

Attachment B – Tables of results

	Mercury
	mg/kg
NEPM HIL-A Residential	40
NEPM HIL-C Recreational	80

	Mercury
	mg/kg
NEPM HIL-A Residential	40
NEPM HIL-C Recreational	80

Field ID	Sample Depth	Sampled Date	
BH01	0-0.05	10/02/2015	<0.1
BH01	0.4-0.5	10/02/2015	<0.1
BH02	0-0.05	10/02/2015	<0.1
BH02	0.4-0.5	10/02/2015	<0.1
BH03	0-0.05	10/02/2015	<0.1
BH03	0.4-0.5	10/02/2015	<0.1
BH04	0-0.05	10/02/2015	0.2
BH04	0.4-0.5	10/02/2015	0.2
BH05	0-0.05	10/02/2015	<0.1
BH05	0.4-0.5	10/02/2015	<0.1
BH06	0-0.05	10/02/2015	0.1
BH06	0.4-0.5	10/02/2015	<0.1
BH07	0-0.05	10/02/2015	<0.1
BH07	0.4-0.5	10/02/2015	0.1
BH08	0-0.05	10/02/2015	<0.1
BH08	0.4-0.5	10/02/2015	<0.1
BH09	0-0.05	10/02/2015	<0.1
BH09	0.4-0.5	10/02/2015	<0.1
BH10	0-0.05	10/02/2015	<0.1
BH10	0.4-0.5	10/02/2015	<0.1
BH11	0-0.05	10/02/2015	<0.1
BH11	0.4-0.5	10/02/2015	<0.1
BH12	0-0.05	10/02/2015	<0.1
BH12	0.4-0.5	10/02/2015	<0.1
BH13	0-0.05	11/02/2015	<0.1
BH13	0.4-0.5	11/02/2015	<0.1
BH14	0-0.05	11/02/2015	<0.1
BH14	0.4-0.5	11/02/2015	<0.1
BH15	0-0.05	11/02/2015	0.1
BH15	0.4-0.5	11/02/2015	<0.1
BH16	0-0.05	11/02/2015	<0.1
BH16	0.4-0.5	11/02/2015	<0.1
BH17	0-0.05	11/02/2015	<0.1
BH17	0.4-0.5	11/02/2015	<0.1
BH18	0-0.05	11/02/2015	<0.1
BH18	0.2-0.3	11/02/2015	<0.1
BH19	0-0.05	11/02/2015	0.1
BH19	0.4-0.5	11/02/2015	<0.1
BH20	0-0.05	11/02/2015	<0.1
BH20	0.2-0.3	11/02/2015	<0.1
BH21	0-0.05	11/02/2015	<0.1
BH21	0.4-0.5	11/02/2015	<0.1
BH22	0-0.05	11/02/2015	0.4
BH22	0.4-0.5	11/02/2015	<0.1

Field ID	Sample Depth	Sampled Date	
BH23	0-0.05	11/02/2015	<0.1
BH23	0.4-0.5	11/02/2015	<0.1
BH24	0-0.05	11/02/2015	<0.1
BH24	0.4-0.5	11/02/2015	<0.1
BH25	0-0.05	11/02/2015	<0.1
BH25	0.4-0.5	11/02/2015	<0.1
BH26	0-0.05	11/02/2015	0.1
BH26	0.4-0.5	11/02/2015	<0.1
BH27	0-0.05	11/02/2015	0.1
BH27	0.4-0.5	11/02/2015	<0.1
BH28	0-0.05	12/02/2015	<0.1
BH28	0.2-0.3	12/02/2015	0.1
BH29	0-0.05	12/02/2015	<0.1
BH29	0.4-0.5	12/02/2015	<0.1
BH30	0-0.05	12/02/2015	<0.1
BH30	0.4-0.5	12/02/2015	<0.1
BH31	0-0.05	12/02/2015	<0.1
BH31	0.4-0.5	12/02/2015	<0.1
BH32	0-0.05	12/02/2015	<0.1
BH32	0.4-0.5	12/02/2015	<0.1
BH33	0-0.05	12/02/2015	<0.1
BH33	0.4-0.5	12/02/2015	<0.1
BH34	0-0.05	12/02/2015	0.1
BH34	0.2-0.3	12/02/2015	0.6
BH35	0-0.05	12/02/2015	<0.1
BH35	0.3-0.4	12/02/2015	<0.1
BH36	0-0.05	12/02/2015	<0.1
BH36	0.4-0.5	12/02/2015	<0.1
BH37	0-0.05	12/02/2015	<0.1
BH37	0.3-0.4	12/02/2015	<0.1
BH38	0-0.05	12/02/2015	0.1
BH38	0.3-0.4	12/02/2015	0.2
BH39	0-0.05	12/02/2015	<0.1
BH39	0.3-0.4	12/02/2015	<0.1
BH40	0-0.05	12/02/2015	<0.1
BH40	0.4-0.5	12/02/2015	<0.1
BH41	0-0.05	13/02/2015	<0.1
BH41	0.4-0.5	13/02/2015	<0.1
BH42	0-0.05	13/02/2015	<0.1
BH42	0.4-0.5	13/02/2015	<0.1
BH43	0-0.05	13/02/2015	0.3
BH43	0.4-0.5	13/02/2015	<0.1
BH44	0-0.05	13/02/2015	<0.1
BH44	0.4-0.5	13/02/2015	<0.1

	Mercury
	mg/kg
NEPM HIL-A Residential	40
NEPM HIL-C Recreational	80

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NEPM HIL-C Recreational	80

Field ID	Sample Depth	Sampled Date	
BH45	0-0.05	13/02/2015	<0.1
BH45	0.4-0.5	13/02/2015	<0.1
BH46	0-0.05	13/02/2015	0.2
BH46	0.4-0.5	13/02/2015	0.2
BH47	0-0.05	13/02/2015	<0.1
BH47	0.4-0.5	13/02/2015	<0.1
BH48	0-0.05	13/02/2015	<0.1
BH48	0.1-0.2	13/02/2015	<0.1
BH49	0-0.05	13/02/2015	<0.1
BH49	0.4-0.5	13/02/2015	0.2
BH50	0-0.05	13/02/2015	<0.1
BH50	0.4-0.5	13/02/2015	<0.1
BH51	0-0.05	13/02/2015	<0.1
BH51	0.4-0.5	13/02/2015	<0.1
BH52	0-0.05	13/02/2015	0.1
BH52	0.4-0.5	13/02/2015	<0.1
BH53	0-0.05	13/02/2015	<0.1
BH53	0.4-0.5	13/02/2015	0.1
BH54	0-0.05	13/02/2015	0.3
BH54	0.4-0.5	13/02/2015	0.1
BH55	0-0.05	13/02/2015	0.8
BH55	0.4-0.5	13/02/2015	0.4
BH56	0-0.05	13/02/2015	0.8
BH56	0.3-0.4	13/02/2015	0.2
BH57	0-0.05	13/02/2015	4.7
BH57	0.4-0.5	13/02/2015	0.7
BH58	0-0.05	13/02/2015	0.8
BH58	0.4-0.5	13/02/2015	<0.1
BH59	0-0.05	13/02/2015	<0.1
BH59	0.4-0.5	13/02/2015	<0.1
BH60	0-0.05	13/02/2015	0.2
BH60	0.1-0.2	13/02/2015	0.1
BH61	0-0.05	13/02/2015	0.2
BH61	0.4-0.5	13/02/2015	0.2
BH62	0-0.05	13/02/2015	<0.1
BH62	0.4-0.5	13/02/2015	<0.1
BH63	0-0.05	17/02/2015	<0.1
BH63	0.4-0.5	17/02/2015	<0.1
BH64	0-0.05	17/02/2015	0.1
BH64	0.4-0.5	17/02/2015	<0.1
BH65	0-0.05	17/02/2015	<0.1
BH65	0.4-0.5	17/02/2015	0.2
BH66	0-0.05	17/02/2015	<0.1
BH66	0.4-0.5	17/02/2015	<0.1

Field ID	Sample Depth	Sampled Date	
BH67	0-0.05	17/02/2015	<0.1
BH67	0.4-0.5	17/02/2015	<0.1
BH68	0-0.05	17/02/2015	0.3
BH68	0.4-0.5	17/02/2015	<0.1
BH69	0-0.05	17/02/2015	0.2
BH69	0.4-0.5	17/02/2015	0.1
BH70	0-0.05	17/02/2015	<0.1
BH70	0.3-0.4	17/02/2015	0.1
BH71	0-0.05	17/02/2015	1.7
BH71	0.4-0.5	17/02/2015	<0.1
BH72	0-0.05	17/02/2015	0.2
BH72	0.4-0.5	17/02/2015	2.7
BH73	0-0.05	17/02/2015	<0.1
BH73	0.4-0.5	17/02/2015	<0.1
BH74	0-0.05	17/02/2015	0.1
BH74	0.4-0.5	17/02/2015	<0.1
BH75	0-0.05	17/02/2015	<0.1
BH75	0.4-0.5	17/02/2015	<0.1
BH76	0-0.05	17/02/2015	<0.1
BH76	0.4-0.5	17/02/2015	<0.1
BH77	0-0.05	19/02/2015	1
BH77	0.3-0.4	19/02/2015	2
BH78	0-0.05	19/02/2015	2.8
BH78	0.4-0.5	19/02/2015	2.3
BH79	0-0.05	19/02/2015	0.7
BH79	0.4-0.5	19/02/2015	0.7
BH80	0-0.05	19/02/2015	1.5
BH80	0.4-0.5	19/02/2015	0.6
BH81	0-0.05	19/02/2015	0.5
BH81	0.4-0.5	19/02/2015	<0.1
BH82	0-0.05	19/02/2015	0.8
BH82	0.4-0.5	19/02/2015	<0.1
BH83	0-0.05	19/02/2015	0.5
BH83	0.3-0.4	19/02/2015	0.2
BH84	0-0.05	19/02/2015	1.2
BH84	0.4-0.5	19/02/2015	0.1
BH85	0-0.05	19/02/2015	0.2
BH85	0.4-0.5	19/02/2015	<0.1
BH86	0-0.05	19/02/2015	0.2
BH86	0.4-0.5	19/02/2015	<0.1
BH87	0-0.05	19/02/2015	<0.1
BH87	0.4-0.5	19/02/2015	<0.1
BH88	0-0.05	19/02/2015	0.1
BH88	0.4-0.5	19/02/2015	<0.1

	Mercury
	mg/kg
NEPM HIL-A Residential	40
NEPM HIL-C Recreational	80

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	mg/kg
NEPM HIL-A Residential	40
NEPM HIL-C Recreational	80

Field ID	Sample Depth	Sampled Date	Mercury (mg/kg)
BH89	0-0.05	19/02/2015	<0.1
BH89	0.3-0.4	19/02/2015	0.1
BH90	0-0.05	19/02/2015	2.3
BH90	0.4-0.5	19/02/2015	<0.1
BH91	0-0.05	19/02/2015	0.2
BH91	0.4-0.5	19/02/2015	<0.1
BH92	0-0.05	19/02/2015	<0.1
BH92	0.4-0.5	19/02/2015	<0.1
BH93	0-0.05	19/02/2015	0.2
BH93	0.4-0.5	19/02/2015	<0.1
BH94	0-0.05	19/02/2015	0.3
BH94	0.4-0.5	19/02/2015	<0.1
BH100	0-0.05	20/02/2015	<0.1
BH100	0.3-0.4	20/02/2015	<0.1
BH101	0-0.05	20/02/2015	0.1
BH101	0.4-0.5	20/02/2015	<0.1
BH102	0-0.05	20/02/2015	0.1
BH102	0.4-0.5	20/02/2015	<0.1
BH103	0-0.05	20/02/2015	<0.1
BH103	0.4-0.5	20/02/2015	<0.1
BH104	0-0.05	20/02/2015	<0.1
BH104	0.4-0.5	20/02/2015	<0.1
BH105	0-0.05	20/02/2015	<0.1
BH105	0.2-0.3	20/02/2015	<0.1
BH106	0-0.05	20/02/2015	<0.1
BH106	0.4-0.5	20/02/2015	<0.1
BH95	0-0.05	20/02/2015	0.2
BH95	0.4-0.5	20/02/2015	<0.1
BH96	0-0.05	20/02/2015	<0.1
BH96	0.4-0.5	20/02/2015	<0.1
BH97	0-0.05	20/02/2015	<0.1
BH97	0.4-0.5	20/02/2015	<0.1
BH98	0-0.05	20/02/2015	<0.1
BH98	0.4-0.5	20/02/2015	<0.1
BH99	0-0.05	20/02/2015	<0.1
BH99	0.4-0.5	20/02/2015	<0.1
BH107	0-0.05	24/02/2015	0.2
BH107	0.4-0.5	24/02/2015	<0.1
BH108	0-0.05	24/02/2015	0.2
BH108	0.4-0.5	24/02/2015	<0.1
BH109	0-0.05	24/02/2015	0.3
BH109	0.4-0.5	24/02/2015	<0.1
BH110	0-0.05	24/02/2015	0.2
BH110	0.4-0.5	24/02/2015	<0.1

Field ID	Sample Depth	Sampled Date	Mercury (mg/kg)
BH111	0-0.05	24/02/2015	0.1
BH111	0.4-0.5	24/02/2015	<0.1
BH112	0-0.05	24/02/2015	<0.1
BH112	0.4-0.5	24/02/2015	<0.1
BH113	0-0.05	24/02/2015	<0.1
BH113	0.4-0.5	24/02/2015	<0.1
BH114	0-0.05	24/02/2015	0.1
BH114	0.4-0.5	24/02/2015	<0.1
BH115	0-0.05	24/02/2015	0.2
BH115	0.3-0.4	24/02/2015	<0.1
BH116	0-0.05	24/02/2015	0.2
BH117	0-0.05	24/02/2015	0.3
BH117	0.3-0.4	24/02/2015	0.2
BH118	0-0.05	24/02/2015	<0.1
BH118	0.4-0.5	24/02/2015	<0.1
BH119	0-0.05	24/02/2015	<0.1
BH119	0.4-0.5	24/02/2015	<0.1
BH120	0-0.05	24/02/2015	<0.1
BH120	0.4-0.5	24/02/2015	<0.1
BH121	0-0.05	24/02/2015	<0.1
BH121	0.4-0.5	24/02/2015	<0.1
BH122	0-0.05	24/02/2015	<0.1
BH122	0.4-0.5	24/02/2015	<0.1
BH123	0-0.05	24/02/2015	<0.1
BH123	0.4-0.5	24/02/2015	<0.1
BH124	0-0.05	24/02/2015	<0.1
BH124	0.4-0.5	24/02/2015	<0.1
BH125	0-0.05	24/02/2015	0.1
BH125	0.4-0.5	24/02/2015	<0.1
BH126	0-0.05	24/02/2015	<0.1
BH126	0.4-0.5	24/02/2015	<0.1
BH127	0-0.05	24/02/2015	<0.1
BH127	0.4-0.5	24/02/2015	<0.1
BH128	0-0.05	26/02/2015	<0.1
BH128	0.4-0.5	26/02/2015	<0.1
BH129	0-0.05	26/02/2015	0.3
BH129	0.3-0.4	26/02/2015	0.1
BH130	0-0.05	26/02/2015	0.3
BH130	0.2-0.3	26/02/2015	0.2
BH131	0-0.05	26/02/2015	<0.1
BH131	0.4-0.5	26/02/2015	0.1
BH132	0-0.05	26/02/2015	<0.1
BH132	0.4-0.5	26/02/2015	<0.1

	Mercury
	mg/kg
NEPM HIL-A Residential	40
NEPM HIL-C Recreational	80

	Mercury
	mg/kg
NEPM HIL-A Residential	40
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Field ID	Sample Depth	Sampled Date	Mercury (mg/kg)
BH133	0-0.05	26/02/2015	0.1
BH133	0.4-0.5	26/02/2015	<0.1
BH134	0-0.05	26/02/2015	<0.1
BH134	0.4-0.5	26/02/2015	<0.1
BH135	0-0.05	26/02/2015	0.2
BH135	0.4-0.5	26/02/2015	<0.1
BH136	0-0.05	26/02/2015	0.2
BH136	0.4-0.5	26/02/2015	<0.1
BH137	0-0.05	26/02/2015	<0.1
BH137	0.4-0.5	26/02/2015	<0.1
BH138	0-0.05	26/02/2015	<0.1
BH138	0.4-0.5	26/02/2015	<0.1
BH139	0-0.05	26/02/2015	<0.1
BH139	0.4-0.5	26/02/2015	<0.1
BH140	0-0.05	26/02/2015	0.2
BH140	0.4-0.5	26/02/2015	<0.1

Field ID	Sample Depth	Sampled Date	Mercury (mg/kg)
BH141	0-0.05	26/02/2015	<0.1
BH141	0.4-0.5	26/02/2015	<0.1
BH142	0-0.05	26/02/2015	0.1
BH142	0.4-0.5	26/02/2015	<0.1
BH143	0-0.05	26/02/2015	0.1
BH143	0.4-0.5	26/02/2015	<0.1
BH144	0-0.05	26/02/2015	<0.1
BH144	0.4-0.5	26/02/2015	<0.1
BH145	0-0.05	26/02/2015	3
BH145	0.4-0.5	26/02/2015	1.6
BH146	0-0.05	26/02/2015	0.1
BH146	0.4-0.5	26/02/2015	0.1
BH147	0-0.05	26/02/2015	<0.1
BH147	0.4-0.5	26/02/2015	<0.1
BH148	0-0.05	26/02/2015	<0.1
BH148	0.4-0.5	26/02/2015	<0.1

Statistical Summary Shallow Samples (0-0.05m)	
Number of Results	148.00
Number of Detects	63.00
Minimum Concentration	<0.1
Maximum Concentration	4.70
Average Concentration	0.24
Median Concentration	0.05
Standard Deviation	0.58
95% Upper confidence Limit	0.35

Statistical Summary Deep Samples (>0.05m)	
Number of Results	147.00
Number of Detects	31.00
Minimum Concentration	<0.1
Maximum Concentration	2.70
Average Concentration	0.14
Median Concentration	0.05
Standard Deviation	0.36
95% Upper confidence Limit	0.23

	Heavy Metals		Polyaromatic Hydrocarbons (PAHs)			Polychlorinated Biphenyls (PCB)
	Chromium (III+VI)	Lead	Naphthalene	Carcinogenic PAHs (as B(a)P TEQ)	PAHs (Sum of total)	PCBs (Sum of total)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	2	5	0.5	0.5	0.5	0.1
NEPM HIL-A Residential	100	300	3	3	300	1
NEPM HIL-C Recreational	300	600	NL	3	300	1

Field ID	Sample Dep	Sampled Date	Chromium (III+VI)	Lead	Naphthalene	Carcinogenic PAHs (as B(a)P TEQ)	PAHs (Sum of total)	PCBs (Sum of total)
BH59	0-0.05	13/02/2015	10	64	<0.5	<0.5	<0.5	<0.1
BH60	0-0.05	13/02/2015	2	21	<0.5	<0.5	<0.5	<0.1
BH61	0-0.05	13/02/2015	5	80	<0.5	<0.5	<0.5	<0.1
BH62	0-0.05	13/02/2015	6	52	<0.5	1	9.2	<0.1
BH81	0-0.05	19/02/2015	3	51	<0.5	<0.5	<0.5	<0.1
BH82	0-0.05	19/02/2015	12	111	<0.5	<0.5	3.3	<0.1
BH83	0-0.05	19/02/2015	5	62	<0.5	<0.5	1	<0.1
BH84	0-0.05	19/02/2015	7	124	<0.5	<0.5	1	<0.1
BH86	0-0.05	19/02/2015	5	82	<0.5	0.6	2.8	<0.1
BH92	0-0.05	19/02/2015	3	52	<0.5	1.3	8.6	<0.1
BH95	0-0.05	20/02/2015	8	45	<0.5	<0.5	<0.5	<0.1
BH108	0-0.05	24/02/2015	7	209	<0.5	2.6	19.9	<0.1
BH110	0-0.05	24/02/2015	3	25	<0.5	<0.5	<0.5	<0.1
BH111	0-0.05	24/02/2015	5	35	<0.5	<0.5	<0.5	<0.1
BH112	0-0.05	24/02/2015	5	60	<0.5	<0.5	<0.5	<0.1
BH114	0-0.05	24/02/2015	5	115	<0.5	<0.5	<0.5	<0.1
BH116	0-0.05	24/02/2015	5	75	<0.5	<0.5	<0.5	<0.1

Statistical Summary

Number of Results	17	17	17	17	17	17
Number of Detects	17	17	0	4	7	0
Minimum Concentration	2	21	<0.5	<0.5	<0.5	<0.1
Maximum Concentration	12	209	<0.5	2.6	19.9	<0.1
Average Concentration	5.6	74	0.25	0.51	2.8	0.05
Median Concentration	5	62	0.25	0.25	0.25	0.05
Standard Deviation	2.6	46	ID	0.62	5.2	ID
95% Upper Confidence Limit	6.7	96	ID	ID	ID	ID

ID = Insufficient Detectable Data for meaningful Statistical Analysis



Mercury Vapour			
Inside Pit	Surface Level	1m above surface	Comments
ng/m3	ng/m3	ng/m3	
WHO, 2003 - Tolerable long term inhalation	200	200	200
WHO, 2000 - Annual average	1000	1000	1000

Field ID	Sample Date	Temperature (°C)				
Pit01	5/02/2015	22			7	Drainage chane; discharge to estuary
Pit02	5/02/2015	22	27	30	31	
Pit03	5/02/2015	22	34	33	31	
Pit04	5/02/2015	22	31	31	31	
Pit05	5/02/2015	22			34	Could not access drainage channel
Pit06	5/02/2015	22		30	30	
Pit07	5/02/2015	22	25	24	26	
Pit08	5/02/2015	22	23	22	23	
Pit09	5/02/2015	22		20	20	Channel open to air
Pit10	5/02/2015	22	29	27	24	
Pit11	5/02/2015	22	32	30	29	
Pit12	5/02/2015	22			24	Inaccessable
Pit13	5/02/2015	22		25	23	Open drainage channel
Pit14	5/02/2015	22		22	22	
Pit15	5/02/2015	22	9	8	10	
Pit16	5/02/2015	22	16	13	18	
Pit17	5/02/2015	22	13	10	11	
Pit18	5/02/2015	22	27	20	15	
Pit19	5/02/2015	22	15	14	11	
Pit20	5/02/2015	22	19	13	11	
Pit21	5/02/2015	22	22	21		
Pit22	5/02/2015	22			15	Open drainage chanel, no access
Pit23	5/02/2015	22	17	13	8	
Pit24	5/02/2015	22	8	7	4	
Pit25	5/02/2015	22	24	17	12	
Pit26	5/02/2015	22	7	6	4	
Pit27	5/02/2015	22	9	7	6	
Pit28	5/02/2015	22		15	11	Unable to open grate
Pit29	5/02/2015	22			15	Channel inaccessible
BH01	10/02/2015	28		2	0	Baird Reserve
BH02	10/02/2015	28		4	1	Baird Reserve
BH03	10/02/2015	28		3	2	Barwon Cres Reserve
BH04	10/02/2015	28		11	14	Barwon Cres Reserve
BH05	10/02/2015	28		22	25	Barwon Cres Reserve
BH06	10/02/2015	30		1	1	Barwon Cres Reserve
BH07	10/02/2015	28		2	0	Barwon Cres Reserve
BH08	10/02/2015	28		3	4	Barwon Cres Reserve
BH09	10/02/2015	28		5	2	Franklin St Reserve
BH10	10/02/2015	28		11	18	Franklin St Reserve
BH11	10/02/2015	28		46	41	Rabaul Reserve
BH12	10/02/2015	28		1	1	Rabaul Reserve
BH13	11/02/2015	31		12	7	Nagle Park
BH14	11/02/2015	31		10	10	Nagle Park
BH15	11/02/2015	28		3	2	Nagle Park
BH16	11/02/2015	28		3	4	Nagle Park
BH17	11/02/2015	28		25	20	Nagle Park
BH18	11/02/2015	28		8	6	Nagle Park
BH19	11/02/2015	36		27	39	Hefron Park



Mercury Vapour			
Inside Pit	Surface Level	1m above surface	Comments
ng/m3	ng/m3	ng/m3	
WHO, 2003 - Tolerable long term inhalation	200	200	200
WHO, 2000 - Annual average	1000	1000	1000

Field ID	Sample Date	Temperature (°C)				
BH20	11/02/2015	36		24	22	Hefron Park
BH21	11/02/2015	36		6	4	Hefron Park
BH22	11/02/2015	36		27	22	Hefron Park
BH23	11/02/2015	36		31	29	Hefron Park
BH24	11/02/2015	36		27	23	Hefron Park
BH25	11/02/2015	36		18	14	Hefron Park
BH26	11/02/2015	36		26	22	Hefron Park
BH27	11/02/2015	36		18	14	Hefron Park
BH28	12/02/2015	36		26	23	Hefron Park
BH29	12/02/2015	28		6	4	Hefron Park
BH30	12/02/2015	28		14	11	Hefron Park
BH31	12/02/2015	37		24	33	Hefron Park
BH32	12/02/2015	36		18	12	Hefron Park
BH33	12/02/2015	36		22	18	Hefron Park
BH34	12/02/2015	35		33	27	Pioneer Park
BH35	12/02/2015	37		53	40	Pioneer Park
BH36	12/02/2015	37		59	36	Pioneer Park
BH37	12/02/2015	37		10	8	Pioneer Park
BH38	12/02/2015	40		57	52	Pioneer Park
BH39	12/02/2015	36		1	2	Pioneer Park
BH40	12/02/2015	36		12	9	Pioneer Park
BH41	13/02/2015	25		8	10	Sir Joseph Banks Park
BH42	13/02/2015	25		4	5	Sir Joseph Banks Park
BH43	13/02/2015	27		3	6	Sir Joseph Banks Park
BH44	13/02/2015	26		4	3	Sir Joseph Banks Park
BH45	13/02/2015	27		10	13	Sir Joseph Banks Park
BH46	13/02/2015	29		38	28	Garnet Jackson Reserve
BH47	13/02/2015	31		8	10	Garnet Jackson Reserve
BH48	13/02/2015	29		20	19	Garnet Jackson Reserve
BH49	13/02/2015	31		31	32	Garnet Jackson Reserve
BH50	13/02/2015	32		0	0	Garnet Jackson Reserve
BH51	13/02/2015	32		2	1	Mutch Park
BH52	13/02/2015	32		22	18	Mutch Park
BH53	13/02/2015	32		35	22	Mutch Park
BH54	13/02/2015	32		3	4	Mutch Park
BH55	13/02/2015	32		5	4	Mutch Park
BH56	13/02/2015	33		6	8	Mutch Park
BH57	13/02/2015	33		13	13	Mutch Park
BH58	13/02/2015	34		21	20	Mutch Park
BH59	13/02/2015	32		6	6	Rhodes Street Reserve
BH60	13/02/2015	33		2	3	Rhodes Street Reserve
BH61	13/02/2015	30		5	9	Rhodes Street Reserve
BH62	13/02/2015	30		17	18	Rhodes Street Reserve
BH63	17/02/2015	32		18	17	Muler Reserve
BH64	17/02/2015	32		15	13	Muler Reserve
BH65	17/02/2015	32		11	10	Jauncy PI Reserve
BH66	17/02/2015	32		8	7	Jauncy PI Reserve
BH67	17/02/2015	32		28	30	Grace Campbell Reserve 1



Mercury Vapour			
Inside Pit	Surface Level	1m above surface	Comments
ng/m3	ng/m3	ng/m3	
WHO, 2003 - Tolerable long term inhalation	200	200	200
WHO, 2000 - Annual average	1000	1000	1000

Field ID	Sample Date	Temperature (°C)				
BH68	17/02/2015	32		28	29	Grace Campbell Reserve 1
BH69	17/02/2015	32		24	26	Grace Campbell Reserve 2
BH70	17/02/2015	32		27	26	Grace Campbell Reserve 2
BH71	17/02/2015	32		15	19	Nielson St Reserve
BH72	17/02/2015	32		26	24	Nielson St Reserve
BH73	17/02/2015	32		54	54	Purcell Park
BH74	17/02/2015	32		56	59	Purcell Park
BH75	17/02/2015	32		39	36	Purcell Park
BH76	17/02/2015	32		65	66	Purcell Park
BH77	19/02/2015	24		6	12	Wentworth Ave
BH78	19/02/2015	24		4	4	Wentworth Ave
BH79	19/02/2015	24		22	23	Denison St
BH80	19/02/2015	24		2	0	Smith St
BH81	19/02/2015	26		10	6	Grace Campbell Cres
BH82	19/02/2015	27		7	9	Denison St
BH83	19/02/2015	25		8	7	Denison St
BH84	19/02/2015	26		28	30	Denison St
BH85	19/02/2015	28		22	16	Rhodes St
BH86	19/02/2015	30		21	18	Rhodes St
BH87	19/02/2015	32		17	12	Rhodes St
BH88	19/02/2015	32		1	0	Rhodes St
BH89	19/02/2015	30		1	0	Denison St
BH90	19/02/2015	36		16	16	Denison St
BH91	19/02/2015	36		14	11	Beauchamp Rd
BH92	19/02/2015	35		5	7	Beauchamp Rd
BH93	19/02/2015	35		5	32	Jennings St
BH94	19/02/2015	35		52	55	Beauchamp Rd
BH95	20/02/2015	27		19	30	Denison St
BH96	20/02/2015	27		0	0	Flint St
BH97	20/02/2015	27		29	28	Flint St
BH98	20/02/2015	27		20	16	Jauncey Pl
BH99	20/02/2015	27		48	46	Jauncey Pl
BH100	20/02/2015	26		39	37	Brittain Cres
BH101	20/02/2015	28		2	3	Brittain Cres
BH102	20/02/2015	33		48	48	Flack Ave
BH103	20/02/2015	33		63	61	Donovan Ave
BH104	20/02/2015	33		49	48	Donovan Ave
BH105	20/02/2015	33		48	49	Parer St
BH106	20/02/2015	33		40	40	Bunnerong Rd
BH107	24/02/2015	23		16	14	Rhodes St
BH108	24/02/2015	23		9	8	Rhodes St
BH109	24/02/2015	24		14	16	Nilson Ave
BH110	24/02/2015	24		39	38	Nilson Ave
BH111	24/02/2015	28		39	12	Nilson Ave
BH112	24/02/2015	28		16	14	Grace Campbell Cres
BH113	24/02/2015	28		18	14	Grace Campbell Cres
BH114	24/02/2015	26		25	18	Grace Campbell Cres
BH115	24/02/2015	25		1	0	Grace Campbell Cres



Mercury Vapour			
Inside Pit	Surface Level	1m above surface	Comments
ng/m3	ng/m3	ng/m3	
WHO, 2003 - Tolerable long term inhalation	200	200	200
WHO, 2000 - Annual average	1000	1000	1000

Field ID	Sample Date	Temperature (°C)				
BH116	24/02/2015	26		5	5	Grace Campbell Cres
BH117	24/02/2015	24		8	8	Beauchamp Rd
BH118	24/02/2015	24		12	10	Bunnerong Rd
BH119	24/02/2015	24		29	26	Jersey Rd
BH120	24/02/2015	27		11	13	Jersey Rd
BH121	24/02/2015	26		19	15	Beauchamp Rd
BH122	24/02/2015	26		9	38	Bapaume Pde
BH123	24/02/2015	26		28	25	Hamel Rd
BH124	24/02/2015	26		23	21	Flanders Ave
BH125	24/02/2015	26		17	10	Knowles Ave
BH126	24/02/2015	28		33	26	Shirley Cres
BH127	24/02/2015	28		32	28	Shirley Cres
BH128	26/02/2015	24		73	72	Anthony Lane
BH129	26/02/2015	24		70	71	Anthony Lane
BH130	26/02/2015	25		67	66	Beauchamp Rd
BH131	26/02/2015	24		66	65	Daunt Ave
BH132	26/02/2015	25		63	64	Daunt Ave
BH133	26/02/2015	25		62	63	Pillars Pl
BH134	26/02/2015	26		61	63	Windsor St
BH135	26/02/2015	26		63	62	Hunter Ave
BH136	26/02/2015	25		64	65	Franklin St
BH137	26/02/2015	32		18	19	Stephen Rd
BH138	26/02/2015	34		32	34	Trevelyan St
BH139	26/02/2015	34		28	29	Brighton St
BH140	26/02/2015	25		70	72	Jennings St
BH141	26/02/2015	25		73	74	Perry St
BH142	26/02/2015	25		67	67	Harold St
BH143	26/02/2015	24		74	73	Harold St
BH144	26/02/2015	25		74	76	Harold St
BH145	26/02/2015	27		69	74	Bunnerong Rd
BH146	26/02/2015	27		66	68	Waterton Ave
BH147	27/02/2015	26		70	71	Murrabin Ave
BH148	27/02/2015	31		63	39	Partanna Ave

Statistical Summary				
Number of Results	19.00	172.00	176.00	
Number of Detects	19.00	172.00	176.00	
Minimum Concentration	7.00	0.00	0.00	
Maximum Concentration	34.00	74.00	76.00	
Average Concentration	20.37	24.35	23.33	
Median Concentration	22.00	19.50	18.00	
Standard Deviation	8.65	20.41	20.12	
95% Upper confidence Limit	23.81	31.13	29.34	

	Mercury	Methylmercury
	mg/kg	mg/kg
EQL	0.1	0.1
NEPM HIL-C Recreational	80	13
ANZECC ISQG Low (trigger value)	0.15	-
ANZECC ISQG High	1	-

Field ID	Sampled Date		
SED01	16/02/2015	<0.1	
SED02	16/02/2015	0.1	
SED03	16/02/2015	0.2	
SED04	16/02/2015	0.1	
SED05	16/02/2015	0.1	
SED06	16/02/2015	0.3	
SED07	16/02/2015	0.3	
SED08	16/02/2015	<0.1	
SED09	16/02/2015	<0.1	
SED10	16/02/2015	0.3	
SED11	16/02/2015	0.3	
SED12	16/02/2015	0.1	
SED13	16/02/2015	0.9	<0.10
SED14	16/02/2015	0.2	
SED15	16/02/2015	<0.1	
SED16	16/02/2015	0.1	
SED17	16/02/2015	0.4	
SED18	16/02/2015	0.5	<0.10
SED19	16/02/2015	<0.1	
SED20	16/02/2015	<0.1	

Statistical Summary		
Number of Results	20	2
Number of Detects	14	0
Minimum Concentration	<0.1	<0.1
Maximum Concentration	0.9	<0.1
Average Concentration	0.21	-
Median Concentration	0.1	0.05
Standard Deviation	0.21	-
95% Upper Confidence Limit	0.3	-



Table B5: QA/QC Results -
Intra laboratory Duplicates

45970 - Orica Mercury
Independent Review Stage 2

		Lab Field_ID Sampled_	ALS BH01 (0-0.05) 10/02/2015	ALS DUP1 10/02/2015	RPD	ALS BH12 (0-0.05) 10/02/2015	ALS DUP2 10/02/2015	RPD
ChemName	Units	EQL						
Mercury	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
		Lab Field_ID Sampled_	ALS BH24 (0-0.05) 11/02/2015	ALS DUP3 11/02/2015	RPD	ALS BH38 (0-0.05) 12/02/2015	ALS DUP4 12/02/2015	RPD
Mercury	mg/kg	0.1	<0.1	<0.1	0	0.1	0.1	0
		Lab Field_ID Sampled_	ALS BH54 0-0.05 13/02/2015	ALS DUP5 13/02/2015	RPD	ALS BH64 (0-0.05) 17/02/2015	ALS DUP6 17/02/2015	RPD
Mercury	mg/kg	0.1	0.3	0.4	29	0.1	0.1	0
		Lab Field_ID Sampled_	ALS SED07 16/02/2015	ALS SEDDUP1 16/02/2015	RPD	ALS BH72(0-0.05) 17/02/2015	ALS Dup7 17/02/2015	RPD
Mercury	mg/kg	0.1	0.3	0.3	0	0.2	<0.1	100
		Lab Field_ID Sampled_	ALS BH119 (0-0.05) 24/02/2015	ALS DUP9 24/02/2015	RPD	ALS BH139 (0-0.05) 26/02/2015	ALS DUP10 26/02/2015	RPD
Mercury	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
		Lab Field_ID Sampled_	ALS BH141 (0-0.05) 26/02/2015	ALS DUP11 26/02/2015	RPD	ALS BH144 (0-0.05) 26/02/2015	ALS DUP12 26/02/2015	RPD
Mercury	mg/kg	0.1	<0.1	0.1	0	<0.1	<0.1	0
		Lab Field_ID Sampled_	ALS BH146 (0-0.05) 26/02/2015	ALS DUP13 26/02/2015	RPD	ALS BH148 (0-0.05) 26/02/2015	ALS DUP14 26/02/2015	RPD
Mercury	mg/kg	0.1	0.1	0.1	0	<0.1	<0.1	0
		Lab Field_ID Sampled_	ALS BH86 (0-0.05) 19/02/2015	ALS DUP 8 19/02/2015	RPD			
Acenaphthene	mg/kg	0.5	<0.5	<0.5	0			
Acenaphthylene	mg/kg	0.5	<0.5	<0.5	0			
Anthracene	mg/kg	0.5	<0.5	<0.5	0			
Benz(a)anthracene	mg/kg	0.5	<0.5	0.8	46			
Benzo(a) pyrene	mg/kg	0.5	0.5	0.6	18			
Benzo(g,h,i)perylene	mg/kg	0.5	<0.5	<0.5	0			
Benzo(k)fluoranthene	mg/kg	0.5	<0.5	<0.5	0			
Chrysene	mg/kg	0.5	<0.5	0.7	33			
Benzo[b+j]fluoranthene	mg/kg	0.5	0.6	0.8	29			
Dibenz(a,h)anthracene	mg/kg	0.5	<0.5	<0.5	0			
B(a)P TEQ	mg/kg	0.5	0.6	0.8	29			
Fluoranthene	mg/kg	0.5	0.8	1.6	67			
Fluorene	mg/kg	0.5	<0.5	<0.5	0			
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	<0.5	<0.5	0			
Naphthalene	mg/kg	0.5	<0.5	<0.5	0			
PAHs (Sum of total)	mg/kg	0.5	2.8	7.5	91			
Phenanthrene	mg/kg	0.5	<0.5	1.4	95			
Pyrene	mg/kg	0.5	0.9	1.6	56			
PCBs (Sum of total)	mg/kg	0.1	<0.1	<0.1	0			
Mercury	mg/kg	0.1	0.2	0.2	0			
Chromium (III+VI)	mg/kg	2	5.0	3.0	50			
Lead	mg/kg	5	82.0	43.0	62			

*RPDs have only been considered where a concentration is greater than 0 times the EQL.

**High RPDs are in bold (Acceptable RPDs are: 100 (0-5 x EQL); 75 (5-10 x EQL); 30 (> 10 x EQL))

***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory



Table B6: QA/QC Results -
Inter laboratory Duplicates

45970 - Orica Mercury
Independent Review Stage 2

		Lab	ALS	Envirolab		ALS	Envirolab	
		Field_ID	BH01 (0-0.05)	Trip 1	RPD	BH12 (0-0.05)	Trip 2	RPD
		Sampled_	10/02/2015	10/02/2015		10/02/2015	10/02/2015	
ChemName	Units	EQL						
Mercury	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
		Lab	ALS	Envirolab		ALS	Envirolab	
		Field_ID	BH24 (0-0.05)	Trip 3	RPD	BH38 (0-0.05)	Trip 4	RPD
		Sampled_	11/02/2015	11/02/2015		12/02/2015	12/02/2015	
Mercury	mg/kg	0.1	<0.1	<0.1	0	0.1	0.1	0
		Lab	ALS	Envirolab		ALS	Envirolab	
		Field_ID	BH54 0-0.05	Trip 5	RPD	BH64 (0-0.05)	Trip 6	RPD
		Sampled_	13/02/2015	13/02/2015		17/02/2015	17/02/2015	
Mercury	mg/kg	0.1	0.3	0.4	29	0.1	0.1	0
		Lab	ALS	Envirolab		ALS	Envirolab	
		Field_ID	SED07	Sed Trip 1	RPD	BH72(0-0.05)	Trip7	RPD
		Sampled_	16/02/2015	16/02/2015			24/02/2015	
Mercury	mg/kg	0.1	0.3	0.2	40	0.2	0.2	0
		Lab	ALS	Envirolab		ALS	Envirolab	
		Field_ID	BH119 (0-0.05)	Trip9	RPD	BH139 (0-0.05)	Trip10	RPD
		Sampled_	24/02/2015	24/02/2015		26/02/2015	26/02/2015	
Mercury	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
		Lab	ALS	Envirolab		ALS	Envirolab	
		Field_ID	BH141 (0.4-0.5)	Trip11	RPD	BH144 (0.4-0.5)	Trip12	RPD
		Sampled_	26/02/2015	26/02/2015		26/02/2015	26/02/2015	
Mercury	mg/kg	0.1	<0.1	<0.1	0	<0.1	<0.1	0
		Lab	ALS	Envirolab		ALS	Envirolab	
		Field_ID	BH146 (0.4-0.5)	Trip13	RPD	BH148 (0.4-0.5)	Trip14	RPD
		Sampled_	26/02/2015	26/02/2015		26/02/2015	27/02/2015	
Mercury	mg/kg	0.1	0.1	<0.1	0	<0.1	<0.1	0
		Lab	ALS	Envirolab		ALS	Envirolab	
		Field_ID	BH86 (0-0.05)	Trip 8	RPD			
		Sampled_	19/02/2015	19/02/2015				
Acenaphthene	mg/kg	0.5 / 0.1	<0.5	<0.1	0			
Acenaphthylene	mg/kg	0.5 / 0.1	<0.5	<0.1	0			
Anthracene	mg/kg	0.5 / 0.1	<0.5	0.1	0			
Benz(a)anthracene	mg/kg	0.5 / 0.1	<0.5	0.5	0			
Benzo(a) pyrene	mg/kg	0.5 / 0.1	0.5	0.55	10			
Benzo(g,h,i)perylene	mg/kg	0.5 / 0.1	<0.5	0.4	0			
Benzo(k)fluoranthene	mg/kg	0.5	<0.5	-	-			
Chrysene	mg/kg	0.5 / 0.1	<0.5	0.5	0			
Benzo[b+j]fluoranthene	mg/kg	0.5	0.6	-	-			
Dibenz(a,h)anthracene	mg/kg	0.5 / 0.1	<0.5	<0.1	0			
B(a)P TEQ	mg/kg	0.5	0.6	0.7	15			
Fluoranthene	mg/kg	0.5 / 0.1	0.8	1.0	22			
Fluorene	mg/kg	0.5 / 0.1	<0.5	<0.1	0			
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5 / 0.1	<0.5	0.5	0			
Naphthalene	mg/kg	0.5 / 0.1	<0.5	<0.1	0			
PAHs (Sum of total)	mg/kg	0.5	2.8	5.9	71			
Phenanthrene	mg/kg	0.5 / 0.1	<0.5	0.4	0			
Pyrene	mg/kg	0.5 / 0.1	0.9	1.0	11			
PCBs (Sum of total)	mg/kg	0.1	<0.1	<0.7	0			
Mercury	mg/kg	0.1	0.2	0.2	0			
Chromium (III+VI)	mg/kg	2 / 1	5.0	5.0	0			
Lead	mg/kg	5 / 1	82.0	74.0	10			

*RPDs have only been considered where a concentration is greater than 0 times the EQL.

**High RPDs are in bold (Acceptable RPDs are: 100 (0-5 x EQL); 75 (5-10 x EQL); 30 (> 10 x EQL))

***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory