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
TP13	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
TP14	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted

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TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP15	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
TP16	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
TP17	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
TP18	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
TP19	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP20	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP21	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP22	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP23	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP24	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP25	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted

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TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP26	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP27	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP28	0.0-0.8	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.8-1.5	1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel, pebble and cobble, M<PL, very stiff to hard
TP29	0.0-0.6	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.6-1.5	1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel, pebble and cobble, M<PL, very stiff to hard
TP30	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP31	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP32	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted

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TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP33	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP34	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP35	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP36	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with gravel, cobble, pebble and boulder, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP37	0.0-0.8	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.8-1.5	1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel, pebble and cobble, M<PL, very stiff to hard
TP38	0.0-0.8	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.8-1.5	1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel, pebble and cobble, M<PL, very stiff to hard

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TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP39	0.0-0.8	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.8-1.5	1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel, pebble and cobble, M<PL, very stiff to hard
TP40	0.0-0.8	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.8-1.5	1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel, pebble and cobble, M<PL, very stiff to hard
TP41	0.0-0.8	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.8-1.5	1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel, pebble and cobble, M<PL, very stiff to hard
TP42	0.0-0.8	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.8-1.5	1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel, pebble and cobble, M<PL, very stiff to hard
TP43	0.0-0.6	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.6-1.5	1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel, pebble and cobble, M<PL, very stiff to hard
TP44	0.0-0.8	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.8-1.5	1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel, pebble and cobble, M<PL, very stiff to hard
TP45	0.0-0.8	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.8-1.5	1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel, pebble and cobble, M<PL, very stiff to hard

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TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP46	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP47	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP48	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP49	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP50	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP51	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.5-1.5	1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP52	0.0-0.5	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.5-1.5	1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel, pebble and cobble, M<PL, very stiff to hard

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TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP53	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP54	0.0-0.5	0.3-0.4 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
	0.5-1.5	0.6-0.9 (U ₅₀) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP55	0.0-0.5	0.3-0.4 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
	0.5-1.5	1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP56	0.0-0.5	0.3-0.4 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
	0.5-1.5	1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP57	0.0-0.8	0.3-0.4 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
	0.8-0.9		Refusal due to boulder
TP58	0.0-1.0	0.3-0.4 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
	1.0-1.1		Refusal due to boulder
TP59	0.0-0.5	0.3-0.4 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
	0.5-0.6		Refusal due to boulder
TP60	0.0-0.6	0.3-0.4 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
	0.6-0.7		Refusal due to boulder
TP61	0.0-0.6	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.6-0.7		Refusal due to boulder

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TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP62	0.0-0.7	0.3-0.4 (DS)	(CL-CI) Silty CLAY, low to medium plasticity, orange-brown, M<PL, very stiff
	0.7-0.8		Refusal due to boulder
TP63	0.0-0.3	0.3-0.4 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.3-1.5	0.5-0.8 (U ₅₀) 1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP64	0.0-0.2		FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CI) Silty CLAY, medium plasticity, red-brown mottled grey, with ironstone gravel, pebble and cobble, M<PL, very stiff to hard
TP65	0.0-0.3		FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.3-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
TP66	0.0-0.2		FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.2-0.6	0.3-0.4 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
	0.6-0.7		Refusal due to boulder
TP67	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP68	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP69	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted

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TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP70	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP71	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP72	0.0-0.4	0.3-0.4 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.4-1.5	1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP73	0.0-0.1		FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.1-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP74	0.0-0.1		FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.1-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP75	0.0-0.1		FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.1-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP76	0.0-0.5	0.3-0.4 (DS) 0.4-0.7 (U ₅₀)	(CL) Silty Sandy CLAY, low plasticity, brown, M<PL, very stiff
	0.5-1.5	1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP77	0.0-0.5	0.3-0.4 (DS)	(CL) Silty Sandy CLAY, low plasticity, brown, M<PL, very stiff
	0.5-1.5	1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff

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TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP78	0.0-0.5	0.3-0.4 (DS)	(CL) Silty Sandy CLAY, low plasticity, brown, M<PL, very stiff
	0.5-1.5	1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP79	0.0-0.6	0.3-0.4 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
	0.6-1.5	1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP80	0.0-0.6	0.3-0.4 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
	0.6-1.5	1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP81	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP82	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP83	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP84	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP85	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP86	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP87	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP88	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted

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TP89	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP90	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP91	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
TP92	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
TP93	0.0-1.0	0.3-0.4 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
	1.0-1.5	1.0-1.1 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
TP94	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP95	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP96	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP97	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP98	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP99	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
TP100	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff

TABLE A

Job No: 8599/75
Our Ref: 8599/75-AA

TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP101	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP102	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard
TP103	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP104	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP105	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP106	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP107	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP108	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP109	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff

TABLE A

Job No: 8599/75
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TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP110	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP111	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP112	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP113	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP114	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, brown and grey, with pebbles and cobbles, M<PL, stiff to very stiff
TP115	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, grey mottled brown, with ironstone gravel, M<PL, very stiff
TP116	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, grey mottled brown, with ironstone gravel, M<PL, very stiff
TP117	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, grey mottled brown, with ironstone gravel, M<PL, very stiff
TP118	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, grey mottled brown, with ironstone gravel, M<PL, very stiff

TABLE A

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TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP119	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP120	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP121	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP122	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP123	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP124	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP125	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
TP126	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, grey mottled brown, with ironstone gravel, M<PL, very stiff
TP127	0.0-0.2		TOPSOIL: Silty Sandy Clay, low plasticity, dark brown
	0.2-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	(CH) Silty CLAY, high plasticity, grey mottled brown, with ironstone gravel, M<PL, very stiff
TP128	0.0-0.7	0.3-0.4 (DS)	FILL: Silty Sandy Clay, low to medium plasticity, brown, with gravel, cobbles and pebbles, M<OMC, well compacted
	0.7-1.5	1.0-1.1 (DS)	(CI-CH) Silty CLAY, medium to high plasticity, red-brown, with cobbles, boulders, M<PL, very stiff to hard

TABLE A

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TEST PIT	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP129	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP130	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP131	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted
TP132	0.0-1.5	0.3-0.4 (DS) 1.0-1.1 (DS)	FILL: Silty Clay, medium to high plasticity, brown, with cobble and gravel, M<OMC, well compacted

CLIENT DETAILS

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 Date Reported 10/11/2021

COMMENTS

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

SIGNATORIES



Dong LIANG
 Metals/Inorganics Team Leader



Shane MCDERMOTT
 Inorganic/Metals Chemist

pH in soil (1:5) [AN101] Tested: 5/11/2021

PARAMETER	UOM	LOR	TP1 SOIL 0.3-0.4 1/11/2021 SE225344.001	TP1 SOIL 1.0-1.1 1/11/2021 SE225344.002	TP2 SOIL 0.3-0.4 1/11/2021 SE225344.003	TP2 SOIL 1.0-1.1 1/11/2021 SE225344.004	TP3 SOIL 0.3-0.4 1/11/2021 SE225344.005
pH	pH Units	0.1	6.3	7.6	5.9	7.5	7.1

PARAMETER	UOM	LOR	TP3 SOIL 1.0-1.1 1/11/2021 SE225344.006	TP4 SOIL 0.3-0.4 1/11/2021 SE225344.007	TP4 SOIL 1.0-1.1 1/11/2021 SE225344.008	TP5 SOIL 0.3-0.4 1/11/2021 SE225344.009	TP5 SOIL 1.0-1.1 1/11/2021 SE225344.010
pH	pH Units	0.1	7.5	5.2	4.5	4.7	4.3

PARAMETER	UOM	LOR	TP6 SOIL 0.3-0.4 1/11/2021 SE225344.011	TP6 SOIL 1.0-1.1 1/11/2021 SE225344.012	TP7 SOIL 0.3-0.4 1/11/2021 SE225344.013	TP7 SOIL 1.0-1.1 1/11/2021 SE225344.014	TP8 SOIL 0.3-0.4 1/11/2021 SE225344.015
pH	pH Units	0.1	5.0	4.5	4.9	4.3	4.6

PARAMETER	UOM	LOR	TP8 SOIL 1.0-1.1 1/11/2021 SE225344.016	TP9 SOIL 0.3-0.4 1/11/2021 SE225344.017	TP9 SOIL 1.0-1.1 1/11/2021 SE225344.018	TP10 SOIL 0.3-0.4 1/11/2021 SE225344.019	TP10 SOIL 1.0-1.1 1/11/2021 SE225344.020
pH	pH Units	0.1	5.3	4.8	5.2	4.7	5.2

PARAMETER	UOM	LOR	TP11 SOIL 0.3-0.4 1/11/2021 SE225344.021	TP11 SOIL 1.0-1.1 1/11/2021 SE225344.022	TP12 SOIL 0.3-0.4 1/11/2021 SE225344.023	TP12 SOIL 1.0-1.1 1/11/2021 SE225344.024	TP13 SOIL 0.3-0.4 1/11/2021 SE225344.025
pH	pH Units	0.1	5.9	5.4	4.8	5.1	4.7

PARAMETER	UOM	LOR	TP13 SOIL 1.0-1.1 1/11/2021 SE225344.026	TP14 SOIL 0.3-0.4 1/11/2021 SE225344.027	TP14 SOIL 1.0-1.1 1/11/2021 SE225344.028	TP15 SOIL 0.3-0.4 1/11/2021 SE225344.029	TP15 SOIL 1.0-1.1 1/11/2021 SE225344.030
pH	pH Units	0.1	5.2	4.7	4.8	4.7	4.5

PARAMETER	UOM	LOR	TP16 SOIL 0.3-0.4 1/11/2021 SE225344.031	TP16 SOIL 1.0-1.1 1/11/2021 SE225344.032	TP17 SOIL 0.3-0.4 1/11/2021 SE225344.033	TP17 SOIL 1.0-1.1 1/11/2021 SE225344.034	TP18 SOIL 0.3-0.4 1/11/2021 SE225344.035
pH	pH Units	0.1	6.7	7.0	7.3	7.0	6.9

pH in soil (1:5) [AN101] Tested: 5/11/2021 (continued)

PARAMETER	UOM	LOR	TP18 SOIL 1.0-1.1 1/11/2021 SE225344.036	TP19 SOIL 0.3-0.4 1/11/2021 SE225344.037	TP19 SOIL 1.0-1.1 1/11/2021 SE225344.038	TP20 SOIL 0.3-0.4 1/11/2021 SE225344.039	TP20 SOIL 1.0-1.1 1/11/2021 SE225344.040
pH	pH Units	0.1	7.1	5.1	5.1	5.0	5.0

PARAMETER	UOM	LOR	TP21 SOIL 0.3-0.4 1/11/2021 SE225344.041	TP21 SOIL 1.0-1.1 1/11/2021 SE225344.042	TP22 SOIL 0.3-0.4 1/11/2021 SE225344.043	TP22 SOIL 1.0-1.1 1/11/2021 SE225344.044	TP23 SOIL 0.3-0.4 1/11/2021 SE225344.045
pH	pH Units	0.1	5.3	5.2	5.2	5.2	5.2

PARAMETER	UOM	LOR	TP23 SOIL 1.0-1.1 1/11/2021 SE225344.046	TP24 SOIL 0.3-0.4 1/11/2021 SE225344.047	TP24 SOIL 1.0-1.1 1/11/2021 SE225344.048	TP25 SOIL 0.3-0.4 1/11/2021 SE225344.049	TP25 SOIL 1.0-1.1 1/11/2021 SE225344.050
pH	pH Units	0.1	5.2	5.2	5.3	5.3	5.4

PARAMETER	UOM	LOR	TP26 SOIL 0.3-0.4 1/11/2021 SE225344.051	TP26 SOIL 1.0-1.1 1/11/2021 SE225344.052	TP27 SOIL 0.3-0.4 1/11/2021 SE225344.053	TP27 SOIL 1.0-1.1 1/11/2021 SE225344.054	TP28 SOIL 0.3-0.4 1/11/2021 SE225344.055
pH	pH Units	0.1	5.4	5.2	5.2	5.2	5.2

PARAMETER	UOM	LOR	TP28 SOIL 1.0-1.1 1/11/2021 SE225344.056	TP29 SOIL 0.3-0.4 1/11/2021 SE225344.057	TP29 SOIL 1.0-1.1 1/11/2021 SE225344.058	TP30 SOIL 0.3-0.4 1/11/2021 SE225344.059	TP30 SOIL 1.0-1.1 1/11/2021 SE225344.060
pH	pH Units	0.1	4.5	5.4	4.7	5.7	5.1

PARAMETER	UOM	LOR	TP31 SOIL 0.3-0.4 1/11/2021 SE225344.061	TP31 SOIL 1.0-1.1 1/11/2021 SE225344.062	TP32 SOIL 0.3-0.4 1/11/2021 SE225344.063	TP32 SOIL 1.0-1.1 1/11/2021 SE225344.064	TP33 SOIL 0.3-0.4 1/11/2021 SE225344.065
pH	pH Units	0.1	5.4	5.3	5.6	5.1	5.3

PARAMETER	UOM	LOR	TP33 SOIL 1.0-1.1 1/11/2021 SE225344.066	TP34 SOIL 0.3-0.4 1/11/2021 SE225344.067	TP34 SOIL 1.0-1.1 1/11/2021 SE225344.068	TP35 SOIL 0.3-0.4 1/11/2021 SE225344.069	TP35 SOIL 1.0-1.1 1/11/2021 SE225344.070
pH	pH Units	0.1	5.1	5.4	5.2	5.5	5.0

pH in soil (1:5) [AN101] Tested: 5/11/2021 (continued)

			TP36	TP36	TP37	TP37	TP38
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.071	SE225344.072	SE225344.073	SE225344.074	SE225344.075
pH	pH Units	0.1	5.3	5.1	5.0	4.5	5.2

			TP38	TP39	TP39	TP40	TP40
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.076	SE225344.077	SE225344.078	SE225344.079	SE225344.080
pH	pH Units	0.1	4.4	5.2	4.4	5.3	4.4

			TP41	TP41	TP42	TP42	TP43
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.081	SE225344.082	SE225344.083	SE225344.084	SE225344.085
pH	pH Units	0.1	5.8	4.8	6.0	5.1	5.6

			TP43	TP44	TP44	TP45	TP45
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.086	SE225344.087	SE225344.088	SE225344.089	SE225344.090
pH	pH Units	0.1	5.0	5.7	5.0	5.5	5.0

			TP46	TP46	TP47	TP47	TP48
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.091	SE225344.092	SE225344.093	SE225344.094	SE225344.095
pH	pH Units	0.1	5.6	5.5	5.7	5.4	5.7

			TP48	TP49	TP49	TP50	TP50
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.096	SE225344.097	SE225344.098	SE225344.099	SE225344.100
pH	pH Units	0.1	5.4	5.7	5.3	5.5	5.3

			TP51	TP51	TP52	TP52	TP53
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.101	SE225344.102	SE225344.103	SE225344.104	SE225344.105
pH	pH Units	0.1	5.5	4.7	5.4	4.5	4.7

pH in soil (1:5) [AN101] Tested: 5/11/2021 (continued)

			TP53	TP54	TP54	TP55	TP55
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.106	SE225344.107	SE225344.108	SE225344.109	SE225344.110
pH	pH Units	0.1	4.6	4.9	4.8	5.0	4.8

			TP56	TP56	TP57	TP58	TP59
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.111	SE225344.112	SE225344.113	SE225344.114	SE225344.115
pH	pH Units	0.1	5.0	4.7	4.9	5.2	5.0

			TP60	TP61	TP62	TP63	TP63
			SOIL 0.3-0.4 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.116	SE225344.117	SE225344.118	SE225344.119	SE225344.120
pH	pH Units	0.1	4.7	4.8	4.9	4.9	4.6

			TP64	TP64	TP65	TP65	TP66
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.121	SE225344.122	SE225344.123	SE225344.124	SE225344.125
pH	pH Units	0.1	5.1	4.9	5.9	5.9	6.0

			TP67	TP67	TP68	TP68	TP69
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.126	SE225344.127	SE225344.128	SE225344.129	SE225344.130
pH	pH Units	0.1	5.7	6.0	6.0	5.8	6.0

			TP69	TP70	TP70	TP71	TP71
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.131	SE225344.132	SE225344.133	SE225344.134	SE225344.135
pH	pH Units	0.1	5.6	5.4	5.6	5.9	5.4

			TP72	TP72	TP73	TP73	TP74
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.136	SE225344.137	SE225344.138	SE225344.139	SE225344.140
pH	pH Units	0.1	5.5	5.1	5.1	4.8	5.2

pH in soil (1:5) [AN101] Tested: 5/11/2021 (continued)

			TP74	TP75	TP75	TP76	TP76
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.141	SE225344.142	SE225344.143	SE225344.144	SE225344.145
pH	pH Units	0.1	5.3	5.4	5.2	5.4	5.0

			TP77	TP77	TP78	TP78	TP79
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.146	SE225344.147	SE225344.148	SE225344.149	SE225344.150
pH	pH Units	0.1	5.5	4.9	5.6	5.0	5.0

			TP79	TP80	TP80	TP81	TP81
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.151	SE225344.152	SE225344.153	SE225344.154	SE225344.155
pH	pH Units	0.1	4.7	5.0	4.8	5.2	5.2

			TP82	TP82	TP83	TP83	TP84
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.156	SE225344.157	SE225344.158	SE225344.159	SE225344.160
pH	pH Units	0.1	5.2	5.2	5.3	5.0	5.1

			TP84	TP85	TP85	TP86	TP86
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.161	SE225344.162	SE225344.163	SE225344.164	SE225344.165
pH	pH Units	0.1	5.2	5.1	4.9	4.9	5.2

			TP87	TP87	TP88	TP88	TP89
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.166	SE225344.167	SE225344.168	SE225344.169	SE225344.170
pH	pH Units	0.1	4.9	4.9	4.9	5.4	5.5

			TP89	TP90	TP90	TP91	TP91
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.171	SE225344.172	SE225344.173	SE225344.174	SE225344.175
pH	pH Units	0.1	5.2	5.2	5.1	5.4	5.2

pH in soil (1:5) [AN101] Tested: 5/11/2021 (continued)

			TP92	TP92	TP93	TP93	TP94
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.176	SE225344.177	SE225344.178	SE225344.179	SE225344.180
pH	pH Units	0.1	5.4	5.3	5.7	5.3	5.6

			TP94	TP95	TP95	TP96	TP96
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.181	SE225344.182	SE225344.183	SE225344.184	SE225344.185
pH	pH Units	0.1	5.9	5.9	5.4	5.6	5.6

			TP97	TP97	TP98	TP98	TP99
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.186	SE225344.187	SE225344.188	SE225344.189	SE225344.190
pH	pH Units	0.1	5.4	5.5	5.7	5.7	5.4

			TP99	TP100	TP100	TP101	TP101
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.191	SE225344.192	SE225344.193	SE225344.194	SE225344.195
pH	pH Units	0.1	5.3	5.2	4.7	5.1	5.1

			TP102	TP102	TP103	TP103	TP104
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.196	SE225344.197	SE225344.198	SE225344.199	SE225344.200
pH	pH Units	0.1	5.1	5.2	5.3	5.0	5.3

			TP104	TP105	TP105	TP106	TP106
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.201	SE225344.202	SE225344.203	SE225344.204	SE225344.205
pH	pH Units	0.1	4.9	5.1	4.9	4.8	4.7

			TP107	TP107	TP108	TP108	TP109
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.206	SE225344.207	SE225344.208	SE225344.209	SE225344.210
pH	pH Units	0.1	4.7	4.8	4.7	4.7	4.9

pH in soil (1:5) [AN101] Tested: 5/11/2021 (continued)

PARAMETER	UOM	LOR	TP109 SOIL 1.0-1.1 1/11/2021 SE225344.211	TP110 SOIL 0.3-0.4 1/11/2021 SE225344.212	TP110 SOIL 1.0-1.1 1/11/2021 SE225344.213	TP111 SOIL 0.3-0.4 1/11/2021 SE225344.214	TP111 SOIL 1.0-1.1 1/11/2021 SE225344.215
pH	pH Units	0.1	4.7	4.6	4.6	4.6	4.7

PARAMETER	UOM	LOR	TP112 SOIL 0.3-0.4 1/11/2021 SE225344.216	TP112 SOIL 1.0-1.1 1/11/2021 SE225344.217	TP113 SOIL 0.3-0.4 1/11/2021 SE225344.218	TP113 SOIL 1.0-1.1 1/11/2021 SE225344.219	TP114 SOIL 0.3-0.4 1/11/2021 SE225344.220
pH	pH Units	0.1	5.3	4.7	4.9	4.7	4.5

PARAMETER	UOM	LOR	TP114 SOIL 1.0-1.1 1/11/2021 SE225344.221	TP115 SOIL 0.3-0.4 1/11/2021 SE225344.222	TP115 SOIL 1.0-1.1 1/11/2021 SE225344.223	TP116 SOIL 0.3-0.4 1/11/2021 SE225344.224	TP116 SOIL 1.0-1.1 1/11/2021 SE225344.225
pH	pH Units	0.1	5.0	5.1	5.0	5.0	4.9

PARAMETER	UOM	LOR	TP117 SOIL 0.3-0.4 1/11/2021 SE225344.226	TP117 SOIL 1.0-1.1 1/11/2021 SE225344.227	TP118 SOIL 0.3-0.4 1/11/2021 SE225344.228	TP118 SOIL 1.0-1.1 1/11/2021 SE225344.229	TP119 SOIL 0.3-0.4 1/11/2021 SE225344.230
pH	pH Units	0.1	4.9	5.0	5.0	5.0	7.4

PARAMETER	UOM	LOR	TP119 SOIL 1.0-1.1 1/11/2021 SE225344.231	TP120 SOIL 0.3-0.4 1/11/2021 SE225344.232	TP120 SOIL 1.0-1.1 1/11/2021 SE225344.233	TP121 SOIL 0.3-0.4 1/11/2021 SE225344.234	TP121 SOIL 1.0-1.1 1/11/2021 SE225344.235
pH	pH Units	0.1	6.3	6.3	7.1	6.2	6.7

PARAMETER	UOM	LOR	TP122 SOIL 0.3-0.4 1/11/2021 SE225344.236	TP122 SOIL 1.0-1.1 1/11/2021 SE225344.237	TP123 SOIL 0.3-0.4 1/11/2021 SE225344.238	TP123 SOIL 1.0-1.1 1/11/2021 SE225344.239	TP124 SOIL 0.3-0.4 1/11/2021 SE225344.240
pH	pH Units	0.1	5.9	6.1	6.4	6.2	5.9

PARAMETER	UOM	LOR	TP124 SOIL 1.0-1.1 1/11/2021 SE225344.241	TP125 SOIL 0.3-0.4 1/11/2021 SE225344.242	TP125 SOIL 1.0-1.1 1/11/2021 SE225344.243	TP126 SOIL 0.3-0.4 1/11/2021 SE225344.244	TP126 SOIL 1.0-1.1 1/11/2021 SE225344.245
pH	pH Units	0.1	5.7	6.0	6.2	4.7	4.8

pH in soil (1:5) [AN101] Tested: 5/11/2021 (continued)

			TP127	TP127	TP128	TP128	TP125_1
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.246	SE225344.247	SE225344.248	SE225344.249	SE225344.250
pH	pH Units	0.1	4.8	4.8	6.0	5.0	5.9

			TP129	TP129	TP130	TP130	TP131
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.252	SE225344.253	SE225344.254	SE225344.255	SE225344.256
pH	pH Units	0.1	6.3	6.6	5.6	5.9	5.7

			TP131	TP132	TP132
			SOIL	SOIL	SOIL
			1.0-1.1	0.3-0.4	1.0-1.1
			1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.257	SE225344.258	SE225344.259
pH	pH Units	0.1	5.9	5.9	5.8

Conductivity and TDS by Calculation - Soil [AN106] Tested: 5/11/2021

PARAMETER	UOM	LOR	TP1	TP1	TP2	TP2	TP3
			SOIL 0.3-0.4 1/11/2021 SE225344.001	SOIL 1.0-1.1 1/11/2021 SE225344.002	SOIL 0.3-0.4 1/11/2021 SE225344.003	SOIL 1.0-1.1 1/11/2021 SE225344.004	SOIL 0.3-0.4 1/11/2021 SE225344.005
Conductivity of Extract (1:5 as received)	µS/cm	1	210	180	230	160	210
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	260	200	280	170	250

PARAMETER	UOM	LOR	TP3	TP4	TP4	TP5	TP5
			SOIL 1.0-1.1 1/11/2021 SE225344.006	SOIL 0.3-0.4 1/11/2021 SE225344.007	SOIL 1.0-1.1 1/11/2021 SE225344.008	SOIL 0.3-0.4 1/11/2021 SE225344.009	SOIL 1.0-1.1 1/11/2021 SE225344.010
Conductivity of Extract (1:5 as received)	µS/cm	1	240	410	460	520	560
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	250	470	560	580	700

PARAMETER	UOM	LOR	TP6	TP6	TP7	TP7	TP8
			SOIL 0.3-0.4 1/11/2021 SE225344.011	SOIL 1.0-1.1 1/11/2021 SE225344.012	SOIL 0.3-0.4 1/11/2021 SE225344.013	SOIL 1.0-1.1 1/11/2021 SE225344.014	SOIL 0.3-0.4 1/11/2021 SE225344.015
Conductivity of Extract (1:5 as received)	µS/cm	1	450	510	440	490	390
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	500	620	470	610	440

PARAMETER	UOM	LOR	TP8	TP9	TP9	TP10	TP10
			SOIL 1.0-1.1 1/11/2021 SE225344.016	SOIL 0.3-0.4 1/11/2021 SE225344.017	SOIL 1.0-1.1 1/11/2021 SE225344.018	SOIL 0.3-0.4 1/11/2021 SE225344.019	SOIL 1.0-1.1 1/11/2021 SE225344.020
Conductivity of Extract (1:5 as received)	µS/cm	1	480	370	66	380	65
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	590	420	73	430	74

PARAMETER	UOM	LOR	TP11	TP11	TP12	TP12	TP13
			SOIL 0.3-0.4 1/11/2021 SE225344.021	SOIL 1.0-1.1 1/11/2021 SE225344.022	SOIL 0.3-0.4 1/11/2021 SE225344.023	SOIL 1.0-1.1 1/11/2021 SE225344.024	SOIL 0.3-0.4 1/11/2021 SE225344.025
Conductivity of Extract (1:5 as received)	µS/cm	1	490	570	430	140	400
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	560	230	510	150	450

PARAMETER	UOM	LOR	TP13	TP14	TP14	TP15	TP15
			SOIL 1.0-1.1 1/11/2021 SE225344.026	SOIL 0.3-0.4 1/11/2021 SE225344.027	SOIL 1.0-1.1 1/11/2021 SE225344.028	SOIL 0.3-0.4 1/11/2021 SE225344.029	SOIL 1.0-1.1 1/11/2021 SE225344.030
Conductivity of Extract (1:5 as received)	µS/cm	1	110	410	350	420	430
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	120	460	410	510	510

PARAMETER	UOM	LOR	TP16	TP16	TP17	TP17	TP18
			SOIL 0.3-0.4 1/11/2021 SE225344.031	SOIL 1.0-1.1 1/11/2021 SE225344.032	SOIL 0.3-0.4 1/11/2021 SE225344.033	SOIL 1.0-1.1 1/11/2021 SE225344.034	SOIL 0.3-0.4 1/11/2021 SE225344.035
Conductivity of Extract (1:5 as received)	µS/cm	1	240	220	260	270	240
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	280	240	290	300	270

Conductivity and TDS by Calculation - Soil [AN106] Tested: 5/11/2021 (continued)

PARAMETER	UOM	LOR	TP18	TP19	TP19	TP20	TP20
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021 SE225344.036	0.3-0.4 1/11/2021 SE225344.037	1.0-1.1 1/11/2021 SE225344.038	0.3-0.4 1/11/2021 SE225344.039	1.0-1.1 1/11/2021 SE225344.040
Conductivity of Extract (1:5 as received)	µS/cm	1	200	350	320	300	320
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	230	390	350	330	350

PARAMETER	UOM	LOR	TP21	TP21	TP22	TP22	TP23
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021 SE225344.041	1.0-1.1 1/11/2021 SE225344.042	0.3-0.4 1/11/2021 SE225344.043	1.0-1.1 1/11/2021 SE225344.044	0.3-0.4 1/11/2021 SE225344.045
Conductivity of Extract (1:5 as received)	µS/cm	1	320	360	310	300	280
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	350	400	340	340	310

PARAMETER	UOM	LOR	TP23	TP24	TP24	TP25	TP25
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021 SE225344.046	0.3-0.4 1/11/2021 SE225344.047	1.0-1.1 1/11/2021 SE225344.048	0.3-0.4 1/11/2021 SE225344.049	1.0-1.1 1/11/2021 SE225344.050
Conductivity of Extract (1:5 as received)	µS/cm	1	320	300	320	350	260
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	350	330	360	380	300

PARAMETER	UOM	LOR	TP26	TP26	TP27	TP27	TP28
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021 SE225344.051	1.0-1.1 1/11/2021 SE225344.052	0.3-0.4 1/11/2021 SE225344.053	1.0-1.1 1/11/2021 SE225344.054	0.3-0.4 1/11/2021 SE225344.055
Conductivity of Extract (1:5 as received)	µS/cm	1	300	350	350	340	98
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	330	380	380	380	120

PARAMETER	UOM	LOR	TP28	TP29	TP29	TP30	TP30
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021 SE225344.056	0.3-0.4 1/11/2021 SE225344.057	1.0-1.1 1/11/2021 SE225344.058	0.3-0.4 1/11/2021 SE225344.059	1.0-1.1 1/11/2021 SE225344.060
Conductivity of Extract (1:5 as received)	µS/cm	1	160	220	190	170	300
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	190	250	210	190	350

PARAMETER	UOM	LOR	TP31	TP31	TP32	TP32	TP33
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021 SE225344.061	1.0-1.1 1/11/2021 SE225344.062	0.3-0.4 1/11/2021 SE225344.063	1.0-1.1 1/11/2021 SE225344.064	0.3-0.4 1/11/2021 SE225344.065
Conductivity of Extract (1:5 as received)	µS/cm	1	220	270	150	340	200
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	240	350	160	440	210

PARAMETER	UOM	LOR	TP33	TP34	TP34	TP35	TP35
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021 SE225344.066	0.3-0.4 1/11/2021 SE225344.067	1.0-1.1 1/11/2021 SE225344.068	0.3-0.4 1/11/2021 SE225344.069	1.0-1.1 1/11/2021 SE225344.070
Conductivity of Extract (1:5 as received)	µS/cm	1	280	160	280	160	310
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	330	180	350	170	390

Conductivity and TDS by Calculation - Soil [AN106] Tested: 5/11/2021 (continued)

PARAMETER	UOM	LOR	TP36	TP36	TP37	TP37	TP38
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021
			SE225344.071	SE225344.072	SE225344.073	SE225344.074	SE225344.075
Conductivity of Extract (1:5 as received)	µS/cm	1	230	430	270	360	230
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	250	530	310	440	270

PARAMETER	UOM	LOR	TP38	TP39	TP39	TP40	TP40
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021
			SE225344.076	SE225344.077	SE225344.078	SE225344.079	SE225344.080
Conductivity of Extract (1:5 as received)	µS/cm	1	440	210	400	290	310
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	560	240	540	330	390

PARAMETER	UOM	LOR	TP41	TP41	TP42	TP42	TP43
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021
			SE225344.081	SE225344.082	SE225344.083	SE225344.084	SE225344.085
Conductivity of Extract (1:5 as received)	µS/cm	1	190	390	45	260	93
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	220	480	48	320	110

PARAMETER	UOM	LOR	TP43	TP44	TP44	TP45	TP45
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021
			SE225344.086	SE225344.087	SE225344.088	SE225344.089	SE225344.090
Conductivity of Extract (1:5 as received)	µS/cm	1	190	86	160	96	180
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	230	99	200	110	230

PARAMETER	UOM	LOR	TP46	TP46	TP47	TP47	TP48
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021
			SE225344.091	SE225344.092	SE225344.093	SE225344.094	SE225344.095
Conductivity of Extract (1:5 as received)	µS/cm	1	140	180	140	120	140
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	160	210	170	160	170

PARAMETER	UOM	LOR	TP48	TP49	TP49	TP50	TP50
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021
			SE225344.096	SE225344.097	SE225344.098	SE225344.099	SE225344.100
Conductivity of Extract (1:5 as received)	µS/cm	1	330	160	170	170	270
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	410	210	220	220	340

PARAMETER	UOM	LOR	TP51	TP51	TP52	TP52	TP53
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021
			SE225344.101	SE225344.102	SE225344.103	SE225344.104	SE225344.105
Conductivity of Extract (1:5 as received)	µS/cm	1	200	280	44	220	180
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	200	330	48	280	220

Conductivity and TDS by Calculation - Soil [AN106] Tested: 5/11/2021 (continued)

PARAMETER	UOM	LOR	TP53	TP54	TP54	TP55	TP55
			SOIL 1.0-1.1 1/11/2021 SE225344.106	SOIL 0.3-0.4 1/11/2021 SE225344.107	SOIL 1.0-1.1 1/11/2021 SE225344.108	SOIL 0.3-0.4 1/11/2021 SE225344.109	SOIL 1.0-1.1 1/11/2021 SE225344.110
Conductivity of Extract (1:5 as received)	µS/cm	1	250	140	180	140	180
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	310	180	240	180	220

PARAMETER	UOM	LOR	TP56	TP56	TP57	TP58	TP59
			SOIL 0.3-0.4 1/11/2021 SE225344.111	SOIL 1.0-1.1 1/11/2021 SE225344.112	SOIL 0.3-0.4 1/11/2021 SE225344.113	SOIL 0.3-0.4 1/11/2021 SE225344.114	SOIL 0.3-0.4 1/11/2021 SE225344.115
Conductivity of Extract (1:5 as received)	µS/cm	1	130	240	140	130	140
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	150	310	170	150	160

PARAMETER	UOM	LOR	TP60	TP61	TP62	TP63	TP63
			SOIL 0.3-0.4 1/11/2021 SE225344.116	SOIL 0.3-0.4 1/11/2021 SE225344.117	SOIL 0.3-0.4 1/11/2021 SE225344.118	SOIL 0.3-0.4 1/11/2021 SE225344.119	SOIL 1.0-1.1 1/11/2021 SE225344.120
Conductivity of Extract (1:5 as received)	µS/cm	1	180	370	320	180	870
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	200	470	390	200	1100

PARAMETER	UOM	LOR	TP64	TP64	TP65	TP65	TP66
			SOIL 0.3-0.4 1/11/2021 SE225344.121	SOIL 1.0-1.1 1/11/2021 SE225344.122	SOIL 0.3-0.4 1/11/2021 SE225344.123	SOIL 1.0-1.1 1/11/2021 SE225344.124	SOIL 0.3-0.4 1/11/2021 SE225344.125
Conductivity of Extract (1:5 as received)	µS/cm	1	440	450	340	510	460
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	520	550	410	630	570

PARAMETER	UOM	LOR	TP67	TP67	TP68	TP68	TP69
			SOIL 0.3-0.4 1/11/2021 SE225344.126	SOIL 1.0-1.1 1/11/2021 SE225344.127	SOIL 0.3-0.4 1/11/2021 SE225344.128	SOIL 1.0-1.1 1/11/2021 SE225344.129	SOIL 0.3-0.4 1/11/2021 SE225344.130
Conductivity of Extract (1:5 as received)	µS/cm	1	99	29	120	160	180
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	110	31	140	170	200

PARAMETER	UOM	LOR	TP69	TP70	TP70	TP71	TP71
			SOIL 1.0-1.1 1/11/2021 SE225344.131	SOIL 0.3-0.4 1/11/2021 SE225344.132	SOIL 1.0-1.1 1/11/2021 SE225344.133	SOIL 0.3-0.4 1/11/2021 SE225344.134	SOIL 1.0-1.1 1/11/2021 SE225344.135
Conductivity of Extract (1:5 as received)	µS/cm	1	130	240	210	88	230
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	140	280	230	98	290

PARAMETER	UOM	LOR	TP72	TP72	TP73	TP73	TP74
			SOIL 0.3-0.4 1/11/2021 SE225344.136	SOIL 1.0-1.1 1/11/2021 SE225344.137	SOIL 0.3-0.4 1/11/2021 SE225344.138	SOIL 1.0-1.1 1/11/2021 SE225344.139	SOIL 0.3-0.4 1/11/2021 SE225344.140
Conductivity of Extract (1:5 as received)	µS/cm	1	200	360	270	280	290
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	230	450	310	340	350

Conductivity and TDS by Calculation - Soil [AN106] Tested: 5/11/2021 (continued)

PARAMETER	UOM	LOR	TP74	TP75	TP75	TP76	TP76
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021
			SE225344.141	SE225344.142	SE225344.143	SE225344.144	SE225344.145
Conductivity of Extract (1:5 as received)	µS/cm	1	350	320	310	300	610
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	420	380	360	340	780

PARAMETER	UOM	LOR	TP77	TP77	TP78	TP78	TP79
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021
			SE225344.146	SE225344.147	SE225344.148	SE225344.149	SE225344.150
Conductivity of Extract (1:5 as received)	µS/cm	1	280	540	230	580	500
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	310	670	260	730	630

PARAMETER	UOM	LOR	TP79	TP80	TP80	TP81	TP81
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021
			SE225344.151	SE225344.152	SE225344.153	SE225344.154	SE225344.155
Conductivity of Extract (1:5 as received)	µS/cm	1	490	480	450	310	240
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	620	610	560	350	280

PARAMETER	UOM	LOR	TP82	TP82	TP83	TP83	TP84
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021
			SE225344.156	SE225344.157	SE225344.158	SE225344.159	SE225344.160
Conductivity of Extract (1:5 as received)	µS/cm	1	310	300	300	260	350
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	350	350	330	310	410

PARAMETER	UOM	LOR	TP84	TP85	TP85	TP86	TP86
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021
			SE225344.161	SE225344.162	SE225344.163	SE225344.164	SE225344.165
Conductivity of Extract (1:5 as received)	µS/cm	1	300	370	320	290	320
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	340	420	380	330	360

PARAMETER	UOM	LOR	TP87	TP87	TP88	TP88	TP89
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021
			SE225344.166	SE225344.167	SE225344.168	SE225344.169	SE225344.170
Conductivity of Extract (1:5 as received)	µS/cm	1	380	350	480	130	210
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	420	390	550	140	240

PARAMETER	UOM	LOR	TP89	TP90	TP90	TP91	TP91
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021	0.3-0.4 1/11/2021	1.0-1.1 1/11/2021
			SE225344.171	SE225344.172	SE225344.173	SE225344.174	SE225344.175
Conductivity of Extract (1:5 as received)	µS/cm	1	220	450	480	230	250
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	260	560	610	270	280

Conductivity and TDS by Calculation - Soil [AN106] Tested: 5/11/2021 (continued)

PARAMETER	UOM	LOR	TP92	TP92	TP93	TP93	TP94
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021 SE225344.176	1.0-1.1 1/11/2021 SE225344.177	0.3-0.4 1/11/2021 SE225344.178	1.0-1.1 1/11/2021 SE225344.179	0.3-0.4 1/11/2021 SE225344.180
Conductivity of Extract (1:5 as received)	µS/cm	1	170	220	180	230	160
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	190	270	210	260	180

PARAMETER	UOM	LOR	TP94	TP95	TP95	TP96	TP96
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021 SE225344.181	0.3-0.4 1/11/2021 SE225344.182	1.0-1.1 1/11/2021 SE225344.183	0.3-0.4 1/11/2021 SE225344.184	1.0-1.1 1/11/2021 SE225344.185
Conductivity of Extract (1:5 as received)	µS/cm	1	120	150	230	190	200
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	130	160	250	220	230

PARAMETER	UOM	LOR	TP97	TP97	TP98	TP98	TP99
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021 SE225344.186	1.0-1.1 1/11/2021 SE225344.187	0.3-0.4 1/11/2021 SE225344.188	1.0-1.1 1/11/2021 SE225344.189	0.3-0.4 1/11/2021 SE225344.190
Conductivity of Extract (1:5 as received)	µS/cm	1	340	240	150	170	170
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	360	270	160	190	210

PARAMETER	UOM	LOR	TP99	TP100	TP100	TP101	TP101
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021 SE225344.191	0.3-0.4 1/11/2021 SE225344.192	1.0-1.1 1/11/2021 SE225344.193	0.3-0.4 1/11/2021 SE225344.194	1.0-1.1 1/11/2021 SE225344.195
Conductivity of Extract (1:5 as received)	µS/cm	1	230	410	560	220	170
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	280	500	720	270	200

PARAMETER	UOM	LOR	TP102	TP102	TP103	TP103	TP104
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021 SE225344.196	1.0-1.1 1/11/2021 SE225344.197	0.3-0.4 1/11/2021 SE225344.198	1.0-1.1 1/11/2021 SE225344.199	0.3-0.4 1/11/2021 SE225344.200
Conductivity of Extract (1:5 as received)	µS/cm	1	190	170	180	220	200
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	240	210	230	260	250

PARAMETER	UOM	LOR	TP104	TP105	TP105	TP106	TP106
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1 1/11/2021 SE225344.201	0.3-0.4 1/11/2021 SE225344.202	1.0-1.1 1/11/2021 SE225344.203	0.3-0.4 1/11/2021 SE225344.204	1.0-1.1 1/11/2021 SE225344.205
Conductivity of Extract (1:5 as received)	µS/cm	1	300	240	250	240	220
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	370	290	310	290	270

PARAMETER	UOM	LOR	TP107	TP107	TP108	TP108	TP109
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4 1/11/2021 SE225344.206	1.0-1.1 1/11/2021 SE225344.207	0.3-0.4 1/11/2021 SE225344.208	1.0-1.1 1/11/2021 SE225344.209	0.3-0.4 1/11/2021 SE225344.210
Conductivity of Extract (1:5 as received)	µS/cm	1	200	270	230	200	240
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	240	340	280	240	290

Conductivity and TDS by Calculation - Soil [AN106] Tested: 5/11/2021 (continued)

PARAMETER	UOM	LOR	TP109	TP110	TP110	TP111	TP111
			SOIL 1.0-1.1 1/11/2021 SE225344.211	SOIL 0.3-0.4 1/11/2021 SE225344.212	SOIL 1.0-1.1 1/11/2021 SE225344.213	SOIL 0.3-0.4 1/11/2021 SE225344.214	SOIL 1.0-1.1 1/11/2021 SE225344.215
Conductivity of Extract (1:5 as received)	µS/cm	1	250	230	230	260	240
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	300	290	290	330	300

PARAMETER	UOM	LOR	TP112	TP112	TP113	TP113	TP114
			SOIL 0.3-0.4 1/11/2021 SE225344.216	SOIL 1.0-1.1 1/11/2021 SE225344.217	SOIL 0.3-0.4 1/11/2021 SE225344.218	SOIL 1.0-1.1 1/11/2021 SE225344.219	SOIL 0.3-0.4 1/11/2021 SE225344.220
Conductivity of Extract (1:5 as received)	µS/cm	1	28	220	200	190	250
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	34	260	240	230	300

PARAMETER	UOM	LOR	TP114	TP115	TP115	TP116	TP116
			SOIL 1.0-1.1 1/11/2021 SE225344.221	SOIL 0.3-0.4 1/11/2021 SE225344.222	SOIL 1.0-1.1 1/11/2021 SE225344.223	SOIL 0.3-0.4 1/11/2021 SE225344.224	SOIL 1.0-1.1 1/11/2021 SE225344.225
Conductivity of Extract (1:5 as received)	µS/cm	1	190	240	280	280	300
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	230	280	330	330	350

PARAMETER	UOM	LOR	TP117	TP117	TP118	TP118	TP119
			SOIL 0.3-0.4 1/11/2021 SE225344.226	SOIL 1.0-1.1 1/11/2021 SE225344.227	SOIL 0.3-0.4 1/11/2021 SE225344.228	SOIL 1.0-1.1 1/11/2021 SE225344.229	SOIL 0.3-0.4 1/11/2021 SE225344.230
Conductivity of Extract (1:5 as received)	µS/cm	1	290	280	300	310	280
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	350	340	340	380	310

PARAMETER	UOM	LOR	TP119	TP120	TP120	TP121	TP121
			SOIL 1.0-1.1 1/11/2021 SE225344.231	SOIL 0.3-0.4 1/11/2021 SE225344.232	SOIL 1.0-1.1 1/11/2021 SE225344.233	SOIL 0.3-0.4 1/11/2021 SE225344.234	SOIL 1.0-1.1 1/11/2021 SE225344.235
Conductivity of Extract (1:5 as received)	µS/cm	1	290	280	360	160	350
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	330	310	400	180	380

PARAMETER	UOM	LOR	TP122	TP122	TP123	TP123	TP124
			SOIL 0.3-0.4 1/11/2021 SE225344.236	SOIL 1.0-1.1 1/11/2021 SE225344.237	SOIL 0.3-0.4 1/11/2021 SE225344.238	SOIL 1.0-1.1 1/11/2021 SE225344.239	SOIL 0.3-0.4 1/11/2021 SE225344.240
Conductivity of Extract (1:5 as received)	µS/cm	1	260	310	240	160	250
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	290	350	270	180	290

PARAMETER	UOM	LOR	TP124	TP125	TP125	TP126	TP126
			SOIL 1.0-1.1 1/11/2021 SE225344.241	SOIL 0.3-0.4 1/11/2021 SE225344.242	SOIL 1.0-1.1 1/11/2021 SE225344.243	SOIL 0.3-0.4 1/11/2021 SE225344.244	SOIL 1.0-1.1 1/11/2021 SE225344.245
Conductivity of Extract (1:5 as received)	µS/cm	1	250	290	240	320	300
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	280	320	270	380	360

Conductivity and TDS by Calculation - Soil [AN106] Tested: 5/11/2021 (continued)

PARAMETER	UOM	LOR	TP127	TP127	TP128	TP128	TP125_1
			SOIL 0.3-0.4 1/11/2021 SE225344.246	SOIL 1.0-1.1 1/11/2021 SE225344.247	SOIL 0.3-0.4 1/11/2021 SE225344.248	SOIL 1.0-1.1 1/11/2021 SE225344.249	SOIL 0.3-0.4 1/11/2021 SE225344.250
Conductivity of Extract (1:5 as received)	µS/cm	1	310	310	38	59	220
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	370	370	40	75	240

PARAMETER	UOM	LOR	TP129	TP129	TP130	TP130	TP131
			SOIL 0.3-0.4 1/11/2021 SE225344.252	SOIL 1.0-1.1 1/11/2021 SE225344.253	SOIL 0.3-0.4 1/11/2021 SE225344.254	SOIL 1.0-1.1 1/11/2021 SE225344.255	SOIL 0.3-0.4 1/11/2021 SE225344.256
Conductivity of Extract (1:5 as received)	µS/cm	1	270	300	310	260	220
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	300	320	340	300	250

PARAMETER	UOM	LOR	TP131	TP132	TP132
			SOIL 1.0-1.1 1/11/2021 SE225344.257	SOIL 0.3-0.4 1/11/2021 SE225344.258	SOIL 1.0-1.1 1/11/2021 SE225344.259
Conductivity of Extract (1:5 as received)	µS/cm	1	300	310	330
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	320	330	360

Moisture Content [AN002] Tested: 5/11/2021

			TP1	TP1	TP2	TP2	TP3
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.001	SE225344.002	SE225344.003	SE225344.004	SE225344.005
% Moisture	%w/w	1	16.7	8.9	17.9	7.5	15.8

			TP3	TP4	TP4	TP5	TP5
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.006	SE225344.007	SE225344.008	SE225344.009	SE225344.010
% Moisture	%w/w	1	7.3	13.7	17.9	9.6	20.6

			TP6	TP6	TP7	TP7	TP8
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.011	SE225344.012	SE225344.013	SE225344.014	SE225344.015
% Moisture	%w/w	1	10.0	16.9	5.4	20.7	11.6

			TP8	TP9	TP9	TP10	TP10
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.016	SE225344.017	SE225344.018	SE225344.019	SE225344.020
% Moisture	%w/w	1	19.6	13.9	9.8	10.6	11.7

			TP11	TP11	TP12	TP12	TP13
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.021	SE225344.022	SE225344.023	SE225344.024	SE225344.025
% Moisture	%w/w	1	12.8	21.2	15.7	8.9	12.3

			TP13	TP14	TP14	TP15	TP15
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.026	SE225344.027	SE225344.028	SE225344.029	SE225344.030
% Moisture	%w/w	1	11.0	11.5	14.1	17.3	15.7

			TP16	TP16	TP17	TP17	TP18
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.031	SE225344.032	SE225344.033	SE225344.034	SE225344.035
% Moisture	%w/w	1	11.6	7.4	11.8	11.9	9.8

Moisture Content [AN002] Tested: 5/11/2021 (continued)

			TP18	TP19	TP19	TP20	TP20
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.036	SE225344.037	SE225344.038	SE225344.039	SE225344.040
% Moisture	%w/w	1	12.2	8.5	10.2	9.0	9.0

			TP21	TP21	TP22	TP22	TP23
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.041	SE225344.042	SE225344.043	SE225344.044	SE225344.045
% Moisture	%w/w	1	10.0	10.3	10.3	11.0	10.5

			TP23	TP24	TP24	TP25	TP25
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.046	SE225344.047	SE225344.048	SE225344.049	SE225344.050
% Moisture	%w/w	1	8.6	10.1	8.9	8.6	10.5

			TP26	TP26	TP27	TP27	TP28
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.051	SE225344.052	SE225344.053	SE225344.054	SE225344.055
% Moisture	%w/w	1	9.4	9.2	9.6	9.5	18.0

			TP28	TP29	TP29	TP30	TP30
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.056	SE225344.057	SE225344.058	SE225344.059	SE225344.060
% Moisture	%w/w	1	16.9	13.3	12.7	9.6	14.2

			TP31	TP31	TP32	TP32	TP33
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.061	SE225344.062	SE225344.063	SE225344.064	SE225344.065
% Moisture	%w/w	1	8.6	22.7	8.2	22.5	8.9

			TP33	TP34	TP34	TP35	TP35
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.066	SE225344.067	SE225344.068	SE225344.069	SE225344.070
% Moisture	%w/w	1	14.9	9.6	19.1	7.4	21.1

Moisture Content [AN002] Tested: 5/11/2021 (continued)

			TP36	TP36	TP37	TP37	TP38
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.071	SE225344.072	SE225344.073	SE225344.074	SE225344.075
% Moisture	%w/w	1	9.4	18.9	14.2	17.9	12.1

			TP38	TP39	TP39	TP40	TP40
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.076	SE225344.077	SE225344.078	SE225344.079	SE225344.080
% Moisture	%w/w	1	21.9	13.6	26.8	12.2	21.9

			TP41	TP41	TP42	TP42	TP43
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.081	SE225344.082	SE225344.083	SE225344.084	SE225344.085
% Moisture	%w/w	1	13.4	19.4	6.5	19.4	18.9

			TP43	TP44	TP44	TP45	TP45
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.086	SE225344.087	SE225344.088	SE225344.089	SE225344.090
% Moisture	%w/w	1	18.5	13.2	19.7	14.5	18.0

			TP46	TP46	TP47	TP47	TP48
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.091	SE225344.092	SE225344.093	SE225344.094	SE225344.095
% Moisture	%w/w	1	12.2	18.1	20.3	24.9	18.0

			TP48	TP49	TP49	TP50	TP50
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.096	SE225344.097	SE225344.098	SE225344.099	SE225344.100
% Moisture	%w/w	1	19.7	21.4	24.4	22.3	21.6

			TP51	TP51	TP52	TP52	TP53
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.101	SE225344.102	SE225344.103	SE225344.104	SE225344.105
% Moisture	%w/w	1	3.7	16.3	8.5	20.5	17.3

Moisture Content [AN002] Tested: 5/11/2021 (continued)

			TP53	TP54	TP54	TP55	TP55
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.106	SE225344.107	SE225344.108	SE225344.109	SE225344.110
% Moisture	%w/w	1	18.8	21.1	24.3	20.1	20.4

			TP56	TP56	TP57	TP58	TP59
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.111	SE225344.112	SE225344.113	SE225344.114	SE225344.115
% Moisture	%w/w	1	15.0	23.3	16.7	15.4	12.9

			TP60	TP61	TP62	TP63	TP63
			SOIL 0.3-0.4 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.116	SE225344.117	SE225344.118	SE225344.119	SE225344.120
% Moisture	%w/w	1	11.9	20.9	17.2	11.2	22.1

			TP64	TP64	TP65	TP65	TP66
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.121	SE225344.122	SE225344.123	SE225344.124	SE225344.125
% Moisture	%w/w	1	15.3	18.5	15.8	18.9	19.0

			TP67	TP67	TP68	TP68	TP69
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.126	SE225344.127	SE225344.128	SE225344.129	SE225344.130
% Moisture	%w/w	1	7.3	5.6	12.0	5.4	8.8

			TP69	TP70	TP70	TP71	TP71
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.131	SE225344.132	SE225344.133	SE225344.134	SE225344.135
% Moisture	%w/w	1	9.2	13.2	10.4	10.3	18.6

			TP72	TP72	TP73	TP73	TP74
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.136	SE225344.137	SE225344.138	SE225344.139	SE225344.140
% Moisture	%w/w	1	12.0	20.1	14.7	17.6	16.2

Moisture Content [AN002] Tested: 5/11/2021 (continued)

			TP74	TP75	TP75	TP76	TP76
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.141	SE225344.142	SE225344.143	SE225344.144	SE225344.145
% Moisture	%w/w	1	16.7	15.8	15.3	10.6	21.4

			TP77	TP77	TP78	TP78	TP79
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.146	SE225344.147	SE225344.148	SE225344.149	SE225344.150
% Moisture	%w/w	1	7.1	19.3	10.2	20.9	20.0

			TP79	TP80	TP80	TP81	TP81
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.151	SE225344.152	SE225344.153	SE225344.154	SE225344.155
% Moisture	%w/w	1	19.9	20.9	20.3	12.4	13.9

			TP82	TP82	TP83	TP83	TP84
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.156	SE225344.157	SE225344.158	SE225344.159	SE225344.160
% Moisture	%w/w	1	12.9	13.9	10.0	14.7	15.8

			TP84	TP85	TP85	TP86	TP86
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.161	SE225344.162	SE225344.163	SE225344.164	SE225344.165
% Moisture	%w/w	1	11.7	11.1	15.8	13.3	12.2

			TP87	TP87	TP88	TP88	TP89
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.166	SE225344.167	SE225344.168	SE225344.169	SE225344.170
% Moisture	%w/w	1	9.5	11.2	12.9	8.5	11.5

			TP89	TP90	TP90	TP91	TP91
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.171	SE225344.172	SE225344.173	SE225344.174	SE225344.175
% Moisture	%w/w	1	15.7	19.6	20.6	13.9	9.5

Moisture Content [AN002] Tested: 5/11/2021 (continued)

			TP92	TP92	TP93	TP93	TP94
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.176	SE225344.177	SE225344.178	SE225344.179	SE225344.180
% Moisture	%w/w	1	9.0	16.9	11.5	10.5	9.4

			TP94	TP95	TP95	TP96	TP96
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.181	SE225344.182	SE225344.183	SE225344.184	SE225344.185
% Moisture	%w/w	1	9.9	9.5	9.9	13.6	10.0

			TP97	TP97	TP98	TP98	TP99
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.186	SE225344.187	SE225344.188	SE225344.189	SE225344.190
% Moisture	%w/w	1	7.6	11.1	8.7	15.3	18.5

			TP99	TP100	TP100	TP101	TP101
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.191	SE225344.192	SE225344.193	SE225344.194	SE225344.195
% Moisture	%w/w	1	18.7	18.8	22.5	20.4	17.9

			TP102	TP102	TP103	TP103	TP104
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.196	SE225344.197	SE225344.198	SE225344.199	SE225344.200
% Moisture	%w/w	1	18.9	17.7	19.2	18.1	20.5

			TP104	TP105	TP105	TP106	TP106
			SOIL	SOIL	SOIL	SOIL	SOIL
			1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.201	SE225344.202	SE225344.203	SE225344.204	SE225344.205
% Moisture	%w/w	1	19.8	18.5	20.3	18.4	19.4

			TP107	TP107	TP108	TP108	TP109
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.206	SE225344.207	SE225344.208	SE225344.209	SE225344.210
% Moisture	%w/w	1	17.6	21.5	16.8	17.2	18.5

Moisture Content [AN002] Tested: 5/11/2021 (continued)

			TP109	TP110	TP110	TP111	TP111
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.211	SE225344.212	SE225344.213	SE225344.214	SE225344.215
% Moisture	%w/w	1	18.9	20.4	20.9	21.6	20.2

			TP112	TP112	TP113	TP113	TP114
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.216	SE225344.217	SE225344.218	SE225344.219	SE225344.220
% Moisture	%w/w	1	19.2	17.2	17.8	19.7	18.1

			TP114	TP115	TP115	TP116	TP116
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.221	SE225344.222	SE225344.223	SE225344.224	SE225344.225
% Moisture	%w/w	1	18.7	16.2	15.3	14.9	15.5

			TP117	TP117	TP118	TP118	TP119
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.226	SE225344.227	SE225344.228	SE225344.229	SE225344.230
% Moisture	%w/w	1	15.5	16.1	13.4	18.7	10.5

			TP119	TP120	TP120	TP121	TP121
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.231	SE225344.232	SE225344.233	SE225344.234	SE225344.235
% Moisture	%w/w	1	12.4	11.7	11.3	10.4	9.7

			TP122	TP122	TP123	TP123	TP124
			SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021
PARAMETER	UOM	LOR	SE225344.236	SE225344.237	SE225344.238	SE225344.239	SE225344.240
% Moisture	%w/w	1	9.8	12.0	11.7	10.8	13.4

			TP124	TP125	TP125	TP126	TP126
			SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021	SOIL 0.3-0.4 1/11/2021	SOIL 1.0-1.1 1/11/2021
PARAMETER	UOM	LOR	SE225344.241	SE225344.242	SE225344.243	SE225344.244	SE225344.245
% Moisture	%w/w	1	11.5	11.7	11.0	15.5	16.0

Moisture Content [AN002] Tested: 5/11/2021 (continued)

			TP127	TP127	TP128	TP128	TP125_1
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.246	SE225344.247	SE225344.248	SE225344.249	SE225344.250
% Moisture	%w/w	1	16.9	15.4	6.4	20.7	11.1

			TP129	TP129	TP130	TP130	TP131
			SOIL	SOIL	SOIL	SOIL	SOIL
			0.3-0.4	1.0-1.1	0.3-0.4	1.0-1.1	0.3-0.4
			1/11/2021	1/11/2021	1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.252	SE225344.253	SE225344.254	SE225344.255	SE225344.256
% Moisture	%w/w	1	7.3	7.9	9.7	11.3	10.0

			TP131	TP132	TP132
			SOIL	SOIL	SOIL
			1.0-1.1	0.3-0.4	1.0-1.1
			1/11/2021	1/11/2021	1/11/2021
PARAMETER	UOM	LOR	SE225344.257	SE225344.258	SE225344.259
% Moisture	%w/w	1	6.9	6.4	9.2

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.

AN101

pH in Soil Sludge Sediment and Water: pH is measured electrometrically using a combination electrode and is calibrated against 3 buffers purchased commercially. For soils, sediments and sludges, an extract with water (or 0.01M CaCl₂) is made at a ratio of 1:5 and the pH determined and reported on the extract. Reference APHA 4500-H+.

AN106

Conductivity and TDS by Calculation: Conductivity is measured by meter with temperature compensation and is calibrated against a standard solution of potassium chloride. Conductivity is generally reported as µmhos/cm or µS/cm @ 25°C. For soils, an extract of as received sample with water is made at a ratio of 1:5 and the EC determined and reported on the extract, or calculated back to the as-received sample. Salinity can be estimated from conductivity using a conversion factor, which for natural waters, is in the range 0.55 to 0.75. Reference APHA 2510 B.

FOOTNOTES

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

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 Order Number **8599/76**
 Samples 259

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SGS Reference **SE225344 R0**
 Date Received 02 Nov 2021
 Date Reported 10 Nov 2021

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	Conductivity and TDS by Calculation - Soil pH in soil (1:5)	178 items 178 items
Analysis Date	Conductivity and TDS by Calculation - Soil	238 items
Duplicate	Conductivity and TDS by Calculation - Soil Conductivity and TDS by Calculation - Soil	2 items 2 items

SAMPLE SUMMARY

Samples clearly labelled	Yes	Complete documentation received	Yes
Sample container provider	Client	Sample cooling method	None
Samples received in correct containers	Yes	Sample counts by matrix	258 Soil
Date documentation received	2/11/2021	Type of documentation received	COC
Samples received in good order	Yes	Samples received without headspace	N/A
Sample temperature upon receipt	22°C	Sufficient sample for analysis	Yes
Turnaround time requested	Standard		

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

Conductivity and TDS by Calculation - Soil

Method: ME-(AU)-ENV/JAN106

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP1	SE225344.001	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP1	SE225344.002	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP2	SE225344.003	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP2	SE225344.004	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP3	SE225344.005	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP3	SE225344.006	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP4	SE225344.007	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP4	SE225344.008	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP5	SE225344.009	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP5	SE225344.010	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP6	SE225344.011	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP6	SE225344.012	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP7	SE225344.013	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP7	SE225344.014	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP8	SE225344.015	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP8	SE225344.016	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP9	SE225344.017	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP9	SE225344.018	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP10	SE225344.019	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP10	SE225344.020	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP11	SE225344.021	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP11	SE225344.022	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP12	SE225344.023	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP12	SE225344.024	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP13	SE225344.025	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP13	SE225344.026	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP14	SE225344.027	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP14	SE225344.028	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP15	SE225344.029	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP15	SE225344.030	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP16	SE225344.031	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP16	SE225344.032	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP17	SE225344.033	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP17	SE225344.034	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP18	SE225344.035	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP18	SE225344.036	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP19	SE225344.037	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP19	SE225344.038	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP20	SE225344.039	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP20	SE225344.040	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP21	SE225344.041	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP21	SE225344.042	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP22	SE225344.043	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP22	SE225344.044	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP23	SE225344.045	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP23	SE225344.046	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP24	SE225344.047	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP24	SE225344.048	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP25	SE225344.049	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP25	SE225344.050	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP26	SE225344.051	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP26	SE225344.052	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP27	SE225344.053	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP27	SE225344.054	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP28	SE225344.055	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP28	SE225344.056	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP29	SE225344.057	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP29	SE225344.058	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP30	SE225344.059	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021
TP30	SE225344.060	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021	08 Nov 2021

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

Conductivity and TDS by Calculation - Soil (continued)

Method: ME-(AU)-ENV/JAN106

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP31	SE225344.061	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP31	SE225344.062	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP32	SE225344.063	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP32	SE225344.064	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP33	SE225344.065	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP33	SE225344.066	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP34	SE225344.067	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP34	SE225344.068	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP35	SE225344.069	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP35	SE225344.070	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP36	SE225344.071	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP36	SE225344.072	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP37	SE225344.073	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP37	SE225344.074	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP38	SE225344.075	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP38	SE225344.076	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP39	SE225344.077	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP39	SE225344.078	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP40	SE225344.079	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP40	SE225344.080	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	08 Nov 2021	08 Nov 2021
TP41	SE225344.081	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP41	SE225344.082	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP42	SE225344.083	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP42	SE225344.084	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP43	SE225344.085	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP43	SE225344.086	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP44	SE225344.087	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP44	SE225344.088	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP45	SE225344.089	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP45	SE225344.090	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP46	SE225344.091	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP46	SE225344.092	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP47	SE225344.093	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP47	SE225344.094	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP48	SE225344.095	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP48	SE225344.096	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP49	SE225344.097	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP49	SE225344.098	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP50	SE225344.099	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP50	SE225344.100	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	09 Nov 2021†
TP51	SE225344.101	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP51	SE225344.102	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP52	SE225344.103	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP52	SE225344.104	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP53	SE225344.105	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP53	SE225344.106	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP54	SE225344.107	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP54	SE225344.108	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP55	SE225344.109	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP55	SE225344.110	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP56	SE225344.111	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP56	SE225344.112	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP57	SE225344.113	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP58	SE225344.114	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP59	SE225344.115	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP60	SE225344.116	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP61	SE225344.117	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP62	SE225344.118	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP63	SE225344.119	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP63	SE225344.120	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†

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

Conductivity and TDS by Calculation - Soil (continued)

Method: ME-(AU)-ENV/JAN106

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP64	SE225344.121	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP64	SE225344.122	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP65	SE225344.123	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP65	SE225344.124	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP66	SE225344.125	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP67	SE225344.126	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP67	SE225344.127	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP68	SE225344.128	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP68	SE225344.129	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP69	SE225344.130	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP69	SE225344.131	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP70	SE225344.132	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP70	SE225344.133	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP71	SE225344.134	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP71	SE225344.135	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP72	SE225344.136	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP72	SE225344.137	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP73	SE225344.138	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP73	SE225344.139	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP74	SE225344.140	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP74	SE225344.141	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP75	SE225344.142	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP75	SE225344.143	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP76	SE225344.144	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP76	SE225344.145	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP77	SE225344.146	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP77	SE225344.147	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP78	SE225344.148	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP78	SE225344.149	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP79	SE225344.150	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP79	SE225344.151	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP80	SE225344.152	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP80	SE225344.153	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP81	SE225344.154	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP81	SE225344.155	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP82	SE225344.156	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP82	SE225344.157	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP83	SE225344.158	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP83	SE225344.159	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP84	SE225344.160	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP84	SE225344.161	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP85	SE225344.162	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP85	SE225344.163	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP86	SE225344.164	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP86	SE225344.165	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP87	SE225344.166	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP87	SE225344.167	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP88	SE225344.168	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP88	SE225344.169	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP89	SE225344.170	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP89	SE225344.171	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP90	SE225344.172	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP90	SE225344.173	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP91	SE225344.174	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP91	SE225344.175	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP92	SE225344.176	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP92	SE225344.177	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP93	SE225344.178	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP93	SE225344.179	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP94	SE225344.180	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†

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

Conductivity and TDS by Calculation - Soil (continued)

Method: ME-(AU)-ENV/JAN106

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP94	SE225344.181	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP95	SE225344.182	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP95	SE225344.183	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP96	SE225344.184	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP96	SE225344.185	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP97	SE225344.186	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP97	SE225344.187	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP98	SE225344.188	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP98	SE225344.189	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP99	SE225344.190	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP99	SE225344.191	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP100	SE225344.192	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP100	SE225344.193	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP101	SE225344.194	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP101	SE225344.195	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP102	SE225344.196	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP102	SE225344.197	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP103	SE225344.198	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP103	SE225344.199	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP104	SE225344.200	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP104	SE225344.201	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP105	SE225344.202	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP105	SE225344.203	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP106	SE225344.204	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP106	SE225344.205	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP107	SE225344.206	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP107	SE225344.207	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP108	SE225344.208	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP108	SE225344.209	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP109	SE225344.210	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP109	SE225344.211	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP110	SE225344.212	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP110	SE225344.213	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP111	SE225344.214	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP111	SE225344.215	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP112	SE225344.216	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP112	SE225344.217	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP113	SE225344.218	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP113	SE225344.219	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP114	SE225344.220	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP114	SE225344.221	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP115	SE225344.222	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP115	SE225344.223	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP116	SE225344.224	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP116	SE225344.225	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP117	SE225344.226	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP117	SE225344.227	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP118	SE225344.228	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP118	SE225344.229	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP119	SE225344.230	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP119	SE225344.231	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP120	SE225344.232	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP120	SE225344.233	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP121	SE225344.234	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP121	SE225344.235	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP122	SE225344.236	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP122	SE225344.237	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP123	SE225344.238	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP123	SE225344.239	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP124	SE225344.240	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†

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

Conductivity and TDS by Calculation - Soil (continued)

Method: ME-(AU)-[ENV]AN106

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP124	SE225344.241	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP125	SE225344.242	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP125	SE225344.243	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP126	SE225344.244	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP126	SE225344.245	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP127	SE225344.246	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP127	SE225344.247	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP128	SE225344.248	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP128	SE225344.249	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP125_1	SE225344.250	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP129	SE225344.252	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP129	SE225344.253	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP130	SE225344.254	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP130	SE225344.255	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP131	SE225344.256	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP131	SE225344.257	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP132	SE225344.258	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†
TP132	SE225344.259	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	08 Nov 2021	10 Nov 2021†

Moisture Content

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

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP1	SE225344.001	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP1	SE225344.002	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP2	SE225344.003	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP2	SE225344.004	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP3	SE225344.005	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP3	SE225344.006	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP4	SE225344.007	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP4	SE225344.008	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP5	SE225344.009	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP5	SE225344.010	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP6	SE225344.011	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP6	SE225344.012	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP7	SE225344.013	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP7	SE225344.014	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP8	SE225344.015	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP8	SE225344.016	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP9	SE225344.017	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP9	SE225344.018	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP10	SE225344.019	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP10	SE225344.020	LB236389	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP11	SE225344.021	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP11	SE225344.022	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP12	SE225344.023	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP12	SE225344.024	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP13	SE225344.025	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP13	SE225344.026	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP14	SE225344.027	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP14	SE225344.028	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP15	SE225344.029	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP15	SE225344.030	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP16	SE225344.031	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP16	SE225344.032	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP17	SE225344.033	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP17	SE225344.034	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP18	SE225344.035	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP18	SE225344.036	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP19	SE225344.037	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP19	SE225344.038	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP20	SE225344.039	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021

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
TP20	SE225344.040	LB236390	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP21	SE225344.041	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP21	SE225344.042	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP22	SE225344.043	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP22	SE225344.044	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP23	SE225344.045	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP23	SE225344.046	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP24	SE225344.047	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP24	SE225344.048	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP25	SE225344.049	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP25	SE225344.050	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP26	SE225344.051	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP26	SE225344.052	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP27	SE225344.053	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP27	SE225344.054	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP28	SE225344.055	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP28	SE225344.056	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP29	SE225344.057	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP29	SE225344.058	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP30	SE225344.059	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP30	SE225344.060	LB236391	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP31	SE225344.061	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP31	SE225344.062	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP32	SE225344.063	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP32	SE225344.064	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP33	SE225344.065	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP33	SE225344.066	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP34	SE225344.067	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP34	SE225344.068	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP35	SE225344.069	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP35	SE225344.070	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP36	SE225344.071	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP36	SE225344.072	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP37	SE225344.073	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP37	SE225344.074	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP38	SE225344.075	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP38	SE225344.076	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP39	SE225344.077	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP39	SE225344.078	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP40	SE225344.079	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP40	SE225344.080	LB236392	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	08 Nov 2021
TP41	SE225344.081	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP41	SE225344.082	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP42	SE225344.083	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP42	SE225344.084	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP43	SE225344.085	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP43	SE225344.086	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP44	SE225344.087	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP44	SE225344.088	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP45	SE225344.089	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP45	SE225344.090	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP46	SE225344.091	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP46	SE225344.092	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP47	SE225344.093	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP47	SE225344.094	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP48	SE225344.095	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP48	SE225344.096	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP49	SE225344.097	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP49	SE225344.098	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP50	SE225344.099	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021

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)-ENVJAN002

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP50	SE225344.100	LB236393	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	09 Nov 2021
TP51	SE225344.101	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP51	SE225344.102	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP52	SE225344.103	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP52	SE225344.104	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP53	SE225344.105	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP53	SE225344.106	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP54	SE225344.107	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP54	SE225344.108	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP55	SE225344.109	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP55	SE225344.110	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP56	SE225344.111	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP56	SE225344.112	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP57	SE225344.113	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP58	SE225344.114	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP59	SE225344.115	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP60	SE225344.116	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP61	SE225344.117	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP62	SE225344.118	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP63	SE225344.119	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP63	SE225344.120	LB236394	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP64	SE225344.121	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP64	SE225344.122	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP65	SE225344.123	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP65	SE225344.124	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP66	SE225344.125	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP67	SE225344.126	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP67	SE225344.127	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP68	SE225344.128	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP68	SE225344.129	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP69	SE225344.130	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP69	SE225344.131	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP70	SE225344.132	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP70	SE225344.133	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP71	SE225344.134	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP71	SE225344.135	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP72	SE225344.136	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP72	SE225344.137	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP73	SE225344.138	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP73	SE225344.139	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP74	SE225344.140	LB236395	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP74	SE225344.141	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP75	SE225344.142	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP75	SE225344.143	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP76	SE225344.144	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP76	SE225344.145	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP77	SE225344.146	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP77	SE225344.147	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP78	SE225344.148	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP78	SE225344.149	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP79	SE225344.150	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP79	SE225344.151	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP80	SE225344.152	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP80	SE225344.153	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP81	SE225344.154	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP81	SE225344.155	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP82	SE225344.156	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP82	SE225344.157	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP83	SE225344.158	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP83	SE225344.159	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021

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)-ENVJAN002

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP84	SE225344.160	LB236396	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP84	SE225344.161	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP85	SE225344.162	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP85	SE225344.163	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP86	SE225344.164	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP86	SE225344.165	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP87	SE225344.166	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP87	SE225344.167	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP88	SE225344.168	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP88	SE225344.169	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP89	SE225344.170	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP89	SE225344.171	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP90	SE225344.172	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP90	SE225344.173	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP91	SE225344.174	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP91	SE225344.175	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP92	SE225344.176	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP92	SE225344.177	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP93	SE225344.178	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP93	SE225344.179	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP94	SE225344.180	LB236397	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP94	SE225344.181	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP95	SE225344.182	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP95	SE225344.183	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP96	SE225344.184	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP96	SE225344.185	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP97	SE225344.186	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP97	SE225344.187	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP98	SE225344.188	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP98	SE225344.189	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP99	SE225344.190	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP99	SE225344.191	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP100	SE225344.192	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP100	SE225344.193	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP101	SE225344.194	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP101	SE225344.195	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP102	SE225344.196	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP102	SE225344.197	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP103	SE225344.198	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP103	SE225344.199	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP104	SE225344.200	LB236398	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP104	SE225344.201	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP105	SE225344.202	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP105	SE225344.203	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP106	SE225344.204	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP106	SE225344.205	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP107	SE225344.206	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP107	SE225344.207	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP108	SE225344.208	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP108	SE225344.209	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP109	SE225344.210	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP109	SE225344.211	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP110	SE225344.212	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP110	SE225344.213	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP111	SE225344.214	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP111	SE225344.215	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP112	SE225344.216	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP112	SE225344.217	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP113	SE225344.218	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP113	SE225344.219	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021

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)-ENVJAN002

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP114	SE225344.220	LB236399	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP114	SE225344.221	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP115	SE225344.222	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP115	SE225344.223	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP116	SE225344.224	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP116	SE225344.225	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP117	SE225344.226	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP117	SE225344.227	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP118	SE225344.228	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP118	SE225344.229	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP119	SE225344.230	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP119	SE225344.231	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP120	SE225344.232	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
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TP121	SE225344.234	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP121	SE225344.235	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP122	SE225344.236	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
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TP123	SE225344.238	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP123	SE225344.239	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP124	SE225344.240	LB236400	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP124	SE225344.241	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP125	SE225344.242	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP125	SE225344.243	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP126	SE225344.244	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP126	SE225344.245	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP127	SE225344.246	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP127	SE225344.247	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP128	SE225344.248	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP128	SE225344.249	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP125_1	SE225344.250	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP129	SE225344.252	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP129	SE225344.253	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP130	SE225344.254	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP130	SE225344.255	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP131	SE225344.256	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP131	SE225344.257	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP132	SE225344.258	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021
TP132	SE225344.259	LB236401	01 Nov 2021	02 Nov 2021	15 Nov 2021	05 Nov 2021	10 Nov 2021	10 Nov 2021

pH in soil (1:5)

Method: ME-(AU)-ENVJAN101

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP1	SE225344.001	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP1	SE225344.002	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP2	SE225344.003	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP2	SE225344.004	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP3	SE225344.005	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP3	SE225344.006	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP4	SE225344.007	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP4	SE225344.008	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP5	SE225344.009	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP5	SE225344.010	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP6	SE225344.011	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP6	SE225344.012	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP7	SE225344.013	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP7	SE225344.014	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP8	SE225344.015	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP8	SE225344.016	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP9	SE225344.017	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP9	SE225344.018	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021

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

pH in soil (1:5) (continued)

Method: ME-(AU)-ENV/JAN101

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP10	SE225344.019	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP10	SE225344.020	LB236417	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP11	SE225344.021	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP11	SE225344.022	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP12	SE225344.023	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP12	SE225344.024	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP13	SE225344.025	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP13	SE225344.026	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP14	SE225344.027	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP14	SE225344.028	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP15	SE225344.029	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP15	SE225344.030	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP16	SE225344.031	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP16	SE225344.032	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP17	SE225344.033	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP17	SE225344.034	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP18	SE225344.035	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP18	SE225344.036	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP19	SE225344.037	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP19	SE225344.038	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP20	SE225344.039	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP20	SE225344.040	LB236438	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP21	SE225344.041	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP21	SE225344.042	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP22	SE225344.043	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP22	SE225344.044	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP23	SE225344.045	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP23	SE225344.046	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP24	SE225344.047	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP24	SE225344.048	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP25	SE225344.049	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP25	SE225344.050	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP26	SE225344.051	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP26	SE225344.052	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP27	SE225344.053	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP27	SE225344.054	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP28	SE225344.055	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP28	SE225344.056	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP29	SE225344.057	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP29	SE225344.058	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP30	SE225344.059	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP30	SE225344.060	LB236507	01 Nov 2021	02 Nov 2021	08 Nov 2021	08 Nov 2021	09 Nov 2021	08 Nov 2021
TP31	SE225344.061	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP31	SE225344.062	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP32	SE225344.063	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP32	SE225344.064	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP33	SE225344.065	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP33	SE225344.066	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP34	SE225344.067	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP34	SE225344.068	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP35	SE225344.069	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP35	SE225344.070	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP36	SE225344.071	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP36	SE225344.072	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP37	SE225344.073	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP37	SE225344.074	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP38	SE225344.075	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP38	SE225344.076	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP39	SE225344.077	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP39	SE225344.078	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021

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

pH in soil (1:5) (continued)

Method: ME-(AU)-ENV/JAN101

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP40	SE225344.079	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP40	SE225344.080	LB236420	01 Nov 2021	02 Nov 2021	08 Nov 2021	05 Nov 2021	06 Nov 2021	05 Nov 2021
TP41	SE225344.081	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP41	SE225344.082	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP42	SE225344.083	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP42	SE225344.084	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP43	SE225344.085	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP43	SE225344.086	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP44	SE225344.087	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP44	SE225344.088	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP45	SE225344.089	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP45	SE225344.090	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP46	SE225344.091	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP46	SE225344.092	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP47	SE225344.093	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP47	SE225344.094	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP48	SE225344.095	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP48	SE225344.096	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP49	SE225344.097	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP49	SE225344.098	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP50	SE225344.099	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP50	SE225344.100	LB236607	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP51	SE225344.101	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP51	SE225344.102	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP52	SE225344.103	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP52	SE225344.104	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP53	SE225344.105	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP53	SE225344.106	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP54	SE225344.107	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP54	SE225344.108	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP55	SE225344.109	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP55	SE225344.110	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP56	SE225344.111	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP56	SE225344.112	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP57	SE225344.113	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP58	SE225344.114	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP59	SE225344.115	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP60	SE225344.116	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP61	SE225344.117	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP62	SE225344.118	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP63	SE225344.119	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP63	SE225344.120	LB236621	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP64	SE225344.121	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP64	SE225344.122	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP65	SE225344.123	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP65	SE225344.124	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP66	SE225344.125	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP67	SE225344.126	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP67	SE225344.127	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP68	SE225344.128	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP68	SE225344.129	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP69	SE225344.130	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP69	SE225344.131	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP70	SE225344.132	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP70	SE225344.133	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP71	SE225344.134	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP71	SE225344.135	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP72	SE225344.136	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP72	SE225344.137	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP73	SE225344.138	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021

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

pH in soil (1:5) (continued)

Method: ME-(AU)-ENV/JAN101

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP73	SE225344.139	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP74	SE225344.140	LB236622	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	10 Nov 2021
TP74	SE225344.141	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP75	SE225344.142	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP75	SE225344.143	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP76	SE225344.144	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP76	SE225344.145	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP77	SE225344.146	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP77	SE225344.147	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP78	SE225344.148	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP78	SE225344.149	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP79	SE225344.150	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP79	SE225344.151	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP80	SE225344.152	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP80	SE225344.153	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP81	SE225344.154	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP81	SE225344.155	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP82	SE225344.156	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP82	SE225344.157	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP83	SE225344.158	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP83	SE225344.159	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP84	SE225344.160	LB236732	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP84	SE225344.161	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP85	SE225344.162	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP85	SE225344.163	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP86	SE225344.164	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP86	SE225344.165	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP87	SE225344.166	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP87	SE225344.167	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP88	SE225344.168	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP88	SE225344.169	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP89	SE225344.170	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP89	SE225344.171	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP90	SE225344.172	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP90	SE225344.173	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP91	SE225344.174	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP91	SE225344.175	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP92	SE225344.176	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP92	SE225344.177	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP93	SE225344.178	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP93	SE225344.179	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP94	SE225344.180	LB236719	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP94	SE225344.181	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP95	SE225344.182	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP95	SE225344.183	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP96	SE225344.184	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP96	SE225344.185	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP97	SE225344.186	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP97	SE225344.187	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP98	SE225344.188	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP98	SE225344.189	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP99	SE225344.190	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP99	SE225344.191	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP100	SE225344.192	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP100	SE225344.193	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP101	SE225344.194	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP101	SE225344.195	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP102	SE225344.196	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP102	SE225344.197	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP103	SE225344.198	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021

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

pH in soil (1:5) (continued)

Method: ME-(AU)-ENV/JAN101

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP103	SE225344.199	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP104	SE225344.200	LB236733	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP104	SE225344.201	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP105	SE225344.202	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP105	SE225344.203	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP106	SE225344.204	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP106	SE225344.205	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP107	SE225344.206	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP107	SE225344.207	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP108	SE225344.208	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP108	SE225344.209	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP109	SE225344.210	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP109	SE225344.211	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP110	SE225344.212	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP110	SE225344.213	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP111	SE225344.214	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP111	SE225344.215	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP112	SE225344.216	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP112	SE225344.217	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP113	SE225344.218	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP113	SE225344.219	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP114	SE225344.220	LB236637	01 Nov 2021	02 Nov 2021	08 Nov 2021	09 Nov 2021†	10 Nov 2021	09 Nov 2021
TP114	SE225344.221	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP115	SE225344.222	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP115	SE225344.223	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP116	SE225344.224	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP116	SE225344.225	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP117	SE225344.226	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP117	SE225344.227	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP118	SE225344.228	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP118	SE225344.229	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP119	SE225344.230	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP119	SE225344.231	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP120	SE225344.232	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP120	SE225344.233	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP121	SE225344.234	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP121	SE225344.235	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP122	SE225344.236	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP122	SE225344.237	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP123	SE225344.238	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP123	SE225344.239	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP124	SE225344.240	LB236698	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP124	SE225344.241	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP125	SE225344.242	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP125	SE225344.243	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP126	SE225344.244	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP126	SE225344.245	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP127	SE225344.246	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP127	SE225344.247	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP128	SE225344.248	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP128	SE225344.249	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP125_1	SE225344.250	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP129	SE225344.252	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP129	SE225344.253	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP130	SE225344.254	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP130	SE225344.255	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP131	SE225344.256	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP131	SE225344.257	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP132	SE225344.258	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021
TP132	SE225344.259	LB236699	01 Nov 2021	02 Nov 2021	08 Nov 2021	10 Nov 2021†	11 Nov 2021	10 Nov 2021

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

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 identifier 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.

Conductivity and TDS by Calculation - Soil

Method: ME-(AU)-[ENV]AN106

Sample Number	Parameter	Units	LOR	Result
LB236417.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0
LB236420.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0
LB236438.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0.11
LB236507.001	Conductivity of Extract (1:5 as received)	µS/cm	1	1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	1.3
LB236607.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0.95
LB236621.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0.08
LB236622.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0.58
LB236637.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0.08
LB236698.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0.48
LB236699.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0.73
LB236719.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0
LB236732.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0.36
LB236733.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0.27

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

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: $MAD = 100 \times SDL / Mean + LR$

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 identifier 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

Conductivity and TDS by Calculation - Soil

Method: ME-(AU)-[ENV]JAN106

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE225344.010	LB236417.029	Conductivity of Extract (1:5 as received)	µS/cm	1	560	610	30	9
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	700	770	30	9
SE225344.020	LB236417.028	Conductivity of Extract (1:5 as received)	µS/cm	1	65	38	34	53 @
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	74	43	33	53 @
SE225344.030	LB236438.014	Conductivity of Extract (1:5 as received)	µS/cm	1	430	390	30	11
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	510	460	30	11
SE225344.040	LB236438.025	Conductivity of Extract (1:5 as received)	µS/cm	1	320	290	31	8
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	350	320	31	8
SE225344.050	LB236507.014	Conductivity of Extract (1:5 as received)	µS/cm	1	260	300	31	13
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	300	340	31	13
SE225344.060	LB236507.025	Conductivity of Extract (1:5 as received)	µS/cm	1	300	230	31	27
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	350	270	31	27
SE225344.070	LB236420.014	Conductivity of Extract (1:5 as received)	µS/cm	1	310	200	31	42 @
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	390	250	31	42 @
SE225344.080	LB236420.025	Conductivity of Extract (1:5 as received)	µS/cm	1	310	280	31	9
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	390	360	31	9
SE225344.090	LB236607.014	Conductivity of Extract (1:5 as received)	µS/cm	1	180	180	31	3
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	230	220	31	3
SE225344.100	LB236607.025	Conductivity of Extract (1:5 as received)	µS/cm	1	270	200	31	29
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	340	260	31	29
SE225344.110	LB236621.014	Conductivity of Extract (1:5 as received)	µS/cm	1	180	160	31	7
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	220	210	31	7
SE225344.120	LB236621.025	Conductivity of Extract (1:5 as received)	µS/cm	1	870	900	30	3
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	1100	1200	30	3
SE225344.130	LB236622.014	Conductivity of Extract (1:5 as received)	µS/cm	1	180	160	31	11
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	200	180	31	11
SE225344.140	LB236622.025	Conductivity of Extract (1:5 as received)	µS/cm	1	290	330	31	13
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	350	400	31	13
SE225344.150	LB236732.014	Conductivity of Extract (1:5 as received)	µS/cm	1	500	530	30	5
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	630	660	30	5
SE225344.160	LB236732.025	Conductivity of Extract (1:5 as received)	µS/cm	1	350	340	31	4
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	410	400	30	4
SE225344.170	LB236719.014	Conductivity of Extract (1:5 as received)	µS/cm	1	210	250	31	16
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	240	280	31	16
SE225344.180	LB236719.025	Conductivity of Extract (1:5 as received)	µS/cm	1	160	150	31	5
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	180	170	31	5
SE225344.190	LB236733.014	Conductivity of Extract (1:5 as received)	µS/cm	1	170	190	31	14
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	210	240	31	14
SE225344.200	LB236733.025	Conductivity of Extract (1:5 as received)	µS/cm	1	200	170	31	18
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	250	210	31	18
SE225344.210	LB236637.014	Conductivity of Extract (1:5 as received)	µS/cm	1	240	260	31	9
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	290	320	31	9
SE225344.220	LB236637.025	Conductivity of Extract (1:5 as received)	µS/cm	1	250	200	31	23
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	300	240	31	23
SE225344.230	LB236698.014	Conductivity of Extract (1:5 as received)	µS/cm	1	280	240	31	13
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	310	270	31	13
SE225344.240	LB236698.025	Conductivity of Extract (1:5 as received)	µS/cm	1	250	270	31	7
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	290	310	31	7
SE225344.250	LB236699.014	Conductivity of Extract (1:5 as received)	µS/cm	1	220	180	31	17
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	240	210	31	17
SE225344.259	LB236699.023	Conductivity of Extract (1:5 as received)	µS/cm	1	330	290	31	12
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	360	320	31	12

Moisture Content

Method: ME-(AU)-[ENV]JAN002

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE225344.010	LB236389.011	% Moisture	%w/w	1	20.6	19.8	35	4
SE225344.020	LB236389.022	% Moisture	%w/w	1	11.7	12.0	38	2
SE225344.030	LB236390.011	% Moisture	%w/w	1	15.7	12.7	37	21
SE225344.040	LB236390.022	% Moisture	%w/w	1	9.0	9.5	41	6
SE225344.050	LB236391.011	% Moisture	%w/w	1	10.5	9.8	40	7
SE225344.060	LB236391.022	% Moisture	%w/w	1	14.2	13.6	37	4

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

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: $MAD = 100 \times SDL / Mean + LR$

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 identifier 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

Moisture Content (continued)

Method: ME-(AU)-[ENV]AN02

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE225344.070	LB236392.011	% Moisture	%w/w	1	21.1	21.0	35	0
SE225344.080	LB236392.022	% Moisture	%w/w	1	21.9	18.3	35	18
SE225344.090	LB236393.011	% Moisture	%w/w	1	18.0	18.6	35	3
SE225344.100	LB236393.022	% Moisture	%w/w	1	21.6	21.1	35	2
SE225344.110	LB236394.011	% Moisture	%w/w	1	20.4	21.6	35	5
SE225344.120	LB236394.022	% Moisture	%w/w	1	22.1	21.5	35	3
SE225344.130	LB236395.011	% Moisture	%w/w	1	8.8	9.1	41	3
SE225344.140	LB236395.022	% Moisture	%w/w	1	16.2	16.8	36	4
SE225344.150	LB236396.011	% Moisture	%w/w	1	20.0	21.1	35	5
SE225344.160	LB236396.022	% Moisture	%w/w	1	15.8	13.9	37	13
SE225344.170	LB236397.011	% Moisture	%w/w	1	11.5	14.1	38	21
SE225344.180	LB236397.022	% Moisture	%w/w	1	9.4	10.0	40	6
SE225344.190	LB236398.011	% Moisture	%w/w	1	18.5	15.3	36	18
SE225344.200	LB236398.022	% Moisture	%w/w	1	20.5	22.0	35	7
SE225344.210	LB236399.011	% Moisture	%w/w	1	18.5	18.4	35	0
SE225344.220	LB236399.022	% Moisture	%w/w	1	18.1	19.5	35	8
SE225344.230	LB236400.011	% Moisture	%w/w	1	10.5	10.0	40	5
SE225344.240	LB236400.022	% Moisture	%w/w	1	13.4	11.1	38	19
SE225344.250	LB236401.011	% Moisture	%w/w	1	11.1	11.2	39	1
SE225344.259	LB236401.020	% Moisture	%w/w	1	9.2	9.8	41	7

pH in soil (1:5)

Method: ME-(AU)-[ENV]AN101

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE225344.010	LB236417.029	pH	pH Units	0.1	4.3	4.3	32	1
SE225344.020	LB236417.028	pH	pH Units	0.1	5.2	5.3	32	2
SE225344.030	LB236438.014	pH	pH Units	0.1	4.5	4.8	32	7
SE225344.040	LB236438.025	pH	pH Units	0.1	5.0	5.0	32	0
SE225344.050	LB236507.014	pH	pH Units	0.1	5.4	5.3	32	1
SE225344.060	LB236507.025	pH	pH Units	0.1	5.1	5.5	32	7
SE225344.070	LB236420.014	pH	pH Units	0.1	5.0	5.2	32	4
SE225344.080	LB236420.025	pH	pH Units	0.1	4.4	4.7	32	5
SE225344.090	LB236607.014	pH	pH Units	0.1	5.0	5.0	32	0
SE225344.100	LB236607.025	pH	pH Units	0.1	5.3	5.1	32	4
SE225344.110	LB236621.014	pH	pH Units	0.1	4.8	4.8	32	1
SE225344.120	LB236621.025	pH	pH Units	0.1	4.6	4.6	32	1
SE225344.130	LB236622.014	pH	pH Units	0.1	6.0	5.6	32	7
SE225344.140	LB236622.025	pH	pH Units	0.1	5.2	5.1	32	1
SE225344.150	LB236732.014	pH	pH Units	0.1	5.0	5.0	32	0
SE225344.160	LB236732.025	pH	pH Units	0.1	5.1	5.1	32	1
SE225344.170	LB236719.014	pH	pH Units	0.1	5.5	5.5	32	0
SE225344.180	LB236719.025	pH	pH Units	0.1	5.6	5.6	32	1
SE225344.190	LB236733.014	pH	pH Units	0.1	5.4	5.4	32	1
SE225344.200	LB236733.025	pH	pH Units	0.1	5.3	5.3	32	0
SE225344.210	LB236637.014	pH	pH Units	0.1	4.9	4.9	32	1
SE225344.220	LB236637.025	pH	pH Units	0.1	4.5	4.6	32	1
SE225344.230	LB236698.014	pH	pH Units	0.1	7.4	6.1	31	18
SE225344.240	LB236698.025	pH	pH Units	0.1	5.9	6.1	32	2
SE225344.250	LB236699.014	pH	pH Units	0.1	5.9	6.2	32	4
SE225344.259	LB236699.023	pH	pH Units	0.1	5.8	6.3	32	9

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.

Conductivity and TDS by Calculation - Soil

Method: ME-(AU)-[ENV]JAN106

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB236417.002	Conductivity of Extract (1:5 as received)	µS/cm	1	290	303	85 - 115	96
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	96
LB236420.002	Conductivity of Extract (1:5 as received)	µS/cm	1	290	303	85 - 115	96
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	96
LB236438.002	Conductivity of Extract (1:5 as received)	µS/cm	1	290	303	85 - 115	97
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	97
LB236507.002	Conductivity of Extract (1:5 as received)	µS/cm	1	320	303	85 - 115	104
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	104
LB236607.002	Conductivity of Extract (1:5 as received)	µS/cm	1	330	303	85 - 115	108
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	108
LB236621.002	Conductivity of Extract (1:5 as received)	µS/cm	1	290	303	85 - 115	96
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	96
LB236622.002	Conductivity of Extract (1:5 as received)	µS/cm	1	300	303	85 - 115	99
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	99
LB236637.002	Conductivity of Extract (1:5 as received)	µS/cm	1	290	303	85 - 115	96
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	96
LB236698.002	Conductivity of Extract (1:5 as received)	µS/cm	1	310	303	85 - 115	101
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	101
LB236699.002	Conductivity of Extract (1:5 as received)	µS/cm	1	300	303	85 - 115	100
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	100
LB236719.002	Conductivity of Extract (1:5 as received)	µS/cm	1	320	303	85 - 115	105
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	105
LB236732.002	Conductivity of Extract (1:5 as received)	µS/cm	1	320	303	85 - 115	105
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	105
LB236733.002	Conductivity of Extract (1:5 as received)	µS/cm	1	290	303	85 - 115	96
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	96

pH in soil (1:5)

Method: ME-(AU)-[ENV]JAN101

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB236417.003	pH	pH Units	0.1	7.4	7.415	98 - 102	99
LB236420.003	pH	pH Units	0.1	7.4	7.415	98 - 102	99
LB236438.003	pH	pH Units	0.1	7.4	7.415	98 - 102	99
LB236507.003	pH	pH Units	0.1	7.4	7.415	98 - 102	100
LB236607.003	pH	pH Units	0.1	7.4	7.415	98 - 102	100
LB236621.003	pH	pH Units	0.1	7.4	7.415	98 - 102	99
LB236622.003	pH	pH Units	0.1	7.4	7.415	98 - 102	100
LB236637.003	pH	pH Units	0.1	7.4	7.415	98 - 102	99
LB236698.003	pH	pH Units	0.1	7.4	7.415	98 - 102	100
LB236699.003	pH	pH Units	0.1	7.4	7.415	98 - 102	99
LB236719.003	pH	pH Units	0.1	7.4	7.415	98 - 102	100
LB236732.003	pH	pH Units	0.1	7.5	7.415	98 - 102	101
LB236733.003	pH	pH Units	0.1	7.4	7.415	98 - 102	100

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 identifier when outside suggested criteria. Refer to the footnotes section at the end of this report for failure reasons.

No matrix spikes were required for this job.

Matrix spike duplicates are calculated as Relative Percent Difference (RPD) using the formula: $RPD = | \text{OriginalResult} - \text{ReplicateResult} | \times 100 / \text{Mean}$

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: $MAD = 100 \times \text{SDL} / \text{Mean} + \text{LR}$

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 identifier 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.

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Geotech Testing Pty Ltd

Laboratory Test Request / Chain of Custody Record

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 Tel: (02) 4722 2700
 Fax: (02) 4722 6181
 email: info@geotech.com.au

PH: 02 8594 0400
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 P O Box 880
 PENRITH NSW 2751
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SGS ENVIRONMENTAL SERVICES
 UNIT 16
 33 MADDOX STREET
 ALEXANDRIA NSW 2015

Page 1 of 1
 Sampling By: Raja Job No: 8599/76
 Project: Mersden Park
 Project Manager: Ram

Location	Depth (m)	Date	Time	Sample type		Results required by:		EC	pH	KEEP SAMPLE
				Soil	Water	Soil	Water			
TP1	0.3-0.4	28/10/2021		DSP		✓	✓			YES
TP2	1.0-1.1	29/10/2021		DSP		✓	✓			YES
TP3	0.3-0.4			DSP		✓	✓			YES
TP4	1.0-1.1			DSP		✓	✓			YES
TP5	0.3-0.4			DSP		✓	✓			YES
TP6	1.0-1.1			DSP		✓	✓			YES
TP7	0.3-0.4			DSP		✓	✓			YES
TP8	1.0-1.1			DSP		✓	✓			YES
TP9	0.3-0.4			DSP		✓	✓			YES
TP10	1.0-1.1			DSP		✓	✓			YES
TP11	0.3-0.4			DSP		✓	✓			YES
TP12	1.0-1.1			DSP		✓	✓			YES
TP13	0.3-0.4			DSP		✓	✓			YES
TP14	1.0-1.1			DSP		✓	✓			YES
TP15	0.3-0.4			DSP		✓	✓			YES
TP16	1.0-1.1			DSP		✓	✓			YES
TP17	0.3-0.4			DSP		✓	✓			YES
TP18	1.0-1.1			DSP		✓	✓			YES
TP19	0.3-0.4			DSP		✓	✓			YES
TP20	1.0-1.1			DSP		✓	✓			YES
TP21	0.3-0.4			DSP		✓	✓			YES
TP22	1.0-1.1			DSP		✓	✓			YES
TP23	0.3-0.4			DSP		✓	✓			YES
TP24	1.0-1.1			DSP		✓	✓			YES
TP25	0.3-0.4			DSP		✓	✓			YES
TP26	1.0-1.1			DSP		✓	✓			YES

SGS EHS Sydney COC
SE225344


Table with columns for TP IDs (TP27-TP85), dates (03-04, 10-11), DSP types (DSP), and Yes/No status. Includes handwritten annotations for each TP ID.

TP ID	Date	DSP	Yes/No
TP27	03-04	DSP	✓
TP28	03-04	DSP	✓
TP29	03-04	DSP	✓
TP30	03-04	DSP	✓
TP31	03-04	DSP	✓
TP32	03-04	DSP	✓
TP33	03-04	DSP	✓
TP34	03-04	DSP	✓
TP35	03-04	DSP	✓
TP36	03-04	DSP	✓
TP37	03-04	DSP	✓
TP38	03-04	DSP	✓
TP39	03-04	DSP	✓
TP40	03-04	DSP	✓
TP41	03-04	DSP	✓
TP42	03-04	DSP	✓
TP43	03-04	DSP	✓
TP44	03-04	DSP	✓
TP45	03-04	DSP	✓
TP46	03-04	DSP	✓
TP47	03-04	DSP	✓
TP48	03-04	DSP	✓
TP49	03-04	DSP	✓
TP50	03-04	DSP	✓
TP51	03-04	DSP	✓
TP52	03-04	DSP	✓
TP53	03-04	DSP	✓
TP54	03-04	DSP	✓
TP55	03-04	DSP	✓
TP56	03-04	DSP	✓
TP57	03-04	DSP	✓
TP58	03-04	DSP	✓
TP59	03-04	DSP	✓
TP60	03-04	DSP	✓
TP61	03-04	DSP	✓
TP62	03-04	DSP	✓
TP63	03-04	DSP	✓
TP64	03-04	DSP	✓
TP65	03-04	DSP	✓



SAMPLE RECEIPT ADVICE

SE225344

CLIENT DETAILS

Contact Ram Ravi-Indran
Client Geotechnique
Address P.O. Box 880
NSW 2751

Telephone 02 4722 2700
Facsimile 02 4722 6161
Email ram@geotech.com.au

Project **8599/76 Marsden Park**
Order Number **8599/76**
Samples 259

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 Tue 2/11/2021
Report Due Tue 9/11/2021
SGS Reference **SE225344**

SUBMISSION DETAILS

This is to confirm that 259 samples were received on Tuesday 2/11/2021. Results are expected to be ready by COB Tuesday 9/11/2021. Please quote SGS reference SE225344 when making enquiries. Refer below for details relating to sample integrity upon receipt.

Samples clearly labelled	Yes	Complete documentation received	Yes
Sample container provider	Client	Sample cooling method	None
Samples received in correct containers	Yes	Sample counts by matrix	258 Soil
Date documentation received	2/11/2021	Type of documentation received	COC
Samples received in good order	Yes	Samples received without headspace	N/A
Sample temperature upon receipt	22°C	Sufficient sample for analysis	Yes
Turnaround time requested	Standard		

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

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CLIENT DETAILS

Client **Geotechnique**

Project **8599/76 Marsden Park**

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
001	TP1 0.3-0.4	2	1	1
002	TP1 1.0-1.1	2	1	1
003	TP2 0.3-0.4	2	1	1
004	TP2 1.0-1.1	2	1	1
005	TP3 0.3-0.4	2	1	1
006	TP3 1.0-1.1	2	1	1
007	TP4 0.3-0.4	2	1	1
008	TP4 1.0-1.1	2	1	1
009	TP5 0.3-0.4	2	1	1
010	TP5 1.0-1.1	2	1	1
011	TP6 0.3-0.4	2	1	1
012	TP6 1.0-1.1	2	1	1
013	TP7 0.3-0.4	2	1	1
014	TP7 1.0-1.1	2	1	1
015	TP8 0.3-0.4	2	1	1
016	TP8 1.0-1.1	2	1	1
017	TP9 0.3-0.4	2	1	1
018	TP9 1.0-1.1	2	1	1
019	TP10 0.3-0.4	2	1	1
020	TP10 1.0-1.1	2	1	1
021	TP11 0.3-0.4	2	1	1
022	TP11 1.0-1.1	2	1	1
023	TP12 0.3-0.4	2	1	1
024	TP12 1.0-1.1	2	1	1

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.

CLIENT DETAILS

Client **Geotechnique**

Project **8599/76 Marsden Park**

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
217	TP112 1.0-1.1	2	1	1
218	TP113 0.3-0.4	2	1	1
219	TP113 1.0-1.1	2	1	1
220	TP114 0.3-0.4	2	1	1
221	TP114 1.0-1.1	2	1	1
222	TP115 0.3-0.4	2	1	1
223	TP115 1.0-1.1	2	1	1
224	TP116 0.3-0.4	2	1	1
225	TP116 1.0-1.1	2	1	1
226	TP117 0.3-0.4	2	1	1
227	TP117 1.0-1.1	2	1	1
228	TP118 0.3-0.4	2	1	1
229	TP118 1.0-1.1	2	1	1
230	TP119 0.3-0.4	2	1	1
231	TP119 1.0-1.1	2	1	1
232	TP120 0.3-0.4	2	1	1
233	TP120 1.0-1.1	2	1	1
234	TP121 0.3-0.4	2	1	1
235	TP121 1.0-1.1	2	1	1
236	TP122 0.3-0.4	2	1	1
237	TP122 1.0-1.1	2	1	1
238	TP123 0.3-0.4	2	1	1
239	TP123 1.0-1.1	2	1	1
240	TP124 0.3-0.4	2	1	1

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.

CLIENT DETAILS

Client **Geotechnique**

Project **8599/76 Marsden Park**

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
241	TP124 1.0-1.1	2	1	1
242	TP125 0.3-0.4	2	1	1
243	TP125 1.0-1.1	2	1	1
244	TP126 0.3-0.4	2	1	1
245	TP126 1.0-1.1	2	1	1
246	TP127 0.3-0.4	2	1	1
247	TP127 1.0-1.1	2	1	1
248	TP128 0.3-0.4	2	1	1
249	TP128 1.0-1.1	2	1	1
250	TP125_1 0.3-0.4	2	1	1
252	TP129 0.3-0.4	2	1	1
253	TP129 1.0-1.1	2	1	1
254	TP130 0.3-0.4	2	1	1
255	TP130 1.0-1.1	2	1	1
256	TP131 0.3-0.4	2	1	1
257	TP131 1.0-1.1	2	1	1
258	TP132 0.3-0.4	2	1	1
259	TP132 1.0-1.1	2	1	1

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.

CLIENT DETAILS

Client **Geotechnique**

Project **8599/76 Marsden Park**

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
025	TP13 0.3-0.4	2	1	1
026	TP13 1.0-1.1	2	1	1
027	TP14 0.3-0.4	2	1	1
028	TP14 1.0-1.1	2	1	1
029	TP15 0.3-0.4	2	1	1
030	TP15 1.0-1.1	2	1	1
031	TP16 0.3-0.4	2	1	1
032	TP16 1.0-1.1	2	1	1
033	TP17 0.3-0.4	2	1	1
034	TP17 1.0-1.1	2	1	1
035	TP18 0.3-0.4	2	1	1
036	TP18 1.0-1.1	2	1	1
037	TP19 0.3-0.4	2	1	1
038	TP19 1.0-1.1	2	1	1
039	TP20 0.3-0.4	2	1	1
040	TP20 1.0-1.1	2	1	1
041	TP21 0.3-0.4	2	1	1
042	TP21 1.0-1.1	2	1	1
043	TP22 0.3-0.4	2	1	1
044	TP22 1.0-1.1	2	1	1
045	TP23 0.3-0.4	2	1	1
046	TP23 1.0-1.1	2	1	1
047	TP24 0.3-0.4	2	1	1
048	TP24 1.0-1.1	2	1	1

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.

CLIENT DETAILS

Client **Geotechnique**

Project **8599/76 Marsden Park**

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
049	TP25 0.3-0.4	2	1	1
050	TP25 1.0-1.1	2	1	1
051	TP26 0.3-0.4	2	1	1
052	TP26 1.0-1.1	2	1	1
053	TP27 0.3-0.4	2	1	1
054	TP27 1.0-1.1	2	1	1
055	TP28 0.3-0.4	2	1	1
056	TP28 1.0-1.1	2	1	1
057	TP29 0.3-0.4	2	1	1
058	TP29 1.0-1.1	2	1	1
059	TP30 0.3-0.4	2	1	1
060	TP30 1.0-1.1	2	1	1
061	TP31 0.3-0.4	2	1	1
062	TP31 1.0-1.1	2	1	1
063	TP32 0.3-0.4	2	1	1
064	TP32 1.0-1.1	2	1	1
065	TP33 0.3-0.4	2	1	1
066	TP33 1.0-1.1	2	1	1
067	TP34 0.3-0.4	2	1	1
068	TP34 1.0-1.1	2	1	1
069	TP35 0.3-0.4	2	1	1
070	TP35 1.0-1.1	2	1	1
071	TP36 0.3-0.4	2	1	1
072	TP36 1.0-1.1	2	1	1

CONTINUED OVERLEAF

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CLIENT DETAILS

Client **Geotechnique**

Project **8599/76 Marsden Park**

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
073	TP37 0.3-0.4	2	1	1
074	TP37 1.0-1.1	2	1	1
075	TP38 0.3-0.4	2	1	1
076	TP38 1.0-1.1	2	1	1
077	TP39 0.3-0.4	2	1	1
078	TP39 1.0-1.1	2	1	1
079	TP40 0.3-0.4	2	1	1
080	TP40 1.0-1.1	2	1	1
081	TP41 0.3-0.4	2	1	1
082	TP41 1.0-1.1	2	1	1
083	TP42 0.3-0.4	2	1	1
084	TP42 1.0-1.1	2	1	1
085	TP43 0.3-0.4	2	1	1
086	TP43 1.0-1.1	2	1	1
087	TP44 0.3-0.4	2	1	1
088	TP44 1.0-1.1	2	1	1
089	TP45 0.3-0.4	2	1	1
090	TP45 1.0-1.1	2	1	1
091	TP46 0.3-0.4	2	1	1
092	TP46 1.0-1.1	2	1	1
093	TP47 0.3-0.4	2	1	1
094	TP47 1.0-1.1	2	1	1
095	TP48 0.3-0.4	2	1	1
096	TP48 1.0-1.1	2	1	1

CONTINUED OVERLEAF

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CLIENT DETAILS

Client **Geotechnique**

Project **8599/76 Marsden Park**

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
097	TP49 0.3-0.4	2	1	1
098	TP49 1.0-1.1	2	1	1
099	TP50 0.3-0.4	2	1	1
100	TP50 1.0-1.1	2	1	1
101	TP51 0.3-0.4	2	1	1
102	TP51 1.0-1.1	2	1	1
103	TP52 0.3-0.4	2	1	1
104	TP52 1.0-1.1	2	1	1
105	TP53 0.3-0.4	2	1	1
106	TP53 1.0-1.1	2	1	1
107	TP54 0.3-0.4	2	1	1
108	TP54 1.0-1.1	2	1	1
109	TP55 0.3-0.4	2	1	1
110	TP55 1.0-1.1	2	1	1
111	TP56 0.3-0.4	2	1	1
112	TP56 1.0-1.1	2	1	1
113	TP57 0.3-0.4	2	1	1
114	TP58 0.3-0.4	2	1	1
115	TP59 0.3-0.4	2	1	1
116	TP60 0.3-0.4	2	1	1
117	TP61 0.3-0.4	2	1	1
118	TP62 0.3-0.4	2	1	1
119	TP63 0.3-0.4	2	1	1
120	TP63 1.0-1.1	2	1	1

CONTINUED OVERLEAF

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CLIENT DETAILS

Client **Geotechnique**

Project **8599/76 Marsden Park**

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
121	TP64 0.3-0.4	2	1	1
122	TP64 1.0-1.1	2	1	1
123	TP65 0.3-0.4	2	1	1
124	TP65 1.0-1.1	2	1	1
125	TP66 0.3-0.4	2	1	1
126	TP67 0.3-0.4	2	1	1
127	TP67 1.0-1.1	2	1	1
128	TP68 0.3-0.4	2	1	1
129	TP68 1.0-1.1	2	1	1
130	TP69 0.3-0.4	2	1	1
131	TP69 1.0-1.1	2	1	1
132	TP70 0.3-0.4	2	1	1
133	TP70 1.0-1.1	2	1	1
134	TP71 0.3-0.4	2	1	1
135	TP71 1.0-1.1	2	1	1
136	TP72 0.3-0.4	2	1	1
137	TP72 1.0-1.1	2	1	1
138	TP73 0.3-0.4	2	1	1
139	TP73 1.0-1.1	2	1	1
140	TP74 0.3-0.4	2	1	1
141	TP74 1.0-1.1	2	1	1
142	TP75 0.3-0.4	2	1	1
143	TP75 1.0-1.1	2	1	1
144	TP76 0.3-0.4	2	1	1

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CLIENT DETAILS

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Project **8599/76 Marsden Park**

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
145	TP76 1.0-1.1	2	1	1
146	TP77 0.3-0.4	2	1	1
147	TP77 1.0-1.1	2	1	1
148	TP78 0.3-0.4	2	1	1
149	TP78 1.0-1.1	2	1	1
150	TP79 0.3-0.4	2	1	1
151	TP79 1.0-1.1	2	1	1
152	TP80 0.3-0.4	2	1	1
153	TP80 1.0-1.1	2	1	1
154	TP81 0.3-0.4	2	1	1
155	TP81 1.0-1.1	2	1	1
156	TP82 0.3-0.4	2	1	1
157	TP82 1.0-1.1	2	1	1
158	TP83 0.3-0.4	2	1	1
159	TP83 1.0-1.1	2	1	1
160	TP84 0.3-0.4	2	1	1
161	TP84 1.0-1.1	2	1	1
162	TP85 0.3-0.4	2	1	1
163	TP85 1.0-1.1	2	1	1
164	TP86 0.3-0.4	2	1	1
165	TP86 1.0-1.1	2	1	1
166	TP87 0.3-0.4	2	1	1
167	TP87 1.0-1.1	2	1	1
168	TP88 0.3-0.4	2	1	1

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Project **8599/76 Marsden Park**

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
169	TP88 1.0-1.1	2	1	1
170	TP89 0.3-0.4	2	1	1
171	TP89 1.0-1.1	2	1	1
172	TP90 0.3-0.4	2	1	1
173	TP90 1.0-1.1	2	1	1
174	TP91 0.3-0.4	2	1	1
175	TP91 1.0-1.1	2	1	1
176	TP92 0.3-0.4	2	1	1
177	TP92 1.0-1.1	2	1	1
178	TP93 0.3-0.4	2	1	1
179	TP93 1.0-1.1	2	1	1
180	TP94 0.3-0.4	2	1	1
181	TP94 1.0-1.1	2	1	1
182	TP95 0.3-0.4	2	1	1
183	TP95 1.0-1.1	2	1	1
184	TP96 0.3-0.4	2	1	1
185	TP96 1.0-1.1	2	1	1
186	TP97 0.3-0.4	2	1	1
187	TP97 1.0-1.1	2	1	1
188	TP98 0.3-0.4	2	1	1
189	TP98 1.0-1.1	2	1	1
190	TP99 0.3-0.4	2	1	1
191	TP99 1.0-1.1	2	1	1
192	TP100 0.3-0.4	2	1	1

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Project **8599/76 Marsden Park**

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No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
193	TP100 1.0-1.1	2	1	1
194	TP101 0.3-0.4	2	1	1
195	TP101 1.0-1.1	2	1	1
196	TP102 0.3-0.4	2	1	1
197	TP102 1.0-1.1	2	1	1
198	TP103 0.3-0.4	2	1	1
199	TP103 1.0-1.1	2	1	1
200	TP104 0.3-0.4	2	1	1
201	TP104 1.0-1.1	2	1	1
202	TP105 0.3-0.4	2	1	1
203	TP105 1.0-1.1	2	1	1
204	TP106 0.3-0.4	2	1	1
205	TP106 1.0-1.1	2	1	1
206	TP107 0.3-0.4	2	1	1
207	TP107 1.0-1.1	2	1	1
208	TP108 0.3-0.4	2	1	1
209	TP108 1.0-1.1	2	1	1
210	TP109 0.3-0.4	2	1	1
211	TP109 1.0-1.1	2	1	1
212	TP110 0.3-0.4	2	1	1
213	TP110 1.0-1.1	2	1	1
214	TP111 0.3-0.4	2	1	1
215	TP111 1.0-1.1	2	1	1
216	TP112 0.3-0.4	2	1	1

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