

Table A - SOIL
Summary Analytical Results
MacDonaldtown Triangle



Sample ID	Depth (m)	Date Sampled	Total Petroleum Hydrocarbons				Total Petroleum	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Asbestos
			C6 - C9	C10 - C14	C15 - C28	C29 - C36						
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
PQL ⁽¹⁾												
HL(F) ⁽³⁾												
TP1	0.1-0.3	17/08/05	<25	190	6200	3000	9390	<1	<1	<1	<3	-
TP2	0.5-0.6	17/08/05	<25	<50	<100	<100	ND	<1	<1	<1	<3	-
TP2	0.0-0.2	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP2	0.4-0.5	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP2	0.8-1.0	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP3	0.2-0.3	17/08/05	150	130	760	210	1100	3.2	10	2.8	179	-
TP3	0.4-0.6	17/08/05	<25	<50	<100	<100	ND	<1	<1	<1	<3	-
TP3	0.8-0.9	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP4	0.1-0.2	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP4	0.3-0.4	17/08/05	<25	-	-	-	-	<1	2.4	1.3	<3	-
TP4 - Pipe	-	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP5	0.4-0.5	17/08/05	-	-	-	-	-	<1	1.4	1	<3	-
TP6	0.7-0.8	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP6	1.3-1.5	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP7	0.1-0.2	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP7	0.4-0.6	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP7 Asb-1	-	17/08/05	-	-	-	-	-	-	-	-	-	Chrysotile detected
TP8	0.4-0.6	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP9	0.7-0.9	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP10	0.1-0.3	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP10	1.6-1.8	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
TP11	0.5-0.6	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
DUP 1	-	17/08/05	<25	210	12000	6300	18510	<1	<1	<1	<3	-
DUP 2	-	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-
DUP 3	-	17/08/05	-	-	-	-	-	<1	<1	<1	<3	-

⁽¹⁾ PQL for check lab may differ for some analytes

⁽²⁾ Sensitive Land Use Threshold Concentration. *Guidelines for Assessing Service Station Sites* (NSW EPA, 1994)

⁽³⁾ Health Investigation Level 'F': Commercial and Industrial - *National Environment Protection Measure (NEPC, 1999)*.

⁽⁴⁾ NSW DEC document that no asbestos fibres are to be detected in soil.

-	Sample not analysed
ND	Not detected (concentration below practical quantitation limit of testing laboratory)
N/A	Not Available (no threshold available)
24000	Exceeds HL (F) Investigation Level

Table A - SOIL
Summary Analytical Results
MacDonaldtown Triangle



Sample ID	Depth (m)	Date Sampled	Naphthalene mg/kg	Acenaphthylene mg/kg	Acenaphthene mg/kg	Fluorene mg/kg	Phenanthrene mg/kg	Anthracene mg/kg	Fluoranthene mg/kg	Pyrene mg/kg	Benz(a) anthracene mg/kg	Chrysene mg/kg	Benz(b,k) fluoranthene mg/kg	Benz(a) pyrene mg/kg	Indeno [1,2,3-c,d]py mg/kg	Dibenz(a,h) anthracene mg/kg	Benz(g,h,i) perylene mg/kg	Total PAH mg/kg
	PQL ⁽¹⁾		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.05	0.1	0.1	0.1	N/A
	HL(F) ⁽³⁾													5				100
TP1	0.1-0.3	17/08/05	16	29	2.3	12	150	24	140	160	80	77	97	67	20	5.8	18	898.1
TP1	0.5-0.6	17/08/05	0.3	0.2	<0.1	<0.1	1.4	0.4	2.2	3.3	1.5	1.5	1.9	1.3	0.7	0.2	0.7	15.6
TP2	0.0-0.2	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP2	0.4-0.5	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP2	0.8-1.0	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP3	0.2-0.3	17/08/05	2	<0.1	<0.1	<0.1	1.2	0.2	1.2	1.9	1.5	1.5	2	1.4	0.6	0.2	0.6	14.3
TP3	0.4-0.6	17/08/05	0.2	0.2	<0.1	<0.1	0.3	<0.1	0.4	0.6	0.3	0.3	0.7	0.4	0.4	<0.1	0.5	4.3
TP3	0.8-0.9	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP4	0.1-0.2	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP4	0.3-0.4	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP4 - Pipe	-	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP5	0.4-0.5	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP6	0.7-0.8	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP6	1.3-1.5	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP7	0.1-0.2	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP7	0.4-0.6	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP7 Asb-1	-	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP8	0.4-0.6	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP9	0.7-0.9	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP10	0.1-0.3	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP10	1.6-1.8	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP11	0.5-0.6	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP 1	-	17/08/05	17	44	2.9	17	280	45	300	340	190	180	230	170	27	3.2	21	1867.1
DUP 2	-	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP 3	-	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

⁽¹⁾ PQL for check lab may differ for some analytes

⁽²⁾ Sensitive Land Use Threshold Concentration. *Guidelines for Assessing Service Station Sites* (NSW EPA, 1994)

⁽³⁾ Health Investigation Level 'F' Commercial and Industrial. *National Environment Protection Measure (NEPC, 1999)*

⁽⁴⁾ NSW DEC document that no asbestos fibres are to be detected in soil.

- Sample not analysed
ND Not detected (concentration below practical quantitation limit of testing laboratory)
N/A Not Available (no threshold available)
24000 Exceeds HIL (F) Investigation Level

Table B
Waste Classification Data
MacDonaldtown Triangle



All Units in mg/kg (SCC), mg/L (TCLP)

Sample ID	Benzopyrene	Total PAH	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH C9-C9	TPH C10-C36	Arsenic	Cadmium	Chromium	Lead	Mercury	Nickel
Waste Class Without TCLP														
inert Waste	0.08	NA	1	28.8	60	100	NA	NA	10	2	10	10	0.4	4
Solid Waste	0.8	NA	10	288	600	1000	NA	NA	100	20	100	100	4	40
Industrial Waste	3.2	NA	40	1152	2400	4000	NA	NA	400	80	400	400	16	160
Waste Class With TCLP														
inert Waste	1	200	18	518	1060	1800	5	5000	500	100	1900	1500	50	1050
Solid Waste	10	200	18	518	1060	1800	50	10000	500	100	1900	1500	50	1050
Industrial Waste	23	800	72	2073	4320	7200	200	40000	2000	400	7600	6000	200	4200
TP1 / 0.1-0.3	67.0	988.1	<1	<1	<1	<3	<25	9350.19	9.0	<1	<0.02	2360.0	0.2	<0.0005
TP1 / 0.5-0.6	1.3	15.6	<1	<1	<1	<3	<25	ND	9.0	<1	<0.02	100.0	0.05	<0.0005
TP2 / 0.2-0.3	1.4	14.3	3.2	10.0	2.8	179.0	150	1100	<4	<1	<0.02	86.0	<0.1	<0.0005
TP2 / 0.4-0.6	0.4	4.3	<1	<0.001	<1	<3	<25	ND	<4	<1	<0.02	120.0	<0.1	<0.0005
TP4 / 0.3-0.4	-	-	<1	0.008	1.3	<3	<3	-	-	-	-	-	-	-

⁽¹⁾ Maximum total concentration listed in Table A4 of the NSW EPA Environmental Guidelines Assessment, Classification and Management of Liquid and Non-liquid Wastes

⁽²⁾ Maximum leachable concentration listed in Table A4 of the NSW EPA Environmental Guidelines Assessment, Classification and Management of Liquid and Non-liquid Wastes

⁽³⁾ It is noted that the duplicate of this sample (DUP1) recorded a TPH C10-C36 concentration of 18510 mg/kg, which exceeds the solid waste criteria

ND Not Detected (concentration below practical quantitation limit of testing laboratory)
NA Not Applicable (no threshold available)

Sample not analysed

Exceeds inert waste classification with TCLP

Exceeds Solid waste classification with TCLP

Exceeds industrial waste classification with TCLP

Table C - SOIL
Summary of RPDs
MacDonaldtown Triangle



Sample ID	Depth (m)	Date Sampled	Arsenic (total) mg/kg	Cadmium mg/kg	Chromium mg/kg	Copper mg/kg	Lead mg/kg	Mercury (inorganic) mg/kg	Nickel mg/kg	Zinc mg/kg
TP1	0.1-0.3	17/08/05	9	<1	5.3	130	230	0.17	18	170
DUP 1	-	17/08/05	20	<1	7.5	160	260	0.19	16	270
RPDs (Dup.)	%	17/08/05	75.9	NC	34.4	20.7	12.2	11.1	11.8	45.5
TP7	0.4-0.6	17/08/05	-	-	-	-	-	-	-	-
DUP 2 (Envirol.)	-	17/08/05	-	-	-	-	-	-	-	-
RPDs (Dup.)	%	17/08/05	-	-	-	-	-	-	-	-
TP8	0.4-0.6	17/08/05	-	-	-	-	-	-	-	-
DUP 3	-	17/08/05	-	-	-	-	-	-	-	-
RPDs (Dup.)	%	17/08/05	-	-	-	-	-	-	-	-

Sample ID	Depth (m)	Date Sampled	Total Petroleum Hydrocarbons										Total	
			C6 - C9 mg/kg	C10 - C14 mg/kg	C15 - C28 mg/kg	C29 - C36 mg/kg	C37 - C40 mg/kg	C41 - C50 mg/kg	C51 - C60 mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	Asbestos
TP1	0.1-0.3	17/08/05	<25	190	6200	3000	9390	18510	<1	<1	<1	<1	<3	-
DUP 1	-	17/08/05	<25	210	12000	6300	18510	<1	<1	<1	<1	<1	<3	-
RPDs (Dup.)	%	17/08/05	NC	10.0	63.7	71.0	65.4	NC	NC	NC	NC	NC	NC	Nil
TP7	0.4-0.6	17/08/05	-	-	-	-	-	-	<1	<1	<1	<1	<3	-
DUP 2 (Envirol.)	-	17/08/05	-	-	-	-	-	-	<1	<1	<1	<1	<3	-
RPDs (Dup.)	%	17/08/05	-	-	-	-	-	-	NC	NC	NC	NC	NC	NC
TP8	0.4-0.6	17/08/05	-	-	-	-	-	-	<1	<1	<1	<1	<3	-
DUP 3	-	17/08/05	-	-	-	-	-	-	<1	<1	<1	<1	<3	-
RPDs (Dup.)	%	17/08/05	-	-	-	-	-	-	NC	NC	NC	NC	NC	-

Sample ID	Depth (m)	Date Sampled	Total Petroleum Hydrocarbons										Total									
			Naphthalene mg/kg	Acenaphthylene mg/kg	Acenaphthene mg/kg	Fluorene mg/kg	Phenanthrene mg/kg	Anthracene mg/kg	Fluoranthene mg/kg	Pyrene mg/kg	Benzo(a)anthracene mg/kg	Chrysene mg/kg	Benzo(b)fluoranthene mg/kg	Benzo(k)fluoranthene mg/kg	Benzo(e)pyrene mg/kg	Indeno(1,2,3-c,d)pyrene mg/kg	Perylene mg/kg	Triphenylene mg/kg	Pyrene mg/kg	Benzo(a)pyrene mg/kg	Benzo(b)fluoranthene mg/kg	Benzo(k)fluoranthene mg/kg
TP1	0.1-0.3	17/08/05	16	29	2.3	12	150	24	140	160	80	77	97	230	170	27	21	1857.1	1857.1	1857.1	1857.1	1857.1
DUP 1	-	17/08/05	17	44	2.9	17	280	45	300	340	190	180	230	230	170	27	21	1857.1	1857.1	1857.1	1857.1	1857.1
RPDs (Dup.)	%	17/08/05	6.1	41.1	23.1	34.5	60.5	60.9	72.7	72.0	81.5	80.2	81.3	86.9	86.9	29.8	15.4	70.1	70.1	70.1	70.1	70.1
TP7	0.4-0.6	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP 2 (Envirol.)	-	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPDs (Dup.)	%	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP8	0.4-0.6	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP 3	-	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPDs (Dup.)	%	17/08/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- Sample not analysed
ND Not detected (concentration below practical quantitation limit of testing laboratory)
NC Not calculated - either primary sample or duplicate sample was below detection or both.
40 The nominally acceptable RPD has been exceeded.