

Appendix N: Field Documentation

Field Equipment Calibration and Decontamination



PROJECT NAME: <i>Western Sydney Stadium.</i>	PROJECT NO: <i>51666</i>
FIELD DATES: <i>31/5/16</i>	FIELD STAFF: <i>P.P.</i>

CALIBRATION SUMMARY	
EQUIPMENT:	<i>PID</i>
CALIBRATION STANDARD:	<i>0ppm 100ppm Isobutylene.</i>

DATE	TIME	READING (ppm)	COMMENTS
<i>31/5/16</i>	<i>7:35</i>	<i>0</i>	<i>cal successful</i>
		<i>100</i>	<i>cal successful.</i>

DECONTAMINATION SUMMARY			
EQUIPMENT: <i>SPA + rake</i>			
1. Was the equipment decontaminated appropriately prior to sampling at each location?	☒ Y	☐ N	☐ NA
2. Was excess soil removed by scraping, brushing or wiping with disposable towels?	☒ Y	☐ N	☐ NA
3. Was the equipment contaminated with grease, tar or similar material? If so, was the equipment steam cleaned or rinsed with pesticide-grade acetone:hexane?	☐ Y ☐ Y	☒ N ☐ N	☐ NA
4. Was phosphate-free detergent used to wash the equipment?	☐ Y	☐ N	☒ NA
5. Was the equipment rinsed with clean water?	☐ Y	☐ N	☒ NA
6. Was the equipment then rinsed with deionised water?	☐ Y	☐ N	☒ NA
7. Were all sample containers cleaned and acid or solvent washed prior to sample collection?	☐ Y	☐ N	☒ NA
WERE ANY ADDITIONAL DECONTAMINATION MEASURES REQUIRED? PROVIDE DETAILS. <i>New nitrile glove used for each sample. New tubing used for each push tube.</i>			

Multi Parameter Water Meter

Instrument YSI Quatro Pro Plus
Serial No. 10D101443



Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH	✓	
	2. mV	✓	
	3. EC	✓	
	4. D.O	✓	
	5. Temp	✓	
Alarms	Beeper		
	Settings		
Software	Version		
Data logger	Operation		
Download	Operation		
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Sensor	Serial no	Standard Solutions	Certified	Solution Bottle Number	Instrument Reading
1. pH 7.00		pH 7.00		NH1818	pH 7.05
2. pH 4.00		pH 4.00		NF1636	pH 4.40
3. pH 10.00		pH 10.00		NI1927	pH 9.50
4. mV		234.0mV		NI1774/NI1891	234.0mV
5. EC		2.76mS		NH1109	2.76mS
6. D.O		0.00ppm		3829	0.00ppm
7. Temp		20.1°C		MultiTherm	20.2°C

Calibrated by:

Joanna Wong

Calibration date:

7/06/2016

Next calibration due:

7/07/2016

Field Equipment Calibration and Decontamination



PROJECT NAME: Western Sydney Stadium	PROJECT NO: 51666
FIELD DATES: 10/6/16	FIELD STAFF: PP

CALIBRATION SUMMARY	
EQUIPMENT:	PED
CALIBRATION STANDARD:	0 ppm 100 ppm Iso butylene.

DATE	TIME	READING (ppm _v)	COMMENTS
10/6/16	07:20	0	cal successful
		100	cal successful

DECONTAMINATION SUMMARY			
EQUIPMENT: Rake + auger			
1. Was the equipment decontaminated appropriately prior to sampling at each location?	☒ Y	☐ N	☐ NA
2. Was excess soil removed by scraping, brushing or wiping with disposable towels?	☒ Y	☐ N	☐ NA
3. Was the equipment contaminated with grease, tar or similar material? If so, was the equipment steam cleaned or rinsed with pesticide-grade acetone:hexane?	☐ Y ☐ Y	☒ N ☐ N	☐ NA ☐ NA
4. Was phosphate-free detergent used to wash the equipment?	☐ Y	☐ N	☒ NA
5. Was the equipment rinsed with clean water?	☐ Y	☐ N	☒ NA
6. Was the equipment then rinsed with deionised water?	☐ Y	☐ N	☒ NA
7. Were all sample containers cleaned and acid or solvent washed prior to sample collection?	☐ Y	☐ N	☒ NA
WERE ANY ADDITIONAL DECONTAMINATION MEASURES REQUIRED? PROVIDE DETAILS.			
New nitrile glove used for each sample. New push tube used for each push tube.			

CALIBRATION SUMMARY	
EQUIPMENT:	PID
CALIBRATION STANDARD:	0 ppm, 100 ppm isobutylene

DECONTAMINATION SUMMARY			
EQUIPMENT: <u> rake + auger </u>			
1. Was the equipment decontaminated appropriately prior to sampling at each location?	<u>Y</u>	N	NA
2. Was excess soil removed by scraping, brushing or wiping with disposable towels?	<u>Y</u>	N	NA
3. Was the equipment contaminated with grease, tar or similar material? If so, was the equipment steam cleaned or rinsed with pesticide-grade acetone:hexane?	Y Y	<u>N</u> N	NA
4. Was phosphate-free detergent used to wash the equipment?	Y	N	<u>NA</u>
5. Was the equipment rinsed with clean water?	Y	N	<u>NA</u>
6. Was the equipment then rinsed with deionised water?	Y	N	<u>NA</u>
7. Were all sample containers cleaned and acid or solvent washed prior to sample collection?	Y	N	<u>NA</u>
WERE ANY ADDITIONAL DECONTAMINATION MEASURES REQUIRED? PROVIDE DETAILS. <u>New nitrile glove used for each sample. New tubing used for each push tube.</u>			

CALIBRATION SUMMARY	
EQUIPMENT:	PID
CALIBRATION STANDARD:	0ppm, 100ppm Isobutylene

DECONTAMINATION SUMMARY			
EQUIPMENT: <u>auger, rake</u>			
1. Was the equipment decontaminated appropriately prior to sampling at each location?	<u>Y</u>	N	NA
2. Was excess soil removed by scraping, brushing or wiping with disposable towels?	<u>Y</u>	N	NA
3. Was the equipment contaminated with grease, tar or similar material? If so, was the equipment steam cleaned or rinsed with pesticide-grade acetone:hexane?	Y Y	<u>N</u> N	NA
4. Was phosphate-free detergent used to wash the equipment?	Y	N	<u>NA</u>
5. Was the equipment rinsed with clean water?	Y	N	<u>NA</u>
6. Was the equipment then rinsed with deionised water?	Y	N	<u>NA</u>
7. Were all sample containers cleaned and acid or solvent washed prior to sample collection?	Y	N	<u>NA</u>
WERE ANY ADDITIONAL DECONTAMINATION MEASURES REQUIRED? PROVIDE DETAILS. <u>New nitrile glove used for each sample. New tube used for each push tube.</u>			

CALIBRATION SUMMARY	
EQUIPMENT:	WQM
CALIBRATION STANDARD:	pH, EC 2760, 20601

DECONTAMINATION SUMMARY			
EQUIPMENT: <u>IP.</u>			
1. Was the equipment decontaminated appropriately prior to sampling at each location?	<u>Y</u>	N	NA
2. Was excess soil removed by scraping, brushing or wiping with disposable towels?	Y	N	<u>NA</u>
3. Was the equipment contaminated with grease, tar or similar material? If so, was the equipment steam cleaned or rinsed with pesticide-grade acetone:hexane?	Y Y	<u>N</u> N	NA
4. Was phosphate-free detergent used to wash the equipment?	<u>Y</u>	N	NA
5. Was the equipment rinsed with clean water?	<u>Y</u>	N	NA
6. Was the equipment then rinsed with deionised water?	<u>Y</u>	N	NA
7. Were all sample containers cleaned and acid or solvent washed prior to sample collection?	Y	N	<u>NA</u>
WERE ANY ADDITIONAL DECONTAMINATION MEASURES REQUIRED? PROVIDE DETAILS. <u>New tubing + nitrile gloves used at each location application</u>			

Multi Parameter Water Meter

Instrument YSI Quatro Pro Plus
Serial No. 10D101443



Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Fuses	✓	
	Capacity	✓	
Switch/keypad	Operation	✓	
Display	Intensity	✓	
	Operation (segments)	✓	
Grill Filter	Condition	✓	
	Seal	✓	
PCB	Condition	✓	
Connectors	Condition	✓	
Sensor	1. pH	✓	
	2. mV	✓	
	3. EC	✓	
	4. D.O	✓	
	5. Temp	✓	
Alarms	Beeper		
	Settings		
Software	Version		
Data logger	Operation		
Download	Operation		
Other tests:			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

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1. pH 7.00		pH 7.00		NH1818	pH 7.05
2. pH 4.00		pH 4.00		NF1636	pH 4.40
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5. EC		2.76mS		NH1109	2.76mS
6. D.O		0.00ppm		3829	0.00ppm
7. Temp		20.1°C		MultiTherm	20.2°C

Calibrated by:

Joanna Wong

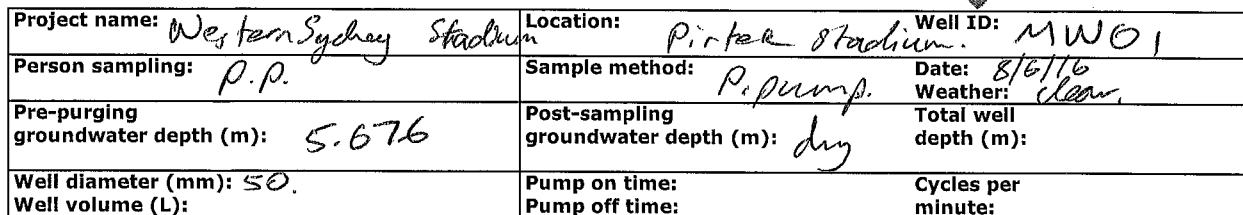
Calibration date:

7/06/2016

Next calibration due:

7/07/2016

FIELD RECORD SHEETS



Field Measurements

Comments (Odour, colour, turbidity, sheen etc)

No odour, clear, low turb, no glare..

Ran dry
sampled after
recharge

Were Metals Field Filtered?

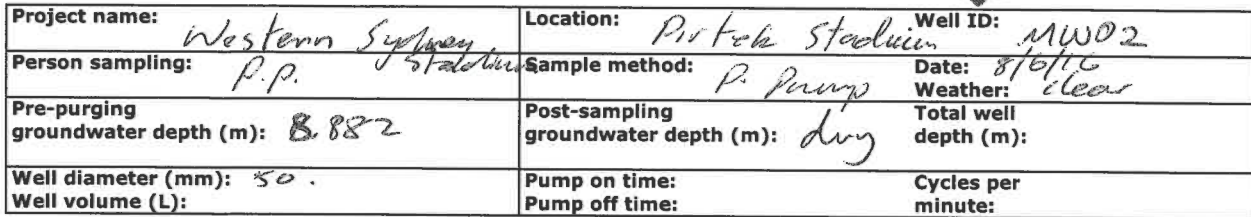
yes

Were QA/QC Samples Collected?

yes.

⁽¹⁾ These parameters may be considered stable when three consecutive readings (obtained several minutes apart) are within these levels.

FIELD RECORD SHEETS

[illegible]

No odour, cloudy light brown, high turb, no sheen

yes

no.

IMSO Forms010 - Groundwater Sampling

FIELD RECORD SHEETS



Project name: <i>Western Sydney Stadium</i>	Location: <i>Pirtek Stadium</i>	Well ID: <i>MW03</i>
Person sampling: <i>P.P.</i>	Sample method: <i>P. Pump.</i>	Date: <i>8/6/16</i> Weather: <i>clear</i>
Pre-purging groundwater depth (m): <i>5.916</i>	Post-sampling groundwater depth (m): <i>6.192</i>	Total well depth (m):
Well diameter (mm): <i>50</i> Well volume (L):	Pump on time: Pump off time:	Cycles per minute:

Field Measurements

[illegible]

No odour, cloudy white, mud-high turb, no shear.

yes.

No.

⁽¹⁾ These parameters may be considered stable when three consecutive readings (obtained several minutes apart) are within these levels.

FIELD RECORD SHEETS



Project name: <i>Western Sydney Stadium</i>	Location: <i>Pirtek Stadium</i>	Well ID: <i>MW04a</i>
Person sampling: <i>P.P.</i>	Sample method: <i>P.pump.</i>	Date: <i>21/6/16</i> Weather: <i>partly cloudy</i>
Pre-purging groundwater depth (m): <i>5.319 5.319</i>	Post-sampling groundwater depth (m): <i>5.326</i>	Total well depth (m):
Well diameter (mm): <i>50</i>	Pump on time:	Cycles per minute:
Well volume (L):	Pump off time:	

Field Measurements

[illegible]

Comments (Odour, colour, turbidity, sheen etc)

no odour, ~~clear~~, ^{cloudy brown} ~~low turb.~~, no sheen
mod. high turb.

Were Metals Field Filtered?

yes

Were QA/QC Samples Collected?

no.

⁽¹⁾ These parameters may be considered stable when three consecutive readings (obtained several minutes apart) are within these levels.

Source "Victorian Environmental Protection Authority, *Groundwater Sampling Guidelines*, Publication 669, April 2000".

Appendix O: Summary Laboratory Results Tables – Historical and Current Investigations



		Metals & Metalloids										Metals (Leachate)						TPHs (NEPC 1999)					TRHs (NEPC 2013)						BTEx					
		Arsenic (Total)	Cadmium	Chromium (Total)	Copper	Lead	Mercury (Inorganic)	Nickel	Zinc	Arsenic (Total)	Cadmium	Chromium (Total)	Copper	Lead	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Total)	>C10-C16 Fraction	>C16-C34 Fraction	>C34-C40 Fraction	C6-C10 Fraction	C6 - C10 less BTEx (F1)	>C10 - C16 less Naphthalene (F2)	Benzene	Ethylbenzene	Toluene	Xylene (m & p)	Xylene (o)	Xylene (Total)	
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		2.00	0.40	1.00	1.00	1.00	0.05	1.00	1.00	0.01	0.01	0.05	0.05	0.01	0.05	0.05	20.00	20.00	50.00	50.00	50.00	50.00	100.00	100.00	20.00	20.00	50.00	0.10	0.10	0.10	0.20	0.10	0.30	
NEPC 2013 EIL, EILs Aged Sediment (Site specific, public open space)		100		200	170	1100		85	500																									
NEPM 2013 EIL - Aged Sediment (Site specific, Commercial and Industrial)		160		320	230	1800		150	110																									
NEPM 2013 ESL Public Open Space, Fine Soil																						120	1300	5600	180	180	120	65	125	105			45	
NEPM 2013 ESL Commercial and Industrial, Fine Soil																						170	2500	6600	215	215	170	95	185	135			95	
NEPM 2013 Soil HIL C		300	90	300	17000	600	80	1200	30000																									
NEPM 2013 Soil HIL D		3000	900	3600	240000	1500	730	6000	400000																									
NEPM 2013 Mgmt Limits - Commercial and Industrial, Fine																						1000	5000	10000	800									
CRC Care 2011 HSL D for Direct Contact																						20,000	27,000	38,000	26,000			430	27,000	99,000			81,000	
CRC Care 2011 HSL C for Direct Contact																						3800	5300	7400	5100			120	5300	18,000			15,000	
NEPM 2013 Soil HSL C for Vapour Intrusion - Clay 0 to <1m																										nl	nl	nl	nl	nl				nl
NEPM 2013 Soil HSL D for Vapour Intrusion - Clay 0 to <1m																									310	nl	4	nl	nl					nl

Reference	Field ID	Sample Depth	Sample Date	4	<0.1	13	8	12	<0.05	2	15	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
WSP (2007)	C10_1.5	30/03/2007	E031203	4	<0.1	13	8	12	<0.05	2	15	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	C10_3.5	30/03/2007	E031203	6	<0.1	19	10	18	<0.05	2	20	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	C11	30/03/2007	E031203	2	<0.1	10	7	17	<0.05	5	26	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	C12	30/03/2007	E031203	4	<0.1	17	10	18	<0.05	3	10	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	C13	30/03/2007	E031203	3	<0.1	10	12	42	11	5	40	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	C14_0.5	30/03/2007	E031203	2	<0.1	13	6	14	<0.05	4	13	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	C14_1.5	30/03/2007	E031203	2	<0.1	7	2	6	<0.05	2	<5	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	DUP 1	30/03/2007	E031203	6	<0.1	21	10	15	<0.05	2	18	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	QC	30/03/2007	E031203	5	<0.1	12	8	12	<0.05	2	14	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	A1	21/06/2006	E027143	<1	<0.1	3	3	11	0.06	1	5	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	A2	21/06/2006	E027143	2	<0.1	8	7	15	<0.05	5	14	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	B1	21/06/2006	E027143	1	<0.1	4	2	6	<0.05	1	<5	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	B2	21/06/2006	E027143	1	0.2	19	27	52	0.09	21	85	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	B4	21/06/2006	E027143	2	<0.1	9	6	15	<0.05	6	14	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	B6	21/06/2006	E027143	3	<0.1	8	8	19	<0.05	2	20	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	B8	21/06/2006	E027143	2	<0.1	9	6	16	<0.05	7	15	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	B9	21/06/2006	E027143	1	<0.1	5	3	8	<0.05	2	5	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	C3	22/06/2006	E027143	4	<0.1	8	10	29	0.07	4	37	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	C4	21/06/2006	E027143	2	<0.1	5	2	8	<0.05	1	5	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	C5	21/06/2006	E027143	4	<0.1	9	11	52	0.26	4	35	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	C6	21/06/2006	E027143	3	<0.1	7	5	25	0.07	2	21	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	C7	21/06/2006	E027143	3	<0.1	7	4	16	<0.05	1	10	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	C8	22/06/2006	E027143	2	<0.1	7	3	9	<0.05	1	6	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	C9	22/06/2006	E027143	2	<0.1	6	4	8	<0.05	2	8	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	DUP1	22/06/2006	E027143	2	<0.1	8	4	10	<0.05	2	8	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
	DUP2	21/06/2006	E027143	2	<0.1	6	4	8	<0.05	2	9	-	-	-	-	-	-	<50	<100	<100	-	-	-	-	-	-	-	<0.2	<0.5	<0.5	<1	<0.5	-	
EIS (2014a) - E27070KHrpt dated 20 January 2014	BH1 0.4_0.5	3/12/2013	102018	9	<0.4	11	14	28	<0.1	6	110	-	-	-	-	-	-	<25	<50	<100	<100	-	<50	<100	<25	<100	<50	<25	<0.2	<1	<0.5	<2	<1	-
	BH2 0.1_0.2	3/12/2013	102018	<4	<0.4	9	47	2	<0.1	67	30	-	-	-	-	-	-	<25	<50	<100	<100	-	<50	<100	<25	<100	<50	<25	<0.2	<1	<0.5	<2	<1	-
	BH2 2.8_2.3	3/12/2013	102018	5	<0.4	15	11	38	<0.1	7	30	-	-	-	-	-	-	<25	<50	<100	<100	-	<50	<100	<25	<100	<50	<25	<0.2	<1	<0.5	<2	<1	-
	BH3 0.1_0.2	3/12/2013	102018	<4	<0.4	<1	4	<1	<0.1	6	3	-	-	-	-	-	-	<25	<50	<100	<100	-	<50	<100	<25	<100	<50	<25	<0.2	<1	<0.5	<2	<1	-
	BH4 0_0.1	4/12/2013	102018	11	<0.4	9	9	13	<0.1	5	27	-	-	-	-	-	-	<25	<50	<100	<100	-	<50	<100	<25	<100	<50	<25	<0.2	<1	<0.5	<2	<1	-
	BH4 4.3_4.5	4/12/2013	102018	6	<0.4	14	15	15	0.3	5	25	-	-	-	-	-	-	<25	<50	<100	<100	-	<50	<100	<25	<100	<50	<25	<0.2	<1	<0.5	<2	<1	-
	BH5 0.1_0.2	4/12/2013	102018	<4	<0.4	11	24	18	0.1	8	60	-	-	-	-	-	-	<25	<50	<100	<100	-	<50	<100	<25	<100	<50	<25	<0.2	<1	<0.5	<2	<1	-
	BH6 0.1_0.2	4/12/2013																																

Notes:
nl = non-limiting

Notes:
nl = non-limiting

[illegible]

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Notes:

nl = non-limiting

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	Chlor. Benzenes	Polychlorinated Biphenyls							Organochlorine Pesticides																										
	Hexachlorobenzene	Aroclor 1016	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	PCBs (Total)	4,4-DDE	Aldrin	Aldrin + Dieldrin (Sum of Total)	Dieldrin	alpha-BHC	DDD	beta-BHC	DDT	DDT+DDE+DDD (Sum of Total)	alpha-Chlordane	Chlordane	delta-BHC	gamma-Chlordane	Endosulfan alpha	Endosulfan beta	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Lindane	Methoxychlor	Toxaphene	
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.05	0.05		0.05	0.05	0.05	0.05	0.05			0.10	0.05		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.10	1.00	
NEPC 2013 EIL, EILs Aged Sediment (Site specific, public open space)																180																			
NEPM 2013 EIL - Aged Sediment (Site specific, Commercial and Industrial)																640																			
NEPM 2013 ESL Public Open Space, Fine Soil																																			
NEPM 2013 ESL Commercial and Industrial, Fine Soil																																			
NEPM 2013 Soil HIL C	10							1			10						400		70								20			10				400	30
NEPM 2013 Soil HIL D	80							7			45						3600		530								100			50				2500	160
NEPM 2013 Mgnt Limits - Commercial and Industrial, Fine																																			
CRC Care 2011 HSL D for Direct Contact																																			
CRC Care 2011 HSL C for Direct Contact																																			
NEPM 2013 Soil HSL C for Vapour Intrusion - Clay 0 to <1m																																			
NEPM 2013 Soil HSL D for Vapour Intrusion - Clay 0 to <1m																																			

Reference	Field ID	Sample Depth	Sample Date																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Notes:
nl = non-limiting



	Organophosphorous Pesticides																											
	Azinphos methyl	Bromophos-ethyl	Chlorpyrifos-methyl	Chlorpyrifos	Coumaphos	Demeton	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Ethion	Ethoprophos	Fenitrothion	Fensulfotthion	Fenthion	Malathion	Mevinphos	Monocrotophos	Parathion	Parathion methyl	Phorate	Profenofos	Prothiofos	Ronnel	Stirophos	Trichloronate	
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
EQL	0.50	0.10	0.10	0.50	0.50	1.00	0.50	0.50	0.50	0.50	0.50	0.10	0.10	0.50	0.10	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.10	0.50	0.50	0.10	0.10	
NEPC 2013 EIL, EILs Aged Sediment (Site specific, public open space)																												
NEPM 2013 EIL - Aged Sediment (Site specific, Commercial and Industrial)																												
NEPM 2013 ESL Public Open Space, Fine Soil																												
NEPM 2013 ESL Commercial and Industrial, Fine Soil																												
NEPM 2013 Soil HIL C				250																								
NEPM 2013 Soil HIL D				2000																								
NEPM 2013 Mgnt Limits - Commercial and Industrial, Fine																												
CRC Care 2011 HSL D for Direct Contact																												
CRC Care 2011 HSL C for Direct Contact																												
NEPM 2013 Soil HSL C for Vapour Intrusion - Clay 0 to <1m																												
NEPM 2013 Soil HSL D for Vapour Intrusion - Clay 0 to <1m																												

Reference	Field ID	Sample Depth	Sample Date																										
WSP (2007)	C10_1.5	30/03/2007	E031203	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	C10_3.5	30/03/2007	E031203	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	C11	30/03/2007	E031203	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	C12	30/03/2007	E031203	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	C13	30/03/2007	E031203	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	C14_0.5	30/03/2007	E031203	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	C14_1.5	30/03/2007	E031203	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	DUP1	30/03/2007	E031203	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	QC	30/03/2007	E031203	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	A1	21/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	A2	21/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	B1	21/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	B2	21/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	B4	21/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	B6	21/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	B8	21/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	B9	21/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	C3	22/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	C4	21/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	C5	21/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	C6	21/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	C7	21/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	C8	22/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	C9	22/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	DUP1	22/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
	DUP2	21/06/2006	E027143	<0.5	-	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	
EIS (2014a) - E27070KHrpt dated 20 January 2014	BH1 0.4_0.5	3/12/2013	102018	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-	-
	BH2 0.1_0.2	3/12/2013	102018	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-	-
	BH2 2.8_2.3	3/12/2013	102018	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-	-
	BH3 0.1_0.2	3/12/2013	102018	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-	-
	BH4 0_0.1	4/12/2013	102018	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-	-
	BH4 4.3_4.5	4/12/2013	102018	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-	-
	BH5 0.1_0.2	4/12/2013	102018	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-	-
	BH6 0.1_0.2	4/12/2013	102018	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-	-
	BH7 0_0.3	5/12/2013	102018	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-	-
	BH8 0.5_0.8	5/12/2013	102018	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-	-
	BH8 3.3_3.6	5/12/2013	102018	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-	-
	BH9 0.6_0.9	5/12/2013	102018	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-	-
	BH10 0.5_0.8	5/12/2013	102018	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-	-
	BH11 0_0.3	5/12/2013	102018	-	<0.1	<																							



	Organophosphorous Pesticides																											
	Azinphos methyl	Bromophos-ethyl	Chlorpyrifos-methyl	Chlorpyrifos	Coumaphos	Demeton	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Ethion	Ethoprophos	Fenitrothion	Fensulfthion	Fenthion	Malathion	Mevinphos	Monocrotophos	Parathion	Parathion methyl	Phorate	Profenofos	Prothiofos	Ronnel	Stirophos	Trichloronate	
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
EQL	0.50	0.10	0.10	0.50	0.50	1.00	0.50	0.50	0.50	0.50	0.50	0.10	0.10	0.50	0.10	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.10	0.50	0.50	0.10	0.10	
NEPC 2013 EIL, EILs Aged Sediment (Site specific, public open space)																												
NEPM 2013 EIL - Aged Sediment (Site specific, Commercial and Industrial)																												
NEPM 2013 ESL Public Open Space, Fine Soil																												
NEPM 2013 ESL Commercial and Industrial, Fine Soil																												
NEPM 2013 Soil HIL C				250																								
NEPM 2013 Soil HIL D				2000																								
NEPM 2013 Mgmt Limits - Commercial and Industrial, Fine																												
CRC Care 2011 HSL D for Direct Contact																												
CRC Care 2011 HSL C for Direct Contact																												
NEPM 2013 Soil HSL C for Vapour Intrusion - Clay 0 to <1m																												
NEPM 2013 Soil HSL D for Vapour Intrusion - Clay 0 to <1m																												

Reference	Field ID	Sample Depth	Sample Date	<0.5	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-
EIS (2014b) - E27070KH2rpt Dated 6 February 2014	C10_1.5	30/03/2007	E031203	<0.5	-	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-
	BH101 0_0.1	13/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	<0.1	-	-
	BH101 0.4_0.5	13/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH101 1.9_2.0	13/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH102 0.01_0.1	13/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH102 0.4_0.5	13/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH102 1.9_2.0	9/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH103 0.4_0.5	9/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH103 1.9_2.0	9/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH104 0_0.1	9/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH104 0.4_0.5	9/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH105 0_0.1	13/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH105 0.9_1.0	13/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH106 0.4_0.5	9/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH106 2.5_2.6	9/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH107 0.4_0.5	9/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH107 1.9_2	9/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH108 0.4_0.5	13/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH108 1.9_2.0	13/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH109 0.1_0.2	10/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH109 0.9_1.0	10/01/2014	103586	-	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	<0.1	-	-
	BH110 0_0.1	10/01/2014	103586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH110 0.5_0.6	10/01/2014	103586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH111 0_0.1	10/01/2014	103586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH111 0.5_0.6	10/01/2014	103586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EIS (2014c) - E27070KH2rpt2 dated 10 April 2014	BH201 0.3_0.5	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH201 1.5-1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH202 0.5-0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH202 1.5-1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH203 0_0.2	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH203 0.3_0.5	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH203 1.5_1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH204 0_0.2	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH204 0.5-0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH204 1.5_1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH205 0_0.2	21/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH205 0.5_0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH205 1.5_1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH206 0.3_0.5	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH206 0.5_0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH206 1.8_1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH207 0.5_0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH207 1.7_1.9	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH208 0.3_0.5	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH208 0.8_0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH208 1.2_1.4	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH209 0.3_0.5	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH209 0.5_0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH209 1.8_1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH210 0.5_0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BH210 1_1.5	20/03/2014	107001</																								

[illegible]



	Asbestos									
	Approx. Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass Asbestos in AF	Mass Asbestos in FA & AF	Asbestos from FA & AF in Soil
	g	g	g	%w/w	g	g	g	g	g	%w/w
EQL										
NEPM 2013 HSL Asbestos in Soil - Bonded ACM - Commercial/Industrial - HSL D				0.05						
NEPM 2013 HSL Asbestos in Soil - Bonded ACM - Recreational - HSL C				0.02						
NEPM 2013 HSL Asbestos in Soil - FA & AF - HSL										0.001

Field ID	Sample Depth	Sample Date	Lab Report No.										
WSP (2007)	C10_1.5	30/03/2007	E031203	-	-	-	-	-	-	-	-	-	-
	C10_3.5	30/03/2007	E031203	-	-	-	-	-	-	-	-	-	-
	C11	30/03/2007	E031203	-	-	-	-	-	-	-	-	-	-
	C12	30/03/2007	E031203	-	-	-	-	-	-	-	-	-	-
	C13	30/03/2007	E031203	-	-	-	-	-	-	-	-	-	-
	C14_0.5	30/03/2007	E031203	-	-	-	-	-	-	-	-	-	-
	C14_1.5	30/03/2007	E031203	-	-	-	-	-	-	-	-	-	-
	DUP 1	30/03/2007	E031203	-	-	-	-	-	-	-	-	-	-
	QC	30/03/2007	E031203	-	-	-	-	-	-	-	-	-	-
	A1	21/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	A2	21/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	B1	21/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	B2	21/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	B4	21/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	B6	21/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	B8	21/06/2006	E027143	-	-	-	ACM	-	-	-	-	-	-
	B9	21/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	C3	22/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	C4	21/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	C5	21/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	C6	21/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	C7	21/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	C8	22/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	C9	22/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	DUP1	22/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
	DUP2	21/06/2006	E027143	-	-	-	-	-	-	-	-	-	-
EIS (2014a) - E27070KHrpt dated 20 January 2014	BH1 0.4_0.5	3/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH2 0.1_0.2	3/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH2 2.8_2.3	3/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH3 0.1_0.2	3/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH4 0_0.1	4/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH4 4.3_4.5	4/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH5 0.1_0.2	4/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH6 0.1_0.2	4/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH7 0_0.3	5/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH8 0.5_0.8	5/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH8 3.3_3.6	5/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH9 0.6_0.9	5/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH10 0.5_0.8	5/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH11 0_0.3	5/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH11 1.3_1.5	5/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	DUP GF	5/12/2013	102018	-	-	-	-	-	-	-	-	-	-
	BH8 3.6_3.7	5/12/2013	102018	-	-	-	ACM	-	-	-	-	-	-
	BH8 5.2_5.4	5/12/2013	102018	-	-	-	ACM	-	-	-	-	-	-
EIS (2014b) - E27070KH2rpt Dated 6 February 2014	BH8 5.9_6.0	5/12/2013	102018	-	-	-	ACM	-	-	-	-	-	-
	BH8 2.95_3	5/12/2013	102018	-	-	-	ACM	-	-	-	-	-	-
	BH10 4.4_4.5	5/12/2013	102018	-	-	-	ACM	-	-	-	-	-	-
	BH101 0_0.1	13/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH101 0.4_0.5	13/01/2014	103586	-	-	-	ACM	-	-	-	-	-	-
	BH101 1.9_2.0	13/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH102 0.01_0.1	13/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH102 0.4_0.5	13/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH102 1.9_2.0	9/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH103 0.4_0.5	9/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH103 1.9_2.0	9/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH104 0_0.1	9/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH104 0.4_0.5	9/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH105 0_0.1	13/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH105 0.9_1.0	13/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH106 0.4_0.5	9/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH106 2.5_2.6	9/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH107 0.4_0.5	9/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH107 1.9_2	9/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH108 0.4_0.5	13/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH108 1.9_2.0	13/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH109 0.1_0.2	10/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH109 0.9_1.0	10/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH110 0_0.1	10/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH110 0.5_0.6	10/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH111 0_0.1	10/01/2014	103586	-	-	-	-	-	-	-	-	-	-
	BH111 0.5_0.6	10/01/2014	103586	-	-	-	-	-	-	-	-	-	-



	Asbestos									
	Approx. Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass Asbestos in AF	Mass Asbestos in FA & AF	Asbestos from FA & AF in Soil
	g	g	g	%w/w	g	g	g	g	g	%w/w
EQL										
NEPM 2013 HSL Asbestos in Soil - Bonded ACM - Commercial/Industrial - HSL D				0.05						
NEPM 2013 HSL Asbestos in Soil - Bonded ACM - Recreational - HSL C				0.02						
NEPM 2013 HSL Asbestos in Soil - FA & AF - HSL										0.001

Field ID	Sample Depth	Sample Date	Lab Report No.										
EIS (2014c) - E27070KH2rpt2 dated 10 April 2014	BH201 0.3_0.5	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH201 1.5-1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH202 0.5-0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH202 1.5-1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH203 0_0.2	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH203 0.3_0.5	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH203 1.5_1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH204 0_0.2	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH204 0.5-0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH204 1.5_1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH205 0_0.2	21/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH205 0.5_0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH205 1.5_1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH206 0.3_0.5	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH206 0.5_0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH206 1.8_1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH207 0.5_0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH207 1.7_1.9	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH208 0.3_0.5	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH208 0.8_0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH208 1.2_1.4	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH209 0.3_0.5	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH209 0.5_0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH209 1.8_1.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH210 0.5_0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH210 1_1.5	20/03/2014	107001	-	-	-	ACM	-	-	-	-	-	-
	BH210 2.4_2.6	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH211 0.5-0.95	20/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH211 1_1.5	20/03/2014	107001	-	-	-	ACM	-	-	-	-	-	-
	BH211 1.5_1.95	20/03/2014	107001	-	-	-	ACM	-	-	-	-	-	-
	BH212 0.3_0.5	21/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH212 0.5_0.95	21/03/2014	107001	-	-	-	ACM	-	-	-	-	-	-
	BH212 1.5_1.95	21/03/2014	107001	-	-	-	-	-	-	-	-	-	-
	BH213 0.3_0.5	21/03/2014	107001	-	-	-	ACM	-	-	-	-	-	-
	BH213 0.5_0.95	21/03/2014	107001	-	-	-	-	-	-	-	-	-	-
JBS&G (2015)	TP01 0.3-0.5	18/03/2015	451006	602	0.0323	-	ACM	-	-	-	-	0.0008	<LOR
	TP02 0.3-0.5	18/03/2015	451006	605	<LOR	-	<LOR	-	-	-	-	<LOR	<LOR
	TP02 1.1-1.3	18/03/2015	451006	630	<LOR	-	<LOR	-	-	-	-	<LOR	<LOR
	TP03 0.3-0.5	18/03/2015	451006	682	0.0164	-	ACM	-	-	-	-	0.0004	<LOR
	TP04 0.3-0.5	18/03/2015	451006	319	<LOR	-	<LOR	-	-	-	-	<LOR	<LOR
	TP04 1.4-1.6	18/03/2015	451006	449	<LOR	-	<LOR	-	-	-	-	<LOR	<LOR
	TP05 0.3-0.5	18/03/2015	451006	391	<LOR	-	<LOR	-	-	-	-	<LOR	<LOR
	TP06 0.3-0.5	18/03/2015	451006	426	<LOR	-	<LOR	-	-	-	-	<LOR	<LOR
	TP07 0.3-0.5	18/03/2015	451006	545	<LOR	-	<LOR	-	-	-	-	<LOR	<LOR
	TP07 1.3-1.5	18/03/2015	451006	282	<LOR	-	<LOR	-	-	-	-	0.0002	Fibres
	TP08 0.3-0.5	18/03/2015	451006	429	0.0091	-	ACM	-	-	-	-	0.0003	<LOR
	TP09 0.3-0.5	18/03/2015	451006	415	<LOR	-	<LOR	-	-	-	-	<LOR	<LOR
	TP10 0.3-0.5	18/03/2015	451006	570	<LOR	-	<LOR	-	-	-	-	<LOR	<LOR
	CTP01 0-0.1	13/04/2015	453729	1028	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	CTP02 0.2-0.3	13/04/2015	453729	887	<LOR	<LOR	<LOR	<LOR	<LOR	0.0005	0.0005	0.0005	<LOR
	CTP03 0.4-0.5	13/04/2015	453729	916	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	CTP03 1.2-1.3	13/04/2015	453729	956	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	CTP04 0.2-0.3	13/04/2015	453729	903	<LOR	<LOR	<LOR	<LOR	<LOR	0.0008	0.0008	0.0008	<LOR
	CTP05 0.4-0.5	13/04/2015	453729	916	<LOR	<LOR	<LOR	0.5148	0.2059	<LOR	<LOR	0.2059	0.0225
	CTP05 1.9-2.0	13/04/2015	453729	1115	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP11 0.2-0.3	13/04/2015	453897	1057	<LOR	<LOR	<LOR	0.0091	0.0055	0.0013	0.0013	0.0068	<LOR
	TP11 1.4-1.5	13/04/2015	453714	1079	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP12 0-0.1	13/04/2015	453714	921	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP13 0.9-1.0	13/04/2015	453714	1195	<LOR	<LOR	<LOR	<LOR	<LOR	0.0019	0.0019	0.0019	<LOR
	TP14 0.7-0.8	13/04/2015	453897	982	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP14 1.4-1.5	13/04/2015	453714	1044	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP01-S 0.4-0.5	1/05/2015	456211	1121	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP01-S 1.2-1.3	1/05/2015	456211	956	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP02-S 0.4-0.5	1/05/2015	456211	1197	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP02-S 1.8-2.0	1/05/2015	456211	909	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP03-S 0.3-0.4	1/05/2015	456211	1040	<LOR	<LOR	<LOR	<LOR	<LOR	0.0034	0.0034	0.0034	<LOR
	TP03-S 1.0-1.1	1/05/2015	456211	869	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP01-W 0.4-0.5	1/05/2015	456211	1196	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP01-W 1.1-1.2	1/05/2015	456211	1013	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP01-W 2.0-2.2	1/05/2015	456211	1041	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP02-W 0.2-0.3	1/05/2015	456211	984	0.2334	0.0467	<LOR	0.0678	0.0678	0.0026	0.0026	0.0433	0.0044
	TP03-W 0.1-0.3	1/05/2015	456211	1534	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP03-W 0.6-0.7	1/05/2015	456211	1220	<LOR	<LOR	<LOR	0.0021	0.0017	<LOR	<LOR	0.0017	<LOR
	TP04-W 0.1-0.3	1/05/2015	456211	1517	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP05-W 0.3-0.4	1/05/2015	456211	1108	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR
	TP05-W 0.9-1.0	1/05/2015	456211	933	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR



	Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)						BTEX					
	Arsenic (Total)	Cadmium	Chromium (Total)	Copper	Lead	Mercury (Inorganic)	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Total)	>C10-C16 Fraction	>C16-C34 Fraction	>C34-C40 Fraction	C6-C10 Fraction	C6 - C10 less BTEX (F1)	>C10 - C16 less Naphthalene (F2)	Benzene	Ethylbenzene	Toluene	Xylene (m & p)	Xylene (o)	Xylene (Total)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	2.00	0.40	1.00	1.00	1.00	0.05	1.00	1.00	20.00	20.00	50.00	50.00	50.00	50.00	100.00	100.00	20.00	20.00	50.00	0.10	0.10	0.10	0.20	0.10	0.30
NEPC 2013 EIL, Aged Sediment (public open space)	100		200	170	1100		85	500																	
NEPM 2013 EIL - Aged Sediment (Commercial and Industrial)	160		320	230	1800		150	110																	
NEPM 2013 ESL Public Open Space, Fine Soil														120	1300	5600	180	180	120	65	125	105			45
NEPM 2013 ESL Commercial and Industrial, Fine Soil														170	2500	6600	215	215	170	95	185	135			95
NEPM 2013 Soil HIL C	300	90	300	17000	600	80	1200	30000																	
NEPM 2013 Soil HIL D	3000	900	3600	240000	1500	730	6000	400000																	
NEPM 2013 Mgmt Limits - Commercial and Industrial, Fine														1000	5000	10000	800								
CRC Care 2011 HSL D for Direct Contact														20,000	27,000	38,000	26,000			430	27,000	99,000			81,000
CRC Care 2011 HSL C for Direct Contact														3800	5300	7400	5100			120	5300	18,000			15,000
NEPM 2013 Soil HSL C for Vapour Intrusion - Clay 0 to <1m																		nl	nl	nl	nl	nl			nl
NEPM 2013 Soil HSL D for Vapour Intrusion - Clay 0 to <1m																		310	nl	4	nl	nl			nl

Field ID	Sample Depth	Sample Date	4.4	<0.4	18	7	16	<0.05	<5	11	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH01 0.9-1.0	0.9-1	10/06/2016	4.4	<0.4	18	7	16	<0.05	<5	11	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH03 0-0.1	0-0.1	10/06/2016	<2	<0.4	16	57	<5	<0.05	130	51	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH04 0-0.1	0-0.1	10/06/2016	2.7	<0.4	12	15	10	<0.05	26	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05 0-0.1	0-0.1	10/06/2016	<2	<0.4	13	41	6.6	<0.05	79	47	<20	<20	<50	<50	<50	<50	<100	580	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH07 0-0.1	0-0.1	10/06/2016	<2	<0.4	17	51	<5	<0.05	150	53	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH08 0-0.1	0-0.1	10/06/2016	<2	<0.4	9.8	62	<5	<0.05	70	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09 0-0.1	0-0.1	10/06/2016	<2	<0.4	11	51	<5	<0.05	100	42	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH10 0-0.1	0-0.1	10/06/2016	<2	<0.4	10	61	<5	<0.05	89	43	<20	<20	<50	280	280	<50	240	420	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH11 0-0.1	0-0.1	10/06/2016	<2	<0.4	8.2	56	<5	<0.05	73	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH12 0-0.1	0-0.1	10/06/2016	<2	<0.4	9.3	59	<5	<0.05	82	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH13 0-0.1	0-0.1	10/06/2016	<2	<0.4	7.7	49	<5	<0.05	62	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20160610-1	Duplicate of BH13 0-0.1	10/06/2016	<2	<0.4	5.8	47	<5	<0.05	50	30	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
QC20160610-1	Triplicate of BH13 0-0.1	10/06/2016	<4	<0.4	9	66	5	<0.1	58	36	<25	<50	<100	<100	-	<50	<100	100	<25	<25	<50	<0.2	<1	<0.5	<2	<1	-
BH14 0.9-1.0	0.9-1	10/06/2016	4.3	<0.4	9.3	<5	5.5	<0.05	<5	5.6	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH15 0-0.1	0-0.1	10/06/2016	<2	<0.4	8.9	93	6.8	<0.05	7.5	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH16 0.2-0.3	0.2-0.3	10/06/2016	4.4	<0.4	16	14	17	<0.05	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH17 0-0.1	0-0.1	10/06/2016	<2	<0.4	6.1	8.5	16	<0.05	6.2	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH18 0-0.1	0-0.1	10/06/2016	4.5	<0.4	20	15	18	<0.05	23	27	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH19 0.2-0.3	0.2-0.3	10/06/2016	2.5	<0.4	16	19	69	0.06	19	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH20 0-0.1	0-0.1	10/06/2016	<2	<0.4	<5	8.2	11	<0.05	<5	41	<20	<20	240	<50	240	<50	240	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
QA20160610-2	Duplicate of BH20 0-0.1	10/06/2016	<2	<0.4	5.5	7.3	11	<0.05	<5	41	<20	110	310	590	1010	71	880	190	<20	<20	71	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
QC20160610-2	Triplicate of BH20 0-0.1	10/06/2016	<4	<0.4	5	9	13	<0.1	4	47	<25	<50	<100	170	-	<50	210	<100	<25	<25	<50	<0.2	<1	<0.5	<2	<1	-
BH21 0-0.1	0-0.1	14/06/2016	<2	<0.4	<5	<5	<5	<0.05	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH22 0.2-0.3	0.2-0.3	14/06/2016	<2	<0.4	<5	170	<5	<0.05	<5	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH22 0.6-0.7	0.6-0.7	10/06/2016	<2	<0.4	<5	<5	<5	<0.05	<5	<5	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH22 0-0.1	0-0.1	10/06/2016	3.1	<0.4	<5	22	<5	<0.05	<5	12	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH22 1.5-1.6	1.5-1.6	14/06/2016	2.5	<0.4	5.8	<5	8.6	<0.05	<5	9.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH23 0-0.1	0-0.1	10/06/2016	<2	<0.4	<5	<5	<5	<0.05	<5	<5	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH24 0-0.1	0-0.1	14/06/2016	<2	<0.4	<5	<5	<5	<0.05	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH25 0-0.1	0-0.1	14/06/2016	<2	<0.4	<5	<5	<5	<0.05	<5	<5	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
QA20160614-1	Duplicate of BH25 0-0.1	14/06/2016	<2	<0.4	<5	<5	<5	<0.05	<5	<5	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
QC20160614-1	Triplicate of BH25 0-0.1	14/06/2016	<4	<0.4	<1	<1	1	<0.1	<1	2	<25	<50	<100	<100	-	<50	<100	<100	<25	<25	<50	<0.2	<1	<0.5	<2	<1	-
BH26 0-0.1	0-0.1	14/06/2016	2	<0.4	<5	8.1	<5	<0.05	<5	7.1	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH27 0-0.1	0-0.1	14/06/2016	2.1	<0.4	<5	<5	<5	<0.05	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH28 0-0.1	0-0.1	14/06/2016	2	<0.4	<5	<5	<5	<0.05	<5	<5	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH29 0-0.1	0-0.1	14/06/2016	2.2	<0.4	<5	6.7	<5	<0.05	<5	5.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table C: Soil Analytical Summary Table
Project Number: 51666
Project Name: Western Sydney Stadium ESA



	Metals & Metalloids								TPHs (NEPC 1999)					TRHs (NEPC 2013)						BTEX					
	Arsenic (Total)	Cadmium	Chromium (Total)	Copper	Lead	Mercury (Inorganic)	Nickel	Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Total)	>C10-C16 Fraction	>C16-C34 Fraction	>C34-C40 Fraction	C6-C10 Fraction	C6 - C10 less BTEX (F1)	>C10 - C16 less Naphthalene (F2)	Benzene	Ethylbenzene	Toluene	Xylene (m & p)	Xylene (o)	Xylene (Total)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	2.00	0.40	1.00	1.00	1.00	0.05	1.00	1.00	20.00	20.00	50.00	50.00	50.00	50.00	100.00	100.00	20.00	20.00	50.00	0.10	0.10	0.10	0.20	0.10	0.30
NEPC 2013 EIL, Aged Sediment (public open space)	100		200	170	1100		85	500																	
NEPM 2013 EIL - Aged Sediment (Commercial and Industrial)	160		320	230	1800		150	110																	
NEPM 2013 ESL Public Open Space, Fine Soil														120	1300	5600	180	180	120	65	125	105			45
NEPM 2013 ESL Commercial and Industrial, Fine Soil														170	2500	6600	215	215	170	95	185	135			95
NEPM 2013 Soil HIL C	300	90	300	17000	600	80	1200	30000																	
NEPM 2013 Soil HIL D	3000	900	3600	240000	1500	730	6000	400000																	
NEPM 2013 Mgmt Limits - Commercial and Industrial, Fine														1000	5000	10000	800								
CRC Care 2011 HSL D for Direct Contact														20,000	27,000	38,000	26,000			430	27,000	99,000			81,000
CRC Care 2011 HSL C for Direct Contact														3800	5300	7400	5100			120	5300	18,000			15,000
NEPM 2013 Soil HSL C for Vapour Intrusion - Clay 0 to <1m																		nl	nl	nl	nl	nl			nl
NEPM 2013 Soil HSL D for Vapour Intrusion - Clay 0 to <1m																		310	nl	4	nl	nl			nl

Field ID	Sample Depth	Sample Date																									
BH30 0.6-0.7	0.6-0.7	14/06/2016	3.8	<0.4	5.8	<5	5.3	<0.05	<5	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BH30 1.7-1.8	1.7-1.8	14/06/2016	4.6	<0.4	5.6	5.9	15	<0.05	<5	17	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH31 0-0.1	0-0.1	14/06/2016	2.4	<0.4	<5	8.7	<5	<0.05	<5	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH32 0-0.1	0-0.1	14/06/2016	2	<0.4	<5	8.7	<5	<0.05	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH33 0.6-0.7	0.6-0.7	14/06/2016	<2	<0.4	7.8	36	<5	<0.05	36	19	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH33 0-0.1	0-0.1	14/06/2016	2.2	<0.4	<5	<5	<5	<0.05	<5	<5	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
QA20160614-2	Duplicate of BH33 0-0.1	14/06/2016	2.1	<0.4	<5	<5	<5	<0.05	<5	<5	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
QC20160614-2	Triplicate of BH33 0-0.1	14/06/2016	<4	<0.4	1	<1	1	<0.1	<1	2	<25	<50	<100	<100	-	<50	<100	<100	<25	<25	<50	<0.2	<1	<0.5	<2	<1	-
BH34 0-0.1	0-0.1	14/06/2016	<2	<0.4	<5	<5	<5	<0.05	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH35 0-0.1	0-0.1	14/06/2016	<2	<0.4	<5	<5	<5	<0.05	<5	<5	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH36 0-0.1	0-0.1	14/06/2016	<2	<0.4	7.6	51	<5	<0.05	50	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH37 0.4-0.5	0.4-0.5	14/06/2016	3.5	<0.4	13	5.8	17	<0.05	6	13	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH37 0-0.1	0-0.1	14/06/2016	<2	<0.4	15	53	<5	<0.05	140	50	<20	<20	<50	86	86	<50	<100	160	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH38 0-0.1	0-0.1	15/06/2016	<2	<0.4	10	53	<5	<0.05	83	40	<20	<20	<50	<50	<50	<50	<100	110	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH39 0-0.1	0-0.1	14/06/2016	2.1	<0.4	19	230	8.3	<0.05	8.4	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH40 0-0.1	0-0.1	15/06/2016	<2	<0.4	12	60	<5	<0.05	97	46	<20	<20	<50	240	240	<50	120	470	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH41 0-0.1	0-0.1	14/06/2016	<2	<0.4	12	60	<5	<0.05	94	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH42 0-0.1	0-0.1	15/06/2016	<2	<0.4	13	67	<5	<0.05	100	48	<20	<20	55	330	385	<50	200	420	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH43 0-0.1	0-0.1	14/06/2016	<2	<0.4	14	70	<5	<0.05	86	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH44 0-0.1	0-0.1	14/06/2016	<2	<0.4	13	59	<5	<0.05	83	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH45 0.6-0.7	0.6-0.7	15/06/2016	3.1	<0.4	10	9.3	21	<0.05	5.2	24	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH45 0-0.1	0-0.1	15/06/2016	2.5	<0.4	15	43	9.8	<0.05	78	44	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH46 0-0.1	0-0.1	15/06/2016	3.1	<0.4	15	18	13	<0.05	33	27	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH47 0-0.1	0-0.1	14/06/2016	<2	<0.4	11	51	<5	<0.05	95	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH48 0-0.1	0-0.1	15/06/2016	<2	<0.4	17	55	<5	<0.05	92	48	<20	<20	<50	240	240	<50	160	300	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH49 0-0.1	0-0.1	14/06/2016	4.8	<0.4	15	6.2	15	<0.05	5.2	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH50 0-0.1	0-0.1	15/06/2016	2.2	<0.4	14	27	9	<0.05	34	32	<20	<20	<50	570	570	<50	210	1200	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH51 0-0.1	0-0.1	15/06/2016	3.6	<0.4	16	11	14	<0.05	15	27	<20	<20	<50	110	110	<50	<100	270	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
QA20160615-1	Duplicate of BH51 0-0.1	15/06/2016	2	<0.4	33	27	6.7	<0.05	63	46	<20	<20	<50	69	69	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
QC20160615-1	Triplicate of BH51 0-0.1	15/06/2016	<4	<0.4	17	9	16	<0.1	12	23	<25	<50	<100	<100	-	<50	<100	<100	<25	<25	<50	<0.2	<1	<0.5	<2	<1	-
BH52 0-0.1	0-0.1	15/06/2016	<2	<0.4	51	24	<5	<0.05	63	28	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
BH53 0-0.1	0-0.1	14/06/2016	4.2	<0.4	10	23	11	<0.05	38	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW01 0.2-0.3	0.2-0.3	31/05/2016	<2	<0.4	9.5	33	5	<0.05	60	28	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
MW02 0.2-0.3	0.2-0.3	31/05/2016	3.7	<0.4	9.5	8.8	12	<0.05	6.8	30	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
MW03 0.2-0.3	0.2-0.3	31/05/2016	<2	<0.4	5.5	11	11	<0.05	8.4	22	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3
MW04 0.2-0.3	0.2-0.3	31/05/2016	5.7	<0.4	17	18	22	<0.05	26	37	<20	<20	<50	<50	<50	<50	<100	<100	<20	<20	<50	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3

Notes:
nl = non-limiting

Table C: Soil Analytical Summary Table
Project Number: 51666
Project Name: Western Sydney Stadium ESA



	Polycyclic Aromatic Hydrocarbons																						Chlorinated Benzenes		Polychlorinated Biphenyls							
	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (lower bound) *	Benzo(a)pyrene TEQ (medium bound) *	Benzo(a)pyrene TEQ (upper bound) *	Benzo(b,j)fluoranthene	Benzo(b,k)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Carcinogenic PAHs as B(a)P TPE	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Total)	Total Positive PAHs	Hexachlorobenzene	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	PCBs (Total)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.10	0.10	0.10	0.10	0.05	0.50	0.50	0.50	0.50		0.10	0.50	0.10	0.10	0.10	0.10		0.10	0.10	0.10	0.10	0.50		0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.50
NEPC 2013 EIL, Aged Sediment (public open space)																			170													
NEPM 2013 EIL - Aged Sediment (Commercial and Industrial)																			370													
NEPM 2013 ESL Public Open Space, Fine Soil					0.7																											
NEPM 2013 ESL Commercial and Industrial, Fine Soil					1.4																											
NEPM 2013 Soil HIL C																						300		10								1
NEPM 2013 Soil HIL D																						4000		80								7
NEPM 2013 Mgmt Limits - Commercial and Industrial, Fine																																
CRC Care 2011 HSL D for Direct Contact																			11,000													
CRC Care 2011 HSL C for Direct Contact																			1900													
NEPM 2013 Soil HSL C for Vapour Intrusion - Clay 0 to <1m																			nl													
NEPM 2013 Soil HSL D for Vapour Intrusion - Clay 0 to <1m																			nl													

Field ID	Sample Depth	Sample Date	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
BH01 0.9-1.0	0.9-1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
BH03 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
BH04 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	
BH05 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
BH07 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
BH08 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	
BH09 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
BH10 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
BH11 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	
BH12 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	
BH13 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	
QA20160610-1	Duplicate of BH13 0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
QC20160610-1	Triplicate of BH13 0-0.1	10/06/2016	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.172	<0.1	<0.1	<0.1	<0.1	-	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH14 0.9-1.0	0.9-1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
BH15 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
BH16 0.2-0.3	0.2-0.3	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	
BH17 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	
BH18 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<1.21	<0.5	<0.5	1	1.1	3.3	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
BH19 0.2-0.3	0.2-0.3	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	
BH20 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
QA20160610-2	Duplicate of BH20 0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<5	-	<5	<5	<5	<5	<5	
QC20160610-2	Triplicate of BH20 0-0.1	10/06/2016	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.172	<0.1	<0.1	<0.1	<0.1	-	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	
BH21 0-0.1	0-0.1	14/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	
BH22 0.2-0.3	0.2-0.3	14/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	
BH22 0.6-0.7	0.6-0.7	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
BH22 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.05	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	
BH22 1.5-1.6	1.5-1.6	14/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	
BH23 0-0.1	0-0.1	10/06/2016	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.21	<0.5	<0.5	<0.5	<0.5	<0.5	-	&								

Table C: Soil Analytical Summary Table
Project Number: 51666
Project Name: Western Sydney Stadium ESA



	Polycyclic Aromatic Hydrocarbons																						Chlorinated Benzenes		Polychlorinated Biphenyls							
	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (lower bound) *	Benzo(a)pyrene TEQ (medium bound) *	Benzo(a)pyrene TEQ (upper bound) *	Benzo(b,j)fluoranthene	Benzo(b,k)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Carcinogenic PAHs as B(a)P TPE	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Total)	Total Positive PAHs	Hexachlorobenzene	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	PCBs (Total)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.10	0.10	0.10	0.10	0.05	0.50	0.50	0.50	0.50		0.10	0.50	0.10	0.10	0.10	0.10		0.10	0.10	0.10	0.10	0.50		0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.50
NEPC 2013 EIL, Aged Sediment (public open space)																			170													
NEPM 2013 EIL - Aged Sediment (Commercial and Industrial)																			370													
NEPM 2013 ESL Public Open Space, Fine Soil					0.7																											
NEPM 2013 ESL Commercial and Industrial, Fine Soil					1.4																											
NEPM 2013 Soil HIL C																						300		10								1
NEPM 2013 Soil HIL D																						4000		80								7
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CRC Care 2011 HSL D for Direct Contact																			11,000													
CRC Care 2011 HSL C for Direct Contact																			1900													
NEPM 2013 Soil HSL C for Vapour Intrusion - Clay 0 to <1m																			nl													
NEPM 2013 Soil HSL D for Vapour Intrusion - Clay 0 to <1m																			nl													

Field ID	Sample Depth	Sample Date																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Table C: Soil Analytical Summary Table
Project Number: 51666
Project Name: Western Sydney Stadium ESA

[illegible]

Field ID	Sample Depth	Sample Date																									
BH01 0.9-1.0	0.9-1	10/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	
BH03 0-0.1	0-0.1	10/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	
BH04 0-0.1	0-0.1	10/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05 0-0.1	0-0.1	10/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	
BH07 0-0.1	0-0.1	10/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	
BH08 0-0.1	0-0.1	10/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH09 0-0.1	0-0.1	10/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	
BH10 0-0.1	0-0.1	10/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	
BH11 0-0.1	0-0.1	10/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH12 0-0.1	0-0.1	10/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH13 0-0.1	0-0.1	10/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QA20160610-1	Duplicate of BH13 0-0.1	10/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	
QC20160610-1	Triplicate of BH13 0-0.1	10/06/2016	-	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	-	
BH14 0.9-1.0	0.9-1	10/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1	
BH15 0-0.1	0-0.1	10/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH16 0.2-0.3	0.2-0.3	10/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH17 0-0.1	0-0.1	10/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH18 0-0.1	0-0.1	10/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	&																	

Notes:
nl = non-limiting



	Phenols	Organochlorine Pesticides																								
	4,6-Dinitro-2-methylphenol	4,4-DDE	Aldrin	Aldrin + Dieldrin (Sum of Total)	Dieldrin	alpha-BHC	DDD	beta-BHC	DDT	DDT+DDE+DDD (Sum of Total)	alpha-Chlordane	Chlordane	delta-BHC	gamma-Chlordane	Endosulfan alpha	Endosulfan beta	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Lindane	Methoxychlor	Toxaphene	
																										mg/kg
EQL	0.50	0.05	0.05		0.05	0.05	0.05	0.05	0.05			0.10	0.05		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.10	1.00	
NEPC 2013 EIL, Aged Sediment (public open space)									180																	
NEPM 2013 EIL - Aged Sediment (Commercial and Industrial)									640																	
NEPM 2013 ESL Public Open Space, Fine Soil																										
NEPM 2013 ESL Commercial and Industrial, Fine Soil																										
NEPM 2013 Soil HIL C				10						400	70							20			10			400	30	
NEPM 2013 Soil HIL D				45						3600	530							100			50			2500	160	
NEPM 2013 Mgmt Limits - Commercial and Industrial, Fine																										
CRC Care 2011 HSL D for Direct Contact																										
CRC Care 2011 HSL C for Direct Contact																										
NEPM 2013 Soil HSL C for Vapour Intrusion - Clay 0 to <1m																										
NEPM 2013 Soil HSL D for Vapour Intrusion - Clay 0 to <1m																										

Field ID	Sample Depth	Sample Date																							
BH30 0.6-0.7	0.6-0.7	14/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH30 1.7-1.8	1.7-1.8	14/06/2016	<0.5	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH31 0-0.1	0-0.1	14/06/2016	<0.5	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH32 0-0.1	0-0.1	14/06/2016	<0.5	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH33 0.6-0.7	0.6-0.7	14/06/2016	<0.5	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH33 0-0.1	0-0.1	14/06/2016	<0.5	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
QA20160614-2	Duplicate of BH33 0-0.1	14/06/2016	<0.5	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
QC20160614-2	Triplicate of BH33 0-0.1	14/06/2016	-	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1
BH34 0-0.1	0-0.1	14/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH35 0-0.1	0-0.1	14/06/2016	<0.5	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH36 0-0.1	0-0.1	14/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH37 0.4-0.5	0.4-0.5	14/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH37 0-0.1	0-0.1	14/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH38 0-0.1	0-0.1	15/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH39 0-0.1	0-0.1	14/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH40 0-0.1	0-0.1	15/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH41 0-0.1	0-0.1	14/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH42 0-0.1	0-0.1	15/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH43 0-0.1	0-0.1	14/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH44 0-0.1	0-0.1	14/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH45 0.6-0.7	0.6-0.7	15/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH45 0-0.1	0-0.1	15/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH46 0-0.1	0-0.1	15/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH47 0-0.1	0-0.1	14/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH48 0-0.1	0-0.1	15/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH49 0-0.1	0-0.1	14/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH50 0-0.1	0-0.1	15/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH51 0-0.1	0-0.1	15/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
QA20160615-1	Duplicate of BH51 0-0.1	15/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
QC20160615-1	Triplicate of BH51 0-0.1	15/06/2016	-	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1
BH52 0-0.1	0-0.1	15/06/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
BH53 0-0.1	0-0.1	14/06/2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW01 0.2-0.3	0.2-0.3	31/05/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
MW02 0.2-0.3	0.2-0.3	31/05/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
MW03 0.2-0.3	0.2-0.3	31/05/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
MW04 0.2-0.3	0.2-0.3	31/05/2016	-	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.15	-	<0.1	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1

Table C: Soil Analytical Summary Table
Project Number: 51666
Project Name: Western Sydney Stadium ESA

[illegible][illegible]

Notes:
nl = non-limiting

Table C: Soil Analytical Summary Table
Project Number: 51666
Project Name: Western Sydney Stadium ESA

[illegible][illegible]

Notes:
nl = non-limiting

Field ID	Sample Depth	Sample Date
BH01 0.9-1.0	0.9-1	10/06/2016
BH03 0-0.1	0-0.1	10/06/2016
BH04 0-0.1	0-0.1	10/06/2016
BH05 0-0.1	0-0.1	10/06/2016
BH07 0-0.1	0-0.1	10/06/2016
BH08 0-0.1	0-0.1	10/06/2016
BH09 0-0.1	0-0.1	10/06/2016
BH10 0-0.1	0-0.1	10/06/2016
BH11 0-0.1	0-0.1	10/06/2016
BH12 0-0.1	0-0.1	10/06/2016
BH13 0-0.1	0-0.1	10/06/2016
QA20160610-1	Duplicate of BH13 0-0.1	10/06/2016
QC20160610-1	Triplicate of BH13 0-0.1	10/06/2016
BH14 0.9-1.0	0.9-1	10/06/2016
BH15 0-0.1	0-0.1	10/06/2016
BH16 0.2-0.3	0.2-0.3	10/06/2016
BH17 0-0.1	0-0.1	10/06/2016
BH18 0-0.1	0-0.1	10/06/2016
BH19 0.2-0.3	0.2-0.3	10/06/2016
BH20 0-0.1	0-0.1	10/06/2016
QA20160610-2	Duplicate of BH20 0-0.1	10/06/2016
QC20160610-2	Triplicate of BH20 0-0.1	10/06/2016
BH21 0-0.1	0-0.1	14/06/2016
BH22 0.2-0.3	0.2-0.3	14/06/2016
BH22 0.6-0.7	0.6-0.7	10/06/2016
BH22 0-0.1	0-0.1	10/06/2016
BH22 1.5-1.6	1.5-1.6	14/06/2016
BH23 0-0.1	0-0.1	10/06/2016
BH24 0-0.1	0-0.1	14/06/2016
BH25 0-0.1	0-0.1	14/06/2016
QA20160614-1	Duplicate of BH25 0-0.1	14/06/2016
QC20160614-1	Triplicate of BH25 0-0.1	14/06/2016
BH26 0-0.1	0-0.1	14/06/2016
BH27 0-0.1	0-0.1	14/06/2016
BH28 0-0.1	0-0.1	14/06/2016
BH29 0-0.1	0-0.1	14/06/2016

Table C: Soil Analytical Summary Table
Project Number: 51666
Project Name: Western Sydney Stadium ESA

[illegible][illegible]

Notes:
nl = non-limiting



Field ID	Field Asbestos Quantification							Laboratory Asbestos Quantification										Other	Other
	Approx. Volume of Soil	Approx Soil Mass	Mass ACM Quantified	Mass Asbestos in ACM	Asbestos from ACM in soil	Mass FA	Mass Asbestos in FA	Approx. Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass Asbestos in AF	Mass Asbestos in FA & AF	Asbestos from FA & AF in Soil	% Moisture 103oC	Moisture
	L	g	g	g	%W/W	g	g	g	g	g	%W/W	g	g	g	g	g	%W/W	%	%
EQL					0.05						0.05							1.00	
NEPM 2013 HSL Asbestos in Soil - Bonded ACM - Commercial/Industrial - HSL D					0.02						0.02								
NEPM 2013 HSL Asbestos in Soil - Bonded ACM - Recreational - HSL C																			
NEPM 2013 HSL Asbestos in Soil - FA & AF - HSL							0.001										0.001		

Field ID	Sample Depth (m)	Sample Date	Lab Report No.																			
BH01 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	578	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH02 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	749	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH03 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	777	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH04 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	681	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH04 1-2	1-2	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	540	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH05 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	664	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH06 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	690	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH07 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	701	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH08 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	755	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH09 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	745	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH10 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	784	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH10 1-2	1-2	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	734	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH11 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	705	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH11 1-2	1-2	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	729	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH12 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	740	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH12 1-2	1-2	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	651	<LOR	<LOR	<LOR	<LOR	<LOR	0.0706	0.0141	0.0141	0.0022	-	-
BH13 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	780	<LOR	<LOR	<LOR	<LOR	<LOR	0.0006	0.0006	0.0006	<LOR	-	-
QA20160610-1	Duplicate of BH13 0-1	10/06/2016	504746	-	-	-	-	-	-	-	789	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	6.1	-
QC20160610-1	Triplicate of BH13 0-1	10/06/2016	148594-A	-	-	-	-	-	-	-	760	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH14 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	615	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH14 1-2	1-2	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	627	<LOR	<LOR	<LOR	0.0734	0.044	<LOR	<LOR	0.044	0.007	-	-
BH15 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	637	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH16 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	898	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH17 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	639	<LOR	<LOR	<LOR	0.0063	0.0044	<LOR	<LOR	0.0044	<LOR	-	-
BH18 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	638	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH18 1-2	1-2	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	606	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH19 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	512	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH20 0-1	0-1	10/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	648	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
QA20160610-2	Duplicate of BH20 0-1	10/06/2016	504746	-	-	-	-	-	-	-	649	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	6.8	-
QC20160610-2	Triplicate of BH20 0-1	10/06/2016	148594-A	-	-	-	-	-	-	-	553	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH21 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	651	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH22 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	740	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH22 1-2	1-2	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	742	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH23 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	690	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH24 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	708	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH25 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	733	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
QA20160614-1	Duplicate of BH25 0-1	14/06/2016	504746	-	-	-	-	-	-	-	762	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	7.1	-
QC20160614-1	Triplicate of BH25 0-1	14/06/2016	148594-A	-	-	-	-	-	-	-	767	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH26 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	727	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH27 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	738	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-



EQL	Field Asbestos Quantification							Laboratory Asbestos Quantification										Other	Other
	Approx. Volume of Soil	Approx Soil Mass	Mass ACM Quantified	Mass Asbestos in ACM	Asbestos from ACM in soil	Mass FA	Mass Asbestos in FA	Approx. Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass Asbestos in AF	Mass Asbestos in FA & AF	Asbestos from FA & AF in Soil	% Moisture 103oC	Moisture
	L	g	g	g	%w/w	g	g	g	g	g	%w/w	g	g	g	g	g	%w/w	%	%
NEPM 2013 HSL Asbestos in Soil - Bonded ACM - Commercial/Industrial - HSL D					0.05						0.05							1.00	
NEPM 2013 HSL Asbestos in Soil - Bonded ACM - Recreational - HSL C					0.02						0.02								
NEPM 2013 HSL Asbestos in Soil - FA & AF - HSL							0.001										0.001		

Field ID	Sample Depth (m)	Sample Date	Lab Report No.																			
BH28 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	686	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH29 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	760	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH30 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	681	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH31 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	651	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH32 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	733	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH33 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	648	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
QA20160614-2	Duplicate of BH33 0-1	14/06/2016	504746	-	-	-	-	-	-	-	723	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	9.6	-
QC20160614-2	Triplicate of BH33 0-1	14/06/2016	148594-A	-	-	-	-	-	-	-	811	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH34 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	661	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH35 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	717	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH36 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	802	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH37 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	735	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH37 1-2	1-2	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	704	<LOR	<LOR	<LOR	<LOR	<LOR	0.0009	0.0009	0.0009	<LOR	-	-
BH38 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	774	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH39 0-1	0-1	14/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	717	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH40 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	704	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH41 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	713	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH42 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	901	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH43 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	761	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH44 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	643	<LOR	<LOR	<LOR	0.0067	0.0054	<LOR	<LOR	0.0054	<LOR	-	-
BH45 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	654	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH45 1-2	1-2	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	599	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH45 2-3	2-3	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	602	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH45 3-4	3-4	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	638	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH45 4-5	4-5	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	596	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH46 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	661	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH47 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	670	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH47 1-2	1-2	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	564	<LOR	<LOR	<LOR	0.0027	0.0016	<LOR	<LOR	0.0016	<LOR	-	-
BH48 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	793	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH49 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	696	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH50 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	662	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH51 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	638	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
QA20160615-1	Duplicate of BH51 0-1	15/06/2016	504746	-	-	-	-	-	-	-	685	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	8.5	-
QC20160615-1	Triplicate of BH51 0-1	15/06/2016	148594-A	-	-	-	-	-	-	-	719	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
BH52 0-1	0-1	15/06/2016	504746	10	16300	No ACM observed	-	0	No FA observed	-	743	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	-	-
MW01 0.2-0.3	0.2-0.3	31/05/2016	503133	10	16300	No ACM observed	-	0	No FA observed	-	508	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	10	-
MW02 0.2-0.3	0.2-0.3	31/05/2016	503133	10	16300	No ACM observed	-	0	No FA observed	-	527	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	19	-
MW03 0.2-0.3	0.2-0.3	31/05/2016	503133	10	16300	No ACM observed	-	0	No FA observed	-	504	<LOR	<LOR	<LOR	<LOR	<LOR	0.0693	0.0208	0.0208	0.0041	6.5	-
MW04 0.2-0.3	0.2-0.3	31/05/2016	503133	10	16300	No ACM observed	-	0	No FA observed	-	577	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	12	-





	Metals & Metalloids											on-Metallic Inorgan	TPHs (NEPC 1999)					TRHs (NEPC 2013)					
	Arsenic (Total) (Filtered)	Cadmium (Filtered)	Chromium (Total) (Filtered)	Copper (Filtered)	Lead (Filtered)	Mercury (Inorganic) (Filtered)	Nickel (Filtered)	Zinc (Filtered)	Ammonia (as N)	Nitrate (as N)	Sulphate (as SO4)		C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Total)	>C10-C16 Fraction	>C16-C34 Fraction	>C34-C40 Fraction	C6-C10 Fraction	C6 - C10 less BTEX (F1)	>C10 - C16 less Naphthalene (F2)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02		0.01	0.05	0.10	0.10	0.10	0.05	0.10	0.10	0.01	0.01	0.05	
NEPM 2013 GIL - Drinking Water	0.01	0.002	0.05	2	0.01	0.001	0.02				500												
NEPM 2013 GIL - Fresh Waters		0.0002	0.001	0.0014	0.0034	0.00006	0.011	0.008	0.9														
ANZECC (2000) HMTV - HV 0.91 mg/L		0.0005	0.0025	0.0036	0.014		0.028	0.021															
NEPM 2013 Groundwater HSL D for Vapour Intrusion - Clay 2 to <4m																					nl	nl	
NEPM 2013 Groundwater HSL D for Vapour Intrusion - Clay 4 to <8m																					nl	nl	
NHMRC (2011) (as amended December 2014) (Factor 10) – Aesthetics				10				30			2500												
NHMRC (2011) (as amended December 2014) (Factor 10) – Health	0.1	0.02		20	0.1	0.01	0.2			225	5000												

Field ID	Well ID	Sample Date																					
MW01	MW01	8/06/2016	0.004	0.0001	<0.001	0.001	<0.001	<0.0001	0.01	0.017	0.14	1.7	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.02	<0.02
QA20160608-1	MW01 (Duplicate)	8/06/2016	0.004	0.0001	<0.001	<0.001	<0.001	<0.0001	0.009	0.015	0.13	2.1	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.02	<0.02
QC20160608-1	MW01 (Triplicate)	8/06/2016	0.004	<0.0001	<0.001	<0.001	<0.001	<0.00005	0.008	0.015	-	-	8	<0.01	<0.05	<0.1	<0.1	-	<0.05	<0.1	<0.1	<0.01	<0.01
MW02	MW02	8/06/2016	0.005	0.0002	0.003	0.023	<0.001	<0.0001	0.013	0.13	0.47	8.3	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.02	<0.02
MW03	MW03	8/06/2016	<0.001	0.0002	<0.001	0.002	<0.001	<0.0001	0.011	0.049	0.15	2.2	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.02	<0.02
MW04A	MW04A	21/06/2016	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.0001	0.008	0.031	0.03	-	-	<0.02	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.02	<0.02

Notes:
nl = non-limiting

Table E: Groundwater Analytical Summary Table
Project Number: 51666
Project Name: Western Sydney Stadium ESA



	BTEX						Naphthalene	Maior Cations								Maior Anion:		Ionic Balance							Other
	Benzene	Ethylbenzene	Toluene	Xylene (m & p)	Xylene (o)	Xylene (Total)	Naphthalene	Calcium	Calcium (Filtered)	Potassium	Potassium (Filtered)	Magnesium	Magnesium (Filtered)	Sodium	Sodium (Filtered)	Chloride	Sulphate (as S)	EC_Lab	Bicarbonate Alkalinity as CaCO3	Bicarbonate Alkalinity (as CaCO3)	Carbonate Alkalinity as CaCO3	Carbonate Alkalinity (as CaCO3)	pH_Lab	Total Alkalinity as CaCO3	Total Dissolved Solids
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	uS/cm	mg/L	mg/L	mg/L	mg/L	ph Units	mg/L	mg/L
EOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50		0.50		0.50		0.50		1.00	2.00			5.00		5.00	0.10		5.00
NEPM 2013 GIL - Drinking Water	0.001	0.3	0.8			0.6																			
NEPM 2013 GIL - Fresh Waters	0.95				0.35		0.016																		
ANZECC (2000) HMTV - HV 0.91 mg/L																									
NEPM 2013 Groundwater HSL D for Vapour Intrusion - Clay 2 to <4m	30	nl	nl			nl	nl																		
NEPM 2013 Groundwater HSL D for Vapour Intrusion - Clay 4 to <8m	30	nl	nl			nl	nl																		
NHMRC (2011) (as amended December 2014) (Factor 10) – Aesthetics		0.03	0.25			0.02								1800	1800	2500									6000
NHMRC (2011) (as amended December 2014) (Factor 10) – Health	0.001	0.3	0.8			6																			

Field ID	Well ID	Sample Date																									
MW01	MW01	8/06/2016	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	<0.01	55	-	8.4	-	30	-	96	-	93	<2	-	-	130	-	<5	7.3	-	320
QA20160608-1	MW01 (Duplicate)	8/06/2016	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	<0.01	56	-	8.4	-	30	-	97	-	73	<2	-	-	120	-	<5	6.9	-	320
QC20160608-1	MW01 (Triplicate)	8/06/2016	<0.001	<0.001	<0.001	<0.002	<0.001	-	<0.001	-	59	-	10	-	32	-	130	86	-	480	120	-	<5	-	7.5	120	-
MW02	MW02	8/06/2016	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	<0.01	41	-	66	-	10	-	30	-	<1	7.2	-	-	130	-	<5	6.7	-	370
MW03	MW03	8/06/2016	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	<0.01	6.1	-	1.5	-	17	-	190	-	320	11	-	-	13	-	<5	6.5	-	610
MW04A	MW04A	21/06/2016	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	<0.01	4.2	-	0.6	-	13	-	190	-	300	13	-	-	36	-	<5	5.3	-	550

Notes:
nl = non-limiting



Well ID	Easting	Northing	Date Measured	TOC	Depth to Water (8/06/2016)	Standing Water Level (8/06/2016)	Depth to Water (21/06/2016)	Standing Water Level (21/06/2016)	Dissolved Oxygen	Dissolved Oxygen	Electrical Conductivity	TDS	Redox Potential	pH	Temperature	Comments				
				m AHD	m BTOC	m AHD	m BTOC	m AHD	(ppm)	(%)	(uS/cm)	(mg/L)	(mV)			Odour	Colour	Turbidity	Sheen	Other
MW01	314760.35	6257322.34	8/06/2016	11.36	5.676	5.684	5.46	5.900	1.9	21.90	840	504	90	6.75	21.2	None observed	Clear	Low	None observed	Ran dry, sampled after recharge. QA/QC collected
MW02	314804.06	6257437.82	8/06/2016	13.22	8.882	4.338	9.256	3.964	2.53	26.7	427.6	257	119.1	6.16	18.2	None observed	Cloudy light brown	High	None observed	Well Dry during purging
MW03	314938.29	6257386.98	8/06/2016	12.62	5.916	6.704	5.941	6.679	0.74	8.90	1300	780	187	5.43	24.3	None observed	Cloudy white	Moderate-high	None observed	-
MW04a	314899.1	6257261.4	21/06/2016	12.02	N/A	N/A	5.319	6.701	2.49	26.10	431	259	141	6.41	17.9	None observed	Cloudy brown	Moderate-high	None observed	-

Notes:
ID = identification
mg/L = milligrams per litre
L = litres
uS/cm = microsiemen per centimetre
mV = millivolts
°C = degrees Celsius
TDS = based on 0.6 conversion factor from electrical conductivity

Appendix P: QA/QC Results

ESDAT QA Checker
Project:51666 updated
Filter: ALL

Overview Summary

[Count of Samples](#)
[Summary By Compound](#)
[Count of Results](#)

Holding Times

Holding Time Errors (0)

Blanks

[Field Blanks](#)
Detects in Lab Blanks (0)
SDG's without Storage Blanks (0)
SDG's without Method Blanks (0)

Duplicates

[Field and Interlab Duplicates](#)
[Lab Duplicates with high RPDs \(1\)](#)
Duplicate Samples with incorrect or missing Parent Samples (0)
Samples at the same Location/Depth/Time not specified as duplicates (0)

Surrogates

[Surrogate Variation > 30% or outside lab LCL or UCL \(41\)](#)

Lab Control Samples

SDG's without a Laboratory Control Sample (0)
Laboratory Control Samples, Error > 30% (0)

Certified and Standard Reference Materials

Certified Reference Materials - Error > 30% (0)

Matrix Spikes

SDG's without a Matrix Spike (0)
Trip Spikes with invalid Control Sample (0)
Less than 1 matrix spike in 20 samples, or less than 1 matrix duplicate in 20 samples (0)
Matrix Spike Recoveries less than 70% or greater than 130% or outside lab LCL or UCL (0)
Trip Spike Recoveries (70% - 130% is acceptable) (0)

Inorganic

Na + CL > TDS (0)
BOD > COD (0)
BOD > COD (0)

Other

Unit Conversion Problems (0)
OriginalChemNames Requiring Validation (0)
Samples with no Results (0)
[Samples associated with Wells which are not specified in the Well Table \(203\)](#)
Aborted Analysis (0)

[Contents](#)

Count of Samples

Matrix Type	SOIL	WATER
First Sample Date	31/05/2016	31/05/2016
Last Sample Date	15/06/2016	21/06/2016
Sampling Period (days)	16	22
Number of Samples Submitted	163	11
Number of Non QA Samples Submitted	151	4
Number of Field Blanks	0	1
Number of Trip Blanks	0	2
Number of Rinsates	0	2
Number of Field Duplicates	7	1
Number of Trip Spikes	0	0
Number of Lab Duplicates	22	3
Number of LCSs	25	33
Number of CRMs	0	0
Number of Method Blanks	21	30
Number of Storage Blanks	0	0
Number of Matrix Spikes	26	17
Number of Matrix Spike Dupes	0	0

Field Blanks (WATER)
Filter: ALL

SDG	503811	503811	504877	503133	505174
Field ID	TB	RINSATE	RINSATE	TB	TB
Sampled_Date/Time	7/06/2016	8/06/2016	15/06/2016	31/05/2016	9/06/2016
Sample Type	Field_B	Rinsate	Rinsate	Trip_B	Trip_B

Chem_Group	ChemName	Units	EQL					
BTEX	Benzene	mg/l	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Ethylbenzene	mg/l	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Toluene	mg/l	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Xylene (m & p)	mg/l	0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	Xylene (o)	mg/l	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Xylene (Total)	mg/l	0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Chlorinated Benzenes	Hexachlorobenzene	mg/l	0.0001			<0.0001		
Herbicides & Fungicides	2,4,5-T	mg/l	0.001			<0.002		
	2,4-D	mg/l	0.001			<0.002		
	2,4-DB	mg/l	0.001			<0.002		
	Dicamba	mg/l	0.001			<0.002		
	Dichloroprop	mg/l	0.001			<0.002		
	Dinoseb	mg/l	0.001			<0.002		
	Fenoprop	mg/l	0.001			<0.002		
	MCPA	mg/l	0.001			<0.002		
	MCPB	mg/l	0.001			<0.002		
	Mecoprop	mg/l	0.001			<0.002		
Ion Balance	Hydroxide Alkalinity (OH-) as CaCO3	mg/l	5					
	Ionic Balance	%						
Ionic Balance	EC_Lab	µS/cm	1					
	Bicarbonate Alkalinity as CaCO3	mg/l	5					
	Bicarbonate Alkalinity (as CaCO3)	mg/l	5		<5			
	Carbonate Alkalinity as CaCO3	mg/l	5					
	Carbonate Alkalinity (as CaCO3)	mg/l	5		<5			
	pH_Lab	pH units	0.1		7.2			
	Total Alkalinity as CaCO3	mg/l	5					
Major Anions	Chloride	mg/l	1		<1			
	Sulphate (as S)	mg/l	2		<2			
Major Cations	Calcium	mg/l	0.5		<0.5			
	Calcium (Filtered)	mg/l	0.5					
	Magnesium	mg/l	0.5		6.2			
	Magnesium (Filtered)	mg/l	0.5					
	Potassium	mg/l	0.5		1.1			
	Potassium (Filtered)	mg/l	0.5					
	Sodium	mg/l	0.5		17			
	Sodium (Filtered)	mg/l	0.5					
Metals & Metalloids	Arsenic (Total)	mg/l	0.001		<0.001	<0.001		
	Arsenic (Total) (Filtered)	mg/l	0.001					
	Cadmium	mg/l	0.0002		<0.0002	<0.0002		
	Cadmium (Filtered)	mg/l	0.0001					
	Chromium (Total)	mg/l	0.001		<0.001	<0.001		
	Chromium (Total) (Filtered)	mg/l	0.001					
	Copper	mg/l	0.001		<0.001	<0.001		
	Copper (Filtered)	mg/l	0.001					
	Lead	mg/l	0.001		<0.001	<0.001		
	Lead (Filtered)	mg/l	0.001					
	Mercury (Inorganic)	mg/l	0.0001		<0.0001	<0.0001		
	Mercury (Inorganic) (Filtered)	mg/l	0.00005					
	Nickel	mg/l	0.001		<0.001	<0.001		
	Nickel (Filtered)	mg/l	0.001					
	Zinc	mg/l	0.005		<0.005	<0.005		
	Zinc (Filtered)	mg/l	0.001					
Non-Metallic Inorganics	Ammonia (as N)	mg/l	0.01		<0.01			
	Nitrate (as N)	mg/l	0.02		<0.02			
	Sulphate (as SO4)	mg/l	1					
Organochlorine Pesticides	4,4-DDE	µg/l	0.1			<0.1		
	Aldrin	mg/l	0.0001			<0.0001		
	Dieldrin	mg/l	0.0001			<0.0001		
	alpha-BHC	mg/l	0.0001			<0.0001		
	DDD	mg/l	0.0001			<0.0001		
	beta-BHC	mg/l	0.0001			<0.0001		
	DDT	mg/l	0.0001			<0.0001		
	Chlordane	mg/l	0.001			<0.001		
	delta-BHC	mg/l	0.0001			<0.0001		
	Endosulfan alpha	mg/l	0.0001			<0.0001		
	Endosulfan beta	mg/l	0.0001			<0.0001		
	Endosulfan sulphate	mg/l	0.0001			<0.0001		
	Endrin	mg/l	0.0001			<0.0001		
	Endrin aldehyde	mg/l	0.0001			<0.0001		
	Endrin ketone	mg/l	0.0001			<0.0001		
	Heptachlor	mg/l	0.0001			<0.0001		

Field Blanks (WATER)
Filter: ALL

			SDG Field ID Sampled_Date/Time Sample Type	503811 TB 7/06/2016 Field_B	503811 RINSATE 8/06/2016 Rinsate	504877 RINSATE 15/06/2016 Rinsate	503133 TB 31/05/2016 Trip_B	505174 TB 9/06/2016 Trip_B
	Heptachlor Epoxide	mg/l	0.0001			<0.0001		
	Lindane	mg/l	0.0001			<0.0001		
	Methoxychlor	mg/l	0.0001			<0.0001		
	Toxaphene	mg/l	0.01			<0.01		
Organophosphorus Pesticides	Azinphos methyl	mg/l	0.002			<0.005		
	Chlorfenvinphos	mg/l	0.002			<0.005		
	Chlorpyrifos	mg/l	0.02			<0.02		
	Chlorpyrifos-methyl	mg/l	0.002			<0.005		
	Coumaphos	mg/l	0.02			<0.02		
	Demeton-O	mg/l	0.002			<0.005		
	Diazinon	mg/l	0.002			<0.005		
	Dichlorvos	mg/l	0.002			<0.005		
	Dimethoate	mg/l	0.002			<0.005		
	Disulfoton	mg/l	0.002			<0.005		
	Ethion	mg/l	0.002			<0.005		
	Ethoprophos	mg/l	0.002			<0.005		
	Fenitrothion	mg/l	0.002			<0.005		
	Fensulfothion	mg/l	0.002			<0.005		
	Fenthion	mg/l	0.002			<0.005		
	Malathion	mg/l	0.002			<0.005		
	Merphos	mg/l	0.002			<0.005		
	Mevinphos	mg/l	0.002			<0.005		
	Monocrotophos	mg/l	0.002			<0.005		
	Naled	mg/l	0.002			<0.005		
	Omethoate	mg/l	0.002			<0.005		
	Parathion	mg/l	0.002			<0.005		
	Parathion methyl	mg/l	0.002			<0.005		
	Phorate	mg/l	0.002			<0.005		
	Pirimiphos methyl	mg/l	0.02			<0.02		
	Pyrazophos	mg/l	0.002			<0.005		
	Ronnel	mg/l	0.002			<0.005		
	Sulprofos	mg/l	0.002			<0.005		
	Terbufos	mg/l	0.002			<0.005		
	Tetrachlorvinphos	mg/l	0.002			<0.005		
	Tokuthion	mg/l	0.002			<0.005		
	Trichloronate	mg/l	0.002			<0.005		
Other	Total Dissolved Solids	mg/l	5		18			
Phenols	4,6-Dinitro-2-methylphenol	mg/l	0.001			<0.002		
Polychlorinated Biphenyls	Aroclor 1016	mg/l	0.001			<0.001		
	Aroclor 1221	mg/l	0.001			<0.001		
	Aroclor 1232	mg/l	0.001			<0.001		
	Aroclor 1242	mg/l	0.001			<0.001		
	Aroclor 1248	mg/l	0.001			<0.001		
	Aroclor 1254	mg/l	0.001			<0.001		
	Aroclor 1260	mg/l	0.001			<0.001		
	PCBs (Total)	mg/l	0.001			<0.001		
Polycyclic Aromatic Hydrocarbons	Acenaphthene	mg/l	0.001			<0.001		
	Acenaphthylene	mg/l	0.001			<0.001		
	Anthracene	mg/l	0.001			<0.001		
	Benzo(a)anthracene	mg/l	0.001			<0.001		
	Benzo(a)pyrene	mg/l	0.001			<0.001		
	Benzo(b,j)fluoranthene	mg/l	0.001			<0.001		
	Benzo(g,h,i)perylene	mg/l	0.001			<0.001		
	Benzo(k)fluoranthene	mg/l	0.001			<0.001		
	Chrysene	mg/l	0.001			<0.001		
	Dibenz(a,h)anthracene	mg/l	0.001			<0.001		
	Fluoranthene	mg/l	0.001			<0.001		
	Fluorene	mg/l	0.001			<0.001		
	Indeno(1,2,3-c,d)pyrene	mg/l	0.001			<0.001		
	Naphthalene	mg/l	0.001		<0.01	<0.01		
	Phenanthrene	mg/l	0.001			<0.001		
	Pyrene	mg/l	0.001			<0.001		
	PAHs (Total)	mg/l	0.001			<0.001		
TPHs (NEPC 1999)	C6-C9 Fraction	mg/l	0.01		<0.02	<0.02		
	C10-C14 Fraction	mg/l	0.05		<0.05	0.59		
	C15-C28 Fraction	mg/l	0.1		<0.1	0.3		
	C29-C36 Fraction	mg/l	0.1		<0.1	<0.1		
	C10-C36 Fraction (Total)	mg/l	0.1		<0.1	0.89		
TRHs (NEPC 2013)	>C10-C16 Fraction	mg/l	0.05		<0.05	0.18		
	>C16-C34 Fraction	mg/l	0.1		<0.1	0.3		
	>C34-C40 Fraction	mg/l	0.1		<0.1	<0.1		
	C6-C10 Fraction	mg/l	0.01		<0.02	<0.02		
	C6 - C10 less BTEX (F1)	mg/l	0.01		<0.02	<0.02		
	>C10 - C16 less Naphthalene (F2)	mg/l	0.05		<0.05	0.18		

Field Duplicates (SOIL)
Filter: ALL

SDG	504746	504746		504746	504746		504746	504746		504746	504746		504746	504746		504746
Field ID	BH13 0-0.1	QA20160610-1	RPD	BH20 0-0.1	QA20160610-2	RPD	BH25 0-0.1	QA20160614-1	RPD	BH33 0-0.1	QA20160614-2	RPD	BH51 0-0.1	QA20160615-1	RPD	BH33 0-0.1
Sampled Date/Time	10/06/2016	10/06/2016		10/06/2016	10/06/2016		14/06/2016	14/06/2016		14/06/2016	14/06/2016		15/06/2016	15/06/2016		14/06/2016

Chem_Grd	ChemNam	Units	EQL														
OPP	EPN	mg/kg	0.2				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2
	Demeton-S	mg/kg	0.2				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2
Organic	Actril (loxy)	mg/kg	0.5 (Primary): 1 (Interlab)							<0.5	<0.5	0	<0.5	<0.5	0		<0.5
Metals & M	Arsenic (T)	mg/kg	2 (Primary): 4 (Interlab)	<2.0	<2.0	0	<2.0	<2.0	0	<2.0	<2.0	0	2.2	2.1	5	3.6	2.0
	Cadmium	mg/kg	0.4	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4
	Chromium	mg/kg	5 (Primary): 1 (Interlab)	7.7	5.8	28	<5.0	5.5	10	<5.0	<5.0	0	<5.0	<5.0	0	16.0	33.0
	Copper	mg/kg	5 (Primary): 1 (Interlab)	49.0	47.0	4	8.2	7.3	12	<5.0	<5.0	0	<5.0	<5.0	0	11.0	27.0
	Lead	mg/kg	5 (Primary): 1 (Interlab)	<5.0	<5.0	0	11.0	11.0	0	<5.0	<5.0	0	<5.0	<5.0	0	14.0	6.7
	Mercury (I)	mg/kg	0.05 (Primary): 0.1 (Interlab)	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05
	Nickel	mg/kg	5 (Primary): 1 (Interlab)	62.0	50.0	21	<5.0	<5.0	0	<5.0	<5.0	0	<5.0	<5.0	0	15.0	63.0
	Zinc	mg/kg	5 (Primary): 1 (Interlab)	50.0	30.0	50	41.0	41.0	0	<5.0	<5.0	0	<5.0	<5.0	0	27.0	46.0
etalloids																	
TPHS (NER)	C6-C9 Fra	mg/kg	20 (Primary): 25 (Interlab)				<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0
	C10-C14 F	mg/kg	20 (Primary): 50 (Interlab)				<20.0	110.0	138	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0
	C15-C28 F	mg/kg	50 (Primary): 100 (Interlab)				240.0	310.0	25	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0
	C29-C36 F	mg/kg	50 (Primary): 100 (Interlab)				<50.0	590.0	169	<50.0	<50.0	0	<50.0	<50.0	0	110.0	69.0
	C10-C36 F	mg/kg	50				240.0	1010.0	123	<50.0	<50.0	0	<50.0	<50.0	0	110.0	69.0
'C 1999)																	
TRHs (NER)	>C10-C16	mg/kg	50				<50.0	71.0	35	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0
	>C16-C34	mg/kg	100				240.0	880.0	114	<100.0	<100.0	0	<100.0	<100.0	0	<100.0	<100.0
	>C34-C40	mg/kg	100				<100.0	190.0	62	<100.0	<100.0	0	<100.0	<100.0	0	270.0	<100.0
	C6-C10 Fra	mg/kg	20 (Primary): 25 (Interlab)				<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0
	C6 - C10 le	mg/kg	20 (Primary): 25 (Interlab)				<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0	0	<20.0	<20.0
	>C10 - C16	mg/kg	50				<50.0	71.0	35	<50.0	<50.0	0	<50.0	<50.0	0	<50.0	<50.0
'C 2013)																	
BTEX	Benzene	mg/kg	0.1 (Primary): 0.2 (Interlab)				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1
	Ethylbenze	mg/kg	0.1 (Primary): 1 (Interlab)				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1
	Toluene	mg/kg	0.1 (Primary): 0.5 (Interlab)				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1
	Xylene (m)	mg/kg	0.2 (Primary): 2 (Interlab)				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2
	Xylene (o)	mg/kg	0.1 (Primary): 1 (Interlab)				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1
	Xylene (To)	mg/kg	0.3				<0.3	<0.3	0	<0.3	<0.3	0	<0.3	<0.3	0	<0.3	<0.3
Polycyclic	Acenaphth	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Acenaphth	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Anthracen	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Benz(a)ant	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Benzo(a)py	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Benzo(a)py	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Benzo(a)py	mg/kg	0.5	0.6	0.6	0	0.6	0.6	0	0.6	0.6	0	0.6	0.6	0	0.6	0.6
	Benzo(a)py	mg/kg	0.5	1.2	1.2	0	1.2	1.2	0	1.2	1.2	0	1.2	1.2	0	1.2	1.2
	Benzo(b)fl	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Benzo(g,h,i)	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Benzo(k)flu	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Chrysene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Dibenz(a,h)	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Fluoranthene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Fluorene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Indeno(1,2,3-cd)	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Naphthalene	mg/kg	0.5 (Primary): 1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Naphthalene	mg/kg	0.5 (Primary): 1 (Interlab)				<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Phenanthrene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Pyrene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5

Field Duplicates (SOIL)
Filter: ALL

SDG	504746	504746		504746	504746		504746	504746		504746	504746		504746	504746		504746
Field ID	BH13 0-0.1	QA20160610-1	RPD	BH20 0-0.1	QA20160610-2	RPD	BH25 0-0.1	QA20160614-1	RPD	BH33 0-0.1	QA20160614-2	RPD	BH51 0-0.1	QA20160615-1	RPD	BH33 0-0.1
Sampled Date/Time	10/06/2016	10/06/2016		10/06/2016	10/06/2016		14/06/2016	14/06/2016		14/06/2016	14/06/2016		15/06/2016	15/06/2016		14/06/2016

	PAHs (Total)	mg/kg	0.5	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
	Aromatic Hydrocarbons															
	Chlorinated Hexachloro	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Benzenes															
	Polychlorinated Aroclor 101	mg/kg	0.5 (Primary): 0.1 (Interlab)				<0.5	<5.0	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
	Aroclor 123	mg/kg	0.5 (Primary): 0.1 (Interlab)				<0.5	<5.0	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
	Aroclor 124	mg/kg	0.5 (Primary): 0.1 (Interlab)				<0.5	<5.0	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
	Aroclor 124	mg/kg	0.5 (Primary): 0.1 (Interlab)				<0.5	<5.0	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
	Aroclor 125	mg/kg	0.5 (Primary): 0.1 (Interlab)				<0.5	<5.0	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
	Aroclor 126	mg/kg	0.5 (Primary): 0.1 (Interlab)				<0.5	<5.0	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
	PCBs (Total)	mg/kg	0.5				<0.5	<5.0	0	<0.5	<0.5	0	<0.5	<0.5	0	<0.5
	Chlorinated Biphenyls															
	Phenols 4,6-Dinitro	mg/kg	0.5							<0.5	<0.5	0	<0.5	<0.5	0	<0.5
	Organochlorine 4,4-DDE	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Aldrin	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Dieldrin	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	alpha-BHC	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	DDD	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	beta-BHC	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	DDT	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Chlordane	mg/kg	0.1				<0.1	<0.1	0	<0.1	<0.1	0	<0.1	<0.1	0	<0.1
	delta-BHC	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Endosulfar	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Endosulfar	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Endosulfar	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Endrin	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Endrin aldehyde	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Endrin ketone	mg/kg	0.05				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Heptachlor	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Heptachlor	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Lindane	mg/kg	0.05 (Primary): 0.1 (Interlab)				<0.05	<0.05	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.05
	Methoxychlor	mg/kg	0.2 (Primary): 0.1 (Interlab)				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Toxaphene	mg/kg	1				<1.0	<1.0	0	<1.0	<1.0	0	<1.0	<1.0	0	<1.0
	Ureine Pesticides															
	Organophosphate Azinphos	mg/kg	0.2 (Primary): 0.1 (Interlab)				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Chlorfenvinphos	mg/kg	0.2				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Chlorpyrifos	mg/kg	0.2 (Primary): 0.1 (Interlab)				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Chlorpyrifos	mg/kg	0.2 (Primary): 0.1 (Interlab)				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Coumaphos	mg/kg	2				<2.0	<2.0	0	<2.0	<2.0	0	<2.0	<2.0	0	<2.0
	Demeton-CH	mg/kg	0.2				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Diazinon	mg/kg	0.2 (Primary): 0.1 (Interlab)				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Dichlorvos	mg/kg	0.2 (Primary): 0.1 (Interlab)				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Dimethoate	mg/kg	0.2 (Primary): 0.1 (Interlab)				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Disulfoton	mg/kg	0.2				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Ethion	mg/kg	0.2 (Primary): 0.1 (Interlab)				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Ethoprophos	mg/kg	0.2				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Fenitrothion	mg/kg	0.2 (Primary): 0.1 (Interlab)				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Fensulfothion	mg/kg	0.2				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Fenthion	mg/kg	0.2				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Malathion	mg/kg	0.2 (Primary): 0.1 (Interlab)				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Merphos	mg/kg	0.2				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Mevinphos	mg/kg	0.2				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2
	Monocrotophos	mg/kg	2				<2.0	<2.0	0	<2.0	<2.0	0	<2.0	<2.0	0	<2.0
	Omethoate	mg/kg	2				<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2

Filter: ALL

Field Duplicates (SOIL)
Filter: ALL

SDG	504746	504746		504746	504746		504746	504746		504746	504746		504746	504746		504746
Field ID	BH13 0-0.1	QA20160610-1	RPD	BH20 0-0.1	QA20160610-2	RPD	BH25 0-0.1	QA20160614-1	RPD	BH33 0-0.1	QA20160614-2	RPD	BH51 0-0.1	QA20160615-1	RPD	BH33 0-0.1
Sampled Date/Time	10/06/2016	10/06/2016		10/06/2016	10/06/2016		14/06/2016	14/06/2016		14/06/2016	14/06/2016		15/06/2016	15/06/2016		14/06/2016

	Parathion	mg/kg	0.2 (Primary): 0.1 (Interlab)						<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	
	Parathion	mg/kg	0.2						<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	
	Phorate	mg/kg	0.2						<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	
	Pirimiphos	mg/kg	0.2						<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	
	Pyrazophos	mg/kg	0.2						<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	
	Ronnel	mg/kg	0.2 (Primary): 0.1 (Interlab)						<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	
	Sulprofos	mg/kg	0.2						<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	
	Terbufos	mg/kg	0.2						<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	
	Tetrachlor	mg/kg	0.2						<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	
	Tokuthion	mg/kg	0.2						<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	
	Trichlorona	mg/kg	0.2						<0.2	<0.2	0	<0.2	<0.2	0	<0.2	<0.2	0	<0.2	
sphorus Pesticides																			
Herbicides	2,4,5-T	mg/kg	0.5							<0.5	<0.5	0	<0.5	<0.5	0			<0.5	
	2,4-D	mg/kg	0.5							<0.5	<0.5	0	<0.5	<0.5	0			<0.5	
	2,4-DB	mg/kg	0.5							<0.5	<0.5	0	<0.5	<0.5	0			<0.5	
	Dicamba	mg/kg	0.5							<0.5	<0.5	0	<0.5	<0.5	0			<0.5	
	Dichloroprop	mg/kg	0.5							<0.5	<0.5	0	<0.5	<0.5	0			<0.5	
	Dinoseb	mg/kg	0.5 (Primary): 1 (Interlab)							<0.5	<0.5	0	<0.5	<0.5	0			<0.5	
	Fenoprop	mg/kg	0.5							<0.5	<0.5	0	<0.5	<0.5	0			<0.5	
	MCPA	mg/kg	0.5							<0.5	<0.5	0	<0.5	<0.5	0			<0.5	
	MCPB	mg/kg	0.5							<0.5	<0.5	0	<0.5	<0.5	0			<0.5	
	Mecoprop	mg/kg	0.5							<0.5	<0.5	0	<0.5	<0.5	0			<0.5	
& Fungicides																			
Other	% Moisture	%	1	6.7	6.1	9	6.8	6.8	0	7.5	7.1	5	8.9	9.6	8	11.0	8.5	26	8.9

*RPDs have only been considered where a concentration is greater than 1 times the EQL.

**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 50 (1-10 x EQL); 50 (10-30 x EQL); 50 (> 30 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

SDG	504746		504746	504746	504746	ENVIROLAB 2016-06-20T00:00:00	504746	ENVIROLAB 2016-06-20T00:00:00	504746
Field ID	QA20160614-2	RPD	BH33 0-0.1	QA20160614-2	RPD	BH13 0-0.1	QC20160610-1	RPD	BH20 0-0.1
Sampled Date/Time	14/06/2016		14/06/2016	14/06/2016		10/06/2016	10/06/2016		14/06/2016

Filter: ALL

Field Duplicates (SOIL)
Filter: ALL

SDG		504746	504746	504746	504746	ENVIROLAB 2016-06-20T00:00:00	504746	ENVIROLAB 2016-06-20T00:00:00	504746
Field ID		QA20160614-2	BH33 0-0.1	QA20160614-2	BH13 0-0.1	QC20160610-1	BH20 0-0.1	QC20160610-2	BH25 0-0.1
Sampled Date/Time		14/06/2016	14/06/2016	14/06/2016	10/06/2016	10/06/2016	10/06/2016	10/06/2016	14/06/2016
		RPD		RPD		RPD		RPD	
	PAHs (Total)	mg/kg	0.5		<0.5		<0.5		<0.5
	Aromatic Hydrocarbons								
	Chlorinated Benzenes	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	Polychlorinated Biphenyls	mg/kg	0.5 (Primary): 0.1 (Interl)		<0.5		<0.5	<0.1	0 <0.5
	Aroclor 101	mg/kg	0.5 (Primary): 0.1 (Interl)		<0.5		<0.5	<0.1	0 <0.5
	Aroclor 123	mg/kg	0.5 (Primary): 0.1 (Interl)		<0.5		<0.5	<0.1	0 <0.5
	Aroclor 124	mg/kg	0.5 (Primary): 0.1 (Interl)		<0.5		<0.5	<0.1	0 <0.5
	Aroclor 124	mg/kg	0.5 (Primary): 0.1 (Interl)		<0.5		<0.5	<0.1	0 <0.5
	Aroclor 125	mg/kg	0.5 (Primary): 0.1 (Interl)		<0.5		<0.5	<0.1	0 <0.5
	Aroclor 126	mg/kg	0.5 (Primary): 0.1 (Interl)		<0.5		<0.5	<0.1	0 <0.5
	PCBs (Total)	mg/kg	0.5		<0.5		<0.5		<0.5
	Phenols	mg/kg	0.5		<0.5				<0.5
	Organochlorine	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	Aldrin	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	Dieldrin	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	alpha-BHC	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	DDD	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	beta-BHC	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	DDT	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	Chlordane	mg/kg	0.1		<0.1		<0.1		<0.1
	delta-BHC	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.3	0 <0.05
	Endosulfar	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	Endosulfar	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	Endosulfar	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	Endrin	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	Endrin alde	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	Endrin ket	mg/kg	0.05		<0.05		<0.05		<0.05
	Heptachlor	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	Heptachlor	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	Lindane	mg/kg	0.05 (Primary): 0.1 (Interl)		<0.05		<0.05	<0.1	0 <0.05
	Methoxych	mg/kg	0.2 (Primary): 0.1 (Interl)		<0.2		<0.2	<0.1	0 <0.2
	Toxaphene	mg/kg	1		<1.0		<1.0		<1.0
	Organophosphate	mg/kg	0.2 (Primary): 0.1 (Interl)		<0.2		<0.2	<0.1	0 <0.2
	Chlorfenvi	mg/kg	0.2		<0.2		<0.2		<0.2
	Chlorpyrifo	mg/kg	0.2 (Primary): 0.1 (Interl)		<0.2		<0.2	<0.1	0 <0.2
	Chlorpyrifo	mg/kg	0.2 (Primary): 0.1 (Interl)		<0.2		<0.2	<0.1	0 <0.2
	Coumapho	mg/kg	2		<2.0		<2.0		<2.0
	Demeton-Q	mg/kg	0.2		<0.2		<0.2		<0.2
	Diazinon	mg/kg	0.2 (Primary): 0.1 (Interl)		<0.2		<0.2	<0.1	0 <0.2
	Dichlorvos	mg/kg	0.2 (Primary): 0.1 (Interl)		<0.2		<0.2	<0.1	0 <0.2
	Dimethoate	mg/kg	0.2 (Primary): 0.1 (Interl)		<0.2		<0.2	<0.1	0 <0.2
	Disulfoton	mg/kg	0.2		<0.2		<0.2		<0.2
	Ethion	mg/kg	0.2 (Primary): 0.1 (Interl)		<0.2		<0.2	<0.1	0 <0.2
	Ethoproph	mg/kg	0.2		<0.2		<0.2		<0.2
	Fenitrothio	mg/kg	0.2 (Primary): 0.1 (Interl)		<0.2		<0.2	<0.1	0 <0.2
	Fensulfothi	mg/kg	0.2		<0.2		<0.2		<0.2
	Fenthion	mg/kg	0.2		<0.2		<0.2		<0.2
	Malathion	mg/kg	0.2 (Primary): 0.1 (Interl)		<0.2		<0.2	<0.1	0 <0.2
	Merphos	mg/kg	0.2		<0.2		<0.2		<0.2
	Mevinphos	mg/kg	0.2		<0.2		<0.2		<0.2
	Monocroto	mg/kg	2		<2.0		<2.0		<2.0
	Omethoate	mg/kg	2		<0.2		<0.2		<0.2

Field Duplicates (SOIL)
Filter: ALL

SDG	504746	504746	504746	504746	504746	504746	504746	504746	504746	504746	504746	504746
Field ID	QA20160614-2	BH33 0-0.1	QA20160614-2	BH13 0-0.1	QC20160610-1	BH20 0-0.1	QC20160610-2	BH25 0-0.1	QA20160614-2	BH33 0-0.1	QA20160614-2	BH13 0-0.1
Sampled Date/Time	14/06/2016	14/06/2016	14/06/2016	10/06/2016	10/06/2016	10/06/2016	10/06/2016	14/06/2016	14/06/2016	14/06/2016	14/06/2016	14/06/2016
Parathion	mg/kg	0.2 (Primary): 0.1 (Interlab)	<0.2	<0.2	<0.2	<0.2	<0.1	0	<0.2	<0.2	<0.2	<0.2
Phorate	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pirimiphos	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Pyrazophos	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ronnel	mg/kg	0.2 (Primary): 0.1 (Interlab)	<0.2	<0.2	<0.2	<0.2	<0.1	0	<0.2	<0.2	<0.2	<0.2
Sulprofos	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Terbufos	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrachloro	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tokuthion	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichlorona	mg/kg	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
sphorus Pesticides												
Herbicides	2,4,5-T	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2,4-D	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2,4-DB	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Dicamba	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Dichloroprop	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Dinoseb	mg/kg	0.5 (Primary): 1 (Interlab)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Fenoprop	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	MCPA	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	MCPB	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Mecoprop	mg/kg	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
& Fungicides												
Other	% Moisture	%	1	8.9	6.7	6.8	7.5					

*RPDs have only been considered where a concentration

**High RPDs are in bold (Acceptable RPDs for each EQL)

***Interlab Duplicates are matched on a per compound basis

Field Duplicates (SOIL)
Filter: ALL

SDG	ENVIROLAB 2016-06-20T00:00:00	504746	ENVIROLAB 2016-06-20T00:00:00	504746	ENVIROLAB 2016-06-20T00:00:00
Field ID	QC20160614-1	BH33 0-0.1	QC20160614-2	BH51 0-0.1	QC20160615-1
Sampled Date/Time	14/06/2016	14/06/2016	14/06/2016	15/06/2016	15/06/2016

Chem_Grd	ChemNam	Units	EQL							
OPP	EPN	mg/kg	0.2			<0.2			<0.2	
	Demeton-S	mg/kg	0.2			<0.2			<0.2	
Organic	Actril (loxy)	mg/kg	0.5 (Primary): 1 (Interlab)	<1.0	0	<0.5	<1.0	0		
Metals & M	Arsenic (T)	mg/kg	2 (Primary): 4 (Interlab)	<4.0	0	2.2	<4.0	0	3.6	<4.0
	Cadmium	mg/kg	0.4	<0.4	0	<0.4	<0.4	0	<0.4	<0.4
	Chromium	mg/kg	5 (Primary): 1 (Interlab)	<1.0	0	<5.0	1.0	0	16.0	17.0
	Copper	mg/kg	5 (Primary): 1 (Interlab)	<1.0	0	<5.0	<1.0	0	11.0	9.0
	Lead	mg/kg	5 (Primary): 1 (Interlab)	1.0	0	<5.0	1.0	0	14.0	16.0
	Mercury (T)	mg/kg	0.05 (Primary): 0.1 (Interlab)	<0.1	0	<0.05	<0.1	0	<0.05	<0.1
	Nickel	mg/kg	5 (Primary): 1 (Interlab)	<1.0	0	<5.0	<1.0	0	15.0	12.0
	Zinc	mg/kg	5 (Primary): 1 (Interlab)	2.0	0	<5.0	2.0	0	27.0	23.0
etalloids										
TPHs (NEP)	C6-C9 Fra	mg/kg	20 (Primary): 25 (Interlab)	<25.0	0	<20.0	<25.0	0	<20.0	<25.0
	C10-C14 F	mg/kg	20 (Primary): 50 (Interlab)	<50.0	0	<20.0	<50.0	0	<20.0	<50.0
	C15-C28 F	mg/kg	50 (Primary): 100 (Interlab)	<100.0	0	<50.0	<100.0	0	<50.0	<100.0
	C29-C36 F	mg/kg	50 (Primary): 100 (Interlab)	<100.0	0	<50.0	<100.0	0	110.0	<100.0
	C10-C36 F	mg/kg	50			<50.0			110.0	
°C 1999)										
TRHs (NEP)	>C10-C16	mg/kg	50	<50.0	0	<50.0	<50.0	0	<50.0	<50.0
	>C16-C34	mg/kg	100	<100.0	0	<100.0	<100.0	0	<100.0	<100.0
	>C34-C40	mg/kg	100	<100.0	0	<100.0	<100.0	0	270.0	<100.0
	C6-C10 Fra	mg/kg	20 (Primary): 25 (Interlab)	<25.0	0	<20.0	<25.0	0	<20.0	<25.0
	C6 - C10 le	mg/kg	20 (Primary): 25 (Interlab)	<25.0	0	<20.0	<25.0	0	<20.0	<25.0
	>C10 - C16	mg/kg	50	<50.0	0	<50.0	<50.0	0	<50.0	<50.0
°C 2013)										
BTEX	Benzene	mg/kg	0.1 (Primary): 0.2 (Interlab)	<0.2	0	<0.1	<0.2	0	<0.1	<0.2
	Ethylbenze	mg/kg	0.1 (Primary): 1 (Interlab)	<1.0	0	<0.1	<1.0	0	<0.1	<1.0
	Toluene	mg/kg	0.1 (Primary): 0.5 (Interlab)	<0.5	0	<0.1	<0.5	0	<0.1	<0.5
	Xylene (m	mg/kg	0.2 (Primary): 2 (Interlab)	<2.0	0	<0.2	<2.0	0	<0.2	<2.0
	Xylene (o)	mg/kg	0.1 (Primary): 1 (Interlab)	<1.0	0	<0.1	<1.0	0	<0.1	<1.0
	Xylene (To	mg/kg	0.3			<0.3			<0.3	
Polycyclic	Acenaphth	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1
	Acenaphth	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1
	Anthracene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1
	Benz(a)ant	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1
	Benzo(a)py	mg/kg	0.5 (Primary): 0.05 (Interlab)	<0.05	0	<0.5	<0.05	0	<0.5	<0.05
	Benzo(a)py	mg/kg	0.5	<0.5	0	<0.5	<0.5	0	<0.5	<0.5
	Benzo(a)py	mg/kg	0.5	<0.5	18	0.6	<0.5	18	0.6	<0.5
	Benzo(a)py	mg/kg	0.5	<0.5	82	1.2	<0.5	82	1.2	<0.5
	Benzo(b,j)	mg/kg	0.5	<0.5		<0.5			<0.5	
	Benzo(g,h)	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1
	Benzo(k)flu	mg/kg	0.5			<0.5			<0.5	
	Chrysene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1
	Dibenz(a,h)	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1
	Fluoranth	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1
	Fluorene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1
	Indeno(1,2	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1
	Naphthalen	mg/kg	0.5 (Primary): 1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1
	Naphthalen	mg/kg	0.5 (Primary): 1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1
	Phenanthre	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1
	Pyrene	mg/kg	0.5 (Primary): 0.1 (Interlab)	<0.1	0	<0.5	<0.1	0	<0.5	<0.1

Field Duplicates (SOIL)
Filter: ALL

SDG		ENVIROLAB 2016-06-20T00:00:00		504746 ENVIROLAB 2016-06-20T00:00:00		504746 ENVIROLAB 2016-06-20T00:00:00	
Field ID		QC20160614-1 RPD		BH33 0-0.1 14/06/2016		QC20160614-2 RPD	
Sampled Date/Time		14/06/2016		14/06/2016		15/06/2016	
	PAHs (Total) mg/kg	0.5		<0.5		<0.5	
Aromatic Hydrocarbons							
Chlorinated	Hexachloro	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
Benzenes							
Polychlorin	Aroclor 101	mg/kg	0.5 (Primary): 0.1 (Interl	<0.1	0	<0.5	<0.1
	Aroclor 123	mg/kg	0.5 (Primary): 0.1 (Interl	<0.1	0	<0.5	<0.1
	Aroclor 124	mg/kg	0.5 (Primary): 0.1 (Interl	<0.1	0	<0.5	<0.1
	Aroclor 124	mg/kg	0.5 (Primary): 0.1 (Interl	<0.1	0	<0.5	<0.1
	Aroclor 125	mg/kg	0.5 (Primary): 0.1 (Interl	<0.1	0	<0.5	<0.1
	Aroclor 126	mg/kg	0.5 (Primary): 0.1 (Interl	<0.1	0	<0.5	<0.1
	PCBs (Total)	mg/kg	0.5	<0.5		<0.5	
ated Biphenyls							
Phenols	4,6-Dinitro-	mg/kg	0.5	<0.5			
Organochlorides							
	4,4-DDE	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	Aldrin	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	Dieldrin	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	alpha-BHC	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	DDD	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	beta-BHC	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	DDT	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	Chlordane	mg/kg	0.1	<0.1		<0.1	
	delta-BHC	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	Endosulfar	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	Endosulfar	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	Endosulfar	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	Endrin	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	Endrin alde	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	Endrin ket	mg/kg	0.05	<0.05		<0.05	
	Heptachlor	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	Heptachlor	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	Lindane	mg/kg	0.05 (Primary): 0.1 (Interl	<0.1	0	<0.05	<0.1
	Methoxych	mg/kg	0.2 (Primary): 0.1 (Interl	<0.1	0	<0.2	<0.1
	Toxaphene	mg/kg	1	<1.0		<1.0	
rine Pesticides							
Organopho	Azinphos n	mg/kg	0.2 (Primary): 0.1 (Interl	<0.1	0	<0.2	<0.1
	Chlorfenvir	mg/kg	0.2	<0.2		<0.2	
	Chlorpyrif	mg/kg	0.2 (Primary): 0.1 (Interl	<0.1	0	<0.2	<0.1
	Chlorpyrif	mg/kg	0.2 (Primary): 0.1 (Interl	<0.1	0	<0.2	<0.1
	Coumapho	mg/kg	2	<2.0		<2.0	
	Demeton-C	mg/kg	0.2	<0.2		<0.2	
	Diazinon	mg/kg	0.2 (Primary): 0.1 (Interl	<0.1	0	<0.2	<0.1
	Dichlorvos	mg/kg	0.2 (Primary): 0.1 (Interl	<0.1	0	<0.2	<0.1
	Dimethoate	mg/kg	0.2 (Primary): 0.1 (Interl	<0.1	0	<0.2	<0.1
	Disulfoton	mg/kg	0.2	<0.2		<0.2	
	Ethion	mg/kg	0.2 (Primary): 0.1 (Interl	<0.1	0	<0.2	<0.1
	Ethionph	mg/kg	0.2	<0.2		<0.2	
	Fenitrothio	mg/kg	0.2 (Primary): 0.1 (Interl	<0.1	0	<0.2	<0.1
	Fensulfoth	mg/kg	0.2	<0.2		<0.2	
	Fenthion	mg/kg	0.2	<0.2		<0.2	
	Malathion	mg/kg	0.2 (Primary): 0.1 (Interl	<0.1	0	<0.2	<0.1
	Merphos	mg/kg	0.2	<0.2		<0.2	
	Mevinphos	mg/kg	0.2	<0.2		<0.2	
	Monocroto	mg/kg	2	<2.0		<2.0	
	Omethoate	mg/kg	2	<0.2		<0.2	

Field Duplicates (SOIL)
Filter: ALL

SDG	ENVIROLAB 2016-06-20T00:00:00	504746	ENVIROLAB 2016-06-20T00:00:00	504746	ENVIROLAB 2016-06-20T00:00:00
Field ID	QC20160614-1	BH33 0-0.1	QC20160614-2	BH51 0-0.1	QC20160615-1
Sampled Date/Time	14/06/2016	14/06/2016	14/06/2016	15/06/2016	15/06/2016
RPD					

	Parathion	mg/kg	0.2 (Primary): 0.1 (Interlab)	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0
	Parathion r	mg/kg	0.2			<0.2			<0.2		
	Phorate	mg/kg	0.2			<0.2			<0.2		
	Pirimiphos	mg/kg	0.2			<0.2			<0.2		
	Pyrazophos	mg/kg	0.2			<0.2			<0.2		
	Ronnel	mg/kg	0.2 (Primary): 0.1 (Interlab)	<0.1	0	<0.2	<0.1	0	<0.2	<0.1	0
	Sulprofos	mg/kg	0.2			<0.2			<0.2		
	Terbufos	mg/kg	0.2			<0.2			<0.2		
	Tetrachloro	mg/kg	0.2			<0.2			<0.2		
	Tokuthion	mg/kg	0.2			<0.2			<0.2		
	Trichlorona	mg/kg	0.2			<0.2			<0.2		
sphorus Pesticides											
Herbicides	2,4,5-T	mg/kg	0.5	<0.5	0	<0.5	<0.5	0			
	2,4-D	mg/kg	0.5	<0.5	0	<0.5	<0.5	0			
	2,4-DB	mg/kg	0.5	<0.5	0	<0.5	<0.5	0			
	Dicamba	mg/kg	0.5	<0.5	0	<0.5	<0.5	0			
	Dichloroprop	mg/kg	0.5	<0.5	0	<0.5	<0.5	0			
	Dinoseb	mg/kg	0.5 (Primary): 1 (Interlab)	<1.0	0	<0.5	<1.0	0			
	Fenoprop	mg/kg	0.5	<0.5	0	<0.5	<0.5	0			
	MCPA	mg/kg	0.5	<0.5	0	<0.5	<0.5	0			
	MCPB	mg/kg	0.5	<0.5	0	<0.5	<0.5	0			
	Mecoprop	mg/kg	0.5			<0.5					
& Fungicides											
Other	% Moisture	%	1			8.9			11.0		

*RPDs have only been considered where a concentration

**High RPDs are in bold (Acceptable RPDs for each EQI

***Interlab Duplicates are matched on a per compound b

[Contents](#)

Surrogate Variation > 30% or outside lab LCL or UCL

SDG	Expr1001	Lab_Report_Number	Sample_Type	Matrix_Type	SampleCode	Field_ID	Depth	Sampled_Date-Time
503133	503133	503133	Normal	SOIL	S16-Jn03858	MW01 0.2-0.3	MW010.2 - 0.3	31/05/2016
503133	503133	503133	Normal	SOIL	S16-Jn03864	MW01 0.2-0.3	MW01	31/05/2016
503133	503133	503133	Normal	SOIL	S16-Jn03867	MW04 0.2-0.3	MW040.2 - 0.3	31/05/2016
503133	503133	503133	Normal	SOIL	S16-Jn03871	MW04 0.2-0.3	MW040.2 - 0.3	31/05/2016
504746	504746	504746	Normal	SOIL	S16-Jn15048	BH01 0.9-1.0	BH010.9 - 1	10/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15056	BH05 0-0.1	BH050 - 0.1	10/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15056	BH05 0-0.1	BH050 - 0.1	10/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15056	BH05 0-0.1	BH050 - 0.1	10/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15059	BH07 0-0.1	BH070 - 0.1	10/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15059	BH07 0-0.1	BH070 - 0.1	10/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15092	BH21 0-0.1	BH210 - 0.1	14/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15094	BH22 0-0.1	BH220 - 0.1	10/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15100	BH23 0-0.1	BH230 - 0.1	10/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15114	BH30 1.7-1.8	BH301.7 - 1.8	14/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15129	BH37 0-0.1	BH370 - 0.1	14/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15130	BH37 0.4-0.5	BH370.4 - 0.5	14/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15133	BH38 0-0.1	BH380 - 0.1	15/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15141	BH42 0-0.1	BH420 - 0.1	15/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15148	BH45 0.6-0.7	BH450.6 - 0.7	15/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15165	BH51 0-0.1	BH510 - 0.1	15/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15165	BH51 0-0.1	BH510 - 0.1	15/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15167	BH52 0-0.1	BH520 - 0.1	15/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15175	BH21 0-0.1	BH21	14/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15175	BH21 0-0.1	BH21	14/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15177	BH22 0-0.1	BH22	14/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn15177	BH22 0-0.1	BH22	14/06/2016
504746	504746	504746	Field_D	SOIL	S16-Jn15482	QA20160610-1	BH140.9 - 1	
504746	504746	504746	Field_D	SOIL	S16-Jn15482	QA20160610-1	BH140.9 - 1	
504746	504746	504746	Field_D	SOIL	S16-Jn15483	QA20160610-2	BH200 - 0.1	
504746	504746	504746	Field_D	SOIL	S16-Jn15483	QA20160610-2	BH200 - 0.1	
504746	504746	504746	Field_D	SOIL	S16-Jn15484	QA20160614-1	BH250 - 0.1	14/06/2016
504746	504746	504746	Field_D	SOIL	S16-Jn15484	QA20160614-1	BH250 - 0.1	14/06/2016
504746	504746	504746	Field_D	SOIL	S16-Jn15485	QA20160614-2	BH330 - 0.1	14/06/2016
504746	504746	504746	Field_D	SOIL	S16-Jn15485	QA20160614-2	BH330 - 0.1	14/06/2016
504746	504746	504746	Field_D	SOIL	S16-Jn15485	QA20160614-2	BH330 - 0.1	14/06/2016
504746	504746	504746	Field_D	SOIL	S16-Jn15486	QA20160615-1	BH510 - 0.1	15/06/2016
504746	504746	504746	Field_D	SOIL	S16-Jn15486	QA20160615-1	BH510 - 0.1	15/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn16059	BH25 0-0.1	BH250 - 0.1	14/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn16059	BH25 0-0.1	BH250 - 0.1	14/06/2016
504746	504746	504746	Normal	SOIL	S16-Jn16059	BH25 0-0.1	BH250 - 0.1	14/06/2016
504877	504877	504877	Rinsate	WATER	S16-Jn16846	RINSATE	RINSATE	15/06/2016

Compound	Recovery %	Unit	LCL	UCL	Lab_Qualifier	Lab_Comments
Dibutylchlorendate (surr.)	137	%		70	130	
p-Terphenyl-d14 (surr.)	147	%		30	130	
2-Fluorobiphenyl (surr.)	69	%		30	130	
2-Fluorobiphenyl (surr.)	67	%		30	130	
Tetrachloro-m-xylene (surr.)	57	%		70	130	
Triphenylphosphate (surr.)	132	%		70	130	
p-Terphenyl-d14 (surr.)	60	%		30	130	
2-Fluorobiphenyl (surr.)	61	%		30	130	
Dibutylchlorendate (surr.)	68	%		70	130	
Tetrachloro-m-xylene (surr.)	55	%		70	130	
Triphenylphosphate (surr.)	133	%		70	130	
Triphenylphosphate (surr.)	137	%		70	130	
Tetrachloro-m-xylene (surr.)	131	%		70	130	
Tetrachloro-m-xylene (surr.)	131	%		70	130	
Triphenylphosphate (surr.)	132	%		70	130	
Triphenylphosphate (surr.)	132	%		70	130	
Triphenylphosphate (surr.)	141	%		70	130	
Triphenylphosphate (surr.)	140	%		70	130	
Dibutylchlorendate (surr.)	67	%		70	130	
p-Terphenyl-d14 (surr.)	134	%		30	130	
2-Fluorobiphenyl (surr.)	132	%		30	130	
Triphenylphosphate (surr.)	139	%		70	130	
p-Terphenyl-d14 (surr.)	26	%		30	130	
2-Fluorobiphenyl (surr.)	29	%		30	130	
p-Terphenyl-d14 (surr.)	50	%		30	130	
2-Fluorobiphenyl (surr.)	51	%		30	130	
p-Terphenyl-d14 (surr.)	177	%		30	130	
2-Fluorobiphenyl (surr.)	171	%		30	130	
p-Terphenyl-d14 (surr.)	199	%		30	130	
2-Fluorobiphenyl (surr.)	193	%		30	130	
p-Terphenyl-d14 (surr.)	186	%		30	130	
2-Fluorobiphenyl (surr.)	185	%		30	130	
Triphenylphosphate (surr.)	134	%		70	130	
p-Terphenyl-d14 (surr.)	184	%		30	130	
2-Fluorobiphenyl (surr.)	183	%		30	130	
p-Terphenyl-d14 (surr.)	185	%		30	130	
2-Fluorobiphenyl (surr.)	178	%		30	130	
Triphenylphosphate (surr.)	139	%		70	130	
p-Terphenyl-d14 (surr.)	178	%		30	130	
2-Fluorobiphenyl (surr.)	176	%		30	130	
p-Terphenyl-d14 (surr.)	147	%		50	150	

ESDAT QA Checker
Project:51666 GW updated
Filter: ALL

Overview Summary

[Count of Samples](#)
[Summary By Compound](#)
[Count of Results](#)

Holding Times

Holding Time Errors (0)

Blanks

[Field Blanks](#)
Detects in Lab Blanks (0)
SDG's without Storage Blanks (0)
SDG's without Method Blanks (0)

Duplicates

[Field and Interlab Duplicates](#)
Lab Duplicates with high RPDs (0)
Duplicate Samples with incorrect or missing Parent Samples (0)
Samples at the same Location/Depth/Time not specified as duplicates (0)

Surrogates

Surrogate Variation > 30% or outside lab LCL or UCL (0)

Lab Control Samples

SDG's without a Laboratory Control Sample (0)
Laboratory Control Samples, Error > 30% (0)

Certified and Standard Reference Materials

Certified Reference Materials - Error > 30% (0)

Matrix Spikes

SDG's without a Matrix Spike (0)
Trip Spikes with invalid Control Sample (0)
Less than 1 matrix spike in 20 samples, or less than 1 matrix duplicate in 20 samples (0)
Matrix Spike Recoveries less than 70% or greater than 130% or outside lab LCL or UCL (0)
Trip Spike Recoveries (70% - 130% is acceptable) (0)

Inorganic

Na + CL > TDS (0)
BOD > COD (0)
BOD > COD (0)

Other

Unit Conversion Problems (0)
OriginalChemNames Requiring Validation (0)
Samples with no Results (0)
[Samples associated with Wells which are not specified in the Well Table \(11\)](#)
Aborted Analysis (0)

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Count of Samples

Matrix Type	SOIL	WATER
First Sample Date		7/06/2016
Last Sample Date		21/06/2016
Sampling Period (days)		15
Number of Samples Submitted	0	9
Number of Non QA Samples Submitted	0	4
Number of Field Blanks	0	0
Number of Trip Blanks	0	2
Number of Rinsates	0	1
Number of Field Duplicates	0	1
Number of Trip Spikes	0	0
Number of Lab Duplicates	0	3
Number of LCSS	1	22
Number of CRMs	0	0
Number of Method Blanks	1	22
Number of Storage Blanks	0	0
Number of Matrix Spikes	0	11
Number of Matrix Spike Dupes	0	0

Field Blanks (WATER)

Filter: ALL

Lab Report Number	503811	503811	505174
Field ID	RINSATE	TB	TB
Sampled_Date/Time	8/06/2016	7/06/2016	9/06/2016
Sample Type	Rinsate	Trip_B	Trip_B

Chem_Group	ChemName	Units	EQL			
BTEX	Benzene	mg/l	0.001	<0.001	<0.001	<0.001
	Ethylbenzene	mg/l	0.001	<0.001	<0.001	<0.001
	Toluene	mg/l	0.001	<0.001	<0.001	<0.001
	Xylene (m & p)	mg/l	0.002	<0.002	<0.002	<0.002
	Xylene (o)	mg/l	0.001	<0.001	<0.001	<0.001
	Xylene (Total)	mg/l	0.003	<0.003	<0.003	<0.003
Ion Balance	Hydroxide Alkalinity (OH-) as CaCO3	mg/l	5			
	Ionic Balance	%				
Ionic Balance	EC_Lab	µS/cm	1			
	Bicarbonate Alkalinity as CaCO3	mg/l	5			
	Bicarbonate Alkalinity (as CaCO3)	mg/l	5	<5		
	Carbonate Alkalinity as CaCO3	mg/l	5			
	Carbonate Alkalinity (as CaCO3)	mg/l	5	<5		
	pH_Lab	pH units	0.1	7.2		
	Total Alkalinity as CaCO3	mg/l	5			
Major Anions	Chloride	mg/l	1	<1		
	Sulphate (as S)	mg/l	2	<2		
Major Cations	Calcium	mg/l	0.5	<0.5		
	Calcium (Filtered)	mg/l	0.5			
	Potassium	mg/l	0.5	1.1		
	Potassium (Filtered)	mg/l	0.5			
	Magnesium	mg/l	0.5	6.2		
	Magnesium (Filtered)	mg/l	0.5			
	Sodium	mg/l	0.5	17		
	Sodium (Filtered)	mg/l	0.5			
Metals & Metalloids	Arsenic (Total)	mg/l	0.001	<0.001		
	Arsenic (Total) (Filtered)	mg/l	0.001			
	Cadmium	mg/l	0.0002	<0.0002		
	Cadmium (Filtered)	mg/l	0.0001			
	Chromium (Total)	mg/l	0.001	<0.001		
	Chromium (Total) (Filtered)	mg/l	0.001			
	Copper	mg/l	0.001	<0.001		
	Copper (Filtered)	mg/l	0.001			
	Lead	mg/l	0.001	<0.001		
	Lead (Filtered)	mg/l	0.001			
	Mercury (Inorganic)	mg/l	0.0001	<0.0001		
	Mercury (Inorganic) (Filtered)	mg/l	0.00005			
	Nickel	mg/l	0.001	<0.001		
	Nickel (Filtered)	mg/l	0.001			
	Zinc	mg/l	0.005	<0.005		
	Zinc (Filtered)	mg/l	0.001			
Non-Metallic Inorganics	Ammonia (as N)	mg/l	0.01	<0.01		
	Nitrate (as N)	mg/l	0.02	<0.02		
	Sulphate (as S04)	mg/l	1			
Other	Total Dissolved Solids	mg/l	5	18		
Polycyclic Aromatic Hydrocarbons	Naphthalene	mg/l	0.001	<0.01		
TPHs (NEPC 1999)	C6-C9 Fraction	mg/l	0.01	<0.02		
	C10-C14 Fraction	mg/l	0.05	<0.05		
	C15-C28 Fraction	mg/l	0.1	<0.1		
	C29-C36 Fraction	mg/l	0.1	<0.1		
	C10-C36 Fraction (Total)	mg/l	0.1	<0.1		
TRHs (NEPC 2013)	>C10-C16 Fraction	mg/l	0.05	<0.05		
	>C16-C34 Fraction	mg/l	0.1	<0.1		
	>C34-C40 Fraction	mg/l	0.1	<0.1		
	C6-C10 Fraction	mg/l	0.01	<0.02		
	C6 - C10 less BTEX (F1)	mg/l	0.01	<0.02		
	>C10 - C16 less Naphthalene (F2)	mg/l	0.05	<0.05		

Filter: ALL

Field Duplicates (WATER)
Filter: ALL

Lab Report Number	503811	503811		503811	148156
Field ID	MW01	QA20160608-1	RPD	MW01	QC20160608-1
Sampled Date/Time	8/06/2016	8/06/2016		8/06/2016	8/06/2016

Chem_Group	ChemName	Units	EQL						
Metals & Metalloids	Arsenic (Total)	mg/l	0.001	0.004	0.004	0	0.004	0.004	0
	Cadmium (Total)	mg/l	0.0001	0.0001	0.0001	0	0.0001	<0.0001	0
	Chromium (Total)	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0
	Copper (Filtered)	mg/l	0.001	0.001	<0.001	0	0.001	<0.001	0
	Lead (Filtered)	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0
	Mercury (Inorganic)	mg/l	0.0001 (Primary): 0.00001	<0.0001	<0.0001	0	<0.0001	<0.0001	0
	Nickel (Filtered)	mg/l	0.001	0.01	0.009	11	0.01	0.008	22
	Zinc (Filtered)	mg/l	0.005 (Primary): 0.001 (Interim)	0.017	0.015	13	0.017	0.015	13
Non-Metals	Ammonia (as Nitrogen)	mg/l	0.01	0.14	0.13	7	0.14		
	Nitrate (as Nitrogen)	mg/l	0.02	1.7	2.1	21	1.7		
Organic Inorganics									
TPHs (NEP)	C6-C9 Fractions	mg/l	0.02 (Primary): 0.01 (Interim)	<0.02	<0.02	0	<0.02	<0.01	0
	C10-C14 Fractions	mg/l	0.05	<0.05	<0.05	0	<0.05	<0.05	0
	C15-C28 Fractions	mg/l	0.1	<0.1	<0.1	0	<0.1	<0.1	0
	C29-C36 Fractions	mg/l	0.1	<0.1	<0.1	0	<0.1	<0.1	0
	C10-C36 Fractions	mg/l	0.1	<0.1	<0.1	0	<0.1		
TPHs (NEP)	>C10-C16 Fractions	mg/l	0.05	<0.05	<0.05	0	<0.05	<0.05	0
	>C16-C34 Fractions	mg/l	0.1	<0.1	<0.1	0	<0.1	<0.1	0
	>C34-C40 Fractions	mg/l	0.1	<0.1	<0.1	0	<0.1	<0.1	0
	C6-C10 Fractions	mg/l	0.02 (Primary): 0.01 (Interim)	<0.02	<0.02	0	<0.02	<0.01	0
	C6 - C10 Fractions	mg/l	0.02 (Primary): 0.01 (Interim)	<0.02	<0.02	0	<0.02	<0.01	0
	>C10 - C16 Fractions	mg/l	0.05	<0.05	<0.05	0	<0.05	<0.05	0
BTEX	Benzene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0
	Ethylbenzene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0
	Toluene	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0
	Xylene (m)	mg/l	0.002	<0.002	<0.002	0	<0.002	<0.002	0
	Xylene (o)	mg/l	0.001	<0.001	<0.001	0	<0.001	<0.001	0
	Xylene (Total)	mg/l	0.003	<0.003	<0.003	0	<0.003		
Polycyclic Aromatic Hydrocarbons	Naphthalene	mg/l	0.01 (Primary): 0.001 (Interim)	<0.01	<0.01	0	<0.01	<0.001	0
Major Cations	Calcium	mg/l	0.5	55.0	56.0	2	55.0		
	Potassium	mg/l	0.5	8.4	8.4	0	8.4		
	Magnesium	mg/l	0.5	30.0	30.0	0	30.0		
	Sodium	mg/l	0.5	96.0	97.0	1	96.0		
Major Anions	Chloride	mg/l	1	93.0	73.0	24	93.0	86.0	8
	Sulphate (as Sulphur)	mg/l	2	<2.0	<2.0	0	<2.0		
Ionic Balance	Bicarbonate	mg/l	5	130.0	120.0	8	130.0		
	Carbonate	mg/l	5	<5.0	<5.0	0	<5.0		
pH	pH_Lab	pH units	0.1	7.3	6.9	6	7.3	7.5	3
Other	Total Dissolved Solids	mg/l	5	320.0	320.0	0	320.0		

*RPDs have only been considered where a concentration is greater than 1 times the EQL.

**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 50 (1-10 x EQL); 50 (10-30 x EQL); 50 (> 30 x EQL))

***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header