GEOTECH TESTING PTY LTD ®
ABN 71 076 676 321

Job No: 8599/18
Our Ref: 8599/18-AA
23 September 2019

Daracon Contractors Pty Ltd
184 Adderley Street
AUBURN NSW 2144
Email: SimpsonW@daracon.com.au

Attention: Mr S Wong

Dear Sir

Re: **Newpark - Precinct 4, Marsden Park**
Post Earthworks Salinity Assessment Report

At your request, Geotech Testing Pty Ltd conducted a salinity and aggressivity assessment at the above site after completion of earthworks. A total of 270 lots are covered in this report (Lots 4001 to 4270).

Field Work

Field work for the investigation was carried out on 11 and 12 September 2019, under the supervision of a Geotechnical Engineer from the company and consisted of excavating ninety-five (95) test pits (TP101 to TP195), using an excavator. The test pits were terminated at a depth of 1m. Samples were collected from the test pits for visual inspection and laboratory testing. The approximate locations of the test pits are shown on the attached Drawing Nos 8599/18-AA1. The brief description of materials encountered in the test pits are provided in the attached Table A.

Site Conditions

Newpark Precinct 4 in bounded to the north by the Little Creek, to the south by Road C102 and Education Precinct, to the west by temporary detention basin and to the east by Basin 3. At the time of field work earthworks were mostly completed, with most lots covered with topsoil and the site possessing no vegetation.

Sub-surface Conditions

Subsurface conditions encountered in the test pits are detailed in the attached Table A and summarised below.

Fill	Silty Clay, low to medium plasticity, brown, with some gravel Silty Clay, medium plasticity, grey, red, with ironstone gravels Silty Clay, medium to high plasticity, brown and yellow with some gravels
Natural	Silty CLAY, medium to high plasticity, grey mottled brown Silty CLAY, high plasticity, orange, brown

Groundwater Condition

Groundwater was not observed in the test pits during the short time 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 no evident during field work.

Exposure Classification

Laboratory Testing

During field work, a total of 190 soil samples were recovered for chemical testing in the NATA accredited laboratory of SGS to assess salinity (Electrical Conductivity (EC)) and acidity (pH) properties. The test results are summarised in Table 1 along with Exposure Classifications.

Table 1: Laboratory Test Results

Location	Depth (m)	EC (µS/cm)	pH	MF	EC_e (dS/m)	Exposure Classification
TP101	0.2-0.3	200	5.7	8	1.6	A1
TP101	0.8-0.9	210	6.6	8	1.7	A1
TP102	0.3-0.4	350	8.2	8	2.8	A1
TP102	0.6-0.7	550	5.4	8	4.4	A2
TP103	0.2-0.3	230	6.1	8	1.8	A1
TP103	0.9-1.0	260	5.8	8	2.1	A1
TP104	0.5-0.6	300	5.1	8	2.4	A2
TP104	0.9-1.0	330	5.1	8	2.6	A2
TP105	0.2-0.3	270	5.9	8	2.2	A1
TP105	0.5-0.6	330	5.4	8	2.6	A2
TP106	0.4-0.5	200	8.9	8	1.6	A1
TP106	0.8-0.9	460	5.2	8	3.7	A2
TP107	0.2-0.3	320	6.9	8	2.6	A1
TP107	0.7-0.8	400	5.1	8	3.2	A2
TP108	0.2-0.3	380	5.3	8	3.0	A2
TP108	0.5-0.6	690	5.4	8	5.5	A2
TP109	0.2-0.3	380	6.6	8	3.0	A1
TP109	0.8-0.9	420	5.4	8	3.4	A2
TP110	0.2-0.3	140	5.9	8	1.1	A1
TP110	0.9-1.0	280	5.1	8	2.2	A2
TP111	0.4-0.5	170	5.7	8	1.4	A1
TP111	0.9-1.0	580	5.2	8	4.6	A2
TP112	0.2-0.3	140	5.9	8	1.1	A1
TP112	0.6-0.7	720	5.5	8	5.8	A2
TP113	0.2-0.3	220	6.9	8	1.8	A1
TP113	0.5-0.6	370	5	8	3.0	A2
TP114	0.2-0.3	330	6.3	8	2.6	A1
TP114	0.7-0.8	400	5	8	3.2	A2
TP115	0.2-0.3	320	5.7	8	2.6	A1
TP115	0.5-0.6	770	5.3	8	6.2	A2
TP116	0.4-0.5	440	5.4	8	3.5	A2

Location	Depth (m)	EC (µS/cm)	pH	MF	EC_e (dS/m)	Exposure Classification
TP116	0.9-1.0	170	6.2	8	1.4	A1
TP117	0.2-0.3	370	5.7	8	3.0	A1
TP117	0.5-0.6	360	7.1	8	2.9	A1
TP118	0.2-0.3	130	5.9	8	1.0	A1
TP118	0.7-0.8	300	5.7	8	2.4	A1
TP119	0.5-0.6	220	6.6	8	1.8	A1
TP119	0.9-1.0	270	5.3	8	2.2	A2
TP120	0.2-0.3	290	5.4	8	2.3	A2
TP120	0.7-0.8	680	5.5	8	5.4	A2
TP121	0.2-0.3	350	7.9	8	2.8	A1
TP121	0.5-0.6	550	5.3	8	4.4	A2
TP122	0.4-0.5	290	5.7	8	2.3	A1
TP122	0.9-1.0	430	5.7	8	3.4	A1
TP123	0.2-0.3	350	6.9	8	2.8	A1
TP123	0.6-0.7	360	5.5	8	2.9	A1
TP124	0.5-0.6	350	7.3	8	2.8	A1
TP124	0.9-1.0	370	5	8	3.0	A2
TP125	0.2-0.3	330	5.4	8	2.6	A2
TP125	0.6-0.7	380	4.8	8	3.0	A2
TP126	0.4-0.5	590	6.9	8	4.7	A2
TP126	0.9-1.0	460	5.4	8	3.7	A2
TP127	0.2-0.3	430	6.9	8	3.4	A1
TP127	0.5-0.6	440	6.2	8	3.5	A1
TP128	0.2-0.3	510	6.9	8	4.1	A2
TP128	0.5-0.6	420	5.5	8	3.4	A1
TP129	0.4-0.5	1	7.3	8	0.0	A1
TP129	0.7-0.8	460	5.2	8	3.7	A2
TP130	0.2-0.3	530	5.4	8	4.2	A2
TP130	0.6-0.7	400	4.5	8	3.2	A2
TP131	0.2-0.3	270	8.3	8	2.2	A1
TP131	0.5-0.6	440	5	8	3.5	A2
TP132	0.5-0.6	220	7.4	8	1.8	A1
TP132	0.9-1.0	360	7	8	2.9	A1
TP133	0.3-0.4	160	5.4	8	1.3	A2
TP133	0.8-0.9	270	6.2	8	2.2	A1
TP134	0.2-0.3	430	5.5	8	3.4	A1
TP134	0.6-0.7	440	5.4	8	3.5	A2
TP135	0.2-0.3	330	5.3	8	2.6	A2
TP135	0.6-0.7	280	5.7	8	2.2	A1
TP136	0.3-0.4	290	5.9	8	2.3	A1
TP136	0.7-0.8	350	5.7	8	2.8	A1
TP137	0.5-0.6	250	5.4	8	2.0	A2

Location	Depth (m)	EC (µS/cm)	pH	MF	EC_e (dS/m)	Exposure Classification
TP137	0.9-1.0	280	5.7	8	2.2	A1
TP138	0.2-0.3	270	5.3	8	2.2	A2
TP138	0.5-0.6	250	5.8	8	2.0	A1
TP139	0.2-0.3	290	5.3	8	2.3	A2
TP139	0.5-0.6	260	5.9	8	2.1	A1
TP140	0.5-0.6	260	5.7	8	2.1	A1
TP140	0.8-0.9	390	5.6	8	3.1	A1
TP141	0.2-0.3	130	6	8	1.0	A1
TP141	0.6-0.7	210	6	8	1.7	A1
TP142	0.2-0.3	87	6.1	8	0.7	A1
TP142	0.6-0.7	230	5.9	8	1.8	A1
TP143	0.4-0.5	320	5.7	8	2.6	A1
TP143	0.7-0.8	400	5.6	8	3.2	A1
TP144	0.5-0.6	380	5.5	8	3.0	A1
TP144	0.8-0.9	410	5.8	8	3.3	A1
TP145	0.2-0.3	150	5.8	8	1.2	A1
TP145	0.6-0.7	370	5	8	3.0	A2
TP146	0.4-0.5	380	5.5	8	3.0	A1
TP146	0.7-0.8	500	5.8	8	4.0	A2
TP147	0.2-0.3	270	5.8	8	2.2	A1
TP147	0.5-0.6	300	5.9	8	2.4	A1
TP148	0.4-0.5	330	5.6	8	2.6	A1
TP148	0.7-0.8	540	5.7	8	4.3	A2
TP149	0.2-0.3	110	5.6	8	0.9	A1
TP149	0.5-0.6	580	5.7	8	4.6	A2
TP150	0.4-0.5	93	6	8	0.7	A1
TP150	0.8-0.9	170	6.8	8	1.4	A1
TP151	0.2-0.3	250	5.1	8	2.0	A2
TP151	0.6-0.7	220	5.6	8	1.8	A1
TP152	0.5-0.6	87	5.2	8	0.7	A2
TP152	0.9-1.0	120	5.6	8	1.0	A1
TP153	0.2-0.3	100	5.8	8	0.8	A1
TP153	0.6-0.7	69	6.3	8	0.6	A1
TP154	0.5-06	240	5.4	8	1.9	A2
TP154	0.9-1.0	250	5.3	8	2.0	A2
TP155	0.4-0.5	150	5.4	8	1.2	A2
TP155	0.7-0.8	160	5.1	8	1.3	A2
TP156	0.2-0.3	140	5.8	8	1.1	A1
TP156	0.7-0.8	98	7	8	0.8	A1
TP157	0.5-0.6	200	5.4	8	1.6	A2
TP157	0.9-1.0	220	6.7	8	1.8	A1
TP158	0.2-0.3	210	5.7	8	1.7	A1

Location	Depth (m)	EC (µS/cm)	pH	MF	EC_e (dS/m)	Exposure Classification
TP158	0.5-0.6	480	5.6	8	3.8	A1
TP159	0.2-0.3	480	7.7	8	3.8	A1
TP159	0.5-0.6	310	5.8	8	2.5	A1
TP160	0.2-0.3	210	5.9	8	1.7	A1
TP160	0.5-0.6	120	6.4	8	1.0	A1
TP161	0.4-0.5	190	8.6	8	1.5	A1
TP161	0.7-0.8	370	5.7	8	3.0	A1
TP162	0.5-0.6	200	5.7	8	1.6	A1
TP162	0.9-1.0	310	5.5	8	2.5	A1
TP163	0.2-0.3	220	8	8	1.8	A1
TP163	0.6-0.7	340	5.3	8	2.7	A2
TP164	0.3-0.4	110	5.9	8	0.9	A1
TP164	0.6-0.7	370	5.2	8	3.0	A2
TP165	0.2-0.3	340	5.5	8	2.7	A1
TP165	0.5-0.6	290	5.2	8	2.3	A2
TP166	0.4-0.5	150	6.2	8	1.2	A1
TP166	0.8-0.9	84	6.1	8	0.7	A1
TP167	0.2-0.3	190	5.8	8	1.5	A1
TP167	0.6-0.7	86	6.1	8	0.7	A1
TP168	0.5-0.6	150	6.9	8	1.2	A1
TP168	0.8-0.9	150	5.8	8	1.2	A1
TP169	0.3-0.4	260	7.3	8	2.1	A1
TP169	0.6-0.7	220	5.8	8	1.8	A1
TP170	0.4-0.5	320	7.3	8	2.6	A1
TP170	0.9-1.0	160	5.6	8	1.3	A1
TP171	0.2-0.3	460	6	8	3.7	A1
TP171	0.5-0.6	380	5.1	8	3.0	A2
TP172	0.3-0.4	270	5.8	8	2.2	A1
TP172	0.9-1.0	420	5.4	8	3.4	A2
TP173	0.2-0.3	560	5.6	8	4.5	A2
TP173	0.5-0.6	640	4.9	8	5.1	A2
TP174	0.4-0.5	250	5.8	8	2.0	A1
TP174	1.0-1.1	220	5.5	8	1.8	A1
TP175	0.3-0.4	380	5	8	3.0	A2
TP175	0.6-0.7	510	4.8	8	4.1	A2
TP176	0.2-0.3	520	4.9	8	4.2	A2
TP176	0.7-0.8	370	5.2	8	3.0	A2
TP177	0.4-0.5	240	6	8	1.9	A1
TP177	0.9-1.0	600	5	8	4.8	A2
TP178	0.2-0.3	150	5.8	8	1.2	A1
TP178	0.6-0.7	380	5.1	8	3.0	A2
TP179	0.3-0.4	360	5.8	8	2.9	A1

Location	Depth (m)	EC (µS/cm)	pH	MF	EC_e (dS/m)	Exposure Classification
TP179	0.8-0.9	350	5.2	8	2.8	A2
TP180	0.4-0.5	390	6.1	8	3.1	A1
TP180	0.9-1.0	280	5.7	8	2.2	A1
TP181	0.3-0.4	330	5.8	8	2.6	A1
TP181	0.8-0.9	360	5.1	8	2.9	A2
TP182	0.2-0.3	580	6.9	8	4.6	A2
TP182	0.5-0.6	430	4.8	8	3.4	A2
TP183	0.3-0.4	400	5.9	8	3.2	A1
TP183	0.8-0.9	570	5	8	4.6	A2
TP184	0.3-0.4	220	5.7	8	1.8	A1
TP184	0.7-0.8	400	5.1	8	3.2	A2
TP185	0.2-0.3	280	6.1	8	2.2	A1
TP185	0.5-0.6	210	6.2	8	1.7	A1
TP186	0.4-0.5	340	5.7	8	2.7	A1
TP186	0.9-1.0	400	6.7	8	3.2	A1
TP187	0.3-0.4	340	5.8	8	2.7	A1
TP187	0.7-0.8	210	6.3	8	1.7	A1
TP188	0.2-0.3	330	6.3	8	2.6	A1
TP188	0.5-0.6	250	5.2	8	2.0	A2
TP189	0.4-0.5	160	6.6	8	1.3	A1
TP189	0.8-0.9	230	5.5	8	1.8	A1
TP190	0.3-0.4	450	5.6	8	3.6	A1
TP190	0.7-0.8	220	5.9	8	1.8	A1
TP191	0.2-0.3	330	8.4	8	2.6	A1
TP191	0.5-0.6	380	5.4	8	3.0	A2
TP192	0.3-0.4	590	6.9	8	4.7	A2
TP192	0.8-0.9	440	5.5	8	3.5	A1
TP193	0.2-0.3	210	6.9	8	1.7	A1
TP193	0.5-0.6	500	5.5	8	4.0	A2
TP194	0.4-0.5	400	5.4	8	3.2	A2
TP194	0.9-1.0	290	5.7	8	2.3	A1
TP195	0.2-0.3	260	5.6	8	2.1	A1
TP195	0.7-0.8	520	5.9	8	4.2	A2

** 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 DEH (Department of Environment and Heritage) 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 (varying from 6 to 17) based on the texture of the soil sample to obtain Corrected Electrical Conductivity designated as EC_e. Based on site investigation results, an average multiplication factor of 8 was used for the clays 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 the soils at the site are generally non-saline to moderately saline and non-aggressive to 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 2.

Table 2: Site Exposure Classifications (AS2870-2011)

Lot No	Exposure Classification	Lot No	Exposure Classification	Lot No	Exposure Classification
4001	A1	4031	A2	4061	A2
4002	A1	4032	A2	4062	A2
4003	A1	4033	A2	4063	A2
4004	A2	4034	A2	4064	A2
4005	A2	4035	A2	4065	A2
4006	A2	4036	A2	4066	A2
4007	A2	4037	A2	4067	A2
4008	A2	4038	A1	4068	A2
4009	A2	4039	A1	4069	A1
4010	A1	4040	A1	4070	A1
4011	A1	4041	A1	4071	A1
4012	A1	4042	A1	4072	A2
4013	A2	4043	A1	4073	A2
4014	A2	4044	A1	4074	A2
4015	A2	4045	A1	4075	A2
4016	A1	4046	A1	4076	A2
4017	A1	4047	A1	4077	A2
4018	A1	4048	A1	4078	A2
4019	A1	4049	A1	4079	A2
4020	A1	4050	A1	4080	A2
4021	A1	4051	A1	4081	A2
4022	A2	4052	A1	4082	A2
4023	A2	4053	A1	4083	A1
4024	A2	4054	A1	4084	A1
4025	A1	4055	A1	4085	A1
4026	A1	4056	A1	4086	A2
4027	A1	4057	A1	4087	A2
4028	A2	4058	A1	4088	A2
4029	A2	4059	A2	4089	A2
4030	A2	4060	A2	4090	A2

Lot No	Site Classification	Lot No	Site Classification	Lot No	Site Classification
4091	A2	4121	A2	4151	A2
4092	A2	4122	A2	4152	A2
4093	A2	4123	A2	4153	A2
4094	A2	4124	A2	4154	A2
4095	A2	4125	A1	4155	A2
4096	A2	4126	A1	4156	A2
4097	A2	4127	A1	4157	A2
4098	A2	4128	A2	4158	A2
4099	A1	4129	A2	4159	A2
4100	A1	4130	A2	4160	A2
4101	A1	4131	A2	4161	A2
4102	A1	4132	A2	4162	A2
4103	A1	4133	A2	4163	A2
4104	A1	4134	A2	4164	A2
4105	A1	4135	A2	4165	A2
4106	A1	4136	A2	4166	A2
4107	A1	4137	A2	4167	A2
4108	A1	4138	A2	4168	A2
4109	A1	4139	A2	4169	A1
4110	A2	4140	A2	4170	A1
4111	A2	4141	A2	4171	A2
4112	A2	4142	A2	4172	A2
4113	A1	4143	A2	4173	A1
4114	A1	4144	A2	4174	A1
4115	A2	4145	A2	4175	A2
4116	A2	4146	A2	4176	A2
4117	A2	4147	A2	4177	A2
4118	A2	4148	A2	4178	A2
4119	A2	4149	A2	4179	A2
4120	A2	4150	A2	4180	A1

Lot No	Site Classification	Lot No	Site Classification	Lot No	Site Classification
4181	A1	4211	A2	4241	A1
4182	A1	4212	A1	4242	A2
4183	A2	4213	A1	4243	A2
4184	A2	4214	A1	4244	A2
4185	A2	4215	A2	4245	A2
4186	A2	4216	A2	4246	A2
4187	A2	4217	A2	4247	A2
4188	A2	4218	A2	4248	A2
4189	A2	4219	A2	4249	A2
4190	A2	4220	A2	4250	A2
4191	A1	4221	A2	4251	A2
4192	A1	4222	A2	4252	A2
4193	A1	4223	A2	4253	A2
4194	A1	4224	A2	4254	A1
4195	A1	4225	A2	4255	A1
4196	A1	4226	A1	4256	A1
4197	A1	4227	A1	4257	A1
4198	A1	4228	A1	4258	A2
4199	A1	4229	A2	4259	A2
4200	A1	4230	A2	4260	A2
4201	A1	4231	A2	4261	A2
4202	A1	4232	A2	4262	A2
4203	A1	4233	A2	4263	A2
4204	A1	4234	A2	4264	A2
4205	A1	4235	A2	4265	A1
4206	A2	4236	A2	4266	A1
4207	A2	4237	A2	4267	A1
4208	A2	4238	A2	4268	A1
4209	A2	4239	A1	4269	A1
4210	A2	4240	A1	4270	A1

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).

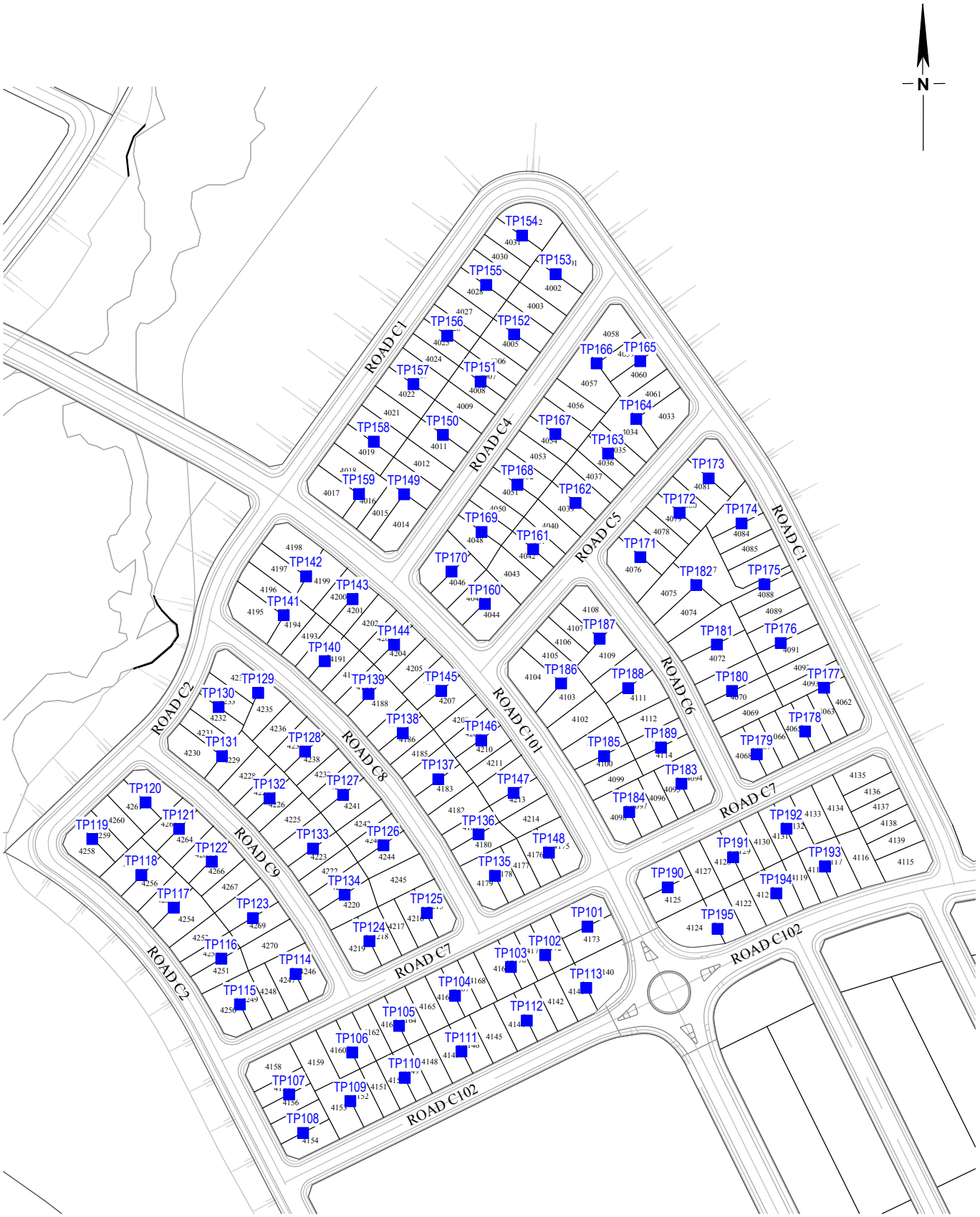
Classification	Minimum Design Characteristic Strength	Minimum Initial Curing
A1	20 MPa	3 days
A2	25 MPa	3 days
B1	32 MPa	7 days

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

Yours faithfully
GEOTECHNIQUE PTY LTD

ZIAUDDIN AHMED
Senior Associate

Attached Drawing Nos 8599/18-AA1 – Test Pit Locations
Table A – Summary of Test Pits (8599/18-AA)
Chemical Tests Results



LEGEND

Test Pit

PREPARED BY:
GEOTECH TESTING PTY LTD ®
34 Borec Road
Penrith
NSW 2750
ABN 71 076 676 321
Tel: 02 4722 2744
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www.geotech.com.au

Daracon Contractors Pty Ltd
Residential Development
Woorong Park - Precinct 4
Marsden Park

Test Pit Locations

Drawing No: 8599/18-AA1
Job No: 8599/18
Drawn By: MH
Date: 13 September 2019
Checked By: AK

File No: 8599-18
Layers: 0, AA1

TABLE A

Job No: 8599/18
Our Ref: 8599/18-AA

TEST PIT NUMBER	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP101	0.0-0.7	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.7-1.0	0.8-0.9 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP102	0.0-0.7	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.7-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP103	0.0-0.4	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP104	0.0-0.5		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.5-0.6 (DS) 0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP105	0.0-0.6	0.2-0.3 (DS) 0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
	0.6-1.0		(CI-CH) Silty CLAY, medium to high plasticity, grey mottled brown, M<PL, very stiff to hard
TP106	0.0-0.4		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.4-0.5 (DS) 0.8-0.9 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP107	0.0-0.4	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted

TABLE A

TEST PIT NUMBER	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP108	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP109	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.8-0.9 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP110	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP111	0.0-0.4		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.4-0.5 (DS) 0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP112	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP113	0.0-0.6	0.2-0.3 (DS) 0.5-0.6 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0		FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP114	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP115	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted

TABLE A

TEST PIT NUMBER	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP116	0.0-0.4		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.4-0.5 (DS) 0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP117	0.0-0.4	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP118	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP119	0.0-0.3		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.3-1.0	0.5-0.6 (DS) 0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP120	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP121	0.0-0.4	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP122	0.0-0.4		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.4-0.5 (DS) 0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP123	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted

TABLE A

TEST PIT NUMBER	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP124	0.0-0.6		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
		0.9-1.0 (DS)	
TP125	0.0-0.4	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP126	0.0-0.5	0.4-0.5 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP127	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP128	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP129	0.0-0.5	0.4-0.5 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP130	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP131	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
		0.5-0.6 (DS)	
	0.6-1.0		FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted

TABLE A

TEST PIT NUMBER	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP132	0.0-0.5		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
		0.9-1.0 (DS)	
TP133	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.8-0.9 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP134	0.0-0.4	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP135	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP136	0.0-0.6	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.5	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP137	0.0-0.5		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
		0.9-1.0 (DS)	
TP138	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
		0.5-0.6 (DS)	
	0.6-1.0		FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP139	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
		0.5-0.6 (DS)	
	0.6-1.0		FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted

TABLE A

TEST PIT NUMBER	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP140	0.0-1.0	0.5-0.6 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
		0.8-0.9 (DS)	
TP141	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP142	0.0-0.3	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.3-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP143	0.0-0.3		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
		0.4-0.5 (DS)	
	0.3-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP144	0.0-1.0	0.5-0.6 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
		0.8-0.9 (DS)	
TP145	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP146	0.0-0.5	0.4-0.5 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP147	0.0-0.4	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP148	0.0-0.5	0.4-0.5 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted

TABLE A

TEST PIT NUMBER	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP149	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP150	0.0-0.4		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.4-0.5 (DS) 0.8-0.9 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP151	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP152	0.0-0.5		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.5-0.6 (DS) 0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP153	0.0-0.3	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.3-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP154	0.0-0.6	0.5-0.6 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP155	0.0-0.5	0.4-0.5 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP156	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted

TABLE A

TEST PIT NUMBER	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP157	0.0-1.0	0.5-0.6 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
		0.9-1.0 (DS)	
TP158	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, medium to high plasticity, brown and yellow, with some gravel, M<OMC, well compacted
		0.5-0.6 (DS)	
	0.6-1.0		FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP159	0.0-0.7	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
		0.5-0.6 (DS)	
	0.7-1.0		FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP160	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
		0.5-0.6 (DS)	
	0.6-1.0		FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP161	0.0-1.0	0.4-0.5 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
		0.7-0.8 (DS)	
TP162	0.0-0.7	0.5-0.6 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.7-1.0	0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP163	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP164	0.0-1.0	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
		0.6-0.7 (DS)	
TP165	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted

TABLE A

TEST PIT NUMBER	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP166	0.0-0.7	0.4-0.5 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.7-1.0	0.8-0.9 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP167	0.0-1.0	0.2-0.3 (DS) 0.6-0.7 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
TP168	0.0-0.6	0.5-0.6 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.8-0.9 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP169	0.0-0.4	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP170	0.0-0.4		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.4-0.5 (DS) 0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP171	0.0-0.3	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.31.0	0.5-0.6 (DS)	(CH) Silty CLAY, high plasticity, orange and brown, M<PL, very stiff to hard
TP172	0.0-0.3		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.3-1.0	0.3-0.4 (DS) 0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP173	0.0-0.6	0.2-0.3 (DS) 0.5-0.6 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0		FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted

TABLE A

TEST PIT NUMBER	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP174	0.0-0.6	0.4-0.5 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.5	1.0-1.1 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP175	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP176	0.0-0.4	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP177	0.0-0.5	0.4-0.5 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP178	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.6-0.7 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP179	0.0-0.4	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.8-0.9 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP180	0.0-0.6	0.4-0.5 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP181	0.0-0.4	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.8-0.9 (DS)	(CH) Silty CLAY, high plasticity, orange and brown, M<PL, very stiff to hard

TABLE A

TEST PIT NUMBER	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP182	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.5-0.6 (DS)	(CH) Silty CLAY, high plasticity, orange and brown, M<PL, very stiff to hard
TP183	0.0-0.4	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.8-0.9 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP184	0.0-0.7	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.7-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP185	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP186	0.0-0.6	0.4-0.5 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP187	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP188	0.0-0.6	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP189	0.0-1.0	0.4-0.5 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
		0.8-0.9 (DS)	

TABLE A

TEST PIT NUMBER	DEPTH (m)	SAMPLE DEPTH (m)	MATERIAL DESCRIPTION
TP190	0.0-0.5	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP191	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.5-0.6 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP192	0.0-0.6	0.3-0.4 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0	0.8-0.9 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP193	0.0-0.6	0.2-0.3 (DS) 0.5-0.6 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.6-1.0		FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP194	0.0-0.4		FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.4-1.0	0.4-0.5 (DS) 0.9-1.0 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted
TP195	0.0-0.5	0.2-0.3 (DS)	FILL: Silty Clay, low to medium plasticity, brown, with some gravels, M<OMC, well compacted
	0.5-1.0	0.7-0.8 (DS)	FILL: Silty Clay, medium plasticity, grey and red, with ironstone gravel, M<OMC, well compacted

ANALYTICAL REPORT

Accreditation No. 2562

CLIENT DETAILS

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Project	**8599-18 Marsden Park**
Order Number	(Not specified)
Samples	190

LABORATORY DETAILS

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SGS Reference	**SE197697 R0**
Date Received	13/9/2019
Date Reported	20/9/2019

COMMENTS

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

SIGNATORIES

Dong Liang
Metals/Inorganics Team Leader

pH in soil (1:5) [AN101] Tested: 18/9/2019

PARAMETER	UOM	LOR	TP101 SOIL 0.2-0.3 11/9/2019 SE197697.001	TP101 SOIL 0.8-0.9 11/9/2019 SE197697.002	TP102 SOIL 0.3-0.4 11/9/2019 SE197697.003	TP102 SOIL 0.6-0.7 11/9/2019 SE197697.004	TP103 SOIL 0.2-0.3 11/9/2019 SE197697.005
pH	pH Units	0.1	5.7	6.6	8.2	5.4	6.1

PARAMETER	UOM	LOR	TP103 SOIL 0.9-1.0 11/9/2019 SE197697.006	TP104 SOIL 0.5-0.6 11/9/2019 SE197697.007	TP104 SOIL 0.9-1.0 11/9/2019 SE197697.008	TP105 SOIL 0.2-0.3 11/9/2019 SE197697.009	TP105 SOIL 0.5-0.6 11/9/2019 SE197697.010
pH	pH Units	0.1	5.8	5.1	5.1	5.9	5.4

PARAMETER	UOM	LOR	TP106 SOIL 0.4-0.5 11/9/2019 SE197697.011	TP106 SOIL 0.8-0.9 11/9/2019 SE197697.012	TP107 SOIL 0.2-0.3 11/9/2019 SE197697.013	TP107 SOIL 0.7-0.8 11/9/2019 SE197697.014	TP108 SOIL 0.2-0.3 11/9/2019 SE197697.015
pH	pH Units	0.1	8.9	5.2	6.9	5.1	5.3

PARAMETER	UOM	LOR	TP108 SOIL 0.5-0.6 11/9/2019 SE197697.016	TP109 SOIL 0.2-0.3 11/9/2019 SE197697.017	TP109 SOIL 0.8-0.9 11/9/2019 SE197697.018	TP110 SOIL 0.2-0.3 11/9/2019 SE197697.019	TP110 SOIL 0.9-1.0 11/9/2019 SE197697.020
pH	pH Units	0.1	5.4	6.6	5.4	5.9	5.1

PARAMETER	UOM	LOR	TP111 SOIL 0.4-0.5 11/9/2019 SE197697.021	TP111 SOIL 0.9-1.0 11/9/2019 SE197697.022	TP112 SOIL 0.2-0.3 11/9/2019 SE197697.023	TP112 SOIL 0.6-0.7 11/9/2019 SE197697.024	TP113 SOIL 0.2-0.3 11/9/2019 SE197697.025
pH	pH Units	0.1	5.7	5.2	5.9	5.5	6.9

PARAMETER	UOM	LOR	TP113 SOIL 0.5-0.6 11/9/2019 SE197697.026	TP114 SOIL 0.2-0.3 11/9/2019 SE197697.027	TP114 SOIL 0.7-0.8 11/9/2019 SE197697.028	TP115 SOIL 0.2-0.3 11/9/2019 SE197697.029	TP115 SOIL 0.5-0.6 11/9/2019 SE197697.030
pH	pH Units	0.1	5.0	6.3	5.0	5.7	5.3

PARAMETER	UOM	LOR	TP116 SOIL 0.4-0.5 11/9/2019 SE197697.031	TP116 SOIL 0.9-1.0 11/9/2019 SE197697.032	TP117 SOIL 0.2-0.3 11/9/2019 SE197697.033	TP117 SOIL 0.5-0.6 11/9/2019 SE197697.034	TP118 SOIL 0.2-0.3 11/9/2019 SE197697.035
pH	pH Units	0.1	5.4	6.2	5.7	7.1	5.9

pH in soil (1:5) [AN101] Tested: 18/9/2019 (continued)

PARAMETER	UOM	LOR	TP118 SOIL 0.7-0.8 11/9/2019 SE197697.036	TP119 SOIL 0.5-0.6 11/9/2019 SE197697.037	TP119 SOIL 0.9-1.0 11/9/2019 SE197697.038	TP120 SOIL 0.2-0.3 11/9/2019 SE197697.039	TP120 SOIL 0.7-0.8 11/9/2019 SE197697.040
pH	pH Units	0.1	5.7	6.6	5.3	5.4	5.5

PARAMETER	UOM	LOR	TP121 SOIL 0.2-0.3 11/9/2019 SE197697.041	TP121 SOIL 0.5-0.6 11/9/2019 SE197697.042	TP122 SOIL 0.4-0.5 11/9/2019 SE197697.043	TP122 SOIL 0.9-1.0 11/9/2019 SE197697.044	TP123 SOIL 0.2-0.3 11/9/2019 SE197697.045
pH	pH Units	0.1	7.9	5.3	5.7	5.7	6.9

PARAMETER	UOM	LOR	TP123 SOIL 0.6-0.7 11/9/2019 SE197697.046	TP124 SOIL 0.5-0.6 11/9/2019 SE197697.047	TP124 SOIL 0.9-1.0 11/9/2019 SE197697.048	TP125 SOIL 0.2-0.3 11/9/2019 SE197697.049	TP125 SOIL 0.6-0.7 11/9/2019 SE197697.050
pH	pH Units	0.1	5.5	7.3	5.0	5.4	4.8

PARAMETER	UOM	LOR	TP126 SOIL 0.4-0.5 11/9/2019 SE197697.051	TP126 SOIL 0.9-1.0 11/9/2019 SE197697.052	TP127 SOIL 0.2-0.3 11/9/2019 SE197697.053	TP127 SOIL 0.5-0.6 11/9/2019 SE197697.054	TP128 SOIL 0.2-0.3 11/9/2019 SE197697.055
pH	pH Units	0.1	6.9	5.4	6.9	6.2	6.9

PARAMETER	UOM	LOR	TP128 SOIL 0.5-0.6 11/9/2019 SE197697.056	TP129 SOIL 0.4-0.5 11/9/2019 SE197697.057	TP129 SOIL 0.7-0.8 11/9/2019 SE197697.058	TP130 SOIL 0.2-0.3 11/9/2019 SE197697.059	TP130 SOIL 0.6-0.7 11/9/2019 SE197697.060
pH	pH Units	0.1	5.5	7.3	5.2	5.4	4.5

PARAMETER	UOM	LOR	TP131 SOIL 0.2-0.3 11/9/2019 SE197697.061	TP131 SOIL 0.5-0.6 11/9/2019 SE197697.062	TP132 SOIL 0.5-0.6 11/9/2019 SE197697.063	TP132 SOIL 0.9-1.0 11/9/2019 SE197697.064	TP133 SOIL 0.3-0.4 11/9/2019 SE197697.065
pH	pH Units	0.1	8.3	5.0	7.4	7.0	5.4

PARAMETER	UOM	LOR	TP133 SOIL 0.8-0.9 11/9/2019 SE197697.066	TP134 SOIL 0.2-0.3 11/9/2019 SE197697.067	TP134 SOIL 0.6-0.7 11/9/2019 SE197697.068	TP135 SOIL 0.2-0.3 11/9/2019 SE197697.069	TP135 SOIL 0.6-0.7 11/9/2019 SE197697.070
pH	pH Units	0.1	6.2	5.5	5.4	5.3	5.7

pH in soil (1:5) [AN101] Tested: 18/9/2019 (continued)

PARAMETER	UOM	LOR	TP136 SOIL 0.3-0.4 11/9/2019 SE197697.071	TP136 SOIL 0.7-0.8 11/9/2019 SE197697.072	TP137 SOIL 0.5-0.6 11/9/2019 SE197697.073	TP137 SOIL 0.9-1.0 11/9/2019 SE197697.074	TP138 SOIL 0.2-0.3 11/9/2019 SE197697.075
pH	pH Units	0.1	5.9	5.7	5.4	5.7	5.3

PARAMETER	UOM	LOR	TP138 SOIL 0.5-0.6 11/9/2019 SE197697.076	TP139 SOIL 0.2-0.3 11/9/2019 SE197697.077	TP139 SOIL 0.5-0.6 11/9/2019 SE197697.078	TP140 SOIL 0.5-0.6 11/9/2019 SE197697.079	TP140 SOIL 0.8-0.9 11/9/2019 SE197697.080
pH	pH Units	0.1	5.8	5.3	5.9	5.7	5.6

PARAMETER	UOM	LOR	TP141 SOIL 0.2-0.3 11/9/2019 SE197697.081	TP141 SOIL 0.6-0.7 11/9/2019 SE197697.082	TP142 SOIL 0.2-0.3 11/9/2019 SE197697.083	TP142 SOIL 0.6-0.7 11/9/2019 SE197697.084	TP143 SOIL 0.4-0.5 11/9/2019 SE197697.085
pH	pH Units	0.1	6.0	6.0	6.1	5.9	5.7

PARAMETER	UOM	LOR	TP143 SOIL 0.7-0.8 11/9/2019 SE197697.086	TP144 SOIL 0.5-0.6 11/9/2019 SE197697.087	TP144 SOIL 0.8-0.9 11/9/2019 SE197697.088	TP145 SOIL 0.2-0.3 11/9/2019 SE197697.089	TP145 SOIL 0.6-0.7 11/9/2019 SE197697.090
pH	pH Units	0.1	5.6	5.5	5.8	5.8	5.0

PARAMETER	UOM	LOR	TP146 SOIL 0.4-0.5 11/9/2019 SE197697.091	TP146 SOIL 0.7-0.8 11/9/2019 SE197697.092	TP147 SOIL 0.2-0.3 11/9/2019 SE197697.093	TP147 SOIL 0.5-0.6 11/9/2019 SE197697.094	TP148 SOIL 0.4-0.5 11/9/2019 SE197697.095
pH	pH Units	0.1	5.5	5.8	5.8	5.9	5.6

PARAMETER	UOM	LOR	TP148 SOIL 0.7-0.8 11/9/2019 SE197697.096	TP149 SOIL 0.2-0.3 11/9/2019 SE197697.097	TP149 SOIL 0.5-0.6 11/9/2019 SE197697.098	TP150 SOIL 0.4-0.5 11/9/2019 SE197697.099	TP150 SOIL 0.8-0.9 11/9/2019 SE197697.100
pH	pH Units	0.1	5.7	5.6	5.7	6.0	6.8

PARAMETER	UOM	LOR	TP151 SOIL 0.2-0.3 12/9/2019 SE197697.101	TP151 SOIL 0.6-0.7 12/9/2019 SE197697.102	TP152 SOIL 0.5-0.6 12/9/2019 SE197697.103	TP152 SOIL 0.9-1.0 12/9/2019 SE197697.104	TP153 SOIL 0.2-0.3 12/9/2019 SE197697.105
pH	pH Units	0.1	5.1	5.6	5.2	5.6	5.8

pH in soil (1:5) [AN101] Tested: 18/9/2019 (continued)

PARAMETER	UOM	LOR	TP153 SOIL 0.6-0.7 12/9/2019 SE197697.106	TP154 SOIL 0.5-06 12/9/2019 SE197697.107	TP154 SOIL 0.9-1.0 12/9/2019 SE197697.108	TP155 SOIL 0.4-0.5 12/9/2019 SE197697.109	TP155 SOIL 0.7-0.8 12/9/2019 SE197697.110
pH	pH Units	0.1	6.3	5.4	5.3	5.4	5.1

PARAMETER	UOM	LOR	TP156 SOIL 0.2-0.3 12/9/2019 SE197697.111	TP156 SOIL 0.7-0.8 12/9/2019 SE197697.112	TP157 SOIL 0.5-0.6 12/9/2019 SE197697.113	TP157 SOIL 0.9-1.0 12/9/2019 SE197697.114	TP158 SOIL 0.2-0.3 12/9/2019 SE197697.115
pH	pH Units	0.1	5.8	7.0	5.4	6.7	5.7

PARAMETER	UOM	LOR	TP158 SOIL 0.5-0.6 12/9/2019 SE197697.116	TP159 SOIL 0.2-0.3 12/9/2019 SE197697.117	TP159 SOIL 0.5-0.6 12/9/2019 SE197697.118	TP160 SOIL 0.2-0.3 12/9/2019 SE197697.119	TP160 SOIL 0.5-0.6 12/9/2019 SE197697.120
pH	pH Units	0.1	5.6	7.7	5.8	5.9	6.4

PARAMETER	UOM	LOR	TP161 SOIL 0.4-0.5 12/9/2019 SE197697.121	TP161 SOIL 0.7-0.8 12/9/2019 SE197697.122	TP162 SOIL 0.5-0.6 12/9/2019 SE197697.123	TP162 SOIL 0.9-1.0 12/9/2019 SE197697.124	TP163 SOIL 0.2-0.3 12/9/2019 SE197697.125
pH	pH Units	0.1	8.6	5.7	5.7	5.5	8.0

PARAMETER	UOM	LOR	TP163 SOIL 0.6-0.7 12/9/2019 SE197697.126	TP164 SOIL 0.3-0.4 12/9/2019 SE197697.127	TP164 SOIL 0.6-0.7 12/9/2019 SE197697.128	TP165 SOIL 0.2-0.3 12/9/2019 SE197697.129	TP165 SOIL 0.5-0.6 12/9/2019 SE197697.130
pH	pH Units	0.1	5.3	5.9	5.2	5.5	5.2

PARAMETER	UOM	LOR	TP166 SOIL 0.4-0.5 12/9/2019 SE197697.131	TP166 SOIL 0.8-0.9 12/9/2019 SE197697.132	TP167 SOIL 0.2-0.3 12/9/2019 SE197697.133	TP167 SOIL 0.6-0.7 12/9/2019 SE197697.134	TP168 SOIL 0.5-0.6 12/9/2019 SE197697.135
pH	pH Units	0.1	6.2	6.1	5.8	6.1	6.9

PARAMETER	UOM	LOR	TP168 SOIL 0.8-0.9 12/9/2019 SE197697.136	TP169 SOIL 0.3-0.4 12/9/2019 SE197697.137	TP169 SOIL 0.6-0.7 12/9/2019 SE197697.138	TP170 SOIL 0.4-0.5 12/9/2019 SE197697.139	TP170 SOIL 0.9-1.0 12/9/2019 SE197697.140
pH	pH Units	0.1	5.8	7.3	5.8	7.3	5.6

pH in soil (1:5) [AN101] Tested: 18/9/2019 (continued)

PARAMETER	UOM	LOR	TP171 SOIL 0.2-0.3 12/9/2019 SE197697.141	TP171 SOIL 0.5-0.6 12/9/2019 SE197697.142	TP172 SOIL 0.3-0.4 12/9/2019 SE197697.143	TP172 SOIL 0.9-1.0 12/9/2019 SE197697.144	TP173 SOIL 0.2-0.3 12/9/2019 SE197697.145
pH	pH Units	0.1	6.0	5.1	5.8	5.4	5.6

PARAMETER	UOM	LOR	TP173 SOIL 0.5-0.6 12/9/2019 SE197697.146	TP174 SOIL 0.4-0.5 12/9/2019 SE197697.147	TP174 SOIL 1.0-1.1 12/9/2019 SE197697.148	TP175 SOIL 0.3-0.4 12/9/2019 SE197697.149	TP175 SOIL 0.6-0.7 12/9/2019 SE197697.150
pH	pH Units	0.1	4.9	5.8	5.5	5.0	4.8

PARAMETER	UOM	LOR	TP176 SOIL 0.2-0.3 12/9/2019 SE197697.151	TP176 SOIL 0.7-0.8 12/9/2019 SE197697.152	TP177 SOIL 0.4-0.5 12/9/2019 SE197697.153	TP177 SOIL 0.9-1.0 12/9/2019 SE197697.154	TP178 SOIL 0.2-0.3 12/9/2019 SE197697.155
pH	pH Units	0.1	4.9	5.2	6.0	5.0	5.8

PARAMETER	UOM	LOR	TP178 SOIL 0.6-0.7 12/9/2019 SE197697.156	TP179 SOIL 0.3-0.4 12/9/2019 SE197697.157	TP179 SOIL 0.8-0.9 12/9/2019 SE197697.158	TP180 SOIL 0.4-0.5 12/9/2019 SE197697.159	TP180 SOIL 0.9-1.0 12/9/2019 SE197697.160
pH	pH Units	0.1	5.1	5.8	5.2	6.1	5.7

PARAMETER	UOM	LOR	TP181 SOIL 0.3-0.4 12/9/2019 SE197697.161	TP181 SOIL 0.8-0.9 12/9/2019 SE197697.162	TP182 SOIL 0.2-0.3 12/9/2019 SE197697.163	TP182 SOIL 0.5-0.6 12/9/2019 SE197697.164	TP183 SOIL 0.3-0.4 12/9/2019 SE197697.165
pH	pH Units	0.1	5.8	5.1	6.9	4.8	5.9

PARAMETER	UOM	LOR	TP183 SOIL 0.8-0.9 12/9/2019 SE197697.166	TP184 SOIL 0.3-0.4 12/9/2019 SE197697.167	TP184 SOIL 0.7-0.8 12/9/2019 SE197697.168	TP185 SOIL 0.2-0.3 12/9/2019 SE197697.169	TP185 SOIL 0.5-0.6 12/9/2019 SE197697.170
pH	pH Units	0.1	5.0	5.7	5.1	6.1	6.2

PARAMETER	UOM	LOR	TP186 SOIL 0.4-0.5 12/9/2019 SE197697.171	TP186 SOIL 0.9-1.0 12/9/2019 SE197697.172	TP187 SOIL 0.3-0.4 12/9/2019 SE197697.173	TP187 SOIL 0.7-0.8 12/9/2019 SE197697.174	TP188 SOIL 0.2-0.3 12/9/2019 SE197697.175
pH	pH Units	0.1	5.7	6.7	5.8	6.3	6.3

pH in soil (1:5) [AN101] Tested: 18/9/2019 (continued)

PARAMETER	UOM	LOR	TP188 SOIL 0.5-0.6 12/9/2019 SE197697.176	TP189 SOIL 0.4-0.5 12/9/2019 SE197697.177	TP189 SOIL 0.8-0.9 12/9/2019 SE197697.178	TP190 SOIL 0.3-0.4 12/9/2019 SE197697.179	TP190 SOIL 0.7-0.8 12/9/2019 SE197697.180
pH	pH Units	0.1	5.2	6.6	5.5	5.6	5.9

PARAMETER	UOM	LOR	TP191 SOIL 0.2-0.3 12/9/2019 SE197697.181	TP191 SOIL 0.5-0.6 12/9/2019 SE197697.182	TP192 SOIL 0.3-0.4 12/9/2019 SE197697.183	TP192 SOIL 0.8-0.9 12/9/2019 SE197697.184	TP193 SOIL 0.2-0.3 12/9/2019 SE197697.185
pH	pH Units	0.1	8.4	5.4	6.9	5.5	6.9

PARAMETER	UOM	LOR	TP193 SOIL 0.5-0.6 12/9/2019 SE197697.186	TP194 SOIL 0.4-0.5 12/9/2019 SE197697.187	TP194 SOIL 0.9-1.0 12/9/2019 SE197697.188	TP195 SOIL 0.2-0.3 12/9/2019 SE197697.189	TP195 SOIL 0.7-0.8 12/9/2019 SE197697.190
pH	pH Units	0.1	5.5	5.4	5.7	5.6	5.9

Conductivity and TDS by Calculation - Soil [AN106] Tested: 18/9/2019

PARAMETER	UOM	LOR	TP101 SOIL 0.2-0.3 11/9/2019 SE197697.001	TP101 SOIL 0.8-0.9 11/9/2019 SE197697.002	TP102 SOIL 0.3-0.4 11/9/2019 SE197697.003	TP102 SOIL 0.6-0.7 11/9/2019 SE197697.004	TP103 SOIL 0.2-0.3 11/9/2019 SE197697.005
Conductivity of Extract (1:5 as received)	µS/cm	1	180	190	320	450	220
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	200	210	350	550	230

PARAMETER	UOM	LOR	TP103 SOIL 0.9-1.0 11/9/2019 SE197697.006	TP104 SOIL 0.5-0.6 11/9/2019 SE197697.007	TP104 SOIL 0.9-1.0 11/9/2019 SE197697.008	TP105 SOIL 0.2-0.3 11/9/2019 SE197697.009	TP105 SOIL 0.5-0.6 11/9/2019 SE197697.010
Conductivity of Extract (1:5 as received)	µS/cm	1	220	250	260	260	280
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	260	300	330	270	330

PARAMETER	UOM	LOR	TP106 SOIL 0.4-0.5 11/9/2019 SE197697.011	TP106 SOIL 0.8-0.9 11/9/2019 SE197697.012	TP107 SOIL 0.2-0.3 11/9/2019 SE197697.013	TP107 SOIL 0.7-0.8 11/9/2019 SE197697.014	TP108 SOIL 0.2-0.3 11/9/2019 SE197697.015
Conductivity of Extract (1:5 as received)	µS/cm	1	190	370	290	320	330
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	200	460	320	400	380

PARAMETER	UOM	LOR	TP108 SOIL 0.5-0.6 11/9/2019 SE197697.016	TP109 SOIL 0.2-0.3 11/9/2019 SE197697.017	TP109 SOIL 0.8-0.9 11/9/2019 SE197697.018	TP110 SOIL 0.2-0.3 11/9/2019 SE197697.019	TP110 SOIL 0.9-1.0 11/9/2019 SE197697.020
Conductivity of Extract (1:5 as received)	µS/cm	1	580	340	350	140	230
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	690	380	420	140	280

PARAMETER	UOM	LOR	TP111 SOIL 0.4-0.5 11/9/2019 SE197697.021	TP111 SOIL 0.9-1.0 11/9/2019 SE197697.022	TP112 SOIL 0.2-0.3 11/9/2019 SE197697.023	TP112 SOIL 0.6-0.7 11/9/2019 SE197697.024	TP113 SOIL 0.2-0.3 11/9/2019 SE197697.025
Conductivity of Extract (1:5 as received)	µS/cm	1	160	480	130	590	200
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	170	580	140	720	220

PARAMETER	UOM	LOR	TP113 SOIL 0.5-0.6 11/9/2019 SE197697.026	TP114 SOIL 0.2-0.3 11/9/2019 SE197697.027	TP114 SOIL 0.7-0.8 11/9/2019 SE197697.028	TP115 SOIL 0.2-0.3 11/9/2019 SE197697.029	TP115 SOIL 0.5-0.6 11/9/2019 SE197697.030
Conductivity of Extract (1:5 as received)	µS/cm	1	310	300	350	300	630
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	370	330	400	320	770

PARAMETER	UOM	LOR	TP116 SOIL 0.4-0.5 11/9/2019 SE197697.031	TP116 SOIL 0.9-1.0 11/9/2019 SE197697.032	TP117 SOIL 0.2-0.3 11/9/2019 SE197697.033	TP117 SOIL 0.5-0.6 11/9/2019 SE197697.034	TP118 SOIL 0.2-0.3 11/9/2019 SE197697.035
Conductivity of Extract (1:5 as received)	µS/cm	1	410	130	340	300	120
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	440	170	370	360	130

Conductivity and TDS by Calculation - Soil [AN106] Tested: 18/9/2019 (continued)

PARAMETER	UOM	LOR	TP118 SOIL 0.7-0.8 11/9/2019 SE197697.036	TP119 SOIL 0.5-0.6 11/9/2019 SE197697.037	TP119 SOIL 0.9-1.0 11/9/2019 SE197697.038	TP120 SOIL 0.2-0.3 11/9/2019 SE197697.039	TP120 SOIL 0.7-0.8 11/9/2019 SE197697.040
Conductivity of Extract (1:5 as received)	µS/cm	1	250	200	230	250	580
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	300	220	270	290	680

PARAMETER	UOM	LOR	TP121 SOIL 0.2-0.3 11/9/2019 SE197697.041	TP121 SOIL 0.5-0.6 11/9/2019 SE197697.042	TP122 SOIL 0.4-0.5 11/9/2019 SE197697.043	TP122 SOIL 0.9-1.0 11/9/2019 SE197697.044	TP123 SOIL 0.2-0.3 11/9/2019 SE197697.045
Conductivity of Extract (1:5 as received)	µS/cm	1	320	450	270	350	310
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	350	550	290	430	350

PARAMETER	UOM	LOR	TP123 SOIL 0.6-0.7 11/9/2019 SE197697.046	TP124 SOIL 0.5-0.6 11/9/2019 SE197697.047	TP124 SOIL 0.9-1.0 11/9/2019 SE197697.048	TP125 SOIL 0.2-0.3 11/9/2019 SE197697.049	TP125 SOIL 0.6-0.7 11/9/2019 SE197697.050
Conductivity of Extract (1:5 as received)	µS/cm	1	300	330	310	280	310
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	360	350	370	330	380

PARAMETER	UOM	LOR	TP126 SOIL 0.4-0.5 11/9/2019 SE197697.051	TP126 SOIL 0.9-1.0 11/9/2019 SE197697.052	TP127 SOIL 0.2-0.3 11/9/2019 SE197697.053	TP127 SOIL 0.5-0.6 11/9/2019 SE197697.054	TP128 SOIL 0.2-0.3 11/9/2019 SE197697.055
Conductivity of Extract (1:5 as received)	µS/cm	1	490	380	380	360	450
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	590	460	430	440	510

PARAMETER	UOM	LOR	TP128 SOIL 0.5-0.6 11/9/2019 SE197697.056	TP129 SOIL 0.4-0.5 11/9/2019 SE197697.057	TP129 SOIL 0.7-0.8 11/9/2019 SE197697.058	TP130 SOIL 0.2-0.3 11/9/2019 SE197697.059	TP130 SOIL 0.6-0.7 11/9/2019 SE197697.060
Conductivity of Extract (1:5 as received)	µS/cm	1	340	<1	370	460	320
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	420	<1	460	530	400

PARAMETER	UOM	LOR	TP131 SOIL 0.2-0.3 11/9/2019 SE197697.061	TP131 SOIL 0.5-0.6 11/9/2019 SE197697.062	TP132 SOIL 0.5-0.6 11/9/2019 SE197697.063	TP132 SOIL 0.9-1.0 11/9/2019 SE197697.064	TP133 SOIL 0.3-0.4 11/9/2019 SE197697.065
Conductivity of Extract (1:5 as received)	µS/cm	1	260	360	210	310	150
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	270	440	220	360	160

PARAMETER	UOM	LOR	TP133 SOIL 0.8-0.9 11/9/2019 SE197697.066	TP134 SOIL 0.2-0.3 11/9/2019 SE197697.067	TP134 SOIL 0.6-0.7 11/9/2019 SE197697.068	TP135 SOIL 0.2-0.3 11/9/2019 SE197697.069	TP135 SOIL 0.6-0.7 11/9/2019 SE197697.070
Conductivity of Extract (1:5 as received)	µS/cm	1	230	400	350	310	240
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	270	430	440	330	280

Conductivity and TDS by Calculation - Soil [AN106] Tested: 18/9/2019 (continued)

PARAMETER	UOM	LOR	TP136 SOIL 0.3-0.4 11/9/2019 SE197697.071	TP136 SOIL 0.7-0.8 11/9/2019 SE197697.072	TP137 SOIL 0.5-0.6 11/9/2019 SE197697.073	TP137 SOIL 0.9-1.0 11/9/2019 SE197697.074	TP138 SOIL 0.2-0.3 11/9/2019 SE197697.075
Conductivity of Extract (1:5 as received)	µS/cm	1	230	290	220	230	250
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	290	350	250	280	270

PARAMETER	UOM	LOR	TP138 SOIL 0.5-0.6 11/9/2019 SE197697.076	TP139 SOIL 0.2-0.3 11/9/2019 SE197697.077	TP139 SOIL 0.5-0.6 11/9/2019 SE197697.078	TP140 SOIL 0.5-0.6 11/9/2019 SE197697.079	TP140 SOIL 0.8-0.9 11/9/2019 SE197697.080
Conductivity of Extract (1:5 as received)	µS/cm	1	210	260	210	230	340
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	250	290	260	260	390

PARAMETER	UOM	LOR	TP141 SOIL 0.2-0.3 11/9/2019 SE197697.081	TP141 SOIL 0.6-0.7 11/9/2019 SE197697.082	TP142 SOIL 0.2-0.3 11/9/2019 SE197697.083	TP142 SOIL 0.6-0.7 11/9/2019 SE197697.084	TP143 SOIL 0.4-0.5 11/9/2019 SE197697.085
Conductivity of Extract (1:5 as received)	µS/cm	1	120	180	82	200	270
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	130	210	87	230	320

PARAMETER	UOM	LOR	TP143 SOIL 0.7-0.8 11/9/2019 SE197697.086	TP144 SOIL 0.5-0.6 11/9/2019 SE197697.087	TP144 SOIL 0.8-0.9 11/9/2019 SE197697.088	TP145 SOIL 0.2-0.3 11/9/2019 SE197697.089	TP145 SOIL 0.6-0.7 11/9/2019 SE197697.090
Conductivity of Extract (1:5 as received)	µS/cm	1	320	330	330	140	310
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	400	380	410	150	370

PARAMETER	UOM	LOR	TP146 SOIL 0.4-0.5 11/9/2019 SE197697.091	TP146 SOIL 0.7-0.8 11/9/2019 SE197697.092	TP147 SOIL 0.2-0.3 11/9/2019 SE197697.093	TP147 SOIL 0.5-0.6 11/9/2019 SE197697.094	TP148 SOIL 0.4-0.5 11/9/2019 SE197697.095
Conductivity of Extract (1:5 as received)	µS/cm	1	350	400	250	240	300
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	380	500	270	300	330

PARAMETER	UOM	LOR	TP148 SOIL 0.7-0.8 11/9/2019 SE197697.096	TP149 SOIL 0.2-0.3 11/9/2019 SE197697.097	TP149 SOIL 0.5-0.6 11/9/2019 SE197697.098	TP150 SOIL 0.4-0.5 11/9/2019 SE197697.099	TP150 SOIL 0.8-0.9 11/9/2019 SE197697.100
Conductivity of Extract (1:5 as received)	µS/cm	1	470	100	480	85	150
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	540	110	580	93	170

PARAMETER	UOM	LOR	TP151 SOIL 0.2-0.3 12/9/2019 SE197697.101	TP151 SOIL 0.6-0.7 12/9/2019 SE197697.102	TP152 SOIL 0.5-0.6 12/9/2019 SE197697.103	TP152 SOIL 0.9-1.0 12/9/2019 SE197697.104	TP153 SOIL 0.2-0.3 12/9/2019 SE197697.105
Conductivity of Extract (1:5 as received)	µS/cm	1	230	190	79	110	98
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	250	220	87	120	100

Conductivity and TDS by Calculation - Soil [AN106] Tested: 18/9/2019 (continued)

PARAMETER	UOM	LOR	TP153 SOIL 0.6-0.7 12/9/2019 SE197697.106	TP154 SOIL 0.5-06 12/9/2019 SE197697.107	TP154 SOIL 0.9-1.0 12/9/2019 SE197697.108	TP155 SOIL 0.4-0.5 12/9/2019 SE197697.109	TP155 SOIL 0.7-0.8 12/9/2019 SE197697.110
Conductivity of Extract (1:5 as received)	µS/cm	1	63	210	210	140	130
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	69	240	250	150	160

PARAMETER	UOM	LOR	TP156 SOIL 0.2-0.3 12/9/2019 SE197697.111	TP156 SOIL 0.7-0.8 12/9/2019 SE197697.112	TP157 SOIL 0.5-0.6 12/9/2019 SE197697.113	TP157 SOIL 0.9-1.0 12/9/2019 SE197697.114	TP158 SOIL 0.2-0.3 12/9/2019 SE197697.115
Conductivity of Extract (1:5 as received)	µS/cm	1	130	89	190	190	200
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	140	98	200	220	210

PARAMETER	UOM	LOR	TP158 SOIL 0.5-0.6 12/9/2019 SE197697.116	TP159 SOIL 0.2-0.3 12/9/2019 SE197697.117	TP159 SOIL 0.5-0.6 12/9/2019 SE197697.118	TP160 SOIL 0.2-0.3 12/9/2019 SE197697.119	TP160 SOIL 0.5-0.6 12/9/2019 SE197697.120
Conductivity of Extract (1:5 as received)	µS/cm	1	420	430	250	190	110
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	480	480	310	210	120

PARAMETER	UOM	LOR	TP161 SOIL 0.4-0.5 12/9/2019 SE197697.121	TP161 SOIL 0.7-0.8 12/9/2019 SE197697.122	TP162 SOIL 0.5-0.6 12/9/2019 SE197697.123	TP162 SOIL 0.9-1.0 12/9/2019 SE197697.124	TP163 SOIL 0.2-0.3 12/9/2019 SE197697.125
Conductivity of Extract (1:5 as received)	µS/cm	1	180	320	180	280	210
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	190	370	200	310	220

PARAMETER	UOM	LOR	TP163 SOIL 0.6-0.7 12/9/2019 SE197697.126	TP164 SOIL 0.3-0.4 12/9/2019 SE197697.127	TP164 SOIL 0.6-0.7 12/9/2019 SE197697.128	TP165 SOIL 0.2-0.3 12/9/2019 SE197697.129	TP165 SOIL 0.5-0.6 12/9/2019 SE197697.130
Conductivity of Extract (1:5 as received)	µS/cm	1	300	100	330	300	260
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	340	110	370	340	290

PARAMETER	UOM	LOR	TP166 SOIL 0.4-0.5 12/9/2019 SE197697.131	TP166 SOIL 0.8-0.9 12/9/2019 SE197697.132	TP167 SOIL 0.2-0.3 12/9/2019 SE197697.133	TP167 SOIL 0.6-0.7 12/9/2019 SE197697.134	TP168 SOIL 0.5-0.6 12/9/2019 SE197697.135
Conductivity of Extract (1:5 as received)	µS/cm	1	140	80	170	78	140
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	150	84	190	86	150

PARAMETER	UOM	LOR	TP168 SOIL 0.8-0.9 12/9/2019 SE197697.136	TP169 SOIL 0.3-0.4 12/9/2019 SE197697.137	TP169 SOIL 0.6-0.7 12/9/2019 SE197697.138	TP170 SOIL 0.4-0.5 12/9/2019 SE197697.139	TP170 SOIL 0.9-1.0 12/9/2019 SE197697.140
Conductivity of Extract (1:5 as received)	µS/cm	1	130	240	200	300	140
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	150	260	220	320	160

Conductivity and TDS by Calculation - Soil [AN106] Tested: 18/9/2019 (continued)

PARAMETER	UOM	LOR	TP171 SOIL 0.2-0.3 12/9/2019 SE197697.141	TP171 SOIL 0.5-0.6 12/9/2019 SE197697.142	TP172 SOIL 0.3-0.4 12/9/2019 SE197697.143	TP172 SOIL 0.9-1.0 12/9/2019 SE197697.144	TP173 SOIL 0.2-0.3 12/9/2019 SE197697.145
Conductivity of Extract (1:5 as received)	µS/cm	1	420	320	240	350	480
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	460	380	270	420	560

PARAMETER	UOM	LOR	TP173 SOIL 0.5-0.6 12/9/2019 SE197697.146	TP174 SOIL 0.4-0.5 12/9/2019 SE197697.147	TP174 SOIL 1.0-1.1 12/9/2019 SE197697.148	TP175 SOIL 0.3-0.4 12/9/2019 SE197697.149	TP175 SOIL 0.6-0.7 12/9/2019 SE197697.150
Conductivity of Extract (1:5 as received)	µS/cm	1	530	230	190	320	430
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	640	250	220	380	510

PARAMETER	UOM	LOR	TP176 SOIL 0.2-0.3 12/9/2019 SE197697.151	TP176 SOIL 0.7-0.8 12/9/2019 SE197697.152	TP177 SOIL 0.4-0.5 12/9/2019 SE197697.153	TP177 SOIL 0.9-1.0 12/9/2019 SE197697.154	TP178 SOIL 0.2-0.3 12/9/2019 SE197697.155
Conductivity of Extract (1:5 as received)	µS/cm	1	450	310	220	500	130
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	520	370	240	600	150

PARAMETER	UOM	LOR	TP178 SOIL 0.6-0.7 12/9/2019 SE197697.156	TP179 SOIL 0.3-0.4 12/9/2019 SE197697.157	TP179 SOIL 0.8-0.9 12/9/2019 SE197697.158	TP180 SOIL 0.4-0.5 12/9/2019 SE197697.159	TP180 SOIL 0.9-1.0 12/9/2019 SE197697.160
Conductivity of Extract (1:5 as received)	µS/cm	1	320	320	300	340	250
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	380	360	350	390	280

PARAMETER	UOM	LOR	TP181 SOIL 0.3-0.4 12/9/2019 SE197697.161	TP181 SOIL 0.8-0.9 12/9/2019 SE197697.162	TP182 SOIL 0.2-0.3 12/9/2019 SE197697.163	TP182 SOIL 0.5-0.6 12/9/2019 SE197697.164	TP183 SOIL 0.3-0.4 12/9/2019 SE197697.165
Conductivity of Extract (1:5 as received)	µS/cm	1	310	310	520	380	380
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	330	360	580	430	400

PARAMETER	UOM	LOR	TP183 SOIL 0.8-0.9 12/9/2019 SE197697.166	TP184 SOIL 0.3-0.4 12/9/2019 SE197697.167	TP184 SOIL 0.7-0.8 12/9/2019 SE197697.168	TP185 SOIL 0.2-0.3 12/9/2019 SE197697.169	TP185 SOIL 0.5-0.6 12/9/2019 SE197697.170
Conductivity of Extract (1:5 as received)	µS/cm	1	500	200	340	250	190
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	570	220	400	280	210

PARAMETER	UOM	LOR	TP186 SOIL 0.4-0.5 12/9/2019 SE197697.171	TP186 SOIL 0.9-1.0 12/9/2019 SE197697.172	TP187 SOIL 0.3-0.4 12/9/2019 SE197697.173	TP187 SOIL 0.7-0.8 12/9/2019 SE197697.174	TP188 SOIL 0.2-0.3 12/9/2019 SE197697.175
Conductivity of Extract (1:5 as received)	µS/cm	1	300	340	320	190	300
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	340	400	340	210	330

Conductivity and TDS by Calculation - Soil [AN106] Tested: 18/9/2019 (continued)

PARAMETER	UOM	LOR	TP188 SOIL 0.5-0.6 12/9/2019 SE197697.176	TP189 SOIL 0.4-0.5 12/9/2019 SE197697.177	TP189 SOIL 0.8-0.9 12/9/2019 SE197697.178	TP190 SOIL 0.3-0.4 12/9/2019 SE197697.179	TP190 SOIL 0.7-0.8 12/9/2019 SE197697.180
Conductivity of Extract (1:5 as received)	µS/cm	1	220	140	210	400	200
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	250	160	230	450	220

PARAMETER	UOM	LOR	TP191 SOIL 0.2-0.3 12/9/2019 SE197697.181	TP191 SOIL 0.5-0.6 12/9/2019 SE197697.182	TP192 SOIL 0.3-0.4 12/9/2019 SE197697.183	TP192 SOIL 0.8-0.9 12/9/2019 SE197697.184	TP193 SOIL 0.2-0.3 12/9/2019 SE197697.185
Conductivity of Extract (1:5 as received)	µS/cm	1	320	320	560	410	200
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	330	380	590	440	210

PARAMETER	UOM	LOR	TP193 SOIL 0.5-0.6 12/9/2019 SE197697.186	TP194 SOIL 0.4-0.5 12/9/2019 SE197697.187	TP194 SOIL 0.9-1.0 12/9/2019 SE197697.188	TP195 SOIL 0.2-0.3 12/9/2019 SE197697.189	TP195 SOIL 0.7-0.8 12/9/2019 SE197697.190
Conductivity of Extract (1:5 as received)	µS/cm	1	450	350	260	240	450
Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	500	400	290	260	520

Moisture Content [AN002] Tested: 17/9/2019

PARAMETER	UOM	LOR	TP101 SOIL 0.2-0.3 11/9/2019 SE197697.001	TP101 SOIL 0.8-0.9 11/9/2019 SE197697.002	TP102 SOIL 0.3-0.4 11/9/2019 SE197697.003	TP102 SOIL 0.6-0.7 11/9/2019 SE197697.004	TP103 SOIL 0.2-0.3 11/9/2019 SE197697.005
% Moisture	%w/w	1	8.0	12.5	7.3	18.9	5.4

PARAMETER	UOM	LOR	TP103 SOIL 0.9-1.0 11/9/2019 SE197697.006	TP104 SOIL 0.5-0.6 11/9/2019 SE197697.007	TP104 SOIL 0.9-1.0 11/9/2019 SE197697.008	TP105 SOIL 0.2-0.3 11/9/2019 SE197697.009	TP105 SOIL 0.5-0.6 11/9/2019 SE197697.010
% Moisture	%w/w	1	14.3	18.7	20.6	4.4	14.4

PARAMETER	UOM	LOR	TP106 SOIL 0.4-0.5 11/9/2019 SE197697.011	TP106 SOIL 0.8-0.9 11/9/2019 SE197697.012	TP107 SOIL 0.2-0.3 11/9/2019 SE197697.013	TP107 SOIL 0.7-0.8 11/9/2019 SE197697.014	TP108 SOIL 0.2-0.3 11/9/2019 SE197697.015
% Moisture	%w/w	1	5.0	18.7	9.9	20.5	13.0

PARAMETER	UOM	LOR	TP108 SOIL 0.5-0.6 11/9/2019 SE197697.016	TP109 SOIL 0.2-0.3 11/9/2019 SE197697.017	TP109 SOIL 0.8-0.9 11/9/2019 SE197697.018	TP110 SOIL 0.2-0.3 11/9/2019 SE197697.019	TP110 SOIL 0.9-1.0 11/9/2019 SE197697.020
% Moisture	%w/w	1	16.1	10.1	17.5	4.5	18.4

PARAMETER	UOM	LOR	TP111 SOIL 0.4-0.5 11/9/2019 SE197697.021	TP111 SOIL 0.9-1.0 11/9/2019 SE197697.022	TP112 SOIL 0.2-0.3 11/9/2019 SE197697.023	TP112 SOIL 0.6-0.7 11/9/2019 SE197697.024	TP113 SOIL 0.2-0.3 11/9/2019 SE197697.025
% Moisture	%w/w	1	6.8	18.3	12.9	17.7	7.0

PARAMETER	UOM	LOR	TP113 SOIL 0.5-0.6 11/9/2019 SE197697.026	TP114 SOIL 0.2-0.3 11/9/2019 SE197697.027	TP114 SOIL 0.7-0.8 11/9/2019 SE197697.028	TP115 SOIL 0.2-0.3 11/9/2019 SE197697.029	TP115 SOIL 0.5-0.6 11/9/2019 SE197697.030
% Moisture	%w/w	1	16.5	7.8	14.2	7.1	18.3

PARAMETER	UOM	LOR	TP116 SOIL 0.4-0.5 11/9/2019 SE197697.031	TP116 SOIL 0.9-1.0 11/9/2019 SE197697.032	TP117 SOIL 0.2-0.3 11/9/2019 SE197697.033	TP117 SOIL 0.5-0.6 11/9/2019 SE197697.034	TP118 SOIL 0.2-0.3 11/9/2019 SE197697.035
% Moisture	%w/w	1	6.9	18.4	7.1	15.1	5.6

Moisture Content [AN002] Tested: 17/9/2019 (continued)

PARAMETER	UOM	LOR	TP118 SOIL 0.7-0.8 11/9/2019 SE197697.036	TP119 SOIL 0.5-0.6 11/9/2019 SE197697.037	TP119 SOIL 0.9-1.0 11/9/2019 SE197697.038	TP120 SOIL 0.2-0.3 11/9/2019 SE197697.039	TP120 SOIL 0.7-0.8 11/9/2019 SE197697.040
% Moisture	%w/w	1	16.2	8.6	15.7	15.1	14.7

PARAMETER	UOM	LOR	TP121 SOIL 0.2-0.3 11/9/2019 SE197697.041	TP121 SOIL 0.5-0.6 11/9/2019 SE197697.042	TP122 SOIL 0.4-0.5 11/9/2019 SE197697.043	TP122 SOIL 0.9-1.0 11/9/2019 SE197697.044	TP123 SOIL 0.2-0.3 11/9/2019 SE197697.045
% Moisture	%w/w	1	7.3	18.5	8.6	19.3	12.5

PARAMETER	UOM	LOR	TP123 SOIL 0.6-0.7 11/9/2019 SE197697.046	TP124 SOIL 0.5-0.6 11/9/2019 SE197697.047	TP124 SOIL 0.9-1.0 11/9/2019 SE197697.048	TP125 SOIL 0.2-0.3 11/9/2019 SE197697.049	TP125 SOIL 0.6-0.7 11/9/2019 SE197697.050
% Moisture	%w/w	1	16.2	6.5	17.9	15.3	17.5

PARAMETER	UOM	LOR	TP126 SOIL 0.4-0.5 11/9/2019 SE197697.051	TP126 SOIL 0.9-1.0 11/9/2019 SE197697.052	TP127 SOIL 0.2-0.3 11/9/2019 SE197697.053	TP127 SOIL 0.5-0.6 11/9/2019 SE197697.054	TP128 SOIL 0.2-0.3 11/9/2019 SE197697.055
% Moisture	%w/w	1	17.4	17.0	11.4	18.7	11.8

PARAMETER	UOM	LOR	TP128 SOIL 0.5-0.6 11/9/2019 SE197697.056	TP129 SOIL 0.4-0.5 11/9/2019 SE197697.057	TP129 SOIL 0.7-0.8 11/9/2019 SE197697.058	TP130 SOIL 0.2-0.3 11/9/2019 SE197697.059	TP130 SOIL 0.6-0.7 11/9/2019 SE197697.060
% Moisture	%w/w	1	19.9	11.9	19.9	13.6	20.9

PARAMETER	UOM	LOR	TP131 SOIL 0.2-0.3 11/9/2019 SE197697.061	TP131 SOIL 0.5-0.6 11/9/2019 SE197697.062	TP132 SOIL 0.5-0.6 11/9/2019 SE197697.063	TP132 SOIL 0.9-1.0 11/9/2019 SE197697.064	TP133 SOIL 0.3-0.4 11/9/2019 SE197697.065
% Moisture	%w/w	1	4.1	18.2	4.9	14.8	8.8

PARAMETER	UOM	LOR	TP133 SOIL 0.8-0.9 11/9/2019 SE197697.066	TP134 SOIL 0.2-0.3 11/9/2019 SE197697.067	TP134 SOIL 0.6-0.7 11/9/2019 SE197697.068	TP135 SOIL 0.2-0.3 11/9/2019 SE197697.069	TP135 SOIL 0.6-0.7 11/9/2019 SE197697.070
% Moisture	%w/w	1	14.3	7.0	19.8	7.6	14.9

Moisture Content [AN002] Tested: 17/9/2019 (continued)

PARAMETER	UOM	LOR	TP136 SOIL 0.3-0.4 11/9/2019 SE197697.071	TP136 SOIL 0.7-0.8 11/9/2019 SE197697.072	TP137 SOIL 0.5-0.6 11/9/2019 SE197697.073	TP137 SOIL 0.9-1.0 11/9/2019 SE197697.074	TP138 SOIL 0.2-0.3 11/9/2019 SE197697.075
% Moisture	%w/w	1	18.6	17.4	13.3	18.7	8.3

PARAMETER	UOM	LOR	TP138 SOIL 0.5-0.6 11/9/2019 SE197697.076	TP139 SOIL 0.2-0.3 11/9/2019 SE197697.077	TP139 SOIL 0.5-0.6 11/9/2019 SE197697.078	TP140 SOIL 0.5-0.6 11/9/2019 SE197697.079	TP140 SOIL 0.8-0.9 11/9/2019 SE197697.080
% Moisture	%w/w	1	16.6	9.3	18.0	12.2	14.5

PARAMETER	UOM	LOR	TP141 SOIL 0.2-0.3 11/9/2019 SE197697.081	TP141 SOIL 0.6-0.7 11/9/2019 SE197697.082	TP142 SOIL 0.2-0.3 11/9/2019 SE197697.083	TP142 SOIL 0.6-0.7 11/9/2019 SE197697.084	TP143 SOIL 0.4-0.5 11/9/2019 SE197697.085
% Moisture	%w/w	1	6.6	12.7	5.0	11.9	14.7

PARAMETER	UOM	LOR	TP143 SOIL 0.7-0.8 11/9/2019 SE197697.086	TP144 SOIL 0.5-0.6 11/9/2019 SE197697.087	TP144 SOIL 0.8-0.9 11/9/2019 SE197697.088	TP145 SOIL 0.2-0.3 11/9/2019 SE197697.089	TP145 SOIL 0.6-0.7 11/9/2019 SE197697.090
% Moisture	%w/w	1	19.9	12.9	20.7	6.5	15.0

PARAMETER	UOM	LOR	TP146 SOIL 0.4-0.5 11/9/2019 SE197697.091	TP146 SOIL 0.7-0.8 11/9/2019 SE197697.092	TP147 SOIL 0.2-0.3 11/9/2019 SE197697.093	TP147 SOIL 0.5-0.6 11/9/2019 SE197697.094	TP148 SOIL 0.4-0.5 11/9/2019 SE197697.095
% Moisture	%w/w	1	8.1	19.9	6.0	19.4	9.5

PARAMETER	UOM	LOR	TP148 SOIL 0.7-0.8 11/9/2019 SE197697.096	TP149 SOIL 0.2-0.3 11/9/2019 SE197697.097	TP149 SOIL 0.5-0.6 11/9/2019 SE197697.098	TP150 SOIL 0.4-0.5 11/9/2019 SE197697.099	TP150 SOIL 0.8-0.9 11/9/2019 SE197697.100
% Moisture	%w/w	1	12.1	6.5	17.8	8.2	16.5

PARAMETER	UOM	LOR	TP151 SOIL 0.2-0.3 12/9/2019 SE197697.101	TP151 SOIL 0.6-0.7 12/9/2019 SE197697.102	TP152 SOIL 0.5-0.6 12/9/2019 SE197697.103	TP152 SOIL 0.9-1.0 12/9/2019 SE197697.104	TP153 SOIL 0.2-0.3 12/9/2019 SE197697.105
% Moisture	%w/w	1	9.4	13.0	9.2	12.6	6.1

Moisture Content [AN002] Tested: 17/9/2019 (continued)

PARAMETER	UOM	LOR	TP153 SOIL 0.6-0.7 12/9/2019 SE197697.106	TP154 SOIL 0.5-06 12/9/2019 SE197697.107	TP154 SOIL 0.9-1.0 12/9/2019 SE197697.108	TP155 SOIL 0.4-0.5 12/9/2019 SE197697.109	TP155 SOIL 0.7-0.8 12/9/2019 SE197697.110
% Moisture	%w/w	1	9.0	10.4	17.2	8.4	16.8

PARAMETER	UOM	LOR	TP156 SOIL 0.2-0.3 12/9/2019 SE197697.111	TP156 SOIL 0.7-0.8 12/9/2019 SE197697.112	TP157 SOIL 0.5-0.6 12/9/2019 SE197697.113	TP157 SOIL 0.9-1.0 12/9/2019 SE197697.114	TP158 SOIL 0.2-0.3 12/9/2019 SE197697.115
% Moisture	%w/w	1	5.8	10.0	7.7	14.1	5.0

PARAMETER	UOM	LOR	TP158 SOIL 0.5-0.6 12/9/2019 SE197697.116	TP159 SOIL 0.2-0.3 12/9/2019 SE197697.117	TP159 SOIL 0.5-0.6 12/9/2019 SE197697.118	TP160 SOIL 0.2-0.3 12/9/2019 SE197697.119	TP160 SOIL 0.5-0.6 12/9/2019 SE197697.120
% Moisture	%w/w	1	13.8	10.5	18.1	10.9	9.7

PARAMETER	UOM	LOR	TP161 SOIL 0.4-0.5 12/9/2019 SE197697.121	TP161 SOIL 0.7-0.8 12/9/2019 SE197697.122	TP162 SOIL 0.5-0.6 12/9/2019 SE197697.123	TP162 SOIL 0.9-1.0 12/9/2019 SE197697.124	TP163 SOIL 0.2-0.3 12/9/2019 SE197697.125
% Moisture	%w/w	1	4.3	11.4	9.2	12.0	2.9

PARAMETER	UOM	LOR	TP163 SOIL 0.6-0.7 12/9/2019 SE197697.126	TP164 SOIL 0.3-0.4 12/9/2019 SE197697.127	TP164 SOIL 0.6-0.7 12/9/2019 SE197697.128	TP165 SOIL 0.2-0.3 12/9/2019 SE197697.129	TP165 SOIL 0.5-0.6 12/9/2019 SE197697.130
% Moisture	%w/w	1	11.3	9.4	10.0	12.2	11.1

PARAMETER	UOM	LOR	TP166 SOIL 0.4-0.5 12/9/2019 SE197697.131	TP166 SOIL 0.8-0.9 12/9/2019 SE197697.132	TP167 SOIL 0.2-0.3 12/9/2019 SE197697.133	TP167 SOIL 0.6-0.7 12/9/2019 SE197697.134	TP168 SOIL 0.5-0.6 12/9/2019 SE197697.135
% Moisture	%w/w	1	9.3	5.7	10.1	8.6	6.6

PARAMETER	UOM	LOR	TP168 SOIL 0.8-0.9 12/9/2019 SE197697.136	TP169 SOIL 0.3-0.4 12/9/2019 SE197697.137	TP169 SOIL 0.6-0.7 12/9/2019 SE197697.138	TP170 SOIL 0.4-0.5 12/9/2019 SE197697.139	TP170 SOIL 0.9-1.0 12/9/2019 SE197697.140
% Moisture	%w/w	1	9.5	8.4	9.2	6.1	13.7

Moisture Content [AN002] Tested: 17/9/2019 (continued)

PARAMETER	UOM	LOR	TP171 SOIL 0.2-0.3 12/9/2019 SE197697.141	TP171 SOIL 0.5-0.6 12/9/2019 SE197697.142	TP172 SOIL 0.3-0.4 12/9/2019 SE197697.143	TP172 SOIL 0.9-1.0 12/9/2019 SE197697.144	TP173 SOIL 0.2-0.3 12/9/2019 SE197697.145
% Moisture	%w/w	1	9.1	15.6	12.2	16.2	13.4

PARAMETER	UOM	LOR	TP173 SOIL 0.5-0.6 12/9/2019 SE197697.146	TP174 SOIL 0.4-0.5 12/9/2019 SE197697.147	TP174 SOIL 1.0-1.1 12/9/2019 SE197697.148	TP175 SOIL 0.3-0.4 12/9/2019 SE197697.149	TP175 SOIL 0.6-0.7 12/9/2019 SE197697.150
% Moisture	%w/w	1	17.5	8.3	11.2	15.8	16.1

PARAMETER	UOM	LOR	TP176 SOIL 0.2-0.3 12/9/2019 SE197697.151	TP176 SOIL 0.7-0.8 12/9/2019 SE197697.152	TP177 SOIL 0.4-0.5 12/9/2019 SE197697.153	TP177 SOIL 0.9-1.0 12/9/2019 SE197697.154	TP178 SOIL 0.2-0.3 12/9/2019 SE197697.155
% Moisture	%w/w	1	14.6	14.6	9.5	16.1	8.1

PARAMETER	UOM	LOR	TP178 SOIL 0.6-0.7 12/9/2019 SE197697.156	TP179 SOIL 0.3-0.4 12/9/2019 SE197697.157	TP179 SOIL 0.8-0.9 12/9/2019 SE197697.158	TP180 SOIL 0.4-0.5 12/9/2019 SE197697.159	TP180 SOIL 0.9-1.0 12/9/2019 SE197697.160
% Moisture	%w/w	1	14.8	11.2	12.3	13.7	12.9

PARAMETER	UOM	LOR	TP181 SOIL 0.3-0.4 12/9/2019 SE197697.161	TP181 SOIL 0.8-0.9 12/9/2019 SE197697.162	TP182 SOIL 0.2-0.3 12/9/2019 SE197697.163	TP182 SOIL 0.5-0.6 12/9/2019 SE197697.164	TP183 SOIL 0.3-0.4 12/9/2019 SE197697.165
% Moisture	%w/w	1	7.0	12.0	10.5	13.4	4.5

PARAMETER	UOM	LOR	TP183 SOIL 0.8-0.9 12/9/2019 SE197697.166	TP184 SOIL 0.3-0.4 12/9/2019 SE197697.167	TP184 SOIL 0.7-0.8 12/9/2019 SE197697.168	TP185 SOIL 0.2-0.3 12/9/2019 SE197697.169	TP185 SOIL 0.5-0.6 12/9/2019 SE197697.170
% Moisture	%w/w	1	11.9	10.7	16.4	10.8	9.9

PARAMETER	UOM	LOR	TP186 SOIL 0.4-0.5 12/9/2019 SE197697.171	TP186 SOIL 0.9-1.0 12/9/2019 SE197697.172	TP187 SOIL 0.3-0.4 12/9/2019 SE197697.173	TP187 SOIL 0.7-0.8 12/9/2019 SE197697.174	TP188 SOIL 0.2-0.3 12/9/2019 SE197697.175
% Moisture	%w/w	1	10.1	14.1	6.2	10.3	7.3

Moisture Content [AN002] Tested: 17/9/2019 (continued)

PARAMETER	UOM	LOR	TP188 SOIL 0.5-0.6 12/9/2019 SE197697.176	TP189 SOIL 0.4-0.5 12/9/2019 SE197697.177	TP189 SOIL 0.8-0.9 12/9/2019 SE197697.178	TP190 SOIL 0.3-0.4 12/9/2019 SE197697.179	TP190 SOIL 0.7-0.8 12/9/2019 SE197697.180
% Moisture	%w/w	1	13.0	7.6	6.8	11.4	10.5

PARAMETER	UOM	LOR	TP191 SOIL 0.2-0.3 12/9/2019 SE197697.181	TP191 SOIL 0.5-0.6 12/9/2019 SE197697.182	TP192 SOIL 0.3-0.4 12/9/2019 SE197697.183	TP192 SOIL 0.8-0.9 12/9/2019 SE197697.184	TP193 SOIL 0.2-0.3 12/9/2019 SE197697.185
% Moisture	%w/w	1	4.3	15.1	4.7	8.3	3.2

PARAMETER	UOM	LOR	TP193 SOIL 0.5-0.6 12/9/2019 SE197697.186	TP194 SOIL 0.4-0.5 12/9/2019 SE197697.187	TP194 SOIL 0.9-1.0 12/9/2019 SE197697.188	TP195 SOIL 0.2-0.3 12/9/2019 SE197697.189	TP195 SOIL 0.7-0.8 12/9/2019 SE197697.190
% Moisture	%w/w	1	8.5	11.5	9.7	9.9	13.3

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 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.
		NVL	Not validated.	LOR	Limit of Reporting.
**	Indicative data, theoretical holding time exceeded.	IS	Insufficient sample for analysis.	↑↓	Raised/lowered Limit of Reporting.
		LNR	Sample listed, but not received.		

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.pv.sgsvr/en-gb/environment.

STATEMENT OF QA/QC PERFORMANCE

SE197697 R0

CLIENT DETAILS

Contact	Ziauddin Ahmed
Client	Geotech Testing Pty Ltd
Address	P.O. Box 880 PENRITH NSW 2751
Telephone	02 4722 2700
Facsimile	02 4722 6161
Email	ziauddin@geotech.com.au
Project	**8599-18 Marsden Park**
Order Number	(Not specified)
Samples	190

LABORATORY DETAILS

Manager	Huong Crawford
Laboratory	SGS Alexandria Environmental
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Telephone	+61 2 8594 0400
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Email	au.environmental.sydney@sgs.com
SGS Reference	**SE197697 R0**
Date Received	13 Sep 2019
Date Reported	20 Sep 2019

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	100 items
	pH in soil (1:5)	100 items
Analysis Date	Conductivity and TDS by Calculation - Soil	180 items

SAMPLE SUMMARY

HOLDING TIME SUMMARY

SE197697 R0

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

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

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the sampled date is not supplied then compliance with criteria cannot be determined. If the received date is after one or both due dates then holding time will fail by default.

Conductivity and TDS by Calculation - Soil

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

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP101	SE197697.001	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP101	SE197697.002	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP102	SE197697.003	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP102	SE197697.004	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP103	SE197697.005	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP103	SE197697.006	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP104	SE197697.007	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP104	SE197697.008	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP105	SE197697.009	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP105	SE197697.010	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP106	SE197697.011	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP106	SE197697.012	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP107	SE197697.013	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP107	SE197697.014	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP108	SE197697.015	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP108	SE197697.016	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP109	SE197697.017	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP109	SE197697.018	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP110	SE197697.019	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP110	SE197697.020	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP111	SE197697.021	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP111	SE197697.022	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP112	SE197697.023	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP112	SE197697.024	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP113	SE197697.025	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP113	SE197697.026	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP114	SE197697.027	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP114	SE197697.028	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP115	SE197697.029	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP115	SE197697.030	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP116	SE197697.031	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP116	SE197697.032	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP117	SE197697.033	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP117	SE197697.034	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP118	SE197697.035	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP118	SE197697.036	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP119	SE197697.037	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP119	SE197697.038	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP120	SE197697.039	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP120	SE197697.040	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP121	SE197697.041	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP121	SE197697.042	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP122	SE197697.043	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP122	SE197697.044	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP123	SE197697.045	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP123	SE197697.046	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP124	SE197697.047	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP124	SE197697.048	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP125	SE197697.049	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP125	SE197697.050	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP126	SE197697.051	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP126	SE197697.052	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP127	SE197697.053	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP127	SE197697.054	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP128	SE197697.055	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP128	SE197697.056	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP129	SE197697.057	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP129	SE197697.058	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP130	SE197697.059	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†
TP130	SE197697.060	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019†

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 sampled date is not supplied then compliance with criteria cannot be determined. If the received date is after one or both due dates then holding time will fail by default.

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
TP131	SE197697.061	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP131	SE197697.062	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP132	SE197697.063	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP132	SE197697.064	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP133	SE197697.065	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP133	SE197697.066	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP134	SE197697.067	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP134	SE197697.068	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP135	SE197697.069	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP135	SE197697.070	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP136	SE197697.071	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP136	SE197697.072	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP137	SE197697.073	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP137	SE197697.074	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP138	SE197697.075	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP138	SE197697.076	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP139	SE197697.077	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP139	SE197697.078	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP140	SE197697.079	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP140	SE197697.080	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	19 Sep 2019†
TP141	SE197697.081	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP141	SE197697.082	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP142	SE197697.083	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP142	SE197697.084	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP143	SE197697.085	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP143	SE197697.086	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP144	SE197697.087	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP144	SE197697.088	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP145	SE197697.089	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP145	SE197697.090	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP146	SE197697.091	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP146	SE197697.092	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP147	SE197697.093	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP147	SE197697.094	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP148	SE197697.095	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP148	SE197697.096	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP149	SE197697.097	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP149	SE197697.098	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP150	SE197697.099	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP150	SE197697.100	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	18 Sep 2019	20 Sep 2019†
TP151	SE197697.101	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP151	SE197697.102	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP152	SE197697.103	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP152	SE197697.104	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP153	SE197697.105	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP153	SE197697.106	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP154	SE197697.107	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP154	SE197697.108	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP155	SE197697.109	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP155	SE197697.110	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP156	SE197697.111	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP156	SE197697.112	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP157	SE197697.113	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP157	SE197697.114	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP158	SE197697.115	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP158	SE197697.116	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP159	SE197697.117	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP159	SE197697.118	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP160	SE197697.119	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†
TP160	SE197697.120	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019†

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 sampled date is not supplied then compliance with criteria cannot be determined. If the received date is after one or both due dates then holding time will fail by default.

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
TP161	SE197697.121	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP161	SE197697.122	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP162	SE197697.123	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP162	SE197697.124	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP163	SE197697.125	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP163	SE197697.126	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP164	SE197697.127	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP164	SE197697.128	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP165	SE197697.129	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP165	SE197697.130	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP166	SE197697.131	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP166	SE197697.132	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP167	SE197697.133	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP167	SE197697.134	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP168	SE197697.135	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP168	SE197697.136	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP169	SE197697.137	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP169	SE197697.138	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP170	SE197697.139	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP170	SE197697.140	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP171	SE197697.141	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP171	SE197697.142	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP172	SE197697.143	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP172	SE197697.144	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP173	SE197697.145	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP173	SE197697.146	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP174	SE197697.147	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP174	SE197697.148	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP175	SE197697.149	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP175	SE197697.150	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP176	SE197697.151	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP176	SE197697.152	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP177	SE197697.153	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP177	SE197697.154	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP178	SE197697.155	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP178	SE197697.156	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP179	SE197697.157	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP179	SE197697.158	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP180	SE197697.159	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP180	SE197697.160	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP181	SE197697.161	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP181	SE197697.162	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP182	SE197697.163	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP182	SE197697.164	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP183	SE197697.165	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP183	SE197697.166	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP184	SE197697.167	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP184	SE197697.168	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP185	SE197697.169	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP185	SE197697.170	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP186	SE197697.171	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP186	SE197697.172	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP187	SE197697.173	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP187	SE197697.174	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP188	SE197697.175	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP188	SE197697.176	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP189	SE197697.177	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP189	SE197697.178	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP190	SE197697.179	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†
TP190	SE197697.180	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	19 Sep 2019	20 Sep 2019†

HOLDING TIME SUMMARY

SE197697 R0

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

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

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the sampled date is not supplied then compliance with criteria cannot be determined. If the received date is after one or both due dates then holding time will fail by default.

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
TP191	SE197697.181	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP191	SE197697.182	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP192	SE197697.183	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP192	SE197697.184	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP193	SE197697.185	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP193	SE197697.186	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP194	SE197697.187	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP194	SE197697.188	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP195	SE197697.189	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP195	SE197697.190	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019

Moisture Content

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

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP101	SE197697.001	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP101	SE197697.002	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP102	SE197697.003	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP102	SE197697.004	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP103	SE197697.005	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP103	SE197697.006	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP104	SE197697.007	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP104	SE197697.008	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP105	SE197697.009	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP105	SE197697.010	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP106	SE197697.011	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP106	SE197697.012	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP107	SE197697.013	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP107	SE197697.014	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP108	SE197697.015	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP108	SE197697.016	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP109	SE197697.017	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP109	SE197697.018	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP110	SE197697.019	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP110	SE197697.020	LB183317	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP111	SE197697.021	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP111	SE197697.022	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP112	SE197697.023	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP112	SE197697.024	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP113	SE197697.025	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP113	SE197697.026	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP114	SE197697.027	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP114	SE197697.028	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP115	SE197697.029	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP115	SE197697.030	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP116	SE197697.031	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP116	SE197697.032	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP117	SE197697.033	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP117	SE197697.034	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP118	SE197697.035	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP118	SE197697.036	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP119	SE197697.037	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP119	SE197697.038	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP120	SE197697.039	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP120	SE197697.040	LB183318	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP121	SE197697.041	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP121	SE197697.042	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP122	SE197697.043	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP122	SE197697.044	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP123	SE197697.045	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP123	SE197697.046	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP124	SE197697.047	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019

HOLDING TIME SUMMARY

SE197697 R0

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

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

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the sampled date is not supplied then compliance with criteria cannot be determined. If the received date is after one or both due dates then holding time will fail by default.

Moisture Content (continued)

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

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP124	SE197697.048	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP125	SE197697.049	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP125	SE197697.050	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP126	SE197697.051	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP126	SE197697.052	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP127	SE197697.053	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP127	SE197697.054	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP128	SE197697.055	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP128	SE197697.056	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP129	SE197697.057	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP129	SE197697.058	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP130	SE197697.059	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP130	SE197697.060	LB183320	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP131	SE197697.061	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP131	SE197697.062	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP132	SE197697.063	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP132	SE197697.064	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP133	SE197697.065	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP133	SE197697.066	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP134	SE197697.067	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP134	SE197697.068	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP135	SE197697.069	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP135	SE197697.070	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP136	SE197697.071	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP136	SE197697.072	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP137	SE197697.073	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP137	SE197697.074	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP138	SE197697.075	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP138	SE197697.076	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP139	SE197697.077	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP139	SE197697.078	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP140	SE197697.079	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP140	SE197697.080	LB183321	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP141	SE197697.081	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP141	SE197697.082	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP142	SE197697.083	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP142	SE197697.084	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP143	SE197697.085	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP143	SE197697.086	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP144	SE197697.087	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP144	SE197697.088	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP145	SE197697.089	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP145	SE197697.090	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP146	SE197697.091	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP146	SE197697.092	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP147	SE197697.093	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP147	SE197697.094	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP148	SE197697.095	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP148	SE197697.096	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP149	SE197697.097	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP149	SE197697.098	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP150	SE197697.099	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP150	SE197697.100	LB183322	11 Sep 2019	13 Sep 2019	25 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP151	SE197697.101	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP151	SE197697.102	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP152	SE197697.103	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP152	SE197697.104	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP153	SE197697.105	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP153	SE197697.106	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP154	SE197697.107	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019

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 sampled date is not supplied then compliance with criteria cannot be determined. If the received date is after one or both due dates then holding time will fail by default.

Moisture Content (continued)

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

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP154	SE197697.108	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP155	SE197697.109	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP155	SE197697.110	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP156	SE197697.111	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP156	SE197697.112	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP157	SE197697.113	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP157	SE197697.114	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP158	SE197697.115	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP158	SE197697.116	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP159	SE197697.117	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP159	SE197697.118	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP160	SE197697.119	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP160	SE197697.120	LB183323	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	19 Sep 2019
TP161	SE197697.121	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP161	SE197697.122	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP162	SE197697.123	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP162	SE197697.124	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP163	SE197697.125	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP163	SE197697.126	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP164	SE197697.127	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP164	SE197697.128	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP165	SE197697.129	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP165	SE197697.130	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP166	SE197697.131	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP166	SE197697.132	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP167	SE197697.133	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP167	SE197697.134	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP168	SE197697.135	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP168	SE197697.136	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP169	SE197697.137	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP169	SE197697.138	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP170	SE197697.139	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP170	SE197697.140	LB183324	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP171	SE197697.141	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP171	SE197697.142	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP172	SE197697.143	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP172	SE197697.144	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP173	SE197697.145	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP173	SE197697.146	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP174	SE197697.147	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP174	SE197697.148	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP175	SE197697.149	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP175	SE197697.150	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP176	SE197697.151	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP176	SE197697.152	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP177	SE197697.153	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP177	SE197697.154	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP178	SE197697.155	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP178	SE197697.156	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP179	SE197697.157	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP179	SE197697.158	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP180	SE197697.159	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP180	SE197697.160	LB183325	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP181	SE197697.161	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP181	SE197697.162	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP182	SE197697.163	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP182	SE197697.164	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP183	SE197697.165	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP183	SE197697.166	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP184	SE197697.167	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019

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 sampled date is not supplied then compliance with criteria cannot be determined. If the received date is after one or both due dates then holding time will fail by default.

Moisture Content (continued)

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

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP184	SE197697.168	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP185	SE197697.169	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP185	SE197697.170	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP186	SE197697.171	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP186	SE197697.172	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP187	SE197697.173	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP187	SE197697.174	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP188	SE197697.175	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP188	SE197697.176	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP189	SE197697.177	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP189	SE197697.178	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP190	SE197697.179	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP190	SE197697.180	LB183326	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	20 Sep 2019
TP191	SE197697.181	LB183327	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP191	SE197697.182	LB183327	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP192	SE197697.183	LB183327	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP192	SE197697.184	LB183327	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP193	SE197697.185	LB183327	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP193	SE197697.186	LB183327	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP194	SE197697.187	LB183327	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP194	SE197697.188	LB183327	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP195	SE197697.189	LB183327	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019
TP195	SE197697.190	LB183327	12 Sep 2019	13 Sep 2019	26 Sep 2019	17 Sep 2019	22 Sep 2019	18 Sep 2019

pH in soil (1:5)

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

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP101	SE197697.001	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP101	SE197697.002	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP102	SE197697.003	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP102	SE197697.004	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP103	SE197697.005	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP103	SE197697.006	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP104	SE197697.007	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP104	SE197697.008	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP105	SE197697.009	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP105	SE197697.010	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP106	SE197697.011	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP106	SE197697.012	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP107	SE197697.013	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP107	SE197697.014	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP108	SE197697.015	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP108	SE197697.016	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP109	SE197697.017	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP109	SE197697.018	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP110	SE197697.019	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP110	SE197697.020	LB183395	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP111	SE197697.021	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP111	SE197697.022	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP112	SE197697.023	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP112	SE197697.024	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP113	SE197697.025	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP113	SE197697.026	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP114	SE197697.027	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP114	SE197697.028	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP115	SE197697.029	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP115	SE197697.030	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP116	SE197697.031	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP116	SE197697.032	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP117	SE197697.033	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP117	SE197697.034	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019

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 sampled date is not supplied then compliance with criteria cannot be determined. If the received date is after one or both due dates then holding time will fail by default.

pH in soil (1:5) (continued) — Method: ME-(AU)-[ENV]AN101

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP118	SE197697.035	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP118	SE197697.036	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP119	SE197697.037	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP119	SE197697.038	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP120	SE197697.039	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP120	SE197697.040	LB183396	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP121	SE197697.041	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP121	SE197697.042	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP122	SE197697.043	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP122	SE197697.044	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP123	SE197697.045	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP123	SE197697.046	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP124	SE197697.047	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP124	SE197697.048	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP125	SE197697.049	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP125	SE197697.050	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP126	SE197697.051	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP126	SE197697.052	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP127	SE197697.053	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP127	SE197697.054	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP128	SE197697.055	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP128	SE197697.056	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP129	SE197697.057	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP129	SE197697.058	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP130	SE197697.059	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP130	SE197697.060	LB183397	11 Sep 2019	13 Sep 2019	18 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP131	SE197697.061	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP131	SE197697.062	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP132	SE197697.063	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP132	SE197697.064	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP133	SE197697.065	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP133	SE197697.066	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP134	SE197697.067	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP134	SE197697.068	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP135	SE197697.069	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP135	SE197697.070	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP136	SE197697.071	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP136	SE197697.072	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP137	SE197697.073	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP137	SE197697.074	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP138	SE197697.075	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP138	SE197697.076	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP139	SE197697.077	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP139	SE197697.078	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP140	SE197697.079	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP140	SE197697.080	LB183482	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	19 Sep 2019
TP141	SE197697.081	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP141	SE197697.082	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP142	SE197697.083	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP142	SE197697.084	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP143	SE197697.085	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP143	SE197697.086	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP144	SE197697.087	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP144	SE197697.088	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP145	SE197697.089	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP145	SE197697.090	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP146	SE197697.091	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP146	SE197697.092	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP147	SE197697.093	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP147	SE197697.094	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019

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 sampled date is not supplied then compliance with criteria cannot be determined. If the received date is after one or both due dates then holding time will fail by default.

pH in soil (1:5) (continued) — Method: ME-(AU)-[ENV]AN101

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP148	SE197697.095	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP148	SE197697.096	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP149	SE197697.097	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP149	SE197697.098	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP150	SE197697.099	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP150	SE197697.100	LB183486	11 Sep 2019	13 Sep 2019	18 Sep 2019	19 Sep 2019†	20 Sep 2019	20 Sep 2019
TP151	SE197697.101	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP151	SE197697.102	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP152	SE197697.103	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP152	SE197697.104	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP153	SE197697.105	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP153	SE197697.106	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP154	SE197697.107	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP154	SE197697.108	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP155	SE197697.109	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP155	SE197697.110	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP156	SE197697.111	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP156	SE197697.112	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP157	SE197697.113	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP157	SE197697.114	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP158	SE197697.115	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP158	SE197697.116	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP159	SE197697.117	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP159	SE197697.118	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP160	SE197697.119	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP160	SE197697.120	LB183485	12 Sep 2019	13 Sep 2019	19 Sep 2019	19 Sep 2019	20 Sep 2019	20 Sep 2019
TP161	SE197697.121	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP161	SE197697.122	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP162	SE197697.123	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP162	SE197697.124	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP163	SE197697.125	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP163	SE197697.126	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP164	SE197697.127	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP164	SE197697.128	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP165	SE197697.129	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP165	SE197697.130	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP166	SE197697.131	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP166	SE197697.132	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP167	SE197697.133	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP167	SE197697.134	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP168	SE197697.135	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP168	SE197697.136	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP169	SE197697.137	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP169	SE197697.138	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP170	SE197697.139	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP170	SE197697.140	LB183606	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP171	SE197697.141	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP171	SE197697.142	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP172	SE197697.143	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP172	SE197697.144	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP173	SE197697.145	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP173	SE197697.146	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP174	SE197697.147	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP174	SE197697.148	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP175	SE197697.149	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP175	SE197697.150	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP176	SE197697.151	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP176	SE197697.152	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP177	SE197697.153	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP177	SE197697.154	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019

HOLDING TIME SUMMARY

SE197697 R0

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

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

Extraction and analysis dates are shown in **Green** when within suggested criteria or **Red** with an appended dagger symbol (†) when outside suggested criteria. If the sampled date is not supplied then compliance with criteria cannot be determined. If the received date is after one or both due dates then holding time will fail by default.

pH in soil (1:5) (continued) — **Method: ME-(AU)-[ENV]AN101**

Sample Name	Sample No.	QC Ref	Sampled	Received	Extraction Due	Extracted	Analysis Due	Analysed
TP178	SE197697.155	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP178	SE197697.156	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP179	SE197697.157	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP179	SE197697.158	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP180	SE197697.159	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP180	SE197697.160	LB183608	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP181	SE197697.161	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP181	SE197697.162	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP182	SE197697.163	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP182	SE197697.164	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP183	SE197697.165	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP183	SE197697.166	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP184	SE197697.167	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP184	SE197697.168	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP185	SE197697.169	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP185	SE197697.170	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP186	SE197697.171	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP186	SE197697.172	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP187	SE197697.173	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP187	SE197697.174	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP188	SE197697.175	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP188	SE197697.176	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP189	SE197697.177	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP189	SE197697.178	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP190	SE197697.179	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP190	SE197697.180	LB183609	12 Sep 2019	13 Sep 2019	19 Sep 2019	20 Sep 2019†	21 Sep 2019	20 Sep 2019
TP191	SE197697.181	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP191	SE197697.182	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP192	SE197697.183	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP192	SE197697.184	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP193	SE197697.185	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP193	SE197697.186	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP194	SE197697.187	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP194	SE197697.188	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP195	SE197697.189	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019
TP195	SE197697.190	LB183398	12 Sep 2019	13 Sep 2019	19 Sep 2019	18 Sep 2019	19 Sep 2019	19 Sep 2019

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

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

No surrogates were required for this job.

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

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

Conductivity and TDS by Calculation - Soil — **Method: ME-(AU)-[ENV]AN106**

Sample Number	Parameter	Units	LOR	Result
LB183395.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0.34
LB183396.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0
LB183397.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0
LB183398.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0.32
LB183482.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0
LB183485.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0
LB183486.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0
LB183606.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0
LB183608.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0
LB183609.001	Conductivity of Extract (1:5 as received)	µS/cm	1	<1
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	0

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

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

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

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

Conductivity and TDS by Calculation - Soil

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

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE197625.002	LB183398.019	Conductivity of Extract (1:5 as received)	µS/cm	1	370	373	31	0
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	460	56.848773841	30	0
SE197697.010	LB183395.014	Conductivity of Extract (1:5 as received)	µS/cm	1	280	290	31	2
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	330	39.388182593	31	2
SE197697.020	LB183395.025	Conductivity of Extract (1:5 as received)	µS/cm	1	230	210	31	9
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	280	57.389380530	31	9
SE197697.030	LB183396.014	Conductivity of Extract (1:5 as received)	µS/cm	1	630	630	30	1
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	770	65.759179104	30	1
SE197697.040	LB183396.025	Conductivity of Extract (1:5 as received)	µS/cm	1	580	560	30	4
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	680	58.386460699	30	4
SE197697.050	LB183397.014	Conductivity of Extract (1:5 as received)	µS/cm	1	310	320	31	3
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	380	93.762162162	31	3
SE197697.060	LB183397.025	Conductivity of Extract (1:5 as received)	µS/cm	1	320	310	31	1
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	400	93.940099502	31	1
SE197697.070	LB183482.014	Conductivity of Extract (1:5 as received)	µS/cm	1	240	280	31	15
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	280	29.052808046	31	15
SE197697.080	LB183482.025	Conductivity of Extract (1:5 as received)	µS/cm	1	340	330	31	2
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	390	84.392834645	31	2
SE197697.090	LB183486.014	Conductivity of Extract (1:5 as received)	µS/cm	1	310	340	31	6
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	370	93.965183752	31	6
SE197697.100	LB183486.025	Conductivity of Extract (1:5 as received)	µS/cm	1	150	150	31	6
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	170	83.977776298	31	6
SE197697.110	LB183485.014	Conductivity of Extract (1:5 as received)	µS/cm	1	130	130	32	2
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	160	60.048010948	31	2
SE197697.120	LB183485.025	Conductivity of Extract (1:5 as received)	µS/cm	1	110	130	32	15
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	120	39.954959785	32	15
SE197697.130	LB183606.014	Conductivity of Extract (1:5 as received)	µS/cm	1	260	240	31	7
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	290	70.510421052	31	7
SE197697.140	LB183606.025	Conductivity of Extract (1:5 as received)	µS/cm	1	140	140	31	1
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	160	65.473476263	31	1
SE197697.150	LB183608.014	Conductivity of Extract (1:5 as received)	µS/cm	1	430	390	30	9
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	510	68.036425591	30	9
SE197697.160	LB183608.025	Conductivity of Extract (1:5 as received)	µS/cm	1	250	230	31	6
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	280	67.277704194	31	6
SE197697.170	LB183609.014	Conductivity of Extract (1:5 as received)	µS/cm	1	190	190	31	3
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	210	08.776361867	31	3
SE197697.180	LB183609.025	Conductivity of Extract (1:5 as received)	µS/cm	1	200	210	31	9
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	220	39.625788923	31	9
SE197697.190	LB183398.018	Conductivity of Extract (1:5 as received)	µS/cm	1	450	410	30	9
		Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	520	76.433750823	30	9

Moisture Content

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

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE197697.010	LB183317.011	% Moisture	%w/w	1	14.4	13.9	37	3
SE197697.020	LB183317.022	% Moisture	%w/w	1	18.4	17.7	36	4
SE197697.030	LB183318.011	% Moisture	%w/w	1	18.3	16.3	36	12
SE197697.040	LB183318.022	% Moisture	%w/w	1	14.7	14.8	37	1
SE197697.050	LB183320.011	% Moisture	%w/w	1	17.5	17.7	36	1
SE197697.060	LB183320.022	% Moisture	%w/w	1	20.9	21.2	35	2
SE197697.070	LB183321.011	% Moisture	%w/w	1	14.9	15.6	37	4
SE197697.080	LB183321.022	% Moisture	%w/w	1	14.5	14.8	37	2
SE197697.090	LB183322.011	% Moisture	%w/w	1	15.0	14.5	37	3
SE197697.100	LB183322.022	% Moisture	%w/w	1	16.5	17.5	36	6
SE197697.110	LB183323.011	% Moisture	%w/w	1	16.8	17.7	36	5
SE197697.120	LB183323.022	% Moisture	%w/w	1	9.7	9.4	40	3
SE197697.130	LB183324.011	% Moisture	%w/w	1	11.1	12.1	39	8
SE197697.140	LB183324.022	% Moisture	%w/w	1	13.7	17.1	36	22
SE197697.150	LB183325.011	% Moisture	%w/w	1	16.1	15.2	36	6
SE197697.160	LB183325.022	% Moisture	%w/w	1	12.9	14.6	37	12
SE197697.170	LB183326.011	% Moisture	%w/w	1	9.9	9.9	40	0
SE197697.180	LB183326.022	% Moisture	%w/w	1	10.5	10.8	39	3

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

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

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

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

Moisture Content (continued) — Method: ME-(AU)-[ENV]AN002

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE197697.190	LB183327.011	% Moisture	%w/w	1	13.3	15.4	37	14

pH in soil (1:5) — Method: ME-(AU)-[ENV]AN101

Original	Duplicate	Parameter	Units	LOR	Original	Duplicate	Criteria %	RPD %
SE197625.002	LB183398.019	pH	pH Units	0.1	6.4	6.482	32	2
SE197697.010	LB183395.014	pH	pH Units	0.1	5.4	5.6	32	3
SE197697.020	LB183395.025	pH	pH Units	0.1	5.1	5.2	32	2
SE197697.030	LB183396.014	pH	pH Units	0.1	5.3	5.3	32	0
SE197697.040	LB183396.025	pH	pH Units	0.1	5.5	5.5	32	0
SE197697.050	LB183397.014	pH	pH Units	0.1	4.8	4.8	32	0
SE197697.060	LB183397.025	pH	pH Units	0.1	4.5	4.5	32	1
SE197697.070	LB183482.014	pH	pH Units	0.1	5.7	5.9	32	3
SE197697.080	LB183482.025	pH	pH Units	0.1	5.6	5.6	32	0
SE197697.090	LB183486.014	pH	pH Units	0.1	5.0	4.9	32	2
SE197697.100	LB183486.025	pH	pH Units	0.1	6.8	6.8	31	0
SE197697.110	LB183485.014	pH	pH Units	0.1	5.1	5.1	32	0
SE197697.120	LB183485.025	pH	pH Units	0.1	6.4	6.5	32	1
SE197697.130	LB183606.014	pH	pH Units	0.1	5.2	5.2	32	0
SE197697.140	LB183606.025	pH	pH Units	0.1	5.6	5.5	32	1
SE197697.150	LB183608.014	pH	pH Units	0.1	4.8	4.9	32	1
SE197697.160	LB183608.025	pH	pH Units	0.1	5.7	5.5	32	3
SE197697.170	LB183609.014	pH	pH Units	0.1	6.2	5.6	32	12
SE197697.180	LB183609.025	pH	pH Units	0.1	5.9	5.9	32	0
SE197697.190	LB183398.018	pH	pH Units	0.1	5.9	5.5	32	7

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]AN106

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB183395.002	Conductivity of Extract (1:5 as received)	µS/cm	1	310	303	85 - 115	103
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	103
LB183396.002	Conductivity of Extract (1:5 as received)	µS/cm	1	280	303	85 - 115	94
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	94
LB183397.002	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
LB183398.002	Conductivity of Extract (1:5 as received)	µS/cm	1	310	303	85 - 115	103
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	103
LB183482.002	Conductivity of Extract (1:5 as received)	µS/cm	1	330	303	85 - 115	109
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	109
LB183485.002	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
LB183486.002	Conductivity of Extract (1:5 as received)	µS/cm	1	290	303	85 - 115	95
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	95
LB183606.002	Conductivity of Extract (1:5 as received)	µS/cm	1	270	303	85 - 115	90
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	90
LB183608.002	Conductivity of Extract (1:5 as received)	µS/cm	1	280	303	85 - 115	91
	Conductivity of Extract (1:5 dry sample basis)	µS/cm	1	NA	303	85 - 115	91
LB183609.002	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

pH in soil (1:5)

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

Sample Number	Parameter	Units	LOR	Result	Expected	Criteria %	Recovery %
LB183395.003	pH	pH Units	0.1	7.5	7.415	98 - 102	101
LB183396.003	pH	pH Units	0.1	7.5	7.415	98 - 102	101
LB183397.003	pH	pH Units	0.1	7.5	7.415	98 - 102	101
LB183398.003	pH	pH Units	0.1	7.4	7.415	98 - 102	99
LB183482.003	pH	pH Units	0.1	7.3	7.415	98 - 102	99
LB183485.003	pH	pH Units	0.1	7.4	7.415	98 - 102	99
LB183486.003	pH	pH Units	0.1	7.5	7.415	98 - 102	101
LB183606.003	pH	pH Units	0.1	7.5	7.415	98 - 102	101
LB183608.003	pH	pH Units	0.1	7.5	7.415	98 - 102	101
LB183609.003	pH	pH Units	0.1	7.5	7.415	98 - 102	101

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

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

No matrix spikes were required for this job.

MATRIX SPIKE DUPLICATES

SE197697 R0

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

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

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

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

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

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.
-	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 Analytical Report comments for further information.

GEOTECH TESTING PTY LTD

E-MAILED 13/9/19@4.20pm

Laboratory Test Request / Chain of Custody Record

Lemko Place
PENRITH NSW 2750

P O Box 880
PENRITH NSW 2751

Tel: (02) 4722 2700
Fax: (02) 4722 6161
email: info@geotech.com.au

TO:	SGS ENVIRONMENTAL SERVICES UNIT 16 33 MADDOX STREET ALEXANDRIA NSW	Sampling Date:	11/09/2019 & 12/09/2019	Job No:	8599/18
		Sampled By:	NK	Project:	Exposure Classification
PH:	8594 0400 FAX: 8594 0499	Project Manager:	ZA	Location:	Marsden Park
ATTN:	Ms Emily Yin				

	Sampling details		Sample type		Results required by:									
	Location	Depth (m)	Soil	Water	EC (1:5)	pH								KEEP SAMPLE
1	TP101	0.2-0.3	DSP		✓	✓								YES
2		0.8-0.9	DSP		✓	✓								YES
3	TP102	0.3-0.4	DSP		✓	✓								YES
4		0.6-0.7	DSP		✓	✓								YES
5	TP103	0.2-0.3	DSP		✓	✓								YES
6		0.9-1.0	DSP		✓	✓								YES
7	TP104	0.5-0.6	DSP		✓	✓								YES
8		0.9-1.0	DSP		✓	✓								YES
9	TP105	0.2-0.3	DSP		✓	✓								YES
10		0.5-0.6	DSP		✓	✓								YES
11	TP106	0.4-0.5	DSP		✓	✓								YES
12		0.8-0.9	DSP		✓	✓								YES
13	TP107	0.2-0.3	DSP		✓	✓								YES
14		0.7-0.8	DSP		✓	✓								YES
15	TP108	0.2-0.3	DSP		✓	✓								YES
16		0.5-0.6	DSP		✓	✓								YES
17	TP109	0.2-0.3	DSP		✓	✓								YES
18		0.8-0.9	DSP		✓	✓								YES
19	TP110	0.2-0.3	DSP		✓	✓								YES
20		0.9-1.0	DSP		✓	✓								YES
21	TP111	0.4-0.5	DSP		✓	✓								YES
22		0.9-1.0	DSP		✓	✓								YES
23	TP112	0.2-0.3	DSP		✓	✓								YES
24		0.6-0.7	DSP		✓	✓								YES
25	TP113	0.2-0.3	DSP		✓	✓								YES

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SE197697 COC
Received: 13 – Sep – 2019

26		0.5-0.6	DSP		✓	✓									YES
27	TP114	0.2-0.3	DSP		✓	✓									YES
28		0.7-0.8	DSP		✓	✓									YES
29	TP115	0.2-0.3	DSP		✓	✓									YES
30		0.5-0.6	DSP		✓	✓									YES
31	TP116	0.4-0.5	DSP		✓	✓									YES
32		0.9-1.0	DSP		✓	✓									YES
33	TP117	0.2-0.3	DSP		✓	✓									YES
34		0.5-0.6	DSP		✓	✓									YES
35	TP118	0.2-0.3	DSP		✓	✓									YES
36		0.7-0.8	DSP		✓	✓									YES
37	TP119	0.5-0.6	DSP		✓	✓									YES
38		0.9-1.0	DSP		✓	✓									YES
39	TP120	0.2-0.3	DSP		✓	✓									YES
40		0.7-0.8	DSP		✓	✓									YES
41	TP121	0.2-0.3	DSP		✓	✓									YES
42		0.5-0.6	DSP		✓	✓									YES
43	TP122	0.4-0.5	DSP		✓	✓									YES
44		0.9-1.0	DSP		✓	✓									YES
45	TP123	0.2-0.3	DSP		✓	✓									YES
46		0.6-0.7	DSP		✓	✓									YES
47	TP124	0.5-0.6	DSP		✓	✓									YES
48		0.9-1.0	DSP		✓	✓									YES
49	TP125	0.2-0.3	DSP		✓	✓									YES
50		0.6-0.7	DSP		✓	✓									YES
51	TP126	0.4-0.5	DSP		✓	✓									YES
52		0.9-1.0	DSP		✓	✓									YES
53	TP127	0.2-0.3	DSP		✓	✓									YES
54		0.5-0.6	DSP		✓	✓									YES
55	TP128	0.2-0.3	DSP		✓	✓									YES
56		0.5-0.6	DSP		✓	✓									YES
57	TP129	0.4-0.5	DSP		✓	✓									YES
58		0.7-0.8	DSP		✓	✓									YES
59	TP130	0.2-0.3	DSP		✓	✓									YES
60		0.6-0.7	DSP		✓	✓									YES
61	TP131	0.2-0.3	DSP		✓	✓									YES
62		0.5-0.6	DSP		✓	✓									YES
63	TP132	0.5-0.6	DSP		✓	✓									YES
64		0.9-1.0	DSP		✓	✓									YES
65	TP133	0.3-0.4	DSP		✓	✓									YES
66		0.8-0.9	DSP		✓	✓									YES
67	TP134	0.2-0.3	DSP		✓	✓									YES
68		0.6-0.7	DSP		✓	✓									YES
69	TP135	0.2-0.3	DSP		✓	✓									YES
70		0.6-0.7	DSP		✓	✓									YES

71	TP136	0.3-0.4	DSP		✓	✓								YES
72		0.7-0.8	DSP		✓	✓								YES
73	TP137	0.5-0.6	DSP		✓	✓								YES
74		0.9-1.0	DSP		✓	✓								YES
75	TP138	0.2-0.3	DSP		✓	✓								YES
76		0.5-0.6	DSP		✓	✓								YES
77	TP139	0.2-0.3	DSP		✓	✓								YES
78		0.5-0.6	DSP		✓	✓								YES
79	TP140	0.5-0.6	DSP		✓	✓								YES
80		0.8-0.9	DSP		✓	✓								YES
81	TP141	0.2-0.3	DSP		✓	✓								YES
82		0.6-0.7	DSP		✓	✓								YES
83	TP142	0.2-0.3	DSP		✓	✓								YES
84		0.6-0.7	DSP		✓	✓								YES
85	TP143	0.4-0.5	DSP		✓	✓								YES
86		0.7-0.8	DSP		✓	✓								YES
87	TP144	0.5-0.6	DSP		✓	✓								YES
88		0.8-0.9	DSP		✓	✓								YES
89	TP145	0.2-0.3	DSP		✓	✓								YES
90		0.6-0.7	DSP		✓	✓								YES
91	TP146	0.4-0.5	DSP		✓	✓								YES
92		0.7-0.8	DSP		✓	✓								YES
93	TP147	0.2-0.3	DSP		✓	✓								YES
94		0.5-0.6	DSP		✓	✓								YES
95	TP148	0.4-0.5	DSP		✓	✓								YES
96		0.7-0.8	DSP		✓	✓								YES
97	TP149	0.2-0.3	DSP		✓	✓								YES
98		0.5-0.6	DSP		✓	✓								YES
99	TP150	0.4-0.5	DSP		✓	✓								YES
100		0.8-0.9	DSP		✓	✓								YES
101	TP151	0.2-0.3	DSP		✓	✓								YES
102		0.6-0.7	DSP		✓	✓								YES
103	TP152	0.5-0.6	DSP		✓	✓								YES
104		0.9-1.0	DSP		✓	✓								YES
105	TP153	0.2-0.3	DSP		✓	✓								YES
106		0.6-0.7	DSP		✓	✓								YES
107	TP154	0.5-0.6	DSP		✓	✓								YES
108		0.9-1.0	DSP		✓	✓								YES
109	TP155	0.4-0.5	DSP		✓	✓								YES
110		0.7-0.8	DSP		✓	✓								YES
111	TP156	0.2-0.3	DSP		✓	✓								YES
112		0.7-0.8	DSP		✓	✓								YES
113	TP157	0.5-0.6	DSP		✓	✓								YES
114		0.9-1.0	DSP		✓	✓								YES
115	TP158	0.2-0.3	DSP		✓	✓								YES

116		0.5-0.6	DSP		✓	✓								YES
117	TP159	0.2-0.3	DSP		✓	✓								YES
118		0.5-0.6	DSP		✓	✓								YES
119	TP160	0.2-0.3	DSP		✓	✓								YES
120		0.5-0.6	DSP		✓	✓								YES
121	TP161	0.4-0.5	DSP		✓	✓								YES
122		0.7-0.8	DSP		✓	✓								YES
123	TP162	0.5-0.6	DSP		✓	✓								YES
124		0.9-1.0	DSP		✓	✓								YES
125	TP163	0.2-0.3	DSP		✓	✓								YES
126		0.6-0.7	DSP		✓	✓								YES
127	TP164	0.3-0.4	DSP		✓	✓								YES
128		0.6-0.7	DSP		✓	✓								YES
129	TP165	0.2-0.3	DSP		✓	✓								YES
130		0.5-0.6	DSP		✓	✓								YES
131	TP166	0.4-0.5	DSP		✓	✓								YES
132		0.8-0.9	DSP		✓	✓								YES
133	TP167	0.2-0.3	DSP		✓	✓								YES
134		0.6-0.7	DSP		✓	✓								YES
135	TP168	0.5-0.6	DSP		✓	✓								YES
136		0.8-0.9	DSP		✓	✓								YES
137	TP169	0.3-0.4	DSP		✓	✓								YES
138		0.6-0.7	DSP		✓	✓								YES
139	TP170	0.4-0.5	DSP		✓	✓								YES
140		0.9-1.0	DSP		✓	✓								YES
141	TP171	0.2-0.3	DSP		✓	✓								YES
142		0.5-0.6	DSP		✓	✓								YES
143	TP172	0.3-0.4	DSP		✓	✓								YES
144		0.9-1.0	DSP		✓	✓								YES
145	TP173	0.2-0.3	DSP		✓	✓								YES
146		0.5-0.6	DSP		✓	✓								YES
147	TP174	0.4-0.5	DSP		✓	✓								YES
148		1.0-1.1	DSP		✓	✓								YES
149	TP175	0.3-0.4	DSP		✓	✓								YES
150		0.6-0.7	DSP		✓	✓								YES
151	TP176	0.2-0.3	DSP		✓	✓								YES
152		0.7-0.8	DSP		✓	✓								YES
153	TP177	0.4-0.5	DSP		✓	✓								YES
154		0.9-1.0	DSP		✓	✓								YES
155	TP178	0.2-0.3	DSP		✓	✓								YES
156		0.6-0.7	DSP		✓	✓								YES
157	TP179	0.3-0.4	DSP		✓	✓								YES
158		0.8-0.9	DSP		✓	✓								YES
159	TP180	0.4-0.5	DSP		✓	✓								YES
160		0.9-1.0	DSP		✓	✓								YES

161	TP181	0.3-0.4	DSP		✓	✓									YES
162		0.8-0.9	DSP		✓	✓									YES
163	TP182	0.2-0.3	DSP		✓	✓									YES
164		0.5-0.6	DSP		✓	✓									YES
165	TP183	0.3-0.4	DSP		✓	✓									YES
166		0.8-0.9	DSP		✓	✓									YES
167	TP184	0.3-0.4	DSP		✓	✓									YES
168		0.7-0.8	DSP		✓	✓									YES
169	TP185	0.2-0.3	DSP		✓	✓									YES
170		0.5-0.6	DSP		✓	✓									YES
171	TP186	0.4-0.5	DSP		✓	✓									YES
172		0.9-1.0	DSP		✓	✓									YES
173	TP187	0.3-0.4	DSP		✓	✓									YES
174		0.7-0.8	DSP		✓	✓									YES
175	TP188	0.2-0.3	DSP		✓	✓									YES
176		0.5-0.6	DSP		✓	✓									YES
177	TP189	0.4-0.5	DSP		✓	✓									YES
178		0.8-0.9	DSP		✓	✓									YES
179	TP190	0.3-0.4	DSP		✓	✓									YES
180		0.7-0.8	DSP		✓	✓									YES
181	TP191	0.2-0.3	DSP		✓	✓									YES
182		0.5-0.6	DSP		✓	✓									YES
183	TP192	0.3-0.4	DSP		✓	✓									YES
184		0.8-0.9	DSP		✓	✓									YES
185	TP193	0.2-0.3	DSP		✓	✓									YES
186		0.5-0.6	DSP		✓	✓									YES
187	TP194	0.4-0.5	DSP		✓	✓									YES
188		0.9-1.0	DSP		✓	✓									YES
189	TP195	0.2-0.3	DSP		✓	✓									YES
190		0.7-0.8	DSP		✓	✓									YES

Relinquished by			Received by		
Name	Signature	Date	Name	Signature	Date
Raja	NK	13/09/2019	Suba		13/9/19 2:55pm

Legend:

WG	Water sample, glass bottle	USG	Undisturbed soil sample	DSP	Disturbed soil sample (small plastic bag)
WP	Water sample, plastic bottle	DSG	Disturbed soil sample (gl	✓	Test required

* Purge & Trap @ mole H^+/tonne

Geotechnique Screen

SAMPLE RECEIPT ADVICE

SE197697

CLIENT DETAILS

Contact	Ziauddin Ahmed
Client	Geotech Testing Pty Ltd
Address	P.O. Box 880 PENRITH NSW 2751
Telephone	02 4722 2700
Facsimile	02 4722 6161
Email	ziauddin@geotech.com.au
Project	**8599/18 Marsden Park**
Order Number	(Not specified)
Samples	190

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	Fri 13/9/2019
Report Due	Fri 20/9/2019
SGS Reference	**SE197697**

SUBMISSION DETAILS

This is to confirm that 190 samples were received on Friday 13/9/2019. Results are expected to be ready by COB Friday 20/9/2019. Please quote SGS reference SE197697 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	190 Soil
Date documentation received	13/9/2019@4:20pm	Type of documentation received	COC
Number of eskies/boxes received		Samples received in good order	Yes
Samples received without headspace	N/A	Sample temperature upon receipt	19.7°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

SAMPLE RECEIPT ADVICE

SE197697

CLIENT DETAILS

Client Geotech Testing Pty Ltd

Project 8599/18 Marsden Park

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
001	TP101 0.2-0.3	2	1	1
002	TP101 0.8-0.9	2	1	1
003	TP102 0.3-0.4	2	1	1
004	TP102 0.6-0.7	2	1	1
005	TP103 0.2-0.3	2	1	1
006	TP103 0.9-1.0	2	1	1
007	TP104 0.5-0.6	2	1	1
008	TP104 0.9-1.0	2	1	1
009	TP105 0.2-0.3	2	1	1
010	TP105 0.5-0.6	2	1	1
011	TP106 0.4-0.5	2	1	1
012	TP106 0.8-0.9	2	1	1
013	TP107 0.2-0.3	2	1	1
014	TP107 0.7-0.8	2	1	1
015	TP108 0.2-0.3	2	1	1
016	TP108 0.5-0.6	2	1	1
017	TP109 0.2-0.3	2	1	1
018	TP109 0.8-0.9	2	1	1
019	TP110 0.2-0.3	2	1	1
020	TP110 0.9-1.0	2	1	1
021	TP111 0.4-0.5	2	1	1
022	TP111 0.9-1.0	2	1	1
023	TP112 0.2-0.3	2	1	1
024	TP112 0.6-0.7	2	1	1

CONTINUED OVERLEAF

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SAMPLE RECEIPT ADVICE

SE197697

CLIENT DETAILS

Client Geotech Testing Pty Ltd

Project 8599/18 Marsden Park

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
025	TP113 0.2-0.3	2	1	1
026	TP113 0.5-0.6	2	1	1
027	TP114 0.2-0.3	2	1	1
028	TP114 0.7-0.8	2	1	1
029	TP115 0.2-0.3	2	1	1
030	TP115 0.5-0.6	2	1	1
031	TP116 0.4-0.5	2	1	1
032	TP116 0.9-1.0	2	1	1
033	TP117 0.2-0.3	2	1	1
034	TP117 0.5-0.6	2	1	1
035	TP118 0.2-0.3	2	1	1
036	TP118 0.7-0.8	2	1	1
037	TP119 0.5-0.6	2	1	1
038	TP119 0.9-1.0	2	1	1
039	TP120 0.2-0.3	2	1	1
040	TP120 0.7-0.8	2	1	1
041	TP121 0.2-0.3	2	1	1
042	TP121 0.5-0.6	2	1	1
043	TP122 0.4-0.5	2	1	1
044	TP122 0.9-1.0	2	1	1
045	TP123 0.2-0.3	2	1	1
046	TP123 0.6-0.7	2	1	1
047	TP124 0.5-0.6	2	1	1
048	TP124 0.9-1.0	2	1	1

CONTINUED OVERLEAF

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SAMPLE RECEIPT ADVICE

SE197697

CLIENT DETAILS

Client Geotech Testing Pty Ltd

Project 8599/18 Marsden Park

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
049	TP125 0.2-0.3	2	1	1
050	TP125 0.6-0.7	2	1	1
051	TP126 0.4-0.5	2	1	1
052	TP126 0.9-1.0	2	1	1
053	TP127 0.2-0.3	2	1	1
054	TP127 0.5-0.6	2	1	1
055	TP128 0.2-0.3	2	1	1
056	TP128 0.5-0.6	2	1	1
057	TP129 0.4-0.5	2	1	1
058	TP129 0.7-0.8	2	1	1
059	TP130 0.2-0.3	2	1	1
060	TP130 0.6-0.7	2	1	1
061	TP131 0.2-0.3	2	1	1
062	TP131 0.5-0.6	2	1	1
063	TP132 0.5-0.6	2	1	1
064	TP132 0.9-1.0	2	1	1
065	TP133 0.3-0.4	2	1	1
066	TP133 0.8-0.9	2	1	1
067	TP134 0.2-0.3	2	1	1
068	TP134 0.6-0.7	2	1	1
069	TP135 0.2-0.3	2	1	1
070	TP135 0.6-0.7	2	1	1
071	TP136 0.3-0.4	2	1	1
072	TP136 0.7-0.8	2	1	1

CONTINUED OVERLEAF

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SAMPLE RECEIPT ADVICE

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CLIENT DETAILS

Client Geotech Testing Pty Ltd

Project 8599/18 Marsden Park

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
073	TP137 0.5-0.6	2	1	1
074	TP137 0.9-1.0	2	1	1
075	TP138 0.2-0.3	2	1	1
076	TP138 0.5-0.6	2	1	1
077	TP139 0.2-0.3	2	1	1
078	TP139 0.5-0.6	2	1	1
079	TP140 0.5-0.6	2	1	1
080	TP140 0.8-0.9	2	1	1
081	TP141 0.2-0.3	2	1	1
082	TP141 0.6-0.7	2	1	1
083	TP142 0.2-0.3	2	1	1
084	TP142 0.6-0.7	2	1	1
085	TP143 0.4-0.5	2	1	1
086	TP143 0.7-0.8	2	1	1
087	TP144 0.5-0.6	2	1	1
088	TP144 0.8-0.9	2	1	1
089	TP145 0.2-0.3	2	1	1
090	TP145 0.6-0.7	2	1	1
091	TP146 0.4-0.5	2	1	1
092	TP146 0.7-0.8	2	1	1
093	TP147 0.2-0.3	2	1	1
094	TP147 0.5-0.6	2	1	1
095	TP148 0.4-0.5	2	1	1
096	TP148 0.7-0.8	2	1	1

CONTINUED OVERLEAF

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SAMPLE RECEIPT ADVICE

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CLIENT DETAILS

Client Geotech Testing Pty Ltd

Project 8599/18 Marsden Park

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
097	TP149 0.2-0.3	2	1	1
098	TP149 0.5-0.6	2	1	1
099	TP150 0.4-0.5	2	1	1
100	TP150 0.8-0.9	2	1	1
101	TP151 0.2-0.3	2	1	1
102	TP151 0.6-0.7	2	1	1
103	TP152 0.5-0.6	2	1	1
104	TP152 0.9-1.0	2	1	1
105	TP153 0.2-0.3	2	1	1
106	TP153 0.6-0.7	2	1	1
107	TP154 0.5-06	2	1	1
108	TP154 0.9-1.0	2	1	1
109	TP155 0.4-0.5	2	1	1
110	TP155 0.7-0.8	2	1	1
111	TP156 0.2-0.3	2	1	1
112	TP156 0.7-0.8	2	1	1
113	TP157 0.5-0.6	2	1	1
114	TP157 0.9-1.0	2	1	1
115	TP158 0.2-0.3	2	1	1
116	TP158 0.5-0.6	2	1	1
117	TP159 0.2-0.3	2	1	1
118	TP159 0.5-0.6	2	1	1
119	TP160 0.2-0.3	2	1	1
120	TP160 0.5-0.6	2	1	1

CONTINUED OVERLEAF

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SAMPLE RECEIPT ADVICE

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CLIENT DETAILS

Client Geotech Testing Pty Ltd

Project 8599/18 Marsden Park

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
121	TP161 0.4-0.5	2	1	1
122	TP161 0.7-0.8	2	1	1
123	TP162 0.5-0.6	2	1	1
124	TP162 0.9-1.0	2	1	1
125	TP163 0.2-0.3	2	1	1
126	TP163 0.6-0.7	2	1	1
127	TP164 0.3-0.4	2	1	1
128	TP164 0.6-0.7	2	1	1
129	TP165 0.2-0.3	2	1	1
130	TP165 0.5-0.6	2	1	1
131	TP166 0.4-0.5	2	1	1
132	TP166 0.8-0.9	2	1	1
133	TP167 0.2-0.3	2	1	1
134	TP167 0.6-0.7	2	1	1
135	TP168 0.5-0.6	2	1	1
136	TP168 0.8-0.9	2	1	1
137	TP169 0.3-0.4	2	1	1
138	TP169 0.6-0.7	2	1	1
139	TP170 0.4-0.5	2	1	1
140	TP170 0.9-1.0	2	1	1
141	TP171 0.2-0.3	2	1	1
142	TP171 0.5-0.6	2	1	1
143	TP172 0.3-0.4	2	1	1
144	TP172 0.9-1.0	2	1	1

CONTINUED OVERLEAF

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SAMPLE RECEIPT ADVICE

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CLIENT DETAILS

Client Geotech Testing Pty Ltd

Project 8599/18 Marsden Park

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
145	TP173 0.2-0.3	2	1	1
146	TP173 0.5-0.6	2	1	1
147	TP174 0.4-0.5	2	1	1
148	TP174 1.0-1.1	2	1	1
149	TP175 0.3-0.4	2	1	1
150	TP175 0.6-0.7	2	1	1
151	TP176 0.2-0.3	2	1	1
152	TP176 0.7-0.8	2	1	1
153	TP177 0.4-0.5	2	1	1
154	TP177 0.9-1.0	2	1	1
155	TP178 0.2-0.3	2	1	1
156	TP178 0.6-0.7	2	1	1
157	TP179 0.3-0.4	2	1	1
158	TP179 0.8-0.9	2	1	1
159	TP180 0.4-0.5	2	1	1
160	TP180 0.9-1.0	2	1	1
161	TP181 0.3-0.4	2	1	1
162	TP181 0.8-0.9	2	1	1
163	TP182 0.2-0.3	2	1	1
164	TP182 0.5-0.6	2	1	1
165	TP183 0.3-0.4	2	1	1
166	TP183 0.8-0.9	2	1	1
167	TP184 0.3-0.4	2	1	1
168	TP184 0.7-0.8	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 .

SAMPLE RECEIPT ADVICE

SE197697

CLIENT DETAILS

Client Geotech Testing Pty Ltd

Project 8599/18 Marsden Park

SUMMARY OF ANALYSIS

No.	Sample ID	Conductivity and TDS by Calculation - Soil	Moisture Content	pH in soil (1:5)
169	TP185 0.2-0.3	2	1	1
170	TP185 0.5-0.6	2	1	1
171	TP186 0.4-0.5	2	1	1
172	TP186 0.9-1.0	2	1	1
173	TP187 0.3-0.4	2	1	1
174	TP187 0.7-0.8	2	1	1
175	TP188 0.2-0.3	2	1	1
176	TP188 0.5-0.6	2	1	1
177	TP189 0.4-0.5	2	1	1
178	TP189 0.8-0.9	2	1	1
179	TP190 0.3-0.4	2	1	1
180	TP190 0.7-0.8	2	1	1
181	TP191 0.2-0.3	2	1	1
182	TP191 0.5-0.6	2	1	1
183	TP192 0.3-0.4	2	1	1
184	TP192 0.8-0.9	2	1	1
185	TP193 0.2-0.3	2	1	1
186	TP193 0.5-0.6	2	1	1
187	TP194 0.4-0.5	2	1	1
188	TP194 0.9-1.0	2	1	1
189	TP195 0.2-0.3	2	1	1
190	TP195 0.7-0.8	2	1	1

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