

	Client Sample ID		CCM104Q_QC8_140308	CCM104Q_140308
	Lab Number		08-MA08260	08-MA08260
	Matrix		Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008
	LOR	Units		
	0.1	mg/kg	< 0.1	< 0.1
	0.1	mg/kg	< 0.1	< 0.1
	0.5	mg/kg	< 0.5	< 0.5
	0.1	mg/kg	< 0.1	< 0.1
	0.1	mg/kg	< 0.1	< 0.1
	0.1	mg/kg	< 0.1	< 0.1
	0.1	mg/kg	< 0.1	< 0.1
	0.2	mg/kg	< 0.2	< 0.2
	0.1	mg/kg	< 0.1	< 0.1
	0.5	mg/kg	< 0.5	< 0.5
	0.1	mg/kg	< 0.1	< 0.1
	1	%	76	9
	0.1	%	14	6
	5	mg/kg	< 5	1

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Client Sample ID		CCM104Q_QC12_140308	CCM104Q_QC13_140308	CCM104Q_VP18_140308	CCM104Q_VP19_140308
Level 1, 60 Leichhardt street	Lab Number	08-MA08264	08-MA08265	08-MA08266	08-MA08267
Spring Hill	Matrix	Soil	Water	Soil	Soil
QLD 4004	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	100	< 0.02	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	3800	< 0.05	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	4700	< 0.1	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	190	< 0.1	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.001	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.001	< 0.05
Ethylbenzene	0.05	mg/kg	0.17	< 0.001	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	4.4	< 0.001	< 0.05
Fluorobenzene (surr.)	1	%	77	97	72
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.5	< 0.001	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.5	< 0.001	< 0.1
Anthracene	0.1	mg/kg	2.8	< 0.001	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Fluoranthene	0.1	mg/kg	0.2	< 0.001	< 0.1
Fluorene	0.1	mg/kg	1.8	< 0.001	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Naphthalene	0.1	mg/kg	3.0	< 0.001	< 0.1
Phenanthrene	0.1	mg/kg	2.6	< 0.001	< 0.1
Pyrene	0.1	mg/kg	0.4	< 0.001	< 0.1
Total PAH	0.1	mg/kg	11	< 0.001	< 0.1
Chrysene-d12 (surr.)	1	%	108	118	130
2-Fluorobiphenyl (surr.)	1	%	102	104	108

COMMENTS:

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ERM	Client Sample ID		CCM104Q_QC12_140308	CCM104Q_QC13_140308	CCM104Q_VP18_140308	CCM104Q_VP19_140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08264	08-MA08265	08-MA08266	08-MA08267
Spring Hill	Matrix		Soil	Water	Soil	Soil
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Organochlorine Pesticides						
4,4'-DDD	0.05	mg/kg	< 0.05	-	-	-
4,4'-DDE	0.05	mg/kg	< 0.05	-	-	-
4,4'-DDT	0.05	mg/kg	< 0.05	-	-	-
a-BHC	0.05	mg/kg	< 0.05	-	-	-
Aldrin	0.05	mg/kg	< 0.05	-	-	-
b-BHC	0.05	mg/kg	< 0.05	-	-	-
Chlordane	0.1	mg/kg	< 0.1	-	-	-
d-BHC	0.05	mg/kg	< 0.05	-	-	-
Dieldrin	0.05	mg/kg	< 0.05	-	-	-
Endosulfan I	0.05	mg/kg	< 0.05	-	-	-
Endosulfan II	0.05	mg/kg	< 0.05	-	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	-
Endrin	0.05	mg/kg	< 0.05	-	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	-
Endrin ketone	0.05	mg/kg	< 0.05	-	-	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	-	-
Heptachlor	0.05	mg/kg	< 0.05	-	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	-
Methoxychlor	0.05	mg/kg	< 0.05	-	-	-
Toxophene	0.1	mg/kg	< 0.1	-	-	-
Dibutylchlorodate (surr.)	1	%	103	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	89	-	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	-

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_QC12_140308	CCM104Q_QC13_140308	CCM104Q_VP18_140308	CCM104Q_VP19_140308
	Lab Number		08-MA08264	08-MA08265	08-MA08266	08-MA08267
	Matrix		Soil	Water	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	-
Total PCB	1	mg/kg	< 1	-	-	-
Dibutylchlorendate (surr.)	1	%	103	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	89	-	-	-
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
2-Nitrophenol	0.5	mg/kg	< 0.5	< 0.005	< 0.5	-
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	< 0.002	< 0.2	-
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
Pentachlorophenol	0.5	mg/kg	< 0.5	< 0.005	< 0.5	-
Phenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
Phenol-d6 (surr.)	1	%	102	108	117	-
Organophosphorous Pesticides						
Chlorpyrifos	0.2	mg/kg	< 0.5	-	-	-
Chlorpyrifos Methyl*	0.2	mg/kg	< 0.5	-	-	-
Diazinon	0.2	mg/kg	< 0.5	-	-	-
Dimethoate	0.2	mg/kg	< 0.5	-	-	-
Ethion	0.2	mg/kg	< 0.5	-	-	-
Fenitrothion	0.2	mg/kg	< 0.5	-	-	-
Fenthion	0.2	mg/kg	< 0.5	-	-	-
Malathion	0.2	mg/kg	< 0.5	-	-	-
Methyl azinphos	0.2	mg/kg	< 0.5	-	-	-

COMMENTS: * Non NATA Endorsed analysis

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_QC12_ 140308	CCM104Q_QC13_ 140308	CCM104Q_VP18_ 140308	CCM104Q_VP19_ 140308
	Lab Number		08-MA08264	08-MA08265	08-MA08266	08-MA08267
	Matrix		Soil	Water	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Methyl parathion	0.2	mg/kg	< 0.5	-	-	-
Parathion*	0.2	mg/kg	*	-	-	-
Ronnel	0.2	mg/kg	< 0.5	-	-	-
Temephos*	0.2	mg/kg	*	-	-	-
% Moisture	0.1	%	10	-	9.8	12
Chromium (hexavalent)	1	mg/kg	< 1			
Heavy Metals						
Chromium (trivalent)	5	mg/kg	30	-	-	-
Heavy Metals						
Boron	10	mg/kg	< 10	-	-	-
Lead	5	mg/kg	18	< 0.001	7.4	< 5
Mercury	0.1	mg/kg	< 0.1	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	3.0	-	-	-
Cadmium	0.5	mg/kg	< 0.5	-	-	-
Chromium	5	mg/kg	30	-	-	-
Cobalt	5	mg/kg	8.0	-	-	-
Copper	5	mg/kg	8.1	-	-	-
Lead	5	mg/kg	18	-	-	-
Molybdenum	10	mg/kg	< 10	-	-	-
Nickel	5	mg/kg	6.0	-	-	-
Selenium	2	mg/kg	< 2	-	-	-
Tin	10	mg/kg	< 10	-	-	-
Zinc	5	mg/kg	42			

COMMENTS: * Non NATA Endorsed analysis

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Client Sample ID		CCM104Q_VP20_140308	CCM104Q_VP21_140308	CCM104Q_VP22_140308	CCM104Q_VP23_140308
Level 1, 60 Leichhardt street	Lab Number	08-MA08268	08-MA08269	08-MA08270	08-MA08271
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	49	25
TRH C10-C14 Fraction by GC	50	mg/kg	72	640	380
TRH C15-C28 Fraction by GC	100	mg/kg	110	960	1200
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	0.15	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	0.17
Ethylbenzene	0.05	mg/kg	< 0.05	0.76	0.34
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	1.4	2.5
Fluorobenzene (surr.)	1	%	76	79	80
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	-	< 1
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Fluorene	0.1	mg/kg	< 0.1	-	< 0.5
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	-	< 1
Phenanthrene	0.1	mg/kg	< 0.1	-	< 0.2
Pyrene	0.1	mg/kg	< 0.1	-	< 0.2
Total PAH	0.1	mg/kg	< 0.1	-	< 1
Chrysene-d12 (surr.)	1	%	118	-	104
2-Fluorobiphenyl (surr.)	1	%	103	-	86

COMMENTS:

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	Client Sample ID		CCM104Q_VP20_140308	CCM140308
	Lab Number		08-MA08268	08-M
	Matrix		Soil	Soil
	Sample Date		Mar 14, 2008	Mar
	LOR	Units		
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.5	mg/kg	< 0.5	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.2	mg/kg	< 0.2	
	0.1	mg/kg	< 0.1	
	0.5	mg/kg	< 0.5	
	0.1	mg/kg	< 0.1	
	1	%	109	
	0.1	%	13	
	5	mg/kg	11	

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Level 1, 60 Leichhardt street	Client Sample ID		CCM104Q_VP24_140308	CCM104Q_VP25_140308	CCM104Q_VP26_140308	CCM104Q_VP27_140308
Spring Hill	Lab Number		08-MA08272	08-MA08273	08-MA08274	08-MA08275
QLD 4004	Matrix		Soil	Soil	Soil	Soil
Analysis Type	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Total Recoverable Hydrocarbons	LOR	Units				
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50	330
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100	1400
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.1
Fluorobenzene (surr.)	1	%	75	70	74	74
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluorene	0.1	mg/kg	< 0.1	-	< 0.1	-
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Naphthalene	0.1	mg/kg	< 0.1	-	< 0.1	-
Phenanthrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PAH	0.1	mg/kg	< 0.1	-	< 0.1	-
Chrysene-d12 (surr.)	1	%	110	-	107	-
2-Fluorobiphenyl (surr.)	1	%	101	-	89	-

COMMENTS:

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	Client Sample ID		CCM104Q_VP24_140308	CCM104Q_140308
	Lab Number		08-MA08272	08-MA08272
	Matrix		Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008
	LOR	Units		
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.5	mg/kg	< 0.5	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.2	mg/kg	< 0.2	
	0.1	mg/kg	< 0.1	
	0.5	mg/kg	< 0.5	
	0.1	mg/kg	< 0.1	
	1	%	72	
	0.1	%	7.6	8
	5	mg/kg	30	6

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Level 1, 60 Leichhardt street	Client Sample ID		CCM104Q_VP28_140308	CCM104Q_VP29_140308	CCM104Q_VP30_140308	CCM104Q_V1-2.5_120308
Spring Hill	Lab Number		08-MA08276	08-MA08277	08-MA08278	08-MA08279
QLD 4004	Matrix		Soil	Soil	Soil	Soil
Analysis Type	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 12, 2008
Total Recoverable Hydrocarbons	LOR	Units				
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	200	2700	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	650	1800	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	240	150	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	190	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	2.0	< 0.05
Toluene	0.05	mg/kg	< 0.05	13	210	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	8.8	92	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.1	67	810	< 0.2
Fluorobenzene (surr.)	1	%	79	96	97	77
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	-	0.2	-
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluorene	0.1	mg/kg	< 0.1	-	0.2	-
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Naphthalene	0.1	mg/kg	< 0.1	-	38	-
Phenanthrene	0.1	mg/kg	< 0.1	-	0.3	-
Pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PAH	0.1	mg/kg	< 0.1	-	39	-
Chrysene-d12 (surr.)	1	%	104	-	128	-
2-Fluorobiphenyl (surr.)	1	%	91	-	124	-

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_VP28_ 140308	CCM104Q_VP29_ 140308	CCM104Q_VP30_ 140308	CCM104Q_V1-2.5_ 120308
	Lab Number		08-MA08276	08-MA08277	08-MA08278	08-MA08279
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 12, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	-	< 1	-
2-Nitrophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	-	< 0.5	-
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	-	< 0.5	-
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	-	< 0.1	-
Pentachlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenol	0.1	mg/kg	< 0.1	-	< 0.2	-
Phenol-d6 (surr.)	1	%	98	-	123	-
% Moisture	0.1	%	10	14	9.5	13
Heavy Metals						
Lead	5	mg/kg	6.1	5.9	6.1	< 5

COMMENTS:

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Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V2-1.25_120308	CCM104Q_V3-2.6_140308	CCM104Q_V4-1.25_140308	CCM104Q_V5-2.2_140308
	Lab Number		08-MA08280	08-MA08281	08-MA08282	08-MA08283
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 12, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	110	63	390
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	1500	1000	1000
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	5500	2500	1500
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.2	< 0.1	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	0.28	0.32	1.5
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.4	0.40	0.09	0.10
Fluorobenzene (surr.)	1	%	82	83	76	86
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	-	0.4	-
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Anthracene	0.1	mg/kg	< 0.1	-	2.2	-
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluoranthene	0.1	mg/kg	< 0.1	-	0.2	-
Fluorene	0.1	mg/kg	< 0.1	-	0.8	-
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Naphthalene	0.1	mg/kg	< 0.1	-	0.6	-
Phenanthrene	0.1	mg/kg	< 0.1	-	1.9	-
Pyrene	0.1	mg/kg	< 0.1	-	0.2	-
Total PAH	0.1	mg/kg	< 0.1	-	6.3	-
Chrysene-d12 (surr.)	1	%	95	-	96	-
2-Fluorobiphenyl (surr.)	1	%	91	-	82	-

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ERM	Client Sample ID		CCM104Q_V2-1.25_120308	CCM104Q_V3-2.6_140308	CCM104Q_V4-1.25_140308	CCM104Q_V5-2.2_140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08280	08-MA08281	08-MA08282	08-MA08283
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 12, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	-	< 0.1	-
2-Nitrophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	-	< 0.2	-
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	-	< 0.1	-
Pentachlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenol	0.1	mg/kg	< 0.1	-	< 0.1	-
Phenol-d6 (surr.)	1	%	80	-	81	-
% Moisture	0.1	%	13	12	12	13
Heavy Metals						
Lead	5	mg/kg	< 5	< 5	5.2	< 5

COMMENTS:

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Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V6-1.0_140308	CCM104Q_V7-2.2_140308	CCM104Q_V8-1.0_140308	CCM104Q_V9-1.0_140308
	Lab Number		08-MA08284	08-MA08285	08-MA08286	08-MA08287
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	160	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	3000	1300	1100	930
TRH C15-C28 Fraction by GC	100	mg/kg	11000	3500	3000	3000
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	0.17	< 0.05	0.07	0.10
Ethylbenzene	0.05	mg/kg	0.08	0.67	0.09	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	0.15	0.21	0.10	0.12
Fluorobenzene (surr.)	1	%	76	89	89	103
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	0.4	-	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	0.2	0.2	-	0.2
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	0.2	0.2	-	0.2
Fluorene	0.1	mg/kg	1.5	1.5	-	1.6
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	2.1	1.3	-	2.1
Phenanthrene	0.1	mg/kg	1.7	2.2	-	1.9
Pyrene	0.1	mg/kg	0.4	0.2	-	0.2
Total PAH	0.1	mg/kg	6.1	6.0	-	6.2
Chrysene-d12 (surr.)	1	%	97	101	-	101
2-Fluorobiphenyl (surr.)	1	%	102	92	-	94

COMMENTS:

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	Client Sample ID		CCM104Q_V6-1.0.140308
	Lab Number		08-MA08284
	Matrix		Soil
	Sample Date		Mar 14, 2008
	LOR	Units	
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.2	mg/kg	< 0.2
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	1	%	92
	0.1	%	7.5
	5	mg/kg	< 5

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Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V10-2.2 140308	CCM104Q_V11-0.5 140308	CCM104Q_V12-0.5 140308	CCM104Q_V13-2.2 140308
	Lab Number		08-MA08288	08-MA08289	08-MA08290	08-MA08291
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	510
TRH C10-C14 Fraction by GC	50	mg/kg	410	< 50	1900	1400
TRH C15-C28 Fraction by GC	100	mg/kg	1500	140	4200	1900
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	0.07
Toluene	0.05	mg/kg	< 0.05	< 0.05	0.06	0.13
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	1.3
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	0.06	0.09	8.1
Fluorobenzene (surr.)	1	%	95	89	92	84
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	-	< 0.1	-	0.4
Acenaphthylene	0.1	mg/kg	-	< 0.1	-	0.3
Anthracene	0.1	mg/kg	-	< 0.1	-	0.2
Benz(a)anthracene	0.1	mg/kg	-	< 0.1	-	0.3
Benzo(a)pyrene	0.1	mg/kg	-	< 0.1	-	0.1
Benzo(b)fluoranthene	0.1	mg/kg	-	< 0.1	-	0.2
Benzo(g,h,i)perylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	-	< 0.1	-	0.2
Chrysene	0.1	mg/kg	-	< 0.1	-	0.3
Dibenz(a,h)anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	-	< 0.1	-	1.1
Fluorene	0.1	mg/kg	-	< 0.1	-	1.0
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	-	< 0.1	-	9.2
Phenanthrene	0.1	mg/kg	-	< 0.1	-	3.3
Pyrene	0.1	mg/kg	-	< 0.1	-	1.0
Total PAH	0.1	mg/kg	-	< 0.1	-	18
Chrysene-d12 (surr.)	1	%	-	97	-	140
2-Fluorobiphenyl (surr.)	1	%	-	80	-	130

COMMENTS:

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	Client Sample ID		CCM104Q_V10-2.140308
	Lab Number		08-MA08288
	Matrix		Soil
	Sample Date		Mar 14, 2008
	LOR	Units	
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.5	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.2	mg/kg	-
	0.1	mg/kg	-
	0.5	mg/kg	-
	0.1	mg/kg	-
	1	%	-
	0.1	%	25
	5	mg/kg	< 5

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Client Sample ID		CCM104Q_V14-2.2 140308	CCM104Q_V15-1.0 140308	CCM104Q_V16-1.8 140308	CCM104Q_V17-0.5 140308
Level 1, 60 Leichhardt street Spring Hill QLD 4004	Lab Number	08-MA08292	08-MA08293	08-MA08294	08-MA08295
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	110	340
TRH C10-C14 Fraction by GC	50	mg/kg	630	470	2800
TRH C15-C28 Fraction by GC	100	mg/kg	1100	440	4700
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	0.17
Toluene	0.05	mg/kg	0.13	0.68	6.1
Ethylbenzene	0.05	mg/kg	0.61	4.3	9.1
Xylenes(ortho.meta and para)	0.05	mg/kg	2.6	26	41
Fluorobenzene (surr.)	1	%	91	87	91
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	-	< 0.1	-
Acenaphthylene	0.1	mg/kg	-	< 0.1	-
Anthracene	0.1	mg/kg	-	< 0.1	-
Benz(a)anthracene	0.1	mg/kg	-	< 0.1	-
Benzo(a)pyrene	0.1	mg/kg	-	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	-	< 0.1	-
Benzo(g,h,i)perylene	0.1	mg/kg	-	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	-	< 0.1	-
Chrysene	0.1	mg/kg	-	< 0.1	-
Dibenz(a,h)anthracene	0.1	mg/kg	-	< 0.1	-
Fluoranthene	0.1	mg/kg	-	< 0.1	-
Fluorene	0.1	mg/kg	-	0.4	-
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	-	< 0.1	-
Naphthalene	0.1	mg/kg	-	4.9	-
Phenanthrene	0.1	mg/kg	-	0.8	-
Pyrene	0.1	mg/kg	-	< 0.1	-
Total PAH	0.1	mg/kg	-	6.1	-
Chrysene-d12 (surr.)	1	%	-	103	-
2-Fluorobiphenyl (surr.)	1	%	-	91	-

COMMENTS:

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	Client Sample ID		CCM104Q_V14-2.2_140308
	Lab Number		08-MA08292
	Matrix		Soil
	Sample Date		Mar 14, 2008
	LOR	Units	
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.5	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.2	mg/kg	-
	0.1	mg/kg	-
	0.5	mg/kg	-
	0.1	mg/kg	-
	1	%	-
	0.1	%	10
	5	mg/kg	73

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Client Sample ID		CCM104Q_V18-1.8 140308	CCM104Q_V19-1.8 140308	CCM104Q_V20-0.5 140308	CCM104Q_V21-1.5 140308
Level 1, 60 Leichhardt street Spring Hill QLD 4004	Lab Number	08-MA08296	08-MA08297	08-MA08298	08-MA08299
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	190	190	240
TRH C10-C14 Fraction by GC	50	mg/kg	3000	3000	3600
TRH C15-C28 Fraction by GC	100	mg/kg	4500	5600	9100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	1.0	1.2	0.29
Toluene	0.05	mg/kg	0.19	0.28	0.45
Ethylbenzene	0.05	mg/kg	6.7	4.2	1.7
Xylenes(ortho.meta and para)	0.05	mg/kg	6.1	14	7.3
Fluorobenzene (surr.)	1	%	76	82	75
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	-	1.4	-
Acenaphthylene	0.1	mg/kg	-	1.0	-
Anthracene	0.1	mg/kg	-	0.3	-
Benz(a)anthracene	0.1	mg/kg	-	0.2	-
Benzo(a)pyrene	0.1	mg/kg	-	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	-	< 0.1	-
Benzo(g,h,i)perylene	0.1	mg/kg	-	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	-	< 0.1	-
Chrysene	0.1	mg/kg	-	0.2	-
Dibenz(a,h)anthracene	0.1	mg/kg	-	< 0.1	-
Fluoranthene	0.1	mg/kg	-	0.5	-
Fluorene	0.1	mg/kg	-	4.7	-
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	-	< 0.1	-
Naphthalene	0.1	mg/kg	-	15	-
Phenanthrene	0.1	mg/kg	-	8.0	-
Pyrene	0.1	mg/kg	-	0.5	-
Total PAH	0.1	mg/kg	-	32	-
Chrysene-d12 (surr.)	1	%	-	108	-
2-Fluorobiphenyl (surr.)	1	%	-	98	-

COMMENTS:

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	Client Sample ID		CCM104Q_V18-1.8_140308	CCM104Q_V18-1.8_140308
	Lab Number		08-MA08296	08-MA08296
	Matrix		Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008
	LOR	Units		
	0.1	mg/kg	-	< 0.1
	0.1	mg/kg	-	< 0.1
	0.5	mg/kg	-	< 0.5
	0.1	mg/kg	-	< 0.1
	0.1	mg/kg	-	< 0.1
	0.1	mg/kg	-	< 0.1
	0.1	mg/kg	-	< 0.1
	0.2	mg/kg	-	< 0.2
	0.1	mg/kg	-	< 0.1
	0.5	mg/kg	-	< 0.5
	0.1	mg/kg	-	< 0.1
	1	%	-	9
	0.1	%	16	16
	5	mg/kg	< 5	5

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Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V22-1.5 140308	CCM104Q_V23-2.5 140308	CCM104Q_V24-2.5 140308	CCM104Q_V25-2.2 140308
	Lab Number		08-MA08300	08-MA08301	08-MA08302	08-MA08303
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	31	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	160	< 50	< 50	87
TRH C15-C28 Fraction by GC	100	mg/kg	230	< 100	< 100	180
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	0.93	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	0.20	< 0.05	< 0.05	0.08
Fluorobenzene (surr.)	1	%	76	86	76	79
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Acenaphthylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benz(a)anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	-	< 0.1	-	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Fluorene	0.1	mg/kg	-	< 0.1	-	< 0.2
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	-	< 0.1	-	< 0.1
Phenanthrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Total PAH	0.1	mg/kg	-	< 0.1	-	< 0.2
Chrysene-d12 (surr.)	1	%	-	116	-	104
2-Fluorobiphenyl (surr.)	1	%	-	105	-	90

COMMENTS:

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ERM	Client Sample ID		CCM104Q_V22-1.5 140308	CCM104Q_V23-2.5 140308	CCM104Q_V24-2.5 140308	CCM104Q_V25-2.2 140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08300	08-MA08301	08-MA08302	08-MA08303
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	-	< 0.1	-	< 0.1
2-Nitrophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	-	< 0.2	-	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	-	< 0.1	-	< 0.1
Pentachlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
Phenol	0.1	mg/kg	-	< 0.1	-	< 0.1
Phenol-d6 (surr.)	1	%	-	107	-	85
% Moisture	0.1	%	14	14	13	13
Heavy Metals						
Lead	5	mg/kg	5.8	< 5	< 5	< 5

COMMENTS:

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ERM

Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V26-2.2 _140308	CCM104Q_V27-2.2 _140308	CCM104Q_V28-2.2 _140308	CCM104Q_V29-2.2 _140308
	Lab Number		08-MA08304	08-MA08305	08-MA08306	08-MA08307
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	27	< 20	93
TRH C10-C14 Fraction by GC	50	mg/kg	170	1300	170	1300
TRH C15-C28 Fraction by GC	100	mg/kg	350	2100	480	2500
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	0.48	< 0.05	0.16
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	0.69	< 0.1	0.33
Fluorobenzene (surr.)	1	%	96	74	92	82
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluorene	0.1	mg/kg	< 0.2	-	< 0.2	-
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Naphthalene	0.1	mg/kg	0.7	-	< 0.1	-
Phenanthrene	0.1	mg/kg	0.4	-	0.2	-
Pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PAH	0.1	mg/kg	1.1	-	0.2	-
Chrysene-d12 (surr.)	1	%	114	-	116	-
2-Fluorobiphenyl (surr.)	1	%	118	-	100	-

COMMENTS:

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ERM	Client Sample ID		CCM104Q_V26-2.2 140308	CCM104Q_V27-2.2 140308	CCM104Q_V28-2.2 140308	CCM104Q_V29-2.2 140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08304	08-MA08305	08-MA08306	08-MA08307
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	-	< 0.1	-
2-Nitrophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	-	< 0.2	-
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	-	< 0.1	-
Pentachlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenol	0.1	mg/kg	< 0.1	-	< 0.1	-
Phenol-d6 (surr.)	1	%	100	-	104	-
% Moisture	0.1	%	9.6	10	9.7	7.8
Heavy Metals						
Lead	5	mg/kg	< 5	9.2	6.3	< 5

COMMENTS:

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ERM

Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V30-1.5 140308	CCM104Q_V31-1.5 140308	CCM104Q_V32-1.5 140308	CCM104Q_V33-1.5 140308
	Lab Number		08-MA08308	08-MA08309	08-MA08310	08-MA08311
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	87	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	390	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	0.60	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	109	91	109	86
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluorene	0.1	mg/kg	< 0.2	-	< 0.1	-
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Naphthalene	0.1	mg/kg	0.4	-	< 0.1	-
Phenanthrene	0.1	mg/kg	0.4	-	< 0.1	-
Pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PAH	0.1	mg/kg	0.8	-	< 0.1	-
Chrysene-d12 (surr.)	1	%	107	-	140	-
2-Fluorobiphenyl (surr.)	1	%	98	-	122	-

COMMENTS:

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	Client Sample ID		CCM104Q_V30-1.140308
	Lab Number		08-MA08308
	Matrix		Soil
	Sample Date		Mar 14, 2008
	LOR	Units	
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.2	mg/kg	< 0.2
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	1	%	78
	0.1	%	7.4
	5	mg/kg	28

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Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V34_ 140308	CCM104Q_V35-1.5 140308	CCM104Q_V36-1.5 140308	CCM104Q_V37-1.5 140308
	Lab Number		08-MA08312	08-MA08313	08-MA08314	08-MA08315
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	64	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	1500	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	3800	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	0.11	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	1.2	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	0.25	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	100	119	81	103
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluorene	0.1	mg/kg	< 0.1	-	< 0.1	-
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Naphthalene	0.1	mg/kg	0.3	-	< 0.1	-
Phenanthrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PAH	0.1	mg/kg	0.3	-	< 0.1	-
Chrysene-d12 (surr.)	1	%	124	-	113	-
2-Fluorobiphenyl (surr.)	1	%	129	-	98	-

COMMENTS:

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	Client Sample ID		CCM104Q_V34_140308	CCM104Q_V34_140308
	Lab Number		08-MA08312	08-MA08312
	Matrix		Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008
	LOR	Units		
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.5	mg/kg	< 0.5	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.2	mg/kg	< 0.2	
	0.1	mg/kg	< 0.1	
	0.5	mg/kg	< 0.5	
	0.1	mg/kg	< 0.1	
	1	%	135	
	0.1	%	8.7	9
	5	mg/kg	< 5	<

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ERM

Client Sample ID		CCM104Q_V30-1.5_140308	CCM104Q_V39-1.5_140308	CCM104Q_PB_140308	CCM104Q_SP1_140308
Level 1, 60 Leichhardt street	Lab Number	08-MA08316	08-MA08317	08-MA08318	08-MA08319
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	28
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	1500
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	12000
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	3200
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	0.30
Fluorobenzene (surr.)	1	%	83	82	125
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	-	< 2
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	< 0.1	-	< 1
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.2
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	< 0.1	-	< 0.2
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.5
Fluorene	0.1	mg/kg	< 0.1	-	< 2
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	-	< 0.2
Phenanthrene	0.1	mg/kg	< 0.1	-	1.9
Pyrene	0.1	mg/kg	< 0.1	-	< 1
Total PAH	0.1	mg/kg	< 0.1	-	1.9
Chrysene-d12 (surr.)	1	%	115	-	119
2-Fluorobiphenyl (surr.)	1	%	106	-	107

COMMENTS:

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ERM	Client Sample ID		CCM104Q_V30-1.5_140308	CCM104Q_V39-1.5_140308	CCM104Q_PB_140308	CCM104Q_SP1_140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08316	08-MA08317	08-MA08318	08-MA08319
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Organochlorine Pesticides						
4,4'-DDD	0.05	mg/kg	-	-	-	< 0.05
4,4'-DDE	0.05	mg/kg	-	-	-	< 0.05
4,4'-DDT	0.05	mg/kg	-	-	-	< 0.05
a-BHC	0.05	mg/kg	-	-	-	< 0.05
Aldrin	0.05	mg/kg	-	-	-	< 0.05
b-BHC	0.05	mg/kg	-	-	-	< 0.05
Chlordane	0.1	mg/kg	-	-	-	< 0.1
d-BHC	0.05	mg/kg	-	-	-	< 0.05
Dieldrin	0.05	mg/kg	-	-	-	0.07
Endosulfan I	0.05	mg/kg	-	-	-	< 0.05
Endosulfan II	0.05	mg/kg	-	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	-	< 0.05
Endrin	0.05	mg/kg	-	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	-	< 0.05
Endrin ketone	0.05	mg/kg	-	-	-	< 0.05
g-BHC (Lindane)	0.05	mg/kg	-	-	-	< 0.05
Heptachlor	0.05	mg/kg	-	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	-	< 0.05
Methoxychlor	0.05	mg/kg	-	-	-	< 0.05
Toxophene	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorodate (surr.)	1	%	-	-	-	95
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	83
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	-	< 0.1

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V30-1.5_140308	CCM104Q_V39-1.5_140308	CCM104Q_PB_140308	CCM104Q_SP1_140308
	Lab Number		08-MA08316	08-MA08317	08-MA08318	08-MA08319
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Aroclor-1248	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	-	< 0.1
Total PCB	1	mg/kg	-	-	-	< 1
Dibutylchloroendate (surr.)	1	%	-	-	-	95
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	83
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Pentachlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Phenol-d6 (surr.)	1	%	104	-	87	107
Organophosphorous Pesticides						
Chlorpyrifos	0.2	mg/kg	-	-	-	< 0.5
Chlorpyrifos Methyl*	0.2	mg/kg	-	-	-	< 0.5
Diazinon	0.2	mg/kg	-	-	-	< 0.5
Dimethoate	0.2	mg/kg	-	-	-	< 0.5
Ethion	0.2	mg/kg	-	-	-	< 0.5
Fenitrothion	0.2	mg/kg	-	-	-	< 0.5
Fenthion	0.2	mg/kg	-	-	-	< 0.5
Malathion	0.2	mg/kg	-	-	-	< 0.5
Methyl azinphos	0.2	mg/kg	-	-	-	< 0.5

COMMENTS: * Non NATA Endorsed analysis

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V30-1.5_140308	CCM104Q_V39-1.5_140308	CCM104Q_PB_140308	CCM104Q_SP1_140308
	Lab Number		08-MA08316	08-MA08317	08-MA08318	08-MA08319
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Methyl parathion	0.2	mg/kg	-	-	-	< 0.5
Parathion*	0.2	mg/kg	-	-	-	*
Ronnel	0.2	mg/kg	-	-	-	< 0.5
Temephos*	0.2	mg/kg	-	-	-	*
% Moisture	0.1	%	5.7	7.4	9.2	9.0
Chromium (hexavalent)	1	mg/kg	-	-	-	< 1
Heavy Metals						
Chromium (trivalent)	5	mg/kg	-	-	-	58
Heavy Metals						
Boron	10	mg/kg	-	-	-	< 10
Lead	5	mg/kg	19	15	29	24
Mercury	0.1	mg/kg	-	-	-	< 0.1
Heavy Metals						
Arsenic	2	mg/kg	-	-	-	< 2
Cadmium	0.5	mg/kg	-	-	-	< 0.5
Chromium	5	mg/kg	-	-	-	58
Cobalt	5	mg/kg	-	-	-	8.1
Copper	5	mg/kg	-	-	-	< 5
Lead	5	mg/kg	-	-	-	24
Molybdenum	10	mg/kg	-	-	-	< 10
Nickel	5	mg/kg	-	-	-	5.6
Selenium	2	mg/kg	-	-	-	< 2
Tin	10	mg/kg	-	-	-	< 10
Zinc	5	mg/kg	-	-	-	52

COMMENTS: * Non NATA Endorsed analysis

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ERM

Level 1, 60 Leichhardt street	Client Sample ID		CCM104Q_SP2_140308
Spring Hill	Lab Number		08-MA08320
QLD 4004	Matrix		Soil
Analysis Type	Sample Date		Mar 14, 2008
Total Recoverable Hydrocarbons	LOR	Units	
TRH C6-C9 Fraction by GC	20	mg/kg	110
TRH C10-C14 Fraction by GC	50	mg/kg	830
TRH C15-C28 Fraction by GC	100	mg/kg	1900
TRH C29-C36 Fraction by GC	100	mg/kg	< 100
Monocyclic Aromatic Hydrocarbons			
Benzene	0.05	mg/kg	< 0.05
Toluene	0.05	mg/kg	0.25
Ethylbenzene	0.05	mg/kg	1.5
Xylenes(ortho.meta and para)	0.05	mg/kg	25
Fluorobenzene (surr.)	1	%	101
Polycyclic Aromatic Hydrocarbons			
Acenaphthene	0.1	mg/kg	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1
Anthracene	0.1	mg/kg	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1
Chrysene	0.1	mg/kg	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1
Fluorene	0.1	mg/kg	0.5
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1
Naphthalene	0.1	mg/kg	4.3
Phenanthrene	0.1	mg/kg	0.3
Pyrene	0.1	mg/kg	0.3
Total PAH	0.1	mg/kg	5.4
Chrysene-d12 (surr.)	1	%	97
2-Fluorobiphenyl (surr.)	1	%	93

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_SP2_140308
	Lab Number		08-MA08320
	Matrix		Soil
	Sample Date		Mar 14, 2008
Analysis Type	LOR	Units	
Organochlorine Pesticides			
4,4'-DDD	0.05	mg/kg	< 0.05
4,4'-DDE	0.05	mg/kg	< 0.05
4,4'-DDT	0.05	mg/kg	< 0.05
a-BHC	0.05	mg/kg	< 0.05
Aldrin	0.05	mg/kg	< 0.05
b-BHC	0.05	mg/kg	< 0.05
Chlordane	0.1	mg/kg	< 0.1
d-BHC	0.05	mg/kg	< 0.05
Dieldrin	0.05	mg/kg	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05
Endrin	0.05	mg/kg	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05
g-BHC (Lindane)	0.05	mg/kg	< 0.05
Heptachlor	0.05	mg/kg	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05
Toxophene	0.1	mg/kg	< 0.1
Dibutylchlorodate (surr.)	1	%	97
Tetrachloro-m-xylene (surr.)	1	%	78
Polychlorinated Biphenyls			
Aroclor-1016	0.1	mg/kg	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1

COMMENTS:

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ERM	Client Sample ID		CCM104Q_SP2_140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08320
Spring Hill	Matrix		Soil
QLD 4004	Sample Date		Mar 14, 2008
Analysis Type	LOR	Units	
Aroclor-1248	0.1	mg/kg	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1
Total PCB	1	mg/kg	< 1
Dibutylchlorodate (surr.)	1	%	97
Tetrachloro-m-xylene (surr.)	1	%	78
Phenols			
2-Chlorophenol	0.1	mg/kg	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.2
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 1
Pentachlorophenol	0.5	mg/kg	< 0.5
Phenol	0.1	mg/kg	< 0.1
Phenol-d6 (surr.)	1	%	95
Organophosphorous Pesticides			
Chlorpyrifos	0.2	mg/kg	< 0.5
Chlorpyrifos Methyl*	0.2	mg/kg	< 0.5
Diazinon	0.2	mg/kg	< 0.5
Dimethoate	0.2	mg/kg	< 0.5
Ethion	0.2	mg/kg	< 0.5
Fenitrothion	0.2	mg/kg	< 0.5
Fenthion	0.2	mg/kg	< 0.5
Malathion	0.2	mg/kg	< 0.5
Methyl azinphos	0.2	mg/kg	< 0.5

COMMENTS: * Non NATA Endorsed analysis

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_SP2_140308
	Lab Number		08-MA08320
	Matrix		Soil
	Sample Date		Mar 14, 2008
Analysis Type	LOR	Units	
Methyl parathion	0.2	mg/kg	< 0.5
Parathion*	0.2	mg/kg	*
Ronnel	0.2	mg/kg	< 0.5
Temephos*	0.2	mg/kg	*
% Moisture	0.1	%	7.5
Chromium (hexavalent)	1	mg/kg	< 1
Heavy Metals			
Chromium (trivalent)	5	mg/kg	35
Heavy Metals			
Boron	10	mg/kg	< 10
Lead	5	mg/kg	28
Mercury	0.1	mg/kg	< 0.1
Heavy Metals			
Arsenic	2	mg/kg	< 2
Cadmium	0.5	mg/kg	< 0.5
Chromium	5	mg/kg	35
Cobalt	5	mg/kg	9.9
Copper	5	mg/kg	5.7
Lead	5	mg/kg	28
Molybdenum	10	mg/kg	< 10
Nickel	5	mg/kg	7.9
Selenium	2	mg/kg	< 2
Tin	10	mg/kg	< 10
Zinc	5	mg/kg	27

COMMENTS: * Non NATA Endorsed analysis

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ERM	Client Sample ID	CCM104Q_VP1_130308	CCM104Q_VP1_130308	CCM104Q_VP1_130308	CCM104Q_VP1_130308
Level 1, 60 Leichhardt street	Lab Number	08-MA08236	08-MA08236	08-MA08236	08-MA08236
Spring Hill	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
QLD 4004.	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	Units			% RPD	% Recovery
Total Recoverable Hydrocarbons					
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	94
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	72
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	89
Monocyclic Aromatic Hydrocarbons					
Benzene		< 0.05	< 0.05	< 1	103
Toluene		< 0.05	< 0.05	< 1	98
Ethylbenzene		< 0.05	< 0.05	< 1	88
Xylenes(ortho.meta and para)		< 0.05	< 0.05	< 1	96
Fluorobenzene (surr.)		84	95	-	111
Polycyclic Aromatic Hydrocarbons					
Acenaphthene		< 0.1	< 0.1	< 1	115
Acenaphthylene		< 0.1	< 0.1	< 1	111
Anthracene		< 0.1	< 0.1	< 1	103
Benz(a)anthracene		< 0.1	< 0.1	< 1	119
Benzo(a)pyrene		< 0.1	< 0.1	< 1	115
Benzo(b)fluoranthene		< 0.1	< 0.1	< 1	101
Benzo(g,h,i)perylene		< 0.1	< 0.1	< 1	89
Benzo(k)fluoranthene		< 0.1	< 0.1	< 1	116
Chrysene		< 0.1	< 0.1	< 1	122
Dibenz(a,h)anthracene		< 0.1	< 0.1	< 1	101
Fluoranthene		< 0.1	< 0.1	< 1	125
Fluorene		< 0.1	< 0.1	< 1	123
Indeno(1,2,3-cd)pyrene		< 0.1	< 0.1	< 1	88
Naphthalene		< 0.1	< 0.1	< 1	82
Phenanthrene		0.2	0.2	1.7	98
Pyrene		< 0.1	< 0.1	< 1	129
Total PAH		0.2	0.2	-	-
Chrysene-d12 (surr.)		117	119	-	109

COMMENTS:

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ERM
 Level 1, 60 Leichhardt street
 Spring Hill
 QLD 4004

Client Sample	CCM104Q VP1	CCM104Q VP1	CCM104Q VP1	CCM104Q VP1
Lab Number	08-MA08236	08-MA08236	08-MA08236	08-MA08236
QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
Matrix	Soil	Soil	Soil	Soil
Sample Date	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	Units		% RPD	% Recovery
Polycyclic Aromatic Hydrocarbons				
2-Fluorobiphenyl (surr.)	110	103	-	81
Phenols				
2-Chlorophenol	< 0.1	< 0.1	< 1	87
2-Methylphenol (o-Cresol)	< 0.1	< 0.1	< 1	92
2-Nitrophenol	< 0.5	< 0.5	< 1	126
2,4-Dichlorophenol	< 0.1	< 0.1	< 1	102
2,4-Dimethylphenol	< 0.1	< 0.1	< 1	107
2,4,6-Trichlorophenol	< 0.1	< 0.1	< 1	120
2,6-Dichlorophenol	< 0.1	< 0.1	< 1	125
3&4-Methylphenol (m&p-Cresol)	< 0.2	< 0.2	< 1	104
4-Chloro-3-methylphenol	< 0.1	< 0.1	< 1	111
Pentachlorophenol	< 0.5	< 0.5	< 1	109
Phenol	< 0.1	< 0.1	< 1	103
Phenol-d6 (surr.)	110	110	-	103
Heavy Metals				
Arsenic	-	-	7.2	84
Cadmium	-	-	< 1	97
Chromium	-	-	2.3	104
Cobalt	-	-	-	83
Copper	-	-	5.5	99
Lead	< 5	< 5	< 1	86
Molybdenum	-	-	< 1	82
Nickel	-	-	8.5	84
Selenium	-	-	< 1	84
Tin	-	-	< 1	81
Zinc	-	-	1.8	83

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	RPD	CCM104Q_VP4 130308
	Lab Number	BATCH	08-MA08239
	QA Description		Spike % Recovery
	Matrix	Soil	Soil
	Sample Date	Mar 13, 2008	Mar 13, 2008
Analysis Type	Units		% Recovery
Polycyclic Aromatic Hydrocarbons			
Total PAH		< 1	-
Chrysene-d12 (surr.)		-	-
2-Fluorobiphenyl (surr.)		-	-
Phenols			
Phenol-d6 (surr.)		-	-

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	CCM104Q VP11_130308	CCM104Q VP11_130308	CCM104Q VP11_130308	CCM104Q VP11_130308
	Lab Number	08-MA08246	08-MA08246	08-MA08246	08-MA08246
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	Units			% RPD	% Recovery
Total Recoverable Hydrocarbons					
TRH C10-C14 Fraction by GC		3800	3700	3.1	-
TRH C15-C28 Fraction by GC		7900	7800	1.5	-
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-
Monocyclic Aromatic Hydrocarbons					
Benzene		< 0.05	< 0.05	< 1	-
Toluene		< 0.1	< 0.1	< 1	-
Ethylbenzene		< 0.05	< 0.05	< 1	-
Xylenes(ortho.meta and para)		< 0.1	< 0.1	< 1	-
Fluorobenzene (surr.)		77	72	-	-
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COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	CCM104Q_QC2_130308	CCM104Q_QC2_130308	CCM104Q_QC2_130308	CCM104Q_QC2_130308
	Lab Number	08-MA08254	08-MA08254	08-MA08254	08-MA08254
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
	Matrix	Water	Water	Water	Water
	Sample Date	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	Units			% RPD	% Recovery
Heavy Metals					
Arsenic		-	-	< 1	104
Boron		-	-	10	100
Cadmium		-	-	< 1	104
Chromium		-	-	< 1	100
Cobalt		-	-	< 1	105
Copper		-	-	< 1	103
Lead		< 0.001	< 0.001	< 1	96
Molybdenum		-	-	< 1	94
Nickel		-	-	< 1	104
Selenium		-	-	< 1	107
Tin		-	-	< 1	98
Zinc		-	-	< 1	107

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	CCM104Q_QC7_140308	CCM104Q_QC7_140308	CCM104Q_QC7_140308	CCM104Q_QC7_140308
	Lab Number	08-MA08259	08-MA08259	08-MA08259	08-MA08259
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	Units			% RPD	% Recovery
Total Recoverable Hydrocarbons					
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	-
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	-
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-
Monocyclic Aromatic Hydrocarbons					
Benzene		< 0.05	< 0.05	< 1	-
Toluene		< 0.05	< 0.05	< 1	-
Ethylbenzene		< 0.05	< 0.05	< 1	-
Xylenes(ortho.meta and para)		< 0.05	< 0.05	< 1	-
Fluorobenzene (surr.)		81	82	-	-
<div> <div>Comments</div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> </div>					

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	CCM104Q QC12_140308	CCM104Q QC12_140308	CCM104Q QC12_140308	CCM104Q QC12_140308	LCS	Method blank
	Lab Number	08-MA08264	08-MA08264	08-MA08264	08-MA08264	Batch	Batch
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Organochlorine Pesticides							
4,4'-DDD		< 0.05	< 0.05	< 1	102	117	< 0.005
4,4'-DDE		< 0.05	< 0.05	< 1	85	99	< 0.005
4,4'-DDT		< 0.05	< 0.05	< 1	77	77	< 0.005
a-BHC		< 0.05	< 0.05	< 1	76	103	< 0.005
Aldrin		< 0.05	< 0.05	< 1	78	99	< 0.005
b-BHC		< 0.05	< 0.05	< 1	93	89	< 0.005
Chlordane		< 0.1	< 0.1	< 1	81	-	< 0.01
d-BHC		< 0.05	< 0.05	< 1	76	121	< 0.005
Dieldrin		< 0.05	< 0.05	< 1	110	113	< 0.005
Endosulfan I		< 0.05	< 0.05	< 1	85	112	< 0.005
Endosulfan II		< 0.05	< 0.05	< 1	96	113	< 0.005
Endosulfan sulphate		< 0.05	< 0.05	< 1	85	95	< 0.005
Endrin		< 0.05	< 0.05	< 1	100	119	< 0.005
Endrin aldehyde		< 0.05	< 0.05	< 1	87	98	< 0.005
Endrin ketone		< 0.05	< 0.05	< 1	72	90	< 0.005
g-BHC (Lindane)		< 0.05	< 0.05	< 1	78	98	< 0.005
Heptachlor		< 0.05	< 0.05	< 1	87	114	< 0.005
Heptachlor epoxide		< 0.05	< 0.05	< 1	88	112	< 0.005
Hexachlorobenzene		< 0.05	< 0.05	< 1	76	85	< 0.005
Methoxychlor		< 0.05	< 0.05	< 1	90	127	< 0.005
Toxophene		< 0.1	< 0.1	< 1	79	-	< 0.01
Polychlorinated Biphenyls							
Aroclor-1016		< 0.1	< 0.1	< 1	-	-	< 0.01
Aroclor-1221		< 0.1	< 0.1	< 1	-	-	< 0.01
Aroclor-1232		< 0.1	< 0.1	< 1	-	-	< 0.01
Aroclor-1242		< 0.1	< 0.1	< 1	-	-	< 0.01
Aroclor-1248		< 0.1	< 0.1	< 1	-	-	< 0.01
Aroclor-1254		< 0.1	< 0.1	< 1	-	-	< 0.01

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample	CCM104Q	CCM104Q	CCM104Q	CCM104Q	LCS	Method blank
	Lab Number	08-MA08264	08-MA08264	08-MA08264	08-MA08264	Batch	Batch
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Polychlorinated Biphenyls							
Aroclor-1260		< 0.1	< 0.1	< 1	84	84	< 0.01
Total PCB		< 1	< 1	< 1	-	-	< 0.1
Dibutylchlorendate (surr.)		103	99	-	87	87	76
Tetrachloro-m-xylene (surr.)		89	87	-	85	79	73
Heavy Metals							
Mercury		< 0.1	< 0.1	< 1	79	104	< 0.005
Organophosphorous Pesticides							
Chlorpyrifos		-	-	< 1	-	-	< 0.002
Chlorpyrifos Methyl*		-	-	< 1	-	-	< 0.2
Diazinon		-	-	< 1	108	98	< 0.002
Dimethoate		-	-	< 1	112	100	< 0.2
Ethion		-	-	< 1	117	104	< 0.002
Fenitrothion		-	-	< 1	104	96	< 0.002
Fenthion		-	-	< 1	-	-	< 0.002
Malathion		-	-	< 1	-	-	< 0.2
Methyl azinphos		-	-	< 1	-	-	< 0.002
Methyl parathion		-	-	< 1	104	104	< 0.002
Ronnel		-	-	< 1	-	-	< 0.002

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	CCM104Q V2-1 25_120308	CCM104Q V2-1 25_120308	CCM104Q V2-1 25_120308	CCM104Q V2-1 25_120308	LCS	Method blank
	Lab Number	08-MA08280	08-MA08280	08-MA08280	08-MA08280	Batch	Batch
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Mar 12, 2008	Mar 12, 2008	Mar 12, 2008	Mar 12, 2008	Mar 12, 2008	Mar 12, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Total Recoverable Hydrocarbons							
TRH C6-C9 Fraction by GC		-	-	< 1	88	110	< 0.02
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	113	-	-
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	-	-	-
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-	-	-
Heavy Metals							
Arsenic		-	-	5.0	86	-	-
Boron		-	-	< 1	88	106	< 0.25
Cadmium		-	-	< 1	98	-	-
Chromium		-	-	-	76	-	-
Cobalt		-	-	17	89	-	-
Copper		-	-	4.3	103	-	-
Lead		< 5	< 5	< 1	94	102	< 0.05
Molybdenum		-	-	10	91	-	-
Nickel		-	-	4.1	89	-	-
Selenium		-	-	< 1	87	-	-
Tin		-	-	8.0	85	-	-
Zinc		-	-	1.4	98	-	-

COMMENTS:

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ERM	Client Sample ID	CCM104Q_V11-0.5_140308	CCM104Q_V11-0.5_140308	CCM104Q_V11-0.5_140308	CCM104Q_V11-0.5_140308	LCS	Method blank
Level 1, 60 Leichhardt street	Lab Number	08-MA08289	08-MA08289	08-MA08289	08-MA08289	Batch	Batch
Spring Hill	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
QLD 4004	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Polycyclic Aromatic Hydrocarbons							
Acenaphthene		< 0.1	< 0.1	< 1	110	95	< 0.02
Acenaphthylene		< 0.1	< 0.1	< 1	103	96	< 0.02
Anthracene		< 0.1	< 0.1	< 1	96	90	< 0.02
Benz(a)anthracene		< 0.1	< 0.1	< 1	104	103	< 0.02
Benzo(a)pyrene		< 0.1	< 0.1	< 1	102	101	< 0.02
Benzo(b)fluoranthene		< 0.1	< 0.1	< 1	94	100	< 0.02
Benzo(g,h,i)perylene		< 0.1	< 0.1	< 1	90	92	< 0.02
Benzo(k)fluoranthene		< 0.1	< 0.1	< 1	107	92	< 0.02
Chrysene		< 0.1	< 0.1	< 1	104	98	< 0.02
Dibenz(a,h)anthracene		< 0.1	< 0.1	< 1	91	101	< 0.02
Fluoranthene		< 0.1	< 0.1	< 1	115	100	< 0.02
Fluorene		< 0.1	< 0.1	< 1	114	88	< 0.02
Indeno(1,2,3-cd)pyrene		< 0.1	< 0.1	< 1	94	95	< 0.02
Naphthalene		< 0.1	< 0.1	< 1	103	101	< 0.02
Phenanthrene		< 0.1	< 0.1	< 1	104	104	< 0.02
Pyrene		< 0.1	< 0.1	< 1	115	98	< 0.02
Total PAH		< 0.1	< 0.1	-	-	-	< 0.02
Chrysene-d12 (surr.)		97	100	-	116	112	121
2-Fluorobiphenyl (surr.)		80	87	-	103	89	100
Phenols							
2-Chlorophenol		< 0.1	< 0.1	< 1	95	92	< 0.01
2-Methylphenol (o-Cresol)		< 0.1	< 0.1	< 1	93	93	< 0.01
2-Nitrophenol		< 0.5	< 0.5	< 1	92	104	< 0.05
2,4-Dichlorophenol		< 0.1	< 0.1	< 1	94	95	< 0.01
2,4-Dimethylphenol		< 0.1	< 0.1	< 1	90	93	< 0.01
2,4,6-Trichlorophenol		< 0.1	< 0.1	< 1	86	100	< 0.01
2,6-Dichlorophenol		< 0.1	< 0.1	< 1	101	96	< 0.01
3&4-Methylphenol (m&p-Cresol)		< 0.2	< 0.2	< 1	86	95	< 0.02

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004 Analysis Type Phenols 4-Chloro-3-methylphenol Pentachlorophenol Phenol Phenol-d6 (surr.)	Client Sample	CCM104Q V11-	CCM104Q V11-	CCM104Q V11-	CCM104Q V11-	LCS	Method blank
	Lab Number	08-MA08289	08-MA08289	08-MA08289	08-MA08289	Batch	Batch
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
	Units			% RPD	% Recovery	% Recovery	mg/L
		< 0.1	< 0.1	< 1	119	91	< 0.01
		< 0.5	< 0.5	< 1	98	93	< 0.1
		< 0.1	< 0.1	< 1	92	91	< 0.01
		79	87	-	91	91	90
<div>Published on 10/10/2009</div> <div>Disclosure Log</div> <div>RTI Act 2009</div>							

COMMENTS:

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ERM	Client Sample ID	CCM104Q_V12-0.5_140308	CCM104Q_V12-0.5_140308	CCM104Q_V12-0.5_140308	CCM104Q_V12-0.5_140308
Level 1, 60 Leichhardt street	Lab Number	08-MA08290	08-MA08290	08-MA08290	08-MA08290
Spring Hill	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
QLD 4004	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	Units			% RPD	% Recovery
Total Recoverable Hydrocarbons					
TRH C10-C14 Fraction by GC		1900	1500	23	-
TRH C15-C28 Fraction by GC		4200	3400	21	-
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-
<div>Published on 2009-03-14</div> <div>Disclosure Log</div> <div>RTI Act 2009</div>					

COMMENTS: * Non NATA Endorsed analysis

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[illegible]

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ERM	Client Sample ID	CCM104Q_V32-1.5_140308	CCM104Q_V32-1.5_140308	CCM104Q_V32-1.5_140308	CCM104Q_V32-1.5_140308	LCS	Method blank
Level 1, 60 Leichhardt street	Lab Number	08-MA08310	08-MA08310	08-MA08310	08-MA08310	Batch	Batch
Spring Hill	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
QLD 4004	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Total Recoverable Hydrocarbons							
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	75	-	< 0.05
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	-	84	< 0.1
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-	-	< 0.1
Monocyclic Aromatic Hydrocarbons							
Benzene		< 0.05	< 0.05	< 1	76	-	-
Toluene		< 0.05	< 0.05	< 1	-	-	-
Ethylbenzene		< 0.05	< 0.05	< 1	-	-	-
Xylenes(ortho.meta and para)		< 0.05	< 0.05	< 1	77	-	-
Fluorobenzene (surr.)		109	95	-	84	-	-

COMMENTS:

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COMMENTS:

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CERTIFICATE OF ANALYSIS

ERM
Level 1, 60 Leichhardt street
Spring Hill
QLD 4004
Site: 0081610 FORMER QUILPIC DEPOT

Report Number: 223829-V3 Page 1 of 66
Order Number:
Date Received: Mar 20, 2008
Date Sampled: Mar 12, 2008
Date Reported: Mar 31, 2008
Contact: sch4p4(6) Personal in

Methods

- USEPA 6010B Heavy Metals & USEPA 7470/71 Mercury
- USEPA 8141A Organophosphorus Pesticides
- USEPA 8270C Phenols
- USEPA 8082 Polychlorinated Biphenyls
- USEPA 8081A Organochlorine Pesticides
- USEPA 8270C Polycyclic Aromatic Hydrocarbons
- USEPA 8260B - MGT 350A Monocyclic Aromatic Hydrocarbons
- MGT100A-GC Total Recoverable Hydrocarbons
- USEPA 6020 Heavy Metals
- Method 102 - ANZECC - % Moisture
- APHA 3500-Cr Hexavalent Chromium- (Extraction:- USEPA3060)

Comments

Notes

1. The results in this report supersede any previously corresponded results.
2. All Soil Results are reported on a dry basis.
3. Samples are analysed on an as received basis.
4. LOR's are matrix dependent. Stated LOR's may be raised where sample extracts are diluted due to interferences.

ABBREVIATIONS

mg/kg : milligrams per kilograms, mg/L : milligrams per litre, ppm : parts per million,
LOR : Limit of Reporting
RPD : Relative Percent Difference
CRM : Certified Reference Material
LCS : Laboratory Control Sample

Authorised

Report Number: 223829-V3

sch4p4(6) Personal information

Laboratory Manager
NATA Signatory

Chief Organic Chemist
NATA Signatory

Chief Inorganic Chemist

ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_VP1_130308	CCM104Q_VP2_130308	CCM104Q_VP3_130308	CCM104Q_VP4_130308
	Lab Number		08-MA08236	08-MA08237	08-MA08238	08-MA08239
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	250	89	41
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	1100	380	210
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	1900	330	280
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	2.4	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	0.17	2.6	0.29
Ethylbenzene	0.05	mg/kg	< 0.05	4.2	4.1	1.5
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	17	27	9.6
Fluorobenzene (surr.)	1	%	84	105	94	75
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.2	-	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	1.0	-	1.0
Phenanthrene	0.1	mg/kg	0.2	0.4	-	0.2
Pyrene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Total PAH	0.1	mg/kg	0.2	1.4	-	1.2
Chrysene-d12 (surr.)	1	%	117	100	-	90
2-Fluorobiphenyl (surr.)	1	%	110	91	-	89

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_VP1_130308	CCM104Q_VP2_130308	CCM104Q_VP3_130308	CCM104Q_VP4_130308
	Lab Number		08-MA08236	08-MA08237	08-MA08238	08-MA08239
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Pentachlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Phenol	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Phenol-d6 (surr.)	1	%	110	83	-	82
% Moisture	0.1	%	17	12	12	9.3
Heavy Metals						
Lead	5	mg/kg	< 5	6.4	5.0	< 5

COMMENTS:

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ERM

Client Sample ID		CCM104Q_VP5_130308	CCM104Q_VP6_130308	CCM104Q_VP7_130308	CCM104Q_VP8_130308
Level 1, 60 Leichhardt street	Lab Number	08-MA08240	08-MA08241	08-MA08242	08-MA08243
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	2800	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	1200	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	1400	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	18	< 0.05	< 0.05
Toluene	0.05	mg/kg	410	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	67	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	460	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	76	82	71
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	-	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	-	< 0.1	< 0.1
Anthracene	0.1	mg/kg	-	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	-	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	-	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	-	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	-	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	-	< 0.1	< 0.1
Chrysene	0.1	mg/kg	-	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	-	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	-	< 0.1	< 0.1
Fluorene	0.1	mg/kg	-	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	-	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	-	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	-	< 0.1	< 0.1
Pyrene	0.1	mg/kg	-	< 0.1	< 0.1
Total PAH	0.1	mg/kg	-	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	-	100	-
2-Fluorobiphenyl (surr.)	1	%	-	97	-

COMMENTS:

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	Client Sample ID		CCM104Q_VP5_130308
	Lab Number		08-MA08240
	Matrix		Soil
	Sample Date		Mar 13, 2008
	LOR	Units	
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.5	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.2	mg/kg	-
	0.1	mg/kg	-
	0.5	mg/kg	-
	0.1	mg/kg	-
	1	%	-
	0.1	%	15
	5	mg/kg	5.2

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ERM

Level 1, 60 Leichhardt street	Client Sample ID		CCM104Q_VP9_130308	CCM104Q_VP10_130308	CCM104Q_VP11_130308	CCM104Q_VP12_130308
Spring Hill	Lab Number		08-MA08244	08-MA08245	08-MA08246	08-MA08247
QLD 4004	Matrix		Soil	Soil	Soil	Soil
Analysis Type	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Total Recoverable Hydrocarbons	LOR	Units				
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	1500	< 50	3800	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	3300	160	7900	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	0.14	< 0.05	< 0.1	< 0.05
Ethylbenzene	0.05	mg/kg	0.64	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	0.26	< 0.05	< 0.1	< 0.05
Fluorobenzene (surr.)	1	%	84	79	77	79
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Acenaphthylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benz(a)anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	-	< 0.1	-	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Fluorene	0.1	mg/kg	-	< 0.1	-	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	-	< 0.1	-	< 0.1
Phenanthrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Total PAH	0.1	mg/kg	-	< 0.1	-	< 0.1
Chrysene-d12 (surr.)	1	%	-	97	-	116
2-Fluorobiphenyl (surr.)	1	%	-	86	-	112

COMMENTS:

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ERM	Client Sample ID		CCM104Q_VP9_130308	CCM104Q_VP10_130308	CCM104Q_VP11_130308	CCM104Q_VP12_130308
Level 1, 60 Leichhardt street	Lab Number		08-MA08244	08-MA08245	08-MA08246	08-MA08247
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	-	< 0.1	-	< 0.1
2-Nitrophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	-	< 0.2	-	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	-	< 0.1	-	< 0.1
Pentachlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
Phenol	0.1	mg/kg	-	< 0.1	-	< 0.1
Phenol-d6 (surr.)	1	%	-	93	-	106
% Moisture	0.1	%	12	10	11	9.5
Heavy Metals						
Lead	5	mg/kg	9.7	< 5	7.1	5.5

COMMENTS:

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ERM

Client Sample ID		CCM104Q_VP13_130308	CCM104Q_VP14_130308	CCM104Q_VP15_130308	CCM104Q_VP16_130308
Level 1, 60 Leichhardt street	Lab Number	08-MA08248	08-MA08249	08-MA08250	08-MA08251
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	1400	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	4100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	78	91	81
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	-	< 0.1	-
Acenaphthylene	0.1	mg/kg	-	< 0.1	-
Anthracene	0.1	mg/kg	-	< 0.1	-
Benz(a)anthracene	0.1	mg/kg	-	< 0.1	-
Benzo(a)pyrene	0.1	mg/kg	-	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	-	< 0.1	-
Benzo(g,h,i)perylene	0.1	mg/kg	-	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	-	< 0.1	-
Chrysene	0.1	mg/kg	-	< 0.1	-
Dibenz(a,h)anthracene	0.1	mg/kg	-	< 0.1	-
Fluoranthene	0.1	mg/kg	-	< 0.1	-
Fluorene	0.1	mg/kg	-	< 0.1	-
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	-	< 0.1	-
Naphthalene	0.1	mg/kg	-	< 0.1	-
Phenanthrene	0.1	mg/kg	-	< 0.1	-
Pyrene	0.1	mg/kg	-	< 0.1	-
Total PAH	0.1	mg/kg	-	< 0.1	-
Chrysene-d12 (surr.)	1	%	-	112	-
2-Fluorobiphenyl (surr.)	1	%	-	115	-

COMMENTS:

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	Client Sample ID		CCM104Q_VP13_130308
	Lab Number		08-MA08248
	Matrix		Soil
	Sample Date		Mar 13, 2008
	LOR	Units	
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.5	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.2	mg/kg	-
	0.1	mg/kg	-
	0.5	mg/kg	-
	0.1	mg/kg	-
	1	%	-
	0.1	%	10
	5	mg/kg	< 5

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ERM

Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_VP17_130308	CCM104Q_QC1_130308	CCM104Q_QC2_130308	CCM104Q_QC3_130308
	Lab Number		08-MA08252	08-MA08253	08-MA08254	08-MA08255
	Matrix		Soil	Soil	Water	Water
	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 0.02	< 0.02
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	1600	< 0.05	< 0.05
TRH C15-C28 Fraction by GC	100	mg/kg	140	2100	< 0.1	< 0.1
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 0.1	< 0.1
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.001	< 0.001
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.001	< 0.001
Ethylbenzene	0.05	mg/kg	< 0.05	0.43	< 0.001	< 0.001
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.1	< 0.001	< 0.001
Fluorobenzene (surr.)	1	%	82	89	95	97
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	-	< 0.5	< 0.001	< 0.001
Acenaphthylene	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
Anthracene	0.1	mg/kg	-	0.4	< 0.001	< 0.001
Benz(a)anthracene	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
Benzo(a)pyrene	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
Benzo(b)fluoranthene	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
Benzo(g,h,i)perylene	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
Benzo(k)fluoranthene	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
Chrysene	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
Dibenz(a,h)anthracene	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
Fluoranthene	0.1	mg/kg	-	< 0.5	< 0.001	< 0.001
Fluorene	0.1	mg/kg	-	< 2	< 0.001	< 0.001
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
Naphthalene	0.1	mg/kg	-	2.4	< 0.001	< 0.001
Phenanthrene	0.1	mg/kg	-	2.1	< 0.001	< 0.001
Pyrene	0.1	mg/kg	-	< 0.5	< 0.001	< 0.001
Total PAH	0.1	mg/kg	-	4.9	< 0.001	< 0.001
Chrysene-d12 (surr.)	1	%	-	116	119	104
2-Fluorobiphenyl (surr.)	1	%	-	101	87	88

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_VP17_130308	CCM104Q_QC1_130308	CCM104Q_QC2_130308	CCM104Q_QC3_130308
	Lab Number		08-MA08252	08-MA08253	08-MA08254	08-MA08255
	Matrix		Soil	Soil	Water	Water
	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
2-Methylphenol (o-Cresol)	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
2-Nitrophenol	0.5	mg/kg	-	< 0.5	< 0.005	< 0.005
2,4-Dichlorophenol	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
2,4-Dimethylphenol	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
2,4,6-Trichlorophenol	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
2,6-Dichlorophenol	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	-	< 0.2	< 0.002	< 0.002
4-Chloro-3-methylphenol	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
Pentachlorophenol	0.5	mg/kg	-	< 0.5	< 0.005	< 0.005
Phenol	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
Phenol-d6 (surr.)	1	%	-	100	90	78
% Moisture	0.1	%	10	14		
Heavy Metals						
Lead	5	mg/kg	46	6.4	< 0.001	< 0.001

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ERM

ERM	Client Sample ID		CCM104Q_QC4_140308	CCM104Q_QC5_140308	CCM104Q_QC6_140308	CCM104Q_QC7_140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08256	08-MA08257	08-MA08258	08-MA08259
Spring Hill	Matrix		Water	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	0.02	mg/L	< 0.02	92	110	< 20
TRH C10-C14 Fraction by GC	0.05	mg/L	< 0.05	6900	590	< 50
TRH C15-C28 Fraction by GC	0.1	mg/L	< 0.1	6300	580	< 100
TRH C29-C36 Fraction by GC	0.1	mg/L	< 0.1	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.001	mg/L	< 0.001	0.31	0.21	< 0.05
Toluene	0.001	mg/L	< 0.001	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.001	mg/L	< 0.001	3.3	2.0	< 0.05
Xylenes(ortho.meta and para)	0.001	mg/L	< 0.001	3.3	3.0	< 0.05
Fluorobenzene (surr.)	1	%	91	74	100	81
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 2	< 0.2	< 0.1
Acenaphthylene	0.001	mg/L	< 0.001	< 1	< 0.1	< 0.1
Anthracene	0.001	mg/L	< 0.001	< 1	< 0.1	< 0.1
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.2	0.2	< 0.1
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.1	0.1	< 0.1
Benzo(b)fluoranthene	0.001	mg/L	< 0.001	< 0.1	0.1	< 0.1
Benzo(g,h,i)perylene	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.1	0.1	< 0.1
Chrysene	0.001	mg/L	< 0.001	< 0.1	0.3	< 0.1
Dibenz(a,h)anthracene	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
Fluoranthene	0.001	mg/L	< 0.001	< 0.5	0.8	< 0.1
Fluorene	0.001	mg/L	< 0.001	< 5	< 1	< 0.1
Indeno(1,2,3-cd)pyrene	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
Naphthalene	0.001	mg/L	< 0.001	21	4.1	< 0.1
Phenanthrene	0.001	mg/L	< 0.001	10	1.6	< 0.1
Pyrene	0.001	mg/L	< 0.001	< 1	0.8	< 0.1
Total PAH	0.001	mg/L	< 0.001	31	8.1	< 0.1
Chrysene-d12 (surr.)	1	%	96	129	121	108
2-Fluorobiphenyl (surr.)	1	%	95	108	129	76

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_QC4_140308	CCM104Q_QC5_140308	CCM104Q_QC6_140308	CCM104Q_QC7_140308
	Lab Number		08-MA08256	08-MA08257	08-MA08258	08-MA08259
	Matrix		Water	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
2-Methylphenol (o-Cresol)	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
2-Nitrophenol	0.005	mg/L	< 0.005	< 2	< 0.5	< 0.5
2,4-Dichlorophenol	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
2,4-Dimethylphenol	0.001	mg/L	< 0.001	< 1	< 0.1	< 0.1
2,4,6-Trichlorophenol	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
2,6-Dichlorophenol	0.001	mg/L	< 0.001	< 1	< 0.1	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.002	mg/L	< 0.002	< 0.2	< 0.2	< 0.2
4-Chloro-3-methylphenol	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
Pentachlorophenol	0.005	mg/L	< 0.005	< 0.5	< 0.5	< 0.5
Phenol	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
Phenol-d6 (surr.)	1	%	95	103	123	79
% Moisture	0.1	%	-	16	14	13
Heavy Metals						
Lead	0.001	mg/L	< 0.001	< 5	7.3	< 5

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ERM

Level 1, 60 Leichhardt street	Client Sample ID		CCM104Q_QC8_140308	CCM104Q_QC9_140308	CCM104Q_QC10_140308	CCM104Q_QC11_140308
Spring Hill	Lab Number		08-MA08260	08-MA08261	08-MA08262	08-MA08263
QLD 4004	Matrix		Soil	Soil	Soil	Soil
Analysis Type	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Total Recoverable Hydrocarbons	LOR	Units				
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	48	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	2600	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	4300	140
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	0.14	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	1.8	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	0.24	< 0.05
Fluorobenzene (surr.)	1	%	134	108	76	72
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 2	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.2	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.5	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.5	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	0.6	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.5	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	0.6	< 0.1
Chrysene-d12 (surr.)	1	%	99	108	100	120
2-Fluorobiphenyl (surr.)	1	%	80	96	91	123

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ERM	Client Sample ID		CCM104Q_QC8_140308	CCM104Q_QC9_140308	CCM104Q_QC10_140308	CCM104Q_QC11_140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08260	08-MA08261	08-MA08262	08-MA08263
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pentachlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenol-d6 (surr.)	1	%	76	96	95	106
% Moisture	0.1	%	14	6.3	12	5.8
Heavy Metals						
Lead	5	mg/kg	< 5	11	6.3	13

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ERM

Client Sample ID		CCM104Q_QC12_140308	CCM104Q_QC13_140308	CCM104Q_VP18_140308	CCM104Q_VP19_140308
Level 1, 60 Leichhardt street	Lab Number	08-MA08264	08-MA08265	08-MA08266	08-MA08267
Spring Hill	Matrix	Soil	Water	Soil	Soil
QLD 4004	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	100	< 0.02	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	3800	< 0.05	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	4700	< 0.1	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	190	< 0.1	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.001	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.001	< 0.05
Ethylbenzene	0.05	mg/kg	0.17	< 0.001	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	4.4	< 0.001	< 0.05
Fluorobenzene (surr.)	1	%	77	97	72
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.5	< 0.001	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.5	< 0.001	< 0.1
Anthracene	0.1	mg/kg	2.8	< 0.001	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Fluoranthene	0.1	mg/kg	0.2	< 0.001	< 0.1
Fluorene	0.1	mg/kg	1.8	< 0.001	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.001	< 0.1
Naphthalene	0.1	mg/kg	3.0	< 0.001	< 0.1
Phenanthrene	0.1	mg/kg	2.6	< 0.001	< 0.1
Pyrene	0.1	mg/kg	0.4	< 0.001	< 0.1
Total PAH	0.1	mg/kg	11	< 0.001	< 0.1
Chrysene-d12 (surr.)	1	%	108	118	130
2-Fluorobiphenyl (surr.)	1	%	102	104	108

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ERM	Client Sample ID		CCM104Q_QC12_140308	CCM104Q_QC13_140308	CCM104Q_VP18_140308	CCM104Q_VP19_140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08264	08-MA08265	08-MA08266	08-MA08267
Spring Hill	Matrix		Soil	Water	Soil	Soil
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Organochlorine Pesticides						
4,4'-DDD	0.05	mg/kg	< 0.05	-	-	-
4,4'-DDE	0.05	mg/kg	< 0.05	-	-	-
4,4'-DDT	0.05	mg/kg	< 0.05	-	-	-
a-BHC	0.05	mg/kg	< 0.05	-	-	-
Aldrin	0.05	mg/kg	< 0.05	-	-	-
b-BHC	0.05	mg/kg	< 0.05	-	-	-
Chlordane	0.1	mg/kg	< 0.1	-	-	-
d-BHC	0.05	mg/kg	< 0.05	-	-	-
Dieldrin	0.05	mg/kg	< 0.05	-	-	-
Endosulfan I	0.05	mg/kg	< 0.05	-	-	-
Endosulfan II	0.05	mg/kg	< 0.05	-	-	-
Endosulfan sulphate	0.05	mg/kg	< 0.05	-	-	-
Endrin	0.05	mg/kg	< 0.05	-	-	-
Endrin aldehyde	0.05	mg/kg	< 0.05	-	-	-
Endrin ketone	0.05	mg/kg	< 0.05	-	-	-
g-BHC (Lindane)	0.05	mg/kg	< 0.05	-	-	-
Heptachlor	0.05	mg/kg	< 0.05	-	-	-
Heptachlor epoxide	0.05	mg/kg	< 0.05	-	-	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-	-	-
Methoxychlor	0.05	mg/kg	< 0.05	-	-	-
Toxophene	0.1	mg/kg	< 0.1	-	-	-
Dibutylchlorodate (surr.)	1	%	103	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	89	-	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1221	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1232	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1242	0.1	mg/kg	< 0.1	-	-	-

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_QC12_140308	CCM104Q_QC13_140308	CCM104Q_VP18_140308	CCM104Q_VP19_140308
	Lab Number		08-MA08264	08-MA08265	08-MA08266	08-MA08267
	Matrix		Soil	Water	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Aroclor-1248	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1254	0.1	mg/kg	< 0.1	-	-	-
Aroclor-1260	0.1	mg/kg	< 0.1	-	-	-
Total PCB	1	mg/kg	< 1	-	-	-
Dibutylchlorendate (surr.)	1	%	103	-	-	-
Tetrachloro-m-xylene (surr.)	1	%	89	-	-	-
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
2-Nitrophenol	0.5	mg/kg	< 0.5	< 0.005	< 0.5	-
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	< 0.002	< 0.2	-
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
Pentachlorophenol	0.5	mg/kg	< 0.5	< 0.005	< 0.5	-
Phenol	0.1	mg/kg	< 0.1	< 0.001	< 0.1	-
Phenol-d6 (surr.)	1	%	102	108	117	-
Organophosphorous Pesticides						
Chlorpyrifos	0.2	mg/kg	< 0.5	-	-	-
Chlorpyrifos Methyl*	0.2	mg/kg	< 0.5	-	-	-
Diazinon	0.2	mg/kg	< 0.5	-	-	-
Dimethoate	0.2	mg/kg	< 0.5	-	-	-
Ethion	0.2	mg/kg	< 0.5	-	-	-
Fenitrothion	0.2	mg/kg	< 0.5	-	-	-
Fenthion	0.2	mg/kg	< 0.5	-	-	-
Malathion	0.2	mg/kg	< 0.5	-	-	-
Methyl azinphos	0.2	mg/kg	< 0.5	-	-	-

COMMENTS: * Non NATA Endorsed analysis

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_QC12_ 140308	CCM104Q_QC13_ 140308	CCM104Q_VP18_ 140308	CCM104Q_VP19_ 140308
	Lab Number		08-MA08264	08-MA08265	08-MA08266	08-MA08267
	Matrix		Soil	Water	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Methyl parathion	0.2	mg/kg	< 0.5	-	-	-
Parathion*	0.2	mg/kg	*	-	-	-
Ronnel	0.2	mg/kg	< 0.5	-	-	-
Temephos*	0.2	mg/kg	*	-	-	-
% Moisture	0.1	%	10	-	9.8	12
Chromium (hexavalent)	1	mg/kg	< 1			
Heavy Metals						
Chromium (trivalent)	5	mg/kg	30	-	-	-
Heavy Metals						
Boron	10	mg/kg	< 10	-	-	-
Lead	5	mg/kg	18	< 0.001	7.4	< 5
Mercury	0.1	mg/kg	< 0.1	-	-	-
Heavy Metals						
Arsenic	2	mg/kg	3.0	-	-	-
Cadmium	0.5	mg/kg	< 0.5	-	-	-
Chromium	5	mg/kg	30	-	-	-
Cobalt	5	mg/kg	8.0	-	-	-
Copper	5	mg/kg	8.1	-	-	-
Lead	5	mg/kg	18	-	-	-
Molybdenum	10	mg/kg	< 10	-	-	-
Nickel	5	mg/kg	6.0	-	-	-
Selenium	2	mg/kg	< 2	-	-	-
Tin	10	mg/kg	< 10	-	-	-
Zinc	5	mg/kg	42			

COMMENTS: * Non NATA Endorsed analysis

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ERM

Client Sample ID		CCM104Q_VP20_140308	CCM104Q_VP21_140308	CCM104Q_VP22_140308	CCM104Q_VP23_140308
Level 1, 60 Leichhardt street	Lab Number	08-MA08268	08-MA08269	08-MA08270	08-MA08271
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	49	25
TRH C10-C14 Fraction by GC	50	mg/kg	72	640	380
TRH C15-C28 Fraction by GC	100	mg/kg	110	960	1200
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	0.15	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	0.17
Ethylbenzene	0.05	mg/kg	< 0.05	0.76	0.34
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	1.4	2.5
Fluorobenzene (surr.)	1	%	76	79	80
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	-	< 1
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Fluorene	0.1	mg/kg	< 0.1	-	< 0.5
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	-	< 1
Phenanthrene	0.1	mg/kg	< 0.1	-	< 0.2
Pyrene	0.1	mg/kg	< 0.1	-	< 0.2
Total PAH	0.1	mg/kg	< 0.1	-	< 1
Chrysene-d12 (surr.)	1	%	118	-	104
2-Fluorobiphenyl (surr.)	1	%	103	-	86

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Client Sample ID	CCM104Q_VP20_140308	CCM104Q_VP20_140308
Lab Number	08-MA08268	08-MA08268
Matrix	Soil	Soil
Sample Date	Mar 14, 2008	Mar 14, 2008
LOR	Units	
0.1	mg/kg	< 0.1
0.1	mg/kg	< 0.1
0.5	mg/kg	< 0.5
0.1	mg/kg	< 0.1
0.1	mg/kg	< 0.1
0.1	mg/kg	< 0.1
0.1	mg/kg	< 0.1
0.2	mg/kg	< 0.2
0.1	mg/kg	< 0.1
0.5	mg/kg	< 0.5
0.1	mg/kg	< 0.1
1	%	109
0.1	%	13
5	mg/kg	11

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ERM

Client Sample ID		CCM104Q_VP24_140308	CCM104Q_VP25_140308	CCM104Q_VP26_140308	CCM104Q_VP27_140308
Level 1, 60 Leichhardt street	Lab Number	08-MA08272	08-MA08273	08-MA08274	08-MA08275
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	75	70	74
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	-	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Fluorene	0.1	mg/kg	< 0.1	-	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	-	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	-	< 0.1
Pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Total PAH	0.1	mg/kg	< 0.1	-	< 0.1
Chrysene-d12 (surr.)	1	%	110	-	107
2-Fluorobiphenyl (surr.)	1	%	101	-	89

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ERM	Client Sample ID		CCM104Q_VP24_140308	CCM104Q_VP25_140308	CCM104Q_VP26_140308	CCM104Q_VP27_140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08272	08-MA08273	08-MA08274	08-MA08275
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	-	< 0.1	-
2-Nitrophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	-	< 0.2	-
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	-	< 0.1	-
Pentachlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenol	0.1	mg/kg	< 0.1	-	< 0.1	-
Phenol-d6 (surr.)	1	%	72	-	87	-
% Moisture	0.1	%	7.6	8.9	10	12
Heavy Metals						
Lead	5	mg/kg	30	6.9	5.1	23

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Client Sample ID		CCM104Q_VP28_140308	CCM104Q_VP29_140308	CCM104Q_VP30_140308	CCM104Q_V1-2.5_120308
Level 1, 60 Leichhardt street	Lab Number	08-MA08276	08-MA08277	08-MA08278	08-MA08279
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 12, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	200	2700
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	650	1800
TRH C15-C28 Fraction by GC	100	mg/kg	240	150	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	190	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	2.0
Toluene	0.05	mg/kg	< 0.05	13	210
Ethylbenzene	0.05	mg/kg	< 0.05	8.8	92
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.1	67	810
Fluorobenzene (surr.)	1	%	79	96	97
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	-	0.2
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Fluorene	0.1	mg/kg	< 0.1	-	0.2
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	-	38
Phenanthrene	0.1	mg/kg	< 0.1	-	0.3
Pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Total PAH	0.1	mg/kg	< 0.1	-	39
Chrysene-d12 (surr.)	1	%	104	-	128
2-Fluorobiphenyl (surr.)	1	%	91	-	124

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ERM	Client Sample ID		CCM104Q_VP28_140308	CCM104Q_VP29_140308	CCM104Q_VP30_140308	CCM104Q_V1-2.5_120308
Level 1, 60 Leichhardt street	Lab Number		08-MA08276	08-MA08277	08-MA08278	08-MA08279
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 12, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	-	< 1	-
2-Nitrophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	-	< 0.5	-
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	-	< 0.5	-
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	-	< 0.1	-
Pentachlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenol	0.1	mg/kg	< 0.1	-	< 0.2	-
Phenol-d6 (surr.)	1	%	98	-	123	-
% Moisture	0.1	%	10	14	9.5	13
Heavy Metals						
Lead	5	mg/kg	6.1	5.9	6.1	< 5

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Client Sample ID		CCM104Q_V2-1.25_120308	CCM104Q_V3-2.6_140308	CCM104Q_V4-1.25_140308	CCM104Q_V5-2.2_140308
Level 1, 60 Leichhardt street	Lab Number	08-MA08280	08-MA08281	08-MA08282	08-MA08283
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Mar 12, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	110	63
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	1500	1000
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	5500	2500
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.2	< 0.1	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	0.28	0.32
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.4	0.40	0.09
Fluorobenzene (surr.)	1	%	82	83	76
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	-	0.4
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	< 0.1	-	2.2
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	-	0.2
Fluorene	0.1	mg/kg	< 0.1	-	0.8
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	-	0.6
Phenanthrene	0.1	mg/kg	< 0.1	-	1.9
Pyrene	0.1	mg/kg	< 0.1	-	0.2
Total PAH	0.1	mg/kg	< 0.1	-	6.3
Chrysene-d12 (surr.)	1	%	95	-	96
2-Fluorobiphenyl (surr.)	1	%	91	-	82

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	Client Sample ID		CCM104Q_V2-1.25 120308	CCM104Q_V2-1.25 140308
	Lab Number		08-MA08280	08-MA08280
	Matrix		Soil	Soil
	Sample Date		Mar 12, 2008	Mar 14, 2008
	LOR	Units		
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.5	mg/kg	< 0.5	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.2	mg/kg	< 0.2	
	0.1	mg/kg	< 0.1	
	0.5	mg/kg	< 0.5	
	0.1	mg/kg	< 0.1	
	1	%	80	
	0.1	%	13	
	5	mg/kg	< 5	

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Client Sample ID		CCM104Q_V6-1.0_140308	CCM104Q_V7-2.2_140308	CCM104Q_V8-1.0_140308	CCM104Q_V9-1.0_140308
Level 1, 60 Leichhardt street	Lab Number	08-MA08284	08-MA08285	08-MA08286	08-MA08287
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	160	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	3000	1300	1100
TRH C15-C28 Fraction by GC	100	mg/kg	11000	3500	3000
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	0.17	< 0.05	0.07
Ethylbenzene	0.05	mg/kg	0.08	0.67	0.09
Xylenes(ortho.meta and para)	0.05	mg/kg	0.15	0.21	0.10
Fluorobenzene (surr.)	1	%	76	89	89
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	0.4	-
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	-
Anthracene	0.1	mg/kg	0.2	0.2	-
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	-
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	-
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	-
Chrysene	0.1	mg/kg	< 0.1	< 0.1	-
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	-
Fluoranthene	0.1	mg/kg	0.2	0.2	-
Fluorene	0.1	mg/kg	1.5	1.5	-
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	-
Naphthalene	0.1	mg/kg	2.1	1.3	-
Phenanthrene	0.1	mg/kg	1.7	2.2	-
Pyrene	0.1	mg/kg	0.4	0.2	-
Total PAH	0.1	mg/kg	6.1	6.0	-
Chrysene-d12 (surr.)	1	%	97	101	-
2-Fluorobiphenyl (surr.)	1	%	102	92	-

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	Client Sample ID		CCM104Q_V6-1.0 140308
	Lab Number		08-MA08284
	Matrix		Soil
	Sample Date		Mar 14, 2008
	LOR	Units	
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.2	mg/kg	< 0.2
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	1	%	92
	0.1	%	7.5
	5	mg/kg	< 5

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Client Sample ID		CCM104Q_V10-2.2 140308	CCM104Q_V11-0.5 140308	CCM104Q_V12-0.5 140308	CCM104Q_V13-2.2 140308
Level 1, 60 Leichhardt street	Lab Number	08-MA08288	08-MA08289	08-MA08290	08-MA08291
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	510
TRH C10-C14 Fraction by GC	50	mg/kg	410	< 50	1400
TRH C15-C28 Fraction by GC	100	mg/kg	1500	140	4200
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	0.07
Toluene	0.05	mg/kg	< 0.05	< 0.05	0.13
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	1.3
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	0.06	0.09
Fluorobenzene (surr.)	1	%	95	89	92
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	-	< 0.1	-
Acenaphthylene	0.1	mg/kg	-	< 0.1	-
Anthracene	0.1	mg/kg	-	< 0.1	-
Benz(a)anthracene	0.1	mg/kg	-	< 0.1	-
Benzo(a)pyrene	0.1	mg/kg	-	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	-	< 0.1	-
Benzo(g,h,i)perylene	0.1	mg/kg	-	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	-	< 0.1	-
Chrysene	0.1	mg/kg	-	< 0.1	-
Dibenz(a,h)anthracene	0.1	mg/kg	-	< 0.1	-
Fluoranthene	0.1	mg/kg	-	< 0.1	-
Fluorene	0.1	mg/kg	-	< 0.1	-
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	-	< 0.1	-
Naphthalene	0.1	mg/kg	-	< 0.1	-
Phenanthrene	0.1	mg/kg	-	< 0.1	-
Pyrene	0.1	mg/kg	-	< 0.1	-
Total PAH	0.1	mg/kg	-	< 0.1	-
Chrysene-d12 (surr.)	1	%	-	97	-
2-Fluorobiphenyl (surr.)	1	%	-	80	-

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ERM	Client Sample ID		CCM104Q_V10-2.2 140308	CCM104Q_V11-0.5 140308	CCM104Q_V12-0.5 140308	CCM104Q_V13-2.2 140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08288	08-MA08289	08-MA08290	08-MA08291
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	-	< 0.1	-	< 0.1
2-Nitrophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	-	< 0.2	-	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	-	< 0.1	-	< 0.1
Pentachlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
Phenol	0.1	mg/kg	-	< 0.1	-	< 0.1
Phenol-d6 (surr.)	1	%	-	79	-	131
% Moisture	0.1	%	25	7.5	11	15
Heavy Metals						
Lead	5	mg/kg	< 5	7.5	5.6	< 5

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ERM

Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V14-2.2 140308	CCM104Q_V15-1.0 140308	CCM104Q_V16-1.8 140308	CCM104Q_V17-0.5 140308
	Lab Number		08-MA08292	08-MA08293	08-MA08294	08-MA08295
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	110	340	90
TRH C10-C14 Fraction by GC	50	mg/kg	630	470	2800	170
TRH C15-C28 Fraction by GC	100	mg/kg	1100	440	4700	200
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	0.17	< 0.05
Toluene	0.05	mg/kg	0.13	0.68	6.1	0.17
Ethylbenzene	0.05	mg/kg	0.61	4.3	9.1	3.4
Xylenes(ortho.meta and para)	0.05	mg/kg	2.6	26	41	13
Fluorobenzene (surr.)	1	%	91	87	91	77
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Acenaphthylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benz(a)anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	-	< 0.1	-	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Fluorene	0.1	mg/kg	-	0.4	-	0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	-	4.9	-	1.5
Phenanthrene	0.1	mg/kg	-	0.8	-	0.2
Pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Total PAH	0.1	mg/kg	-	6.1	-	1.8
Chrysene-d12 (surr.)	1	%	-	103	-	108
2-Fluorobiphenyl (surr.)	1	%	-	91	-	94

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	Client Sample ID		CCM104Q_V14-2_140308
	Lab Number		08-MA08292
	Matrix		Soil
	Sample Date		Mar 14, 2008
	LOR	Units	
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.5	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.2	mg/kg	-
	0.1	mg/kg	-
	0.5	mg/kg	-
	0.1	mg/kg	-
	1	%	-
	0.1	%	10
	5	mg/kg	73

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ERM

Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V18-1.8 140308	CCM104Q_V19-1.8 140308	CCM104Q_V20-0.5 140308	CCM104Q_V21-1.5 140308
	Lab Number		08-MA08296	08-MA08297	08-MA08298	08-MA08299
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	190	190	240	120
TRH C10-C14 Fraction by GC	50	mg/kg	3000	3000	3600	710
TRH C15-C28 Fraction by GC	100	mg/kg	4500	5600	9100	1200
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	1.0	1.2	0.29	< 0.05
Toluene	0.05	mg/kg	0.19	0.28	0.45	0.31
Ethylbenzene	0.05	mg/kg	6.7	4.2	1.7	1.2
Xylenes(ortho.meta and para)	0.05	mg/kg	6.1	14	7.3	0.46
Fluorobenzene (surr.)	1	%	76	82	75	85
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	-	1.4	-	< 0.1
Acenaphthylene	0.1	mg/kg	-	1.0	-	< 0.1
Anthracene	0.1	mg/kg	-	0.3	-	1.0
Benz(a)anthracene	0.1	mg/kg	-	0.2	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	-	0.2	-	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	-	0.5	-	< 0.1
Fluorene	0.1	mg/kg	-	4.7	-	0.6
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	-	15	-	0.9
Phenanthrene	0.1	mg/kg	-	8.0	-	0.8
Pyrene	0.1	mg/kg	-	0.5	-	< 0.1
Total PAH	0.1	mg/kg	-	32	-	3.3
Chrysene-d12 (surr.)	1	%	-	108	-	102
2-Fluorobiphenyl (surr.)	1	%	-	98	-	95

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	Client Sample ID		CCM104Q_V18-1_140308
	Lab Number		08-MA08296
	Matrix		Soil
	Sample Date		Mar 14, 2008
	LOR	Units	
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.5	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.1	mg/kg	-
	0.2	mg/kg	-
	0.1	mg/kg	-
	0.5	mg/kg	-
	0.1	mg/kg	-
	1	%	-
	0.1	%	16
	5	mg/kg	< 5

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Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V22-1.5 140308	CCM104Q_V23-2.5 140308	CCM104Q_V24-2.5 140308	CCM104Q_V25-2.2 140308
	Lab Number		08-MA08300	08-MA08301	08-MA08302	08-MA08303
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	31	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	160	< 50	< 50	87
TRH C15-C28 Fraction by GC	100	mg/kg	230	< 100	< 100	180
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	0.93	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	0.20	< 0.05	< 0.05	0.08
Fluorobenzene (surr.)	1	%	76	86	76	79
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Acenaphthylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benz(a)anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	-	< 0.1	-	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	-	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Fluorene	0.1	mg/kg	-	< 0.1	-	< 0.2
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	-	< 0.1	-	< 0.1
Phenanthrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Pyrene	0.1	mg/kg	-	< 0.1	-	< 0.1
Total PAH	0.1	mg/kg	-	< 0.1	-	< 0.2
Chrysene-d12 (surr.)	1	%	-	116	-	104
2-Fluorobiphenyl (surr.)	1	%	-	105	-	90

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ERM	Client Sample ID		CCM104Q_V22-1.5 140308	CCM104Q_V23-2.5 140308	CCM104Q_V24-2.5 140308	CCM104Q_V25-2.2 140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08300	08-MA08301	08-MA08302	08-MA08303
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	-	< 0.1	-	< 0.1
2-Nitrophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	-	< 0.1	-	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	-	< 0.2	-	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	-	< 0.1	-	< 0.1
Pentachlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
Phenol	0.1	mg/kg	-	< 0.1	-	< 0.1
Phenol-d6 (surr.)	1	%	-	107	-	85
% Moisture	0.1	%	14	14	13	13
Heavy Metals						
Lead	5	mg/kg	5.8	< 5	< 5	< 5

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ERM

Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V26-2.2 _140308	CCM104Q_V27-2.2 _140308	CCM104Q_V28-2.2 _140308	CCM104Q_V29-2.2 _140308
Analysis Type	Lab Number		08-MA08304	08-MA08305	08-MA08306	08-MA08307
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	27	< 20	93
TRH C10-C14 Fraction by GC	50	mg/kg	170	1300	170	1300
TRH C15-C28 Fraction by GC	100	mg/kg	350	2100	480	2500
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	0.48	< 0.05	0.16
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	0.69	< 0.1	0.33
Fluorobenzene (surr.)	1	%	96	74	92	82
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluorene	0.1	mg/kg	< 0.2	-	< 0.2	-
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Naphthalene	0.1	mg/kg	0.7	-	< 0.1	-
Phenanthrene	0.1	mg/kg	0.4	-	0.2	-
Pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PAH	0.1	mg/kg	1.1	-	0.2	-
Chrysene-d12 (surr.)	1	%	114	-	116	-
2-Fluorobiphenyl (surr.)	1	%	118	-	100	-

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Client Sample ID		CCM104Q_V26-2.2 140308	CCM104Q_V26-2.2 140308
Lab Number		08-MA08304	08-MA08304
Matrix		Soil	Soil
Sample Date		Mar 14, 2008	Mar 14, 2008
LOR	Units		
0.1	mg/kg	< 0.1	
0.1	mg/kg	< 0.1	
0.5	mg/kg	< 0.5	
0.1	mg/kg	< 0.1	
0.1	mg/kg	< 0.1	
0.1	mg/kg	< 0.1	
0.1	mg/kg	< 0.1	
0.2	mg/kg	< 0.2	
0.1	mg/kg	< 0.1	
0.5	mg/kg	< 0.5	
0.1	mg/kg	< 0.1	
1	%	100	
0.1	%	9.6	
5	mg/kg	< 5	

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ERM

Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V38-1.5 140308	CCM104Q_V31-1.5 140308	CCM104Q_V32-1.5 140308	CCM104Q_V33-1.5 140308
	Lab Number		08-MA08308	08-MA08309	08-MA08310	08-MA08311
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	87	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	390	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	0.60	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	109	91	109	86
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1	-
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1	-
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1	-
Fluorene	0.1	mg/kg	< 0.2	-	< 0.1	-
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Naphthalene	0.1	mg/kg	0.4	-	< 0.1	-
Phenanthrene	0.1	mg/kg	0.4	-	< 0.1	-
Pyrene	0.1	mg/kg	< 0.1	-	< 0.1	-
Total PAH	0.1	mg/kg	0.8	-	< 0.1	-
Chrysene-d12 (surr.)	1	%	107	-	140	-
2-Fluorobiphenyl (surr.)	1	%	98	-	122	-

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	Client Sample ID		CCM104Q_V38-1.5_140308	CCM104Q_V38-1.5_140308
	Lab Number		08-MA08308	08-MA08308
	Matrix		Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008
	LOR	Units		
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.5	mg/kg	< 0.5	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.1	mg/kg	< 0.1	
	0.2	mg/kg	< 0.2	
	0.1	mg/kg	< 0.1	
	0.5	mg/kg	< 0.5	
	0.1	mg/kg	< 0.1	
	1	%	78	
	0.1	%	7.4	6
	5	mg/kg	28	

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Client Sample ID		CCM104Q_V34_140308	CCM104Q_V35-1.5_140308	CCM104Q_V36-1.5_140308	CCM104Q_V37-1.5_140308
Level 1, 60 Leichhardt street	Lab Number	08-MA08312	08-MA08313	08-MA08314	08-MA08315
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	64	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	1500	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	3800	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	0.11	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	1.2	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	0.25	< 0.05
Fluorobenzene (surr.)	1	%	100	119	81
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	-	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	< 0.1	-	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Fluorene	0.1	mg/kg	< 0.1	-	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	0.3	-	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	-	< 0.1
Pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Total PAH	0.1	mg/kg	0.3	-	< 0.1
Chrysene-d12 (surr.)	1	%	124	-	113
2-Fluorobiphenyl (surr.)	1	%	129	-	98

COMMENTS:

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ERM	Client Sample ID		CCM104Q_V34_140308	CCM104Q_V35-1.5_140308	CCM104Q_V36-1.5_140308	CCM104Q_V37-1.5_140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08312	08-MA08313	08-MA08314	08-MA08315
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	-	< 0.1	-
2-Nitrophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	-
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	-	< 0.2	-
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	-	< 0.1	-
Pentachlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	-
Phenol	0.1	mg/kg	< 0.1	-	< 0.1	-
Phenol-d6 (surr.)	1	%	135	-	77	-
% Moisture	0.1	%	8.7	9.6	11	4.3
Heavy Metals						
Lead	5	mg/kg	< 5	< 5	5.8	7.9

COMMENTS:

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ERM

Client Sample ID		CCM104Q_V30-1.5_140308	CCM104Q_V39-1.5_140308	CCM104Q_PB_140308	CCM104Q_SP1_140308
Level 1, 60 Leichhardt street	Lab Number	08-MA08316	08-MA08317	08-MA08318	08-MA08319
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	28
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	1500
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	12000
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	3200
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	0.30
Fluorobenzene (surr.)	1	%	83	82	125
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	-	< 2
Acenaphthylene	0.1	mg/kg	< 0.1	-	< 0.1
Anthracene	0.1	mg/kg	< 0.1	-	< 1
Benz(a)anthracene	0.1	mg/kg	< 0.1	-	< 0.2
Benzo(a)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	< 0.1	-	< 0.2
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	-	< 0.5
Fluorene	0.1	mg/kg	< 0.1	-	< 2
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	-	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	-	< 0.2
Phenanthrene	0.1	mg/kg	< 0.1	-	1.9
Pyrene	0.1	mg/kg	< 0.1	-	< 1
Total PAH	0.1	mg/kg	< 0.1	-	1.9
Chrysene-d12 (surr.)	1	%	115	-	119
2-Fluorobiphenyl (surr.)	1	%	106	-	107

COMMENTS:

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ERM	Client Sample ID		CCM104Q_V30-1.5_140308	CCM104Q_V39-1.5_140308	CCM104Q_PB_140308	CCM104Q_SP1_140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08316	08-MA08317	08-MA08318	08-MA08319
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Organochlorine Pesticides						
4,4'-DDD	0.05	mg/kg	-	-	-	< 0.05
4,4'-DDE	0.05	mg/kg	-	-	-	< 0.05
4,4'-DDT	0.05	mg/kg	-	-	-	< 0.05
a-BHC	0.05	mg/kg	-	-	-	< 0.05
Aldrin	0.05	mg/kg	-	-	-	< 0.05
b-BHC	0.05	mg/kg	-	-	-	< 0.05
Chlordane	0.1	mg/kg	-	-	-	< 0.1
d-BHC	0.05	mg/kg	-	-	-	< 0.05
Dieldrin	0.05	mg/kg	-	-	-	0.07
Endosulfan I	0.05	mg/kg	-	-	-	< 0.05
Endosulfan II	0.05	mg/kg	-	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	-	< 0.05
Endrin	0.05	mg/kg	-	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	-	< 0.05
Endrin ketone	0.05	mg/kg	-	-	-	< 0.05
g-BHC (Lindane)	0.05	mg/kg	-	-	-	< 0.05
Heptachlor	0.05	mg/kg	-	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	-	< 0.05
Methoxychlor	0.05	mg/kg	-	-	-	< 0.05
Toxophene	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	-	95
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	83
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	-	< 0.1

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V30-1.5_140308	CCM104Q_V39-1.5_140308	CCM104Q_PB_140308	CCM104Q_SP1_140308
	Lab Number		08-MA08316	08-MA08317	08-MA08318	08-MA08319
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Aroclor-1248	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	-	< 0.1
Total PCB	1	mg/kg	-	-	-	< 1
Dibutylchlorendate (surr.)	1	%	-	-	-	95
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	83
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	-	< 0.2	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Pentachlorophenol	0.5	mg/kg	< 0.5	-	< 0.5	< 0.5
Phenol	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Phenol-d6 (surr.)	1	%	104	-	87	107
Organophosphorous Pesticides						
Chlorpyrifos	0.2	mg/kg	-	-	-	< 0.5
Chlorpyrifos Methyl*	0.2	mg/kg	-	-	-	< 0.5
Diazinon	0.2	mg/kg	-	-	-	< 0.5
Dimethoate	0.2	mg/kg	-	-	-	< 0.5
Ethion	0.2	mg/kg	-	-	-	< 0.5
Fenitrothion	0.2	mg/kg	-	-	-	< 0.5
Fenthion	0.2	mg/kg	-	-	-	< 0.5
Malathion	0.2	mg/kg	-	-	-	< 0.5
Methyl azinphos	0.2	mg/kg	-	-	-	< 0.5

COMMENTS: * Non NATA Endorsed analysis

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_V30-1.5 140308	CCM104Q_V39-1.5 140308	CCM104Q_PB_ 140308	CCM104Q_SP1_ 140308
	Lab Number		08-MA08316	08-MA08317	08-MA08318	08-MA08319
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	LOR	Units				
Methyl parathion	0.2	mg/kg	-	-	-	< 0.5
Parathion*	0.2	mg/kg	-	-	-	*
Ronnel	0.2	mg/kg	-	-	-	< 0.5
Temephos*	0.2	mg/kg	-	-	-	*
% Moisture	0.1	%	5.7	7.4	9.2	9.0
Chromium (hexavalent)	1	mg/kg	-	-	-	< 1
Heavy Metals						
Chromium (trivalent)	5	mg/kg	-	-	-	58
Heavy Metals						
Boron	10	mg/kg	-	-	-	< 10
Lead	5	mg/kg	19	15	29	24
Mercury	0.1	mg/kg	-	-	-	< 0.1
Heavy Metals						
Arsenic	2	mg/kg	-	-	-	< 2
Cadmium	0.5	mg/kg	-	-	-	< 0.5
Chromium	5	mg/kg	-	-	-	58
Cobalt	5	mg/kg	-	-	-	8.1
Copper	5	mg/kg	-	-	-	< 5
Lead	5	mg/kg	-	-	-	24
Molybdenum	10	mg/kg	-	-	-	< 10
Nickel	5	mg/kg	-	-	-	5.6
Selenium	2	mg/kg	-	-	-	< 2
Tin	10	mg/kg	-	-	-	< 10
Zinc	5	mg/kg	-	-	-	52

COMMENTS: * Non NATA Endorsed analysis

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ERM

Level 1, 60 Leichhardt street	Client Sample ID		CCM104Q_SP2_140308
Spring Hill	Lab Number		08-MA08320
QLD 4004	Matrix		Soil
Analysis Type	Sample Date		Mar 14, 2008
Total Recoverable Hydrocarbons	LOR	Units	
TRH C6-C9 Fraction by GC	20	mg/kg	110
TRH C10-C14 Fraction by GC	50	mg/kg	830
TRH C15-C28 Fraction by GC	100	mg/kg	1900
TRH C29-C36 Fraction by GC	100	mg/kg	< 100
Monocyclic Aromatic Hydrocarbons			
Benzene	0.05	mg/kg	< 0.05
Toluene	0.05	mg/kg	0.25
Ethylbenzene	0.05	mg/kg	1.5
Xylenes(ortho.meta and para)	0.05	mg/kg	25
Fluorobenzene (surr.)	1	%	101
Polycyclic Aromatic Hydrocarbons			
Acenaphthene	0.1	mg/kg	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1
Anthracene	0.1	mg/kg	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1
Chrysene	0.1	mg/kg	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1
Fluorene	0.1	mg/kg	0.5
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1
Naphthalene	0.1	mg/kg	4.3
Phenanthrene	0.1	mg/kg	0.3
Pyrene	0.1	mg/kg	0.3
Total PAH	0.1	mg/kg	5.4
Chrysene-d12 (surr.)	1	%	97
2-Fluorobiphenyl (surr.)	1	%	93

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q_SP2_140308
	Lab Number		08-MA08320
	Matrix		Soil
	Sample Date		Mar 14, 2008
Analysis Type	LOR	Units	
Organochlorine Pesticides			
4,4'-DDD	0.05	mg/kg	< 0.05
4,4'-DDE	0.05	mg/kg	< 0.05
4,4'-DDT	0.05	mg/kg	< 0.05
a-BHC	0.05	mg/kg	< 0.05
Aldrin	0.05	mg/kg	< 0.05
b-BHC	0.05	mg/kg	< 0.05
Chlordane	0.1	mg/kg	< 0.1
d-BHC	0.05	mg/kg	< 0.05
Dieldrin	0.05	mg/kg	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05
Endrin	0.05	mg/kg	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05
g-BHC (Lindane)	0.05	mg/kg	< 0.05
Heptachlor	0.05	mg/kg	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05
Toxophene	0.1	mg/kg	< 0.1
Dibutylchlorodate (surr.)	1	%	97
Tetrachloro-m-xylene (surr.)	1	%	78
Polychlorinated Biphenyls			
Aroclor-1016	0.1	mg/kg	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1

COMMENTS:

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ERM	Client Sample ID		CCM104Q_SP2_140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08320
Spring Hill	Matrix		Soil
QLD 4004	Sample Date		Mar 14, 2008
Analysis Type	LOR	Units	
Aroclor-1248	0.1	mg/kg	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1
Total PCB	1	mg/kg	< 1
Dibutylchlorendate (surr.)	1	%	97
Tetrachloro-m-xylene (surr.)	1	%	78
Phenols			
2-Chlorophenol	0.1	mg/kg	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.2
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 1
Pentachlorophenol	0.5	mg/kg	< 0.5
Phenol	0.1	mg/kg	< 0.1
Phenol-d6 (surr.)	1	%	95
Organophosphorous Pesticides			
Chlorpyrifos	0.2	mg/kg	< 0.5
Chlorpyrifos Methyl*	0.2	mg/kg	< 0.5
Diazinon	0.2	mg/kg	< 0.5
Dimethoate	0.2	mg/kg	< 0.5
Ethion	0.2	mg/kg	< 0.5
Fenitrothion	0.2	mg/kg	< 0.5
Fenthion	0.2	mg/kg	< 0.5
Malathion	0.2	mg/kg	< 0.5
Methyl azinphos	0.2	mg/kg	< 0.5

COMMENTS: * Non NATA Endorsed analysis

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ERM	Client Sample ID		CCM104Q_SP2_140308
Level 1, 60 Leichhardt street	Lab Number		08-MA08320
Spring Hill	Matrix		Soil
QLD 4004	Sample Date		Mar 14, 2008
Analysis Type	LOR	Units	
Methyl parathion	0.2	mg/kg	< 0.5
Parathion*	0.2	mg/kg	*
Ronnel	0.2	mg/kg	< 0.5
Temephos*	0.2	mg/kg	*
% Moisture	0.1	%	7.5
Chromium (hexavalent)	1	mg/kg	< 1
Heavy Metals			
Chromium (trivalent)	5	mg/kg	35
Heavy Metals			
Boron	10	mg/kg	< 10
Lead	5	mg/kg	28
Mercury	0.1	mg/kg	< 0.1
Heavy Metals			
Arsenic	2	mg/kg	< 2
Cadmium	0.5	mg/kg	< 0.5
Chromium	5	mg/kg	35
Cobalt	5	mg/kg	9.9
Copper	5	mg/kg	5.7
Lead	5	mg/kg	28
Molybdenum	10	mg/kg	< 10
Nickel	5	mg/kg	7.9
Selenium	2	mg/kg	< 2
Tin	10	mg/kg	< 10
Zinc	5	mg/kg	27

COMMENTS: * Non NATA Endorsed analysis

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ERM	Client Sample ID	CCM104Q_VP1_130308	CCM104Q_VP1_130308	CCM104Q_VP1_130308	CCM104Q_VP1_130308
Level 1, 60 Leichhardt street	Lab Number	08-MA08236	08-MA08236	08-MA08236	08-MA08236
Spring Hill	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
QLD 4004	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	Units			% RPD	% Recovery
Total Recoverable Hydrocarbons					
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	94
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	72
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	89
Monocyclic Aromatic Hydrocarbons					
Benzene		< 0.05	< 0.05	< 1	103
Toluene		< 0.05	< 0.05	< 1	98
Ethylbenzene		< 0.05	< 0.05	< 1	88
Xylenes(ortho.meta and para)		< 0.05	< 0.05	< 1	96
Fluorobenzene (surr.)		84	95	-	111
Polycyclic Aromatic Hydrocarbons					
Acenaphthene		< 0.1	< 0.1	< 1	115
Acenaphthylene		< 0.1	< 0.1	< 1	111
Anthracene		< 0.1	< 0.1	< 1	103
Benz(a)anthracene		< 0.1	< 0.1	< 1	119
Benzo(a)pyrene		< 0.1	< 0.1	< 1	115
Benzo(b)fluoranthene		< 0.1	< 0.1	< 1	101
Benzo(g,h,i)perylene		< 0.1	< 0.1	< 1	89
Benzo(k)fluoranthene		< 0.1	< 0.1	< 1	116
Chrysene		< 0.1	< 0.1	< 1	122
Dibenz(a,h)anthracene		< 0.1	< 0.1	< 1	101
Fluoranthene		< 0.1	< 0.1	< 1	125
Fluorene		< 0.1	< 0.1	< 1	123
Indeno(1,2,3-cd)pyrene		< 0.1	< 0.1	< 1	88
Naphthalene		< 0.1	< 0.1	< 1	82
Phenanthrene		0.2	0.2	1.7	98
Pyrene		< 0.1	< 0.1	< 1	129
Total PAH		0.2	0.2	-	-
Chrysene-d12 (surr.)		117	119	-	109

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample	CCM104Q VP1	CCM104Q VP1	CCM104Q VP1	CCM104Q VP1
	Lab Number	08-MA08236	08-MA08236	08-MA08236	08-MA08236
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	Units			% RPD	% Recovery
Polycyclic Aromatic Hydrocarbons					
2-Fluorobiphenyl (surr.)		110	103	-	81
Phenols					
2-Chlorophenol		< 0.1	< 0.1	< 1	87
2-Methylphenol (o-Cresol)		< 0.1	< 0.1	< 1	92
2-Nitrophenol		< 0.5	< 0.5	< 1	126
2,4-Dichlorophenol		< 0.1	< 0.1	< 1	102
2,4-Dimethylphenol		< 0.1	< 0.1	< 1	107
2,4,6-Trichlorophenol		< 0.1	< 0.1	< 1	120
2,6-Dichlorophenol		< 0.1	< 0.1	< 1	125
3&4-Methylphenol (m&p-Cresol)		< 0.2	< 0.2	< 1	104
4-Chloro-3-methylphenol		< 0.1	< 0.1	< 1	111
Pentachlorophenol		< 0.5	< 0.5	< 1	109
Phenol		< 0.1	< 0.1	< 1	103
Phenol-d6 (surr.)		110	110	-	103
Heavy Metals					
Arsenic		-	-	7.2	84
Cadmium		-	-	< 1	97
Chromium		-	-	2.3	104
Cobalt		-	-	-	83
Copper		-	-	5.5	99
Lead		< 5	< 5	< 1	86
Molybdenum		-	-	< 1	82
Nickel		-	-	8.5	84
Selenium		-	-	< 1	84
Tin		-	-	< 1	81
Zinc		-	-	1.8	83

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	RPD	CCM104Q_VP4_130308
	Lab Number	BATCH	08-MA08239
	QA Description		Spike % Recovery
	Matrix	Soil	Soil
	Sample Date	Mar 13, 2008	Mar 13, 2008
Analysis Type	Units		% Recovery
Polycyclic Aromatic Hydrocarbons			
Total PAH		< 1	-
Chrysene-d12 (surr.)		-	-
2-Fluorobiphenyl (surr.)		-	-
Phenols			
Phenol-d6 (surr.)		-	-

COMMENTS:

ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	CCM104Q VP11_130308	CCM104Q VP11_130308	CCM104Q VP11_130308	CCM104Q VP11_130308	LCS	Method blank
	Lab Number	08-MA08246	08-MA08246	08-MA08246	08-MA08246	Batch	Batch
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Total Recoverable Hydrocarbons							
TRH C6-C9 Fraction by GC		-	-	< 1	88	110	< 0.02
TRH C10-C14 Fraction by GC		3800	3700	3.1	-	-	-
TRH C15-C28 Fraction by GC		7900	7800	1.5	-	-	-
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-	-	-
Monocyclic Aromatic Hydrocarbons							
Benzene		< 0.05	< 0.05	< 1	-	-	-
Toluene		< 0.1	< 0.1	< 1	-	-	-
Ethylbenzene		< 0.05	< 0.05	< 1	-	-	-
Xylenes(ortho.meta and para)		< 0.1	< 0.1	< 1	-	-	-
Fluorobenzene (surr.)		77	72	-	-	-	-

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ERM	Client Sample ID	CCM104Q_QC2_130308	CCM104Q_QC2_130308	CCM104Q_QC2_130308	CCM104Q_QC2_130308
Level 1, 60 Leichhardt street Spring Hill	Lab Number	08-MA08254	08-MA08254	08-MA08254	08-MA08254
QLD 4004	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
	Matrix	Water	Water	Water	Water
	Sample Date	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	Units			% RPD	% Recovery
Heavy Metals					
Arsenic		-	-	< 1	104
Boron		-	-	10	100
Cadmium		-	-	< 1	104
Chromium		-	-	< 1	100
Cobalt		-	-	< 1	105
Copper		-	-	< 1	103
Lead		< 0.001	< 0.001	< 1	96
Molybdenum		-	-	< 1	94
Nickel		-	-	< 1	104
Selenium		-	-	< 1	107
Tin		-	-	< 1	98
Zinc		-	-	< 1	107

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ERM	Client Sample ID	CCM104Q_QC7_140308	CCM104Q_QC7_140308	CCM104Q_QC7_140308	CCM104Q_QC7_140308
Level 1, 60 Leichhardt street Spring Hill	Lab Number	08-MA08259	08-MA08259	08-MA08259	08-MA08259
QLD 4004	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	Units			% RPD	% Recovery
Total Recoverable Hydrocarbons					
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	-
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	-
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-
Monocyclic Aromatic Hydrocarbons					
Benzene		< 0.05	< 0.05	< 1	-
Toluene		< 0.05	< 0.05	< 1	-
Ethylbenzene		< 0.05	< 0.05	< 1	-
Xylenes(ortho.meta and para)		< 0.05	< 0.05	< 1	-
Fluorobenzene (surr.)		81	82	-	-
<div> <div>Published under the</div> <div>RTI Act 2009</div> <div>Disclosure</div> </div>					

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ERM	Client Sample ID	CCM104Q QC12_140308	CCM104Q QC12_140308	CCM104Q QC12_140308	CCM104Q QC12_140308	LCS	Method blank
Level 1, 60 Leichhardt street	Lab Number	08-MA08264	08-MA08264	08-MA08264	08-MA08264	Batch	Batch
Spring Hill	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
QLD 4004	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Organochlorine Pesticides							
4,4'-DDD		< 0.05	< 0.05	< 1	102	117	< 0.005
4,4'-DDE		< 0.05	< 0.05	< 1	85	99	< 0.005
4,4'-DDT		< 0.05	< 0.05	< 1	77	77	< 0.005
a-BHC		< 0.05	< 0.05	< 1	76	103	< 0.005
Aldrin		< 0.05	< 0.05	< 1	78	99	< 0.005
b-BHC		< 0.05	< 0.05	< 1	93	89	< 0.005
Chlordane		< 0.1	< 0.1	< 1	81	-	< 0.01
d-BHC		< 0.05	< 0.05	< 1	76	121	< 0.005
Dieldrin		< 0.05	< 0.05	< 1	110	113	< 0.005
Endosulfan I		< 0.05	< 0.05	< 1	85	112	< 0.005
Endosulfan II		< 0.05	< 0.05	< 1	96	113	< 0.005
Endosulfan sulphate		< 0.05	< 0.05	< 1	85	95	< 0.005
Endrin		< 0.05	< 0.05	< 1	100	119	< 0.005
Endrin aldehyde		< 0.05	< 0.05	< 1	87	98	< 0.005
Endrin ketone		< 0.05	< 0.05	< 1	72	90	< 0.005
g-BHC (Lindane)		< 0.05	< 0.05	< 1	78	98	< 0.005
Heptachlor		< 0.05	< 0.05	< 1	87	114	< 0.005
Heptachlor epoxide		< 0.05	< 0.05	< 1	88	112	< 0.005
Hexachlorobenzene		< 0.05	< 0.05	< 1	76	85	< 0.005
Methoxychlor		< 0.05	< 0.05	< 1	90	127	< 0.005
Toxophene		< 0.1	< 0.1	< 1	79	-	< 0.01
Polychlorinated Biphenyls							
Aroclor-1016		< 0.1	< 0.1	< 1	-	-	< 0.01
Aroclor-1221		< 0.1	< 0.1	< 1	-	-	< 0.01
Aroclor-1232		< 0.1	< 0.1	< 1	-	-	< 0.01
Aroclor-1242		< 0.1	< 0.1	< 1	-	-	< 0.01
Aroclor-1248		< 0.1	< 0.1	< 1	-	-	< 0.01
Aroclor-1254		< 0.1	< 0.1	< 1	-	-	< 0.01

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample	CCM104Q	CCM104Q	CCM104Q	CCM104Q	LCS	Method blank
	Lab Number	08-MA08264	08-MA08264	08-MA08264	08-MA08264	Batch	Batch
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Polychlorinated Biphenyls							
Aroclor-1260		< 0.1	< 0.1	< 1	84	84	< 0.01
Total PCB		< 1	< 1	< 1	-	-	< 0.1
Dibutylchloroendate (surr.)		103	99	-	87	87	76
Tetrachloro-m-xylene (surr.)		89	87	-	85	79	73
Heavy Metals							
Mercury		< 0.1	< 0.1	< 1	79	104	< 0.005
Organophosphorous Pesticides							
Chlorpyrifos		-	-	< 1	-	-	< 0.002
Chlorpyrifos Methyl*		-	-	< 1	-	-	< 0.2
Diazinon		-	-	< 1	108	98	< 0.002
Dimethoate		-	-	< 1	112	100	< 0.2
Ethion		-	-	< 1	117	104	< 0.002
Fenitrothion		-	-	< 1	104	96	< 0.002
Fenthion		-	-	< 1	-	-	< 0.002
Malathion		-	-	< 1	-	-	< 0.2
Methyl azinphos		-	-	< 1	-	-	< 0.002
Methyl parathion		-	-	< 1	104	104	< 0.002
Ronnel		-	-	< 1	-	-	< 0.002

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	CCM104Q V2-1 25_120308	CCM104Q V2-1 25_120308	CCM104Q V2-1 25_120308	CCM104Q V2-1 25_120308	LCS	Method blank
	Lab Number	08-MA08280	08-MA08280	08-MA08280	08-MA08280	Batch	Batch
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Mar 12, 2008	Mar 12, 2008	Mar 12, 2008	Mar 12, 2008	Mar 12, 2008	Mar 12, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Total Recoverable Hydrocarbons							
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	113	-	-
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	-	-	-
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-	-	-
Heavy Metals							
Arsenic		-	-	5.0	86	-	-
Boron		-	-	< 1	88	106	< 0.25
Cadmium		-	-	< 1	98	-	-
Chromium		-	-	-	76	-	-
Cobalt		-	-	17	89	-	-
Copper		-	-	4.3	103	-	-
Lead		< 5	< 5	< 1	94	102	< 0.05
Molybdenum		-	-	10	91	-	-
Nickel		-	-	4.1	89	-	-
Selenium		-	-	< 1	87	-	-
Tin		-	-	8.0	85	-	-
Zinc		-	-	1.4	98	-	-

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ERM	Client Sample ID	CCM104Q_V11-0.5_140308	CCM104Q_V11-0.5_140308	CCM104Q_V11-0.5_140308	CCM104Q_V11-0.5_140308	LCS	Method blank
Level 1, 60 Leichhardt street Spring Hill QLD 4004	Lab Number	08-MA08289	08-MA08289	08-MA08289	08-MA08289	Batch	Batch
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Polycyclic Aromatic Hydrocarbons							
Acenaphthene		< 0.1	< 0.1	< 1	110	95	< 0.02
Acenaphthylene		< 0.1	< 0.1	< 1	103	96	< 0.02
Anthracene		< 0.1	< 0.1	< 1	96	90	< 0.02
Benz(a)anthracene		< 0.1	< 0.1	< 1	104	103	< 0.02
Benzo(a)pyrene		< 0.1	< 0.1	< 1	102	101	< 0.02
Benzo(b)fluoranthene		< 0.1	< 0.1	< 1	94	100	< 0.02
Benzo(g,h,i)perylene		< 0.1	< 0.1	< 1	90	92	< 0.02
Benzo(k)fluoranthene		< 0.1	< 0.1	< 1	107	92	< 0.02
Chrysene		< 0.1	< 0.1	< 1	104	98	< 0.02
Dibenz(a,h)anthracene		< 0.1	< 0.1	< 1	91	101	< 0.02
Fluoranthene		< 0.1	< 0.1	< 1	115	100	< 0.02
Fluorene		< 0.1	< 0.1	< 1	114	88	< 0.02
Indeno(1,2,3-cd)pyrene		< 0.1	< 0.1	< 1	94	95	< 0.02
Naphthalene		< 0.1	< 0.1	< 1	103	101	< 0.02
Phenanthrene		< 0.1	< 0.1	< 1	104	104	< 0.02
Pyrene		< 0.1	< 0.1	< 1	115	98	< 0.02
Total PAH		< 0.1	< 0.1	-	-	-	< 0.02
Chrysene-d12 (surr.)		97	100	-	116	112	121
2-Fluorobiphenyl (surr.)		80	87	-	103	89	100
Phenols							
2-Chlorophenol		< 0.1	< 0.1	< 1	95	92	< 0.01
2-Methylphenol (o-Cresol)		< 0.1	< 0.1	< 1	93	93	< 0.01
2-Nitrophenol		< 0.5	< 0.5	< 1	92	104	< 0.05
2,4-Dichlorophenol		< 0.1	< 0.1	< 1	94	95	< 0.01
2,4-Dimethylphenol		< 0.1	< 0.1	< 1	90	93	< 0.01
2,4,6-Trichlorophenol		< 0.1	< 0.1	< 1	86	100	< 0.01
2,6-Dichlorophenol		< 0.1	< 0.1	< 1	101	96	< 0.01
3&4-Methylphenol (m&p-Cresol)		< 0.2	< 0.2	< 1	86	95	< 0.02

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Analysis Type	
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Phenols

4-Chloro-3-methylphenol

Pentachlorophenol

Phenol

Phenol-d6 (surr.)

Client Sample	CCM104Q V11-	CCM104Q V11-	CCM104Q V11-	CCM104Q V11-	LCS	Method blank
Lab Number	08-MA08289	08-MA08289	08-MA08289	08-MA08289	Batch	Batch
QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
Matrix	Soil	Soil	Soil	Soil	Soil	Soil
Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Units			% RPD	% Recovery	% Recovery	mg/L
	< 0.1	< 0.1	< 1	119	91	< 0.01
	< 0.5	< 0.5	< 1	98	93	< 0.1
	< 0.1	< 0.1	< 1	92	91	< 0.01
	79	87	-	91	91	90

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	CCM104Q_V12-0.5_140308	CCM104Q_V12-0.5_140308	CCM104Q_V12-0.5_140308	CCM104Q_V12-0.5_140308
	Lab Number	08-MA08290	08-MA08290	08-MA08290	08-MA08290
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	Units			% RPD	% Recovery
Total Recoverable Hydrocarbons					
TRH C10-C14 Fraction by GC		1900	1500	23	-
TRH C15-C28 Fraction by GC		4200	3400	21	-
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-
<div>Published on 2009-03-12</div> <div>Disclosure Log</div> <div>RTI Act 2009</div>					

COMMENTS: * Non NATA Endorsed analysis

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[illegible]

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	CCM104Q_V32-1.5_140308	CCM104Q_V32-1.5_140308	CCM104Q_V32-1.5_140308	CCM104Q_V32-1.5_140308	LCS	Method blank
	Lab Number	08-MA08310	08-MA08310	08-MA08310	08-MA08310	Batch	Batch
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Total Recoverable Hydrocarbons							
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	75	-	< 0.05
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	-	84	< 0.1
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-	-	< 0.1
Monocyclic Aromatic Hydrocarbons							
Benzene		< 0.05	< 0.05	< 1	76	-	-
Toluene		< 0.05	< 0.05	< 1	-	-	-
Ethylbenzene		< 0.05	< 0.05	< 1	-	-	-
Xylenes(ortho.meta and para)		< 0.05	< 0.05	< 1	77	-	-
Fluorobenzene (surr.)		109	95	-	84	-	-

COMMENTS:

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ERM	Client Sample ID	CCM104Q_SP2_140308	CCM104Q_SP2_140308	CCM104Q_SP2_140308	CCM104Q_SP2_140308	LCS	Method blank
Level 1, 60 Leichhardt street Spring Hill	Lab Number	08-MA08320	08-MA08320	08-MA08320	08-MA08320	Batch	Batch
QLD 4004	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Monocyclic Aromatic Hydrocarbons							
Benzene		< 0.05	< 0.05	< 1	-	102	< 0.005
Toluene		0.25	0.25	2.0	-	93	< 0.005
Ethylbenzene		1.5	1.7	11	-	113	< 0.005
Xylenes(ortho.meta and para)		25	28	11	-	90	< 0.005
Fluorobenzene (surr.)		101	97	-	-	111	100

COMMENTS:

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Sample Receipt Advice

Company name: ERM-Queensland
Contact name: sch4p4(6) Personal informati
Client job number: QUILPIE DEPOT - 0081610
COC number: 1654-58
Turn around time: Five day
Date received: Oct 23, 2008
MGT lab reference: 235919

Sample information

- ☒ All samples have been received as described on the above COC.
- ☒ COC has been completed correctly.
- ☒ All samples were provided chilled.
- ☒ Appropriately preserved sample containers have been used.
- ☒ All samples were received in good condition.
- ☒ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.

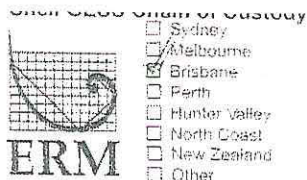
Contact notes

If you have any questions with respect to these samples please contact:

sch4p4(6) Personal info on the above number or by e.mail: sch4p4(6) Personal information

Results will be delivered electronically via e.mail to sch4p4(6) Personal informa
sch4p4(6) Personal information

mgt Sample Receipt



Grid Floor, 33 Saunders Street, Pyrmont, NSW, 2009 (ph) 02 8584 8888 (fax) 02 8584 8800
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PO Box 7336, Cloisters Square, WA, 8450 (ph) 08 9321 5200 (fax) 08 9321 5262
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PO Box 106234, Auckland City 1143 (ph) +64 9303 4664 (fax) +64 9303 9254

Project No: 0081610

Project Name: Zimbic Dyke

Project Location: Broken Shelf Quail

Project Manager: sch4p4(6) Personal informat

Sampler: sch4p4(6) Personal informat

COC Number

A 1654

Laboratory

General Analysis Requirements

1. Turn Around Time (please tick) ☐ 1 Day ☐ 2 Days ☒ Normal TAT

2. Laboratory to filter samples?

Yes (tick)

Shell Network ID Number	Sample ID	Sample Date	Sample Time	Matrix			Preservation				Containers (number/type)	Type I	Type II	Type III	Type IV	Type V	Type VI	Type VII	Type VIII	Grain Size	Frac. Org.	TPH Spec.	TCLP Anal.	BTEX	TPH C ₁₂	Alkalinity	CO ₂	Methane	Manganese	Asbestos																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Comments Mail results to Project Manager and to au.projectgess@erm.com Use Shell GESS contract pricing.

Sample bottles mislabeled, job number for all is 0081610

☒ Ship via MGT Courier (TNT Account # 20744136)
☐ Other Shipment method

Relinquished by sch4p4(6) Personal informat

Signed. sch4p4(6) Personal informat

Date/Time: 19/10/08

Received by: sch4p4(6) Personal informat (Report # 235919) Date/Time: 23/10/08 9-

Relinquished by 21-373

Signed.

Date/Time: File B

Received by:

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 PO Box 106234, Auckland City 1143. (ph) +64 9303 4664 (fax) +64 9303 3254

Project No: 0081610

Project Name: Quilpie Depot

Project Location: Brothers St. Quilpie

Project Manager: sch4p4(6) Personal information

Sampler: sch4p4(6) Personal information

COC Number

A 1655

Laboratory

General Analysis Requirements

Yes (tick)

1. Turn Around Time (please tick: ☐ 1 Day ☐ 2 Days ☐ Normal TAT)

2. Laboratory to filter samples?

Shell Network ID Number	Sample ID	Sample Date	Sample Time	Matrix			Preservation				Containers (number/type)	Type I	Type II	Type III	Type IV	Type V	Type VI	Type VII	Type VIII	Grain Size Distrib.	Frac. Organic Carbon	TPH Speciation	TCLP Analysis	BTEX	TPH C ₁₅	Alkalinity	CO ₂	Methane	Manganese	Asbestos	TOL	Other Comments on sample (eg: high voc, highly contaminated, special detection limits etc)
				Soil	Water	Other	Ice	Acid	Filter	Other																						
A632	SB01_0.2-1.0																															
A632	MW01																															
CCM104Q	SB3-1.0-1.1	15/10		X			X					X	X	X																		
CCM104Q	SB3-2.0-2.1	15/10		X			X					X	X																			
CCM104Q	SB3-3.0-3.1	15/10		X			X					X	X																			
CCM104Q	SB3-4.0-4.1	15/10		X			X					X	X																			
CCM104Q	SB3-5.0-5.1	15/10		X			X					X	X																			
CCM104Q	DO1	15/10		X			X					X	X																			
CCM104Q	SB4-0.1-0.2	15/10		X			X					X	X																			
CCM104Q	SB4-0.5-0.6	15/10		X			X					X	X																			
CCM104Q	SB4-1.0-1.2	15/10		X			X					X	X																			
CCM104Q	SB4-2.0-2.1	15/10		X			X					X	X																			
CCM104Q	SB4-3.0-3.1	15/10		X			X					X	X																			
CCM104Q	SB4-4.0-4.1	15/10		X			X					X	X																			
CCM104Q	SB4-5.0-5.1	15/10		X			X					X	X																			
CCM104Q	SB4-6.0-6.1	15/10		X			X					X	X																			
CCM104Q	DO2	15/10		X			X					X	X																			
CCM104Q	SB5-0.1-0.2	15/10		X			X					X	X																			
CCM104Q	SB5-0.5-0.6	15/10		X			X					X	X																			
CCM104Q	SB5-1.0-1.1	15/10		X			X					X	X																			

Comments: Mail results to Project Manager and to au.projectgess@erm.com
 Use Shell GESS contract pricing.

- ☐ Ship via MGT Courier (TNT Account # 20744136)
☐ Other Shipment method ()

Relinquished by: sch4p4(6) Personal information

Signed: sch4p4(6) Personal information

Date/Time: 18/10/08

Received: sch4p4(6) Personal information (Report # 235919)

Date/Time:

Relinquished by: sch4p4(6) Personal information

Signed:

Date/Time: File B

Received by:

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PO Box 106234, Auckland City 1143. (ph) +64 9303 4664 (fax) +64 9303 3254

Project No: 0081610

Project Name: Dump Depot

Project Location: Krolga St, Dunlop

Project Manager: sch4p4(6) Personal informati

Sampler: sch4p4(6) Personal informati

COC Number

A 1656

Laboratory

General Analysis Requirements

1. Turn Around Time (please tick: ☐ 1 Day ☐ 2 Days ☒ Normal TAT)

2. Laboratory to filter samples?

Shell Network ID Number	Sample ID	Sample Date	Sample Time	Matrix			Preservation				Containers (number/type)	Type I	Type II	Type III	Type IV	Type V	Type VI	Type VII	Type VIII	Grain Size Distribut.	Frac. Organic Carbon	TPH Speciation	TCLP Analysis	BTEX	TPH C ₁₀	Alkalinity	CO ₂	Methane	Manganese	Asbestos	TOC	Other Comments on sample (eg. high voc, highly contaminated, special detection limits etc)
				Soil	Water	Other	Ice	Acid	Filter	Other																						
A632	SB01_0.2-1.0																															
A632	MW01																															
CCM1042	SBS-2.0-2.1	15/10		X			X					X	X																			
CCM1042	SBS-3.0-3.1	15/10		X			X					X	X																			
CCM1042	SBS-4.0-4.1	15/10		X			X					X	X																			
CCM1042	SBS-5.0-5.1	15/10		X			X					X	X																			
CCM1042	SBS-6.0-6.1	15/10		X			X					X	X																			
CCM1042	DO3	15/10		X			X					X	X																			
CCM1042	SBS-0.1-0.2	15/10		X			X					X	X																			
CCM1042	SBS-0.5-0.6	15/10		X			X					X	X	X																		X
CCM1042	SBS-1.0-1.1	15/10		X			X					X	X																			
CCM1042	SBS-2.0-2.1	15/10		X			X					X	X																			
CCM1042	SBS-3.0-3.1	15/10		X			X					X	X																			
CCM1042	SBS-4.0-4.1	15/10		X			X					X	X																			
CCM1042	SBS-5.0-5.1	15/10		X			X					X	X																			
CCM1042	SBS-6.0-6.1	15/10		X			X					X	X																			
CCM1042	DO4	15/10		X			X					X	X																			
	SBS-0.1-0.2																															
	SBS-0.5-0.6																															

Comments: Mail results to Project Manager and to au.projectgess@erm.com
Use Shell GESS contract pricing.

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☐ Other Shipment method ()

Relinquished by: sch4p4(6) Personal informati

Signed: sch4p4(6) Personal inform

Date/Time: 19/10/08

Received by: sch4p4(6)

Report # 235919

Date/Time:

Relinquished by: 21/3/3

Signed:

Date/Time: File B

Received by:

Page 122 of 300
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PO Box 106234, Auckland City 1143. (ph) +64 9303 4584 (fax) +64 9303 3254

Project No: 00281610

Project Name: Quilpa Depot

Project Location: Beilby St, Quilpa

Project Manager: sch4p4(6) Personal information

Sampler: sch4p4(6) Personal information

COC Number

A 1657

Laboratory

General Analysis Requirements

Yes (tick)

1. Turn Around Time (please tick: ☐ 1 Day ☐ 2 Days ☒ Normal TAT)

2. Laboratory to filter samples?

Other Comments on sample

(eg. high voc, highly contaminated, special detection limits etc)

Shell Network ID Number	Sample ID	Sample Date	Sample Time	Matrix			Preservation				Containers (number/type)	Type I	Type II	Type III	Type IV	Type V	Type VI	Type VII	Type VIII	Grain Size	Frac. Org	TPH Spec	TCLP Anal	BTEX	TPH C ₁₀	Alkalinity	CO ₂	Methane	Manganese	Asbestos	TOC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Comments: Mail results to Project Manager and to au.projectgess@erm.com
Use Shell GESS contract pricing.

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☐ Other Shipment method ()

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Date/Time: 19/10/08

Received: sch4p4(6)

(Report #235919)

Date/Time:

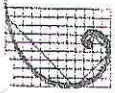
Relinquished by: 21373

Signed:

Date/Time: File B

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Project No: 0081610

Project Name: Quipre Depot

Project Location: Brooker St, Brisbane

Project Manager: sch4p4(6) Personal information

Sampler: sch4p4(6) Personal information

COC Number

A 1658

Laboratory

General Analysis Requirements

1. Turn Around Time (please tick: ☐ 1 Day ☐ 2 Days ☒ Normal TAT)

2. Laboratory to filter samples?

Yes (tick)

Shell Network ID Number	Sample ID	Sample Date	Sample Time	Matrix			Preservation				Containers (number/type)	Type I	Type II	Type III	Type IV	Type V	Type VI	Type VII	Type VIII	Grain Size	Frac. Org	TPH Spat	TCLP Anal	BTEX	TPH C ₁₀	Alkalinity	CO ₂	Methane	Manganese	Asbestos																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Comments: Mail results to Project Manager and to au.projectgess@erm.com
Use Shell GESS contract pricing.

- ☐ Ship via MGT Courier (TNT Account # 20744136)
☐ Other Shipment method ()

Relinquished by: sch4p4(6) Personal information

Signed:

sch4p4(6) Personal information

Date/Time: 19/10/09

Received by:

sch4p4(6)

(Report # 235-919)

Date/Time:

Relinquished by: 21-373

Signed:

Date/Time: File B

Received by:

Page 124 of 300
Date/Time:

HOLDING TIME AND EXTRACTION DATE REPORT

ERM
Level 1, 60 Leichhardt street
Spring Hill
QLD 4004
Site: QUILPIE DEPOT - 0081610

Report Number: 235919-Q1 Page 1 of 20
Order Number:
Date Received: Oct 23, 2008 12:00
Date Sampled: Oct 14, 2008 12:00
Date of Analysis Report: Nov 05, 2008
Date of this Report: Nov 05, 2008

Methods

- USEPA 8141A Organophosphorus Pesticides
- USEPA 8270C Phenols
- USEPA 8082 Polychlorinated Biphenyls
- USEPA 8081A Organochlorine Pesticides
- USEPA 8270C Polycyclic Aromatic Hydrocarbons
- USEPA 8260B - MGT 350A Monocyclic Aromatic Hydrocarbons
- MGT100A-GC (based on USEPA8015)Total Recoverable Hydrocarbons
- USEPA 6010B Heavy Metals & USEPA 7470/71 Mercury
- USEPA 6020 Heavy Metals & USEPA 7470/71 Mercury
- APHA 5310B Total Organic Carbon
- Method 102 - ANZECC - % Moisture
- HRAF -MGT100A GC/FID

Comments

Notes

Report Number: 235919-Q1

ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB1_0.1-0.2	SB1_0.5-0.6	SB1_1.0-1.1	SB1_2.0-2.1
	Lab Number	08-Oc08574	08-Oc08575	08-Oc08576	08-Oc08577
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
HRAF	28 Days	-	-	Oct 24, 2008	
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Organochlorine Pesticides	28 Days	-	-	Oct 24, 2008	
Polychlorinated Biphenyls	28 Days	-	-	Oct 24, 2008	
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Organophosphorous Pesticides	14 Day	-	-	Oct 24, 2008	
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB1_3.0-3.1	SB1_4.0-4.1	SB1_5.0-5.1	SB1_6.0-6.1
	Lab Number	08-Oc08578	08-Oc08579	08-Oc08580	08-Oc08581
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB2_0.1-0.2	SB2_0.5-0.6	SB2_1.0-1.1	SB2_2.0-2.1
	Lab Number	08-Oc08582	08-Oc08583	08-Oc08584	08-Oc08585
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB2_3.0-3.1	SB2_4.0-4.1	SB2_5.0-5.1	SB2_5.9-6.0
	Lab Number	08-Oc08586	08-Oc08587	08-Oc08588	08-Oc08589
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB3_0.1-0.2	SB3_0.5-0.6	SB3_1.0-1.1	SB3_2.0-2.1
	Lab Number	08-Oc08590	08-Oc08591	08-Oc08592	08-Oc08593
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
HRAF	28 Days	-	-	Oct 24, 2008	
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Organochlorine Pesticides	28 Days	-	-	Oct 24, 2008	
Polychlorinated Biphenyls	28 Days	-	-	Oct 24, 2008	
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Organophosphorous Pesticides	14 Day	-	-	Oct 24, 2008	
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Total Organic Carbon	14 Days	-	-	Oct 24, 2008	
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB3_3.0-3.1	SB3_4.0-4.1	SB3_5.0-5.1	DO1
	Lab Number	08-Oc08594	08-Oc08595	08-Oc08596	08-Oc08597
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB4_0.1-0.2	SB4_0.5-0.6	SB4_1.0-1.2	SB4_2.0-2.1
	Lab Number	08-Oc08598	08-Oc08599	08-Oc08600	08-Oc08601
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB4_3.0-3.1	SB4_4.0-4.1	SB4_5.0-5.1	SB4_6.0-6.1
	Lab Number	08-Oc08602	08-Oc08603	08-Oc08604	08-Oc08605
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	DO2	SB5_0.1-0.2	SB5_0.5-0.6	SB5_1.0-1.1
	Lab Number	08-Oc08606	08-Oc08607	08-Oc08608	08-Oc08609
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB5_2.0-2.1	SB5_3.0-3.1	SB5_4.0-4.1	SB5_5.0-5.1
	Lab Number	08-Oc08610	08-Oc08611	08-Oc08612	08-Oc08613
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB5_6.0-6.1	DO3	SB6_0.1-0.2	SB6_0.5-0.6
	Lab Number	08-Oc08614	08-Oc08615	08-Oc08616	08-Oc08617
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
HRAF	28 Days	-	-	-	Oct 24, 2008
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Organochlorine Pesticides	28 Days	-	-	-	Oct 24, 2008
Polychlorinated Biphenyls	28 Days	-	-	-	Oct 24, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Organophosphorous Pesticides	14 Day	-	-	-	Oct 24, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Total Organic Carbon	14 Days	-	-	-	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB6_1.0-1.1	SB6_2.0-2.1	SB6_3.0-3.1	SB6_4.0-4.1
	Lab Number	08-Oc08618	08-Oc08619	08-Oc08620	08-Oc08621
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB6_5.0-5.1	SB6_6.0-6.1	DO4	SB7_0.1-0.2
	Lab Number	08-Oc08622	08-Oc08623	08-Oc08624	08-Oc08625
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB7_0.5-0.6	SB7_1.0-1.1	SB7_2.0-2.1	SB7_3.0-3.1
	Lab Number	08-Oc08626	08-Oc08627	08-Oc08628	08-Oc08629
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
HRAF	28 Days	-	Oct 24, 2008		
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Organochlorine Pesticides	28 Days	-	Oct 24, 2008		
Polychlorinated Biphenyls	28 Days	-	Oct 24, 2008		
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Organophosphorous Pesticides	14 Day	-	Oct 24, 2008		
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Total Organic Carbon	14 Days	-	Oct 24, 2008		
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB7_4.0-4.1	SB7_5.0-5.1	SB7_6.0-6.1	DO5
	Lab Number	08-Oc08630	08-Oc08631	08-Oc08632	08-Oc08633
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB8_0.1-0.2	SB8_0.5-0.6	SB8_1.0-1.1	SB8_2.0-2.1
	Lab Number	08-Oc08634	08-Oc08635	08-Oc08636	08-Oc08637
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB8_3.0-3.1	SB8_4.0-4.1	DO6	RO1
	Lab Number	08-Oc08638	08-Oc08639	08-Oc08640	08-Oc08641
	Matrix	Soil	Soil	Soil	Water
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 14, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 29, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 29, 2008
Phenols	28 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 29, 2008
% Moisture	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	
Lead	1 Month	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 23, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	RO2	RO3	RO4	TB01
	Lab Number	08-Oc08642	08-Oc08643	08-Oc08644	08-Oc08645
	Matrix	Water	Water	Water	Water
	Sample Date	Oct 14, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 29, 2008	Oct 29, 2008	Oct 29, 2008	
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 29, 2008	Oct 29, 2008	Oct 29, 2008	
Phenols	28 Days	Oct 29, 2008	Oct 29, 2008	Oct 29, 2008	
Lead	1 Month	Oct 23, 2008	Oct 23, 2008	Oct 23, 2008	

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3 Kingston Town Close, Oakleigh, Victoria 3166, Australia
 Postal address: P. O. Box 276, Oakleigh, Victoria 3166, Australia
 Telephone: (03) 9564 7055
 Fax: (03) 9564 7190
 Email: mgt@mgtenv.com.au

ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004 Analysis Type TRH C6-C9 Fraction by GC Monocyclic Aromatic Hydrocarbons	Client Sample ID	TB02
	Lab Number	08-Oc08646
	Matrix	Water
	Sample Date	Oct 15, 2008
	Holding time	Extraction date
	14 Days	Oct 24, 2008
	14 Days	Oct 24, 2008

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 Disclosure Log
 RTI Act 2009

CERTIFICATE OF ANALYSIS

ERM
Level 1, 60 Leichhardt street
Spring Hill
QLD 4004
Site: QUILPIE DEPOT - 0081610

Report Number: 235919 Page 1 of 62
Order Number:
Date Received: Oct 23, 2008
Date Sampled: Oct 14, 2008
Date Reported: Nov 5, 2008
Contact: sch4p4(6) Personal i

Methods

- USEPA 8141A Organophosphorus Pesticides
- USEPA 8270C Phenols
- USEPA 8082 Polychlorinated Biphenyls
- USEPA 8081A Organochlorine Pesticides
- USEPA 8270C Polycyclic Aromatic Hydrocarbons
- USEPA 8260B - MGT 350A Monocyclic Aromatic Hydrocarbons
- MGT100A-GC (based on USEPA8015)Total Recoverable Hydrocarbons
- USEPA 6010B Heavy Metals & USEPA 7470/71 Mercury
- USEPA 6020 Heavy Metals & USEPA 7470/71 Mercury
- APHA 5310B Total Organic Carbon
- Method 102 - ANZECC - % Moisture
- HRAF -MGT100A GC/FID

Comments

Notes

1. The results in this report supersede any previously corresponded results.
2. All Soil Results are reported on a dry basis.
3. Samples are analysed on an as received basis.
4. LOR's are matrix dependent. Stated LOR's may be raised where sample extracts are diluted due to interferences.

ABBREVIATIONS

mg/kg : milligrams per kilograms, mg/L : milligrams per litre, ppm : parts per million,

LOR : Limit of Reporting

RPD : Relative Percent Difference

CRM : Certified Reference Material

LCS : Laboratory Control Sample

Authorised

Report Number: 235919

sch4p4(6) Personal information

Laboratory Manager
NATA Signatory

Chief Organic Chemist
NATA Signatory

Chief Inorganic Chemist



NATA Accredited
Laboratory Number 1261

The tests, calibrations or measurements covered by this document have been performed in accordance with NATA requirements which include the requirements of ISO/IEC 17025 and are traceable to national standards of measurement. This document shall not be reproduced, except in full.



Member

ERM	Client Sample ID		SB1_0.1-0.2	SB1_0.5-0.6	SB1_1.0-1.1	SB1_2.0-2.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08574	08-Oc08575	08-Oc08576	08-Oc08577
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	LOR	Units				
HRAF	10	mg/kg	-	-	Non Detect	
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	139	76	83	73
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	97	101	139	107

COMMENTS:

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ERM	Client Sample ID		SB1_0.1-0.2	SB1_0.5-0.6	SB1_1.0-1.1	SB1_2.0-2.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08574	08-Oc08575	08-Oc08576	08-Oc08577
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	LOR	Units				
2-Fluorobiphenyl (surr.)	1	%	84	77	87	113
Organochlorine Pesticides						
4,4'-DDD	0.05	mg/kg	-	-	< 0.05	-
4,4'-DDE	0.05	mg/kg	-	-	< 0.05	-
4,4'-DDT	0.05	mg/kg	-	-	< 0.05	-
a-BHC	0.05	mg/kg	-	-	< 0.05	-
Aldrin	0.05	mg/kg	-	-	< 0.05	-
b-BHC	0.05	mg/kg	-	-	< 0.05	-
Chlordane	0.1	mg/kg	-	-	< 0.1	-
d-BHC	0.05	mg/kg	-	-	< 0.05	-
Dieldrin	0.05	mg/kg	-	-	< 0.05	-
Endosulfan I	0.05	mg/kg	-	-	< 0.05	-
Endosulfan II	0.05	mg/kg	-	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	-
Endrin	0.05	mg/kg	-	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	-
Endrin ketone	0.05	mg/kg	-	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	-	-	< 0.05	-
Heptachlor	0.05	mg/kg	-	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	-
Methoxychlor	0.05	mg/kg	-	-	< 0.05	-
Toxophene	0.1	mg/kg	-	-	< 0.1	-
Dibutylchlorodate (surr.)	1	%	-	-	66	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	73	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	-	< 0.1	-

COMMENTS:

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ERM	Client Sample ID		SB1_0.1-0.2	SB1_0.5-0.6	SB1_1.0-1.1	SB1_2.0-2.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08574	08-Oc08575	08-Oc08576	08-Oc08577
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	LOR	Units				
Aroclor-1242	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	-	< 0.1	-
Total PCB	1	mg/kg	-	-	< 1	-
Dibutylchlorodate (surr.)	1	%	-	-	66	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	73	-
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pentachlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenol-d6 (surr.)	1	%	120	81	83	51
Organophosphorous Pesticides						
Chlorpyrifos	0.2	mg/kg	-	-	< 0.2	-
Chlorpyrifos Methyl*	0.2	mg/kg	-	-	< 0.2	-
Diazinon	0.2	mg/kg	-	-	< 0.2	-
Dimethoate	0.2	mg/kg	-	-	< 0.2	-
Ethion	0.2	mg/kg	-	-	< 0.2	-
Fenitrothion	0.2	mg/kg	-	-	< 0.2	-
Fenthion	0.2	mg/kg	-	-	< 0.2	-
Malathion	0.2	mg/kg	-	-	< 0.2	-

COMMENTS: * Non NATA Endorsed analysis

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ERM	Client Sample ID		SB1_0.1-0.2	SB1_0.5-0.6	SB1_1.0-1.1	SB1_2.0-2.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08574	08-Oc08575	08-Oc08576	08-Oc08577
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	LOR	Units				
Methyl azinphos	0.2	mg/kg	-	-	< 0.2	-
Methyl parathion	0.2	mg/kg	-	-	< 0.2	-
Ronnel	0.2	mg/kg	-	-	< 0.2	-
% Moisture	0.1	%	20	20	19	22
Heavy Metals						
Lead	5	mg/kg	9.8	9.4	15	< 5
<p>Published on DLS Disclosure Log RTI Act 2009</p>						

COMMENTS:

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ERM

Client Sample ID		SB1_3.0-3.1	SB1_4.0-4.1	SB1_5.0-5.1	SB1_6.0-6.1
Level 1, 60 Leichhardt street	Lab Number	08-Oc08578	08-Oc08579	08-Oc08580	08-Oc08581
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	76	77	80
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	108	135	93
2-Fluorobiphenyl (surr.)	1	%	57	84	102

COMMENTS:

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ERM	Client Sample ID		SB1_3.0-3.1	SB1_4.0-4.1	SB1_5.0-5.1	SB1_6.0-6.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08578	08-Oc08579	08-Oc08580	08-Oc08581
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pentachlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenol-d6 (surr.)	1	%	96	78	57	88
% Moisture	0.1	%	25	21	23	15
Heavy Metals						
Lead	5	mg/kg	< 5	< 5	< 5	6.8

COMMENTS:

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ERM

Client Sample ID		SB2_0.1-0.2	SB2_0.5-0.6	SB2_1.0-1.1	SB2_2.0-2.1
Lab Number		08-Oc08582	08-Oc08583	08-Oc08584	08-Oc08585
Matrix		Soil	Soil	Soil	Soil
Sample Date		Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	78	76	71
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	91	122	82
2-Fluorobiphenyl (surr.)	1	%	64	63	84

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		SB2_0.1-0.2	SB2_0.5-0.6	SB2_1.0-1.1	SB2_2.0-2.1
	Lab Number		08-Oc08582	08-Oc08583	08-Oc08584	08-Oc08585
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pentachlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenol-d6 (surr.)	1	%	108	80	70	81
% Moisture	0.1	%	19	18	21	16
Heavy Metals						
Lead	5	mg/kg	10	12	13	8.8

COMMENTS:

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ERM

Client Sample ID		SB2_3.0-3.1	SB2_4.0-4.1	SB2_5.0-5.1	SB2_5.9-6.0
Level 1, 60 Leichhardt street	Lab Number	08-Oc08586	08-Oc08587	08-Oc08588	08-Oc08589
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	58	50	69
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Indeno(1.2.3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	116	143	143
2-Fluorobiphenyl (surr.)	1	%	53	57	98
					71

COMMENTS:

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	Client Sample ID		SB2_3.0-3.1
	Lab Number		08-Oc08586
	Matrix		Soil
	Sample Date		Oct 14, 2008
	LOR	Units	
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.2	mg/kg	< 0.2
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	1	%	89
	0.1	%	22
	5	mg/kg	11

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ERM	Client Sample ID		SB3_0.1-0.2	SB3_0.5-0.6	SB3_1.0-1.1	SB3_2.0-2.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08590	08-Oc08591	08-Oc08592	08-Oc08593
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
HRAF	10	mg/kg	-	-	Non Detect	
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	65	59	96	61
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	122	142	124	136

COMMENTS:

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ERM	Client Sample ID		SB3_0.1-0.2	SB3_0.5-0.6	SB3_1.0-1.1	SB3_2.0-2.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08590	08-Oc08591	08-Oc08592	08-Oc08593
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
2-Fluorobiphenyl (surr.)	1	%	56	51	72	51
Organochlorine Pesticides						
4,4'-DDD	0.05	mg/kg	-	-	< 0.05	-
4,4'-DDE	0.05	mg/kg	-	-	< 0.05	-
4,4'-DDT	0.05	mg/kg	-	-	< 0.05	-
a-BHC	0.05	mg/kg	-	-	< 0.05	-
Aldrin	0.05	mg/kg	-	-	< 0.05	-
b-BHC	0.05	mg/kg	-	-	< 0.05	-
Chlordane	0.1	mg/kg	-	-	< 0.1	-
d-BHC	0.05	mg/kg	-	-	< 0.05	-
Dieldrin	0.05	mg/kg	-	-	< 0.05	-
Endosulfan I	0.05	mg/kg	-	-	< 0.05	-
Endosulfan II	0.05	mg/kg	-	-	< 0.05	-
Endosulfan sulphate	0.05	mg/kg	-	-	< 0.05	-
Endrin	0.05	mg/kg	-	-	< 0.05	-
Endrin aldehyde	0.05	mg/kg	-	-	< 0.05	-
Endrin ketone	0.05	mg/kg	-	-	< 0.05	-
g-BHC (Lindane)	0.05	mg/kg	-	-	< 0.05	-
Heptachlor	0.05	mg/kg	-	-	< 0.05	-
Heptachlor epoxide	0.05	mg/kg	-	-	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	-	-	< 0.05	-
Methoxychlor	0.05	mg/kg	-	-	< 0.05	-
Toxophene	0.1	mg/kg	-	-	< 0.1	-
Dibutylchlorodate (surr.)	1	%	-	-	56	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	62	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1221	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1232	0.1	mg/kg	-	-	< 0.1	-

COMMENTS:

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ERM	Client Sample ID		SB3_0.1-0.2	SB3_0.5-0.6	SB3_1.0-1.1	SB3_2.0-2.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08590	08-Oc08591	08-Oc08592	08-Oc08593
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Aroclor-1242	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1248	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1254	0.1	mg/kg	-	-	< 0.1	-
Aroclor-1260	0.1	mg/kg	-	-	< 0.1	-
Total PCB	1	mg/kg	-	-	< 1	-
Dibutylchlorendate (surr.)	1	%	-	-	56	-
Tetrachloro-m-xylene (surr.)	1	%	-	-	62	-
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pentachlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenol-d6 (surr.)	1	%	76	92	73	98
Organophosphorous Pesticides						
Chlorpyrifos	0.2	mg/kg	-	-	< 0.2	-
Chlorpyrifos Methyl*	0.2	mg/kg	-	-	< 0.2	-
Diazinon	0.2	mg/kg	-	-	< 0.2	-
Dimethoate	0.2	mg/kg	-	-	< 0.2	-
Ethion	0.2	mg/kg	-	-	< 0.2	-
Fenitrothion	0.2	mg/kg	-	-	< 0.2	-
Fenthion	0.2	mg/kg	-	-	< 0.2	-
Malathion	0.2	mg/kg	-	-	< 0.2	-

COMMENTS: * Non NATA Endorsed analysis

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ERM	Client Sample ID		SB3_0.1-0.2	SB3_0.5-0.6	SB3_1.0-1.1	SB3_2.0-2.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08590	08-Oc08591	08-Oc08592	08-Oc08593
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Methyl azinphos	0.2	mg/kg	-	-	< 0.2	-
Methyl parathion	0.2	mg/kg	-	-	< 0.2	-
Ronnel	0.2	mg/kg	-	-	< 0.2	-
% Moisture	0.1	%	20	11	15	22
Total Organic Carbon	50	mg/kg	-	-	2100	
Heavy Metals						
Lead	5	mg/kg	13	33	7.1	5.9
Published on 08/11/2009 Disclosed under RTI Act 2009						

COMMENTS:

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ERM

Client Sample ID		SB3_3.0-3.1	SB3_4.0-4.1	SB3_5.0-5.1	DO1
Level 1, 60 Leichhardt street	Lab Number	08-Oc08594	08-Oc08595	08-Oc08596	08-Oc08597
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	75	65	98
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	113	111	128
2-Fluorobiphenyl (surr.)	1	%	103	98	50

COMMENTS:

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	Client Sample ID		SB3_3.0-3.1
	Lab Number		08-Oc08594
	Matrix		Soil
	Sample Date		Oct 15, 2008
	LOR	Units	
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.2	mg/kg	< 0.2
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	1	%	74
	0.1	%	17
	5	mg/kg	5.1

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ERM

Client Sample ID		SB4_0.1-0.2	SB4_0.5-0.6	SB4_1.0-1.2	SB4_2.0-2.1
Level 1, 60 Leichhardt street	Lab Number	08-Oc08598	08-Oc08599	08-Oc08600	08-Oc08601
Spring Hill	Matrix	Soil	Soil	Soil	Soil
QLD 4004	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	84	65	66
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	0.2	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	0.2	< 0.1	< 0.1
Total PAH	0.1	mg/kg	0.6	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	131	94	134
2-Fluorobiphenyl (surr.)	1	%	116	91	70

COMMENTS:

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	Client Sample ID		SB4_0.1-0.2
	Lab Number		08-Oc08598
	Matrix		Soil
	Sample Date		Oct 15, 2008
	LOR	Units	
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.2	mg/kg	< 0.2
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	1	%	85
	0.1	%	5.4
	5	mg/kg	19

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ERM	Client Sample ID		SB4_3.0-3.1	SB4_4.0-4.1	SB4_5.0-5.1	SB4_6.0-6.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08602	08-Oc08603	08-Oc08604	08-Oc08605
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	64	69	67	96
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	105	89	81	82
2-Fluorobiphenyl (surr.)	1	%	62	146	89	106

COMMENTS:

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	Client Sample ID		SB4_3.0-3.1
	Lab Number		08-Oc08602
	Matrix		Soil
	Sample Date		Oct 15, 2008
	LOR	Units	
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.2	mg/kg	< 0.2
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	1	%	73
	0.1	%	12
	5	mg/kg	6.3

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ERM	Client Sample ID		DO2	SB5_0.1-0.2	SB5_0.5-0.6	SB5_1.0-1.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08606	08-Oc08607	08-Oc08608	08-Oc08609
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	69	77	82	72
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	96	126	111	121
2-Fluorobiphenyl (surr.)	1	%	76	56	64	76

COMMENTS:

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ERM	Client Sample ID		DO2	SB5_0.1-0.2	SB5_0.5-0.6	SB5_1.0-1.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08606	08-Oc08607	08-Oc08608	08-Oc08609
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pentachlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenol-d6 (surr.)	1	%	79	77	57	60
% Moisture	0.1	%	9.8	11	18	12
Heavy Metals						
Lead	5	mg/kg	< 5	9.8	10	7.5

COMMENTS:

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ERM	Client Sample ID		SB5_2.0-2.1	SB5_3.0-3.1	SB5_4.0-4.1	SB5_5.0-5.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08610	08-Oc08611	08-Oc08612	08-Oc08613
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	77	61	67	64
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	78	131	102	102
2-Fluorobiphenyl (surr.)	1	%	50	85	51	78

COMMENTS:

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	Client Sample ID		SB5_2.0-2.1
	Lab Number		08-Oc08610
	Matrix		Soil
	Sample Date		Oct 15, 2008
	LOR	Units	
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.2	mg/kg	< 0.2
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	1	%	92
	0.1	%	22
	5	mg/kg	7.2

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ERM	Client Sample ID		SB5_6.0-6.1	DO3	SB6_0.1-0.2	SB6_0.5-0.6
Level 1, 60 Leichhardt street	Lab Number		08-Oc08614	08-Oc08615	08-Oc08616	08-Oc08617
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
HRAF	10	mg/kg	-	-	-	Non Detect
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	96	64	67	73
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	126	120	108	138

COMMENTS:

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ERM	Client Sample ID		SB5_6.0-6.1	DO3	SB6_0.1-0.2	SB6_0.5-0.6
Level 1, 60 Leichhardt street	Lab Number		08-Oc08614	08-Oc08615	08-Oc08616	08-Oc08617
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
2-Fluorobiphenyl (surr.)	1	%	121	111	54	111
Organochlorine Pesticides						
4,4'-DDD	0.05	mg/kg	-	-	-	< 0.05
4,4'-DDE	0.05	mg/kg	-	-	-	< 0.05
4,4'-DDT	0.05	mg/kg	-	-	-	< 0.05
a-BHC	0.05	mg/kg	-	-	-	< 0.05
Aldrin	0.05	mg/kg	-	-	-	< 0.05
b-BHC	0.05	mg/kg	-	-	-	< 0.05
Chlordane	0.1	mg/kg	-	-	-	< 0.1
d-BHC	0.05	mg/kg	-	-	-	< 0.05
Dieldrin	0.05	mg/kg	-	-	-	< 0.05
Endosulfan I	0.05	mg/kg	-	-	-	< 0.05
Endosulfan II	0.05	mg/kg	-	-	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	-	-	< 0.05
Endrin	0.05	mg/kg	-	-	-	< 0.05
Endrin aldehyde	0.05	mg/kg	-	-	-	< 0.05
Endrin ketone	0.05	mg/kg	-	-	-	< 0.05
g-BHC (Lindane)	0.05	mg/kg	-	-	-	< 0.05
Heptachlor	0.05	mg/kg	-	-	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	-	< 0.05
Methoxychlor	0.05	mg/kg	-	-	-	< 0.05
Toxophene	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorodate (surr.)	1	%	-	-	-	125
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	130
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	-	< 0.1

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ERM	Client Sample ID		SB5_6.0-6.1	DO3	SB6_0.1-0.2	SB6_0.5-0.6
Level 1, 60 Leichhardt street	Lab Number		08-Oc08614	08-Oc08615	08-Oc08616	08-Oc08617
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Aroclor-1242	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1260	0.1	mg/kg	-	-	-	< 0.1
Total PCB	1	mg/kg	-	-	-	< 1
Dibutylchlorendate (surr.)	1	%	-	-	-	125
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	130
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pentachlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenol-d6 (surr.)	1	%	62	68	92	109
Organophosphorous Pesticides						
Chlorpyrifos	0.2	mg/kg	-	-	-	< 0.2
Chlorpyrifos Methyl*	0.2	mg/kg	-	-	-	< 0.2
Diazinon	0.2	mg/kg	-	-	-	< 0.2
Dimethoate	0.2	mg/kg	-	-	-	< 0.2
Ethion	0.2	mg/kg	-	-	-	< 0.2
Fenitrothion	0.2	mg/kg	-	-	-	< 0.2
Fenthion	0.2	mg/kg	-	-	-	< 0.2
Malathion	0.2	mg/kg	-	-	-	< 0.2

COMMENTS: * Non NATA Endorsed analysis

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[illegible]

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ERM

Client Sample ID		SB6_1.0-1.1	SB6_2.0-2.1	SB6_3.0-3.1	SB6_4.0-4.1
Lab Number		08-Oc08618	08-Oc08619	08-Oc08620	08-Oc08621
Matrix		Soil	Soil	Soil	Soil
Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons					
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	61	75	79
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	130	85	72
2-Fluorobiphenyl (surr.)	1	%	64	114	53

COMMENTS:

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	Client Sample ID		SB6_1.0-1.1
	Lab Number		08-Oc08618
	Matrix		Soil
	Sample Date		Oct 15, 2008
	LOR	Units	
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.2	mg/kg	< 0.2
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	1	%	72
	0.1	%	13
	5	mg/kg	< 5

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ERM	Client Sample ID		SB6_5.0-5.1	SB6_6.0-6.1	DO4	SB7_0.1-0.2
Level 1, 60 Leichhardt street	Lab Number		08-Oc08622	08-Oc08623	08-Oc08624	08-Oc08625
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	136	65	144	99
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	105	124	129	85
2-Fluorobiphenyl (surr.)	1	%	80	73	73	66

COMMENTS:

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ERM	Client Sample ID		SB6_5.0-5.1	SB6_6.0-6.1	DO4	SB7_0.1-0.2
Level 1, 60 Leichhardt street	Lab Number		08-Oc08622	08-Oc08623	08-Oc08624	08-Oc08625
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pentachlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenol-d6 (surr.)	1	%	81	85	69	79
% Moisture	0.1	%	22	27	18	23
Heavy Metals						
Lead	5	mg/kg	< 5	7.3	7.8	12

COMMENTS:

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ERM	Client Sample ID		SB7_0.5-0.6	SB7_1.0-1.1	SB7_2.0-2.1	SB7_3.0-3.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08626	08-Oc08627	08-Oc08628	08-Oc08629
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
HRAF	10	mg/kg	-	Non Detect		
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	147	62	66	51
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1.2.3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	133	103	84	131

COMMENTS:

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ERM	Client Sample ID		SB7_0.5-0.6	SB7_1.0-1.1	SB7_2.0-2.1	SB7_3.0-3.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08626	08-Oc08627	08-Oc08628	08-Oc08629
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
2-Fluorobiphenyl (surr.)	1	%	79	73	90	83
Organochlorine Pesticides						
4,4'-DDD	0.05	mg/kg	-	< 0.05	-	-
4,4'-DDE	0.05	mg/kg	-	< 0.05	-	-
4,4'-DDT	0.05	mg/kg	-	< 0.05	-	-
a-BHC	0.05	mg/kg	-	< 0.05	-	-
Aldrin	0.05	mg/kg	-	< 0.05	-	-
b-BHC	0.05	mg/kg	-	< 0.05	-	-
Chlordane	0.1	mg/kg	-	< 0.1	-	-
d-BHC	0.05	mg/kg	-	< 0.05	-	-
Dieldrin	0.05	mg/kg	-	< 0.05	-	-
Endosulfan I	0.05	mg/kg	-	< 0.05	-	-
Endosulfan II	0.05	mg/kg	-	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	-
Endrin	0.05	mg/kg	-	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	-
Endrin ketone	0.05	mg/kg	-	< 0.05	-	-
g-BHC (Lindane)	0.05	mg/kg	-	< 0.05	-	-
Heptachlor	0.05	mg/kg	-	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	-
Methoxychlor	0.05	mg/kg	-	< 0.05	-	-
Toxophene	0.1	mg/kg	-	< 0.1	-	-
Dibutylchlorendate (surr.)	1	%	-	124	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	102	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	-	-

COMMENTS:

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ERM	Client Sample ID		SB7_0.5-0.6	SB7_1.0-1.1	SB7_2.0-2.1	SB7_3.0-3.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08626	08-Oc08627	08-Oc08628	08-Oc08629
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Aroclor-1242	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	-	-
Total PCB	1	mg/kg	-	< 1	-	-
Dibutylchlorendate (surr.)	1	%	-	124	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	102	-	-
Phenols						
2-Chlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
2,4-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4-Dimethylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
2,6-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	< 0.2	< 0.2	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pentachlorophenol	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5
Phenol	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenol-d6 (surr.)	1	%	94	120	85	84
Organophosphorous Pesticides						
Chlorpyrifos	0.2	mg/kg	-	< 0.2	-	-
Chlorpyrifos Methyl*	0.2	mg/kg	-	< 0.2	-	-
Diazinon	0.2	mg/kg	-	< 0.2	-	-
Dimethoate	0.2	mg/kg	-	< 0.2	-	-
Ethion	0.2	mg/kg	-	< 0.2	-	-
Fenitrothion	0.2	mg/kg	-	< 0.2	-	-
Fenthion	0.2	mg/kg	-	< 0.2	-	-
Malathion	0.2	mg/kg	-	< 0.2	-	-

COMMENTS: * Non NATA Endorsed analysis

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		SB7_0.5-0.6	SB7_1.0-1.1	SB7_2.0-2.1	SB7_3.0-3.1
	Lab Number		08-Oc08626	08-Oc08627	08-Oc08628	08-Oc08629
	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Methyl azinphos	0.2	mg/kg	-	< 0.2	-	-
Methyl parathion	0.2	mg/kg	-	< 0.2	-	-
Ronnel	0.2	mg/kg	-	< 0.2	-	-
% Moisture	0.1	%	20	24	22	19
Total Organic Carbon	50	mg/kg	-	1100		
Heavy Metals						
Lead	5	mg/kg	10	11	6.0	< 5
<div>Published under Disclosure Log RTI Act 2009</div>						

COMMENTS:

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ERM	Client Sample ID		SB7_4.0-4.1	SB7_5.0-5.1	SB7_6.0-6.1	DO5
Level 1, 60 Leichhardt street	Lab Number		08-Oc08630	08-Oc08631	08-Oc08632	08-Oc08633
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	72	73	64	68
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	130	89	121	109
2-Fluorobiphenyl (surr.)	1	%	72	73	82	65

COMMENTS:

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	Client Sample ID		SB7_4.0-4.1
	Lab Number		08-Oc08630
	Matrix		Soil
	Sample Date		Oct 15, 2008
	LOR	Units	
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.2	mg/kg	< 0.2
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	1	%	62
	0.1	%	18
	5	mg/kg	5.5

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ERM	Client Sample ID		SB8_0.1-0.2	SB8_0.5-0.6	SB8_1.0-1.1	SB8_2.0-2.1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08634	08-Oc08635	08-Oc08636	08-Oc08637
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons						
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	86	68	56	61
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	87	80	135	118
2-Fluorobiphenyl (surr.)	1	%	79	66	68	51

COMMENTS:

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	Client Sample ID		SB8_0.1-0.2
	Lab Number		08-Oc08634
	Matrix		Soil
	Sample Date		Oct 15, 2008
	LOR	Units	
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.1	mg/kg	< 0.1
	0.2	mg/kg	< 0.2
	0.1	mg/kg	< 0.1
	0.5	mg/kg	< 0.5
	0.1	mg/kg	< 0.1
	1	%	68
	0.1	%	18
	5	mg/kg	5.2

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ERM

Client Sample ID		SB8_3.0-3.1	SB8_4.0-4.1	DO6
Level 1, 60 Leichhardt street	Lab Number	08-Oc08638	08-Oc08639	08-Oc08640
Spring Hill	Matrix	Soil	Soil	Soil
QLD 4004	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units		
Total Recoverable Hydrocarbons				
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100
Monocyclic Aromatic Hydrocarbons				
Benzene	0.05	mg/kg	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05
Fluorobenzene (surr.)	1	%	67	66
Polycyclic Aromatic Hydrocarbons				
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1
Naphthalene	0.1	mg/kg	< 0.1	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1
Pyrene	0.1	mg/kg	< 0.1	< 0.1
Total PAH	0.1	mg/kg	< 0.1	< 0.1
Chrysene-d12 (surr.)	1	%	121	132
2-Fluorobiphenyl (surr.)	1	%	56	76
				63

COMMENTS:

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	Client Sample ID		SB8
	Lab Number		08-C
	Matrix		Soil
	Sample Date		Oct
	LOR	Units	
	0.1	mg/kg	
	0.1	mg/kg	
	0.5	mg/kg	
	0.1	mg/kg	
	0.1	mg/kg	
	0.1	mg/kg	
	0.1	mg/kg	
	0.2	mg/kg	
	0.1	mg/kg	
	0.5	mg/kg	
	0.1	mg/kg	
	1	%	
	0.1	%	
	5	mg/kg	

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ERM	Client Sample ID		RO1	RO2	RO3	RO4
Level 1, 60 Leichhardt street	Lab Number		08-Oc08641	08-Oc08642	08-Oc08643	08-Oc08644
Spring Hill	Matrix		Water	Water	Water	Water
QLD 4004	Sample Date		Oct 14, 2008	Oct 14, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH C10-C14 Fraction by GC	0.05	mg/L	< 0.05	< 0.05	< 0.05	< 0.05
TRH C15-C28 Fraction by GC	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C29-C36 Fraction by GC	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
Monocyclic Aromatic Hydrocarbons						
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Xylenes(ortho.meta and para)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorobenzene (surr.)	1	%	91	83	87	84
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(b)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(g,h,i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Indeno(1,2,3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Total PAH	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene-d12 (surr.)	1	%	101	121	98	106
2-Fluorobiphenyl (surr.)	1	%	97	107	86	97

COMMENTS:

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ERM	Client Sample ID		RO1	RO2	RO3	RO4
Level 1, 60 Leichhardt street	Lab Number		08-Oc08641	08-Oc08642	08-Oc08643	08-Oc08644
Spring Hill	Matrix		Water	Water	Water	Water
QLD 4004	Sample Date		Oct 14, 2008	Oct 14, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2-Methylphenol (o-Cresol)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2-Nitrophenol	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2,4-Dichlorophenol	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2,4-Dimethylphenol	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2,4,6-Trichlorophenol	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2,6-Dichlorophenol	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
3&4-Methylphenol (m&p-Cresol)	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
4-Chloro-3-methylphenol	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Pentachlorophenol	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Phenol	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Phenol-d6 (surr.)	1	%	86	96	80	76
Heavy Metals						
Lead	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001

COMMENTS:

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ERM

Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		TB01	TB02
	Lab Number		08-Oc08645	08-Oc08646
	Matrix		Water	Water
	Sample Date		Oct 15, 2008	Oct 15, 2008
Analysis Type	LOR	Units		
Total Recoverable Hydrocarbons				
TRH C6-C9 Fraction by GC	0.02	mg/L	< 0.02	< 0.02
Monocyclic Aromatic Hydrocarbons				
Benzene	0.001	mg/L	< 0.001	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001
Xylenes(ortho.meta and para)	0.001	mg/L	< 0.001	< 0.001
Fluorobenzene (surr.)	1	%	82	85

COMMENTS:

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Client Sample ID	SB1_0.1-0.2	SB1_0.1-0.2	RPD	SPIKE
Lab Number	08-Oc08574	08-Oc08574	08-Oc08574	08-Oc08574
QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
Matrix	Soil	Soil	Soil	Soil
Sample Date	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Units			% RPD	% Recovery
	-	-	< 1	84
	< 50	< 50	< 1	74
	< 100	< 100	< 1	-
	< 100	< 100	< 1	-
	< 0.05	< 0.05	< 1	86
	< 0.05	< 0.05	< 1	77
	< 0.05	< 0.05	< 1	75
	< 0.05	< 0.05	< 1	76
	9.8	12	17	99

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ERM	Client Sample ID	RPD	SPIKE	LCS	Method blank
Level 1, 60 Leichhardt street	Lab Number	Batch	Batch	Batch	Batch
Spring Hill	QA Description		Spike % Recovery	% Recovery	
QLD 4004	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	Units		% Recovery	% Recovery	mg/L
Organochlorine Pesticides					
4,4'-DDD		< 1	128	75	< 0.005
4,4'-DDE		< 1	108	79	< 0.005
4,4'-DDT		< 1	98	75	< 0.005
a-BHC		< 1	118	74	< 0.005
Aldrin		< 1	115	74	< 0.005
b-BHC		< 1	105	71	< 0.005
Chlordane		< 1	71	-	< 0.01
d-BHC		< 1	117	77	< 0.005
Dieldrin		< 1	118	70	< 0.005
Endosulfan I		< 1	108	86	< 0.005
Endosulfan II		< 1	121	71	< 0.005
Endosulfan sulphate		< 1	112	72	< 0.005
Endrin		< 1	122	70	< 0.005
Endrin aldehyde		< 1	113	72	< 0.005
Endrin ketone		< 1	103	77	< 0.005
g-BHC (Lindane)		< 1	125	75	< 0.005
Heptachlor		< 1	116	89	< 0.005
Heptachlor epoxide		< 1	110	88	< 0.005
Hexachlorobenzene		< 1	128	86	< 0.005
Methoxychlor		< 1	95	94	< 0.005
Toxophene		< 1	89	-	< 0.01
Polychlorinated Biphenyls					
Aroclor-1016		< 1	-	-	< 0.1
Aroclor-1221		< 1	-	-	< 0.1
Aroclor-1232		< 1	-	-	< 0.1
Aroclor-1242		< 1	-	-	< 0.1
Aroclor-1248		< 1	-	-	< 0.1
Aroclor-1254		< 1	-	-	< 0.1

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample	RPD	SPIKE	LCS	Method blank
	Lab Number	Batch	Batch	Batch	Batch
	QA Description		Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	Units		% Recovery	% Recovery	mg/L
Polychlorinated Biphenyls					
Aroclor-1260		< 1	105	-	< 0.1
Total PCB		< 1	105	83	< 1
Tetrachloro-m-xylene (surr.)		-	104	106	118
Organophosphorous Pesticides					
Chlorpyrifos		< 1	-	-	< 0.002
Chlorpyrifos Methyl*		< 1	-	-	< 0.002
Diazinon		< 1	92	77	< 0.002
Dimethoate		< 1	96	105	< 0.002
Ethion		< 1	102	102	< 0.002
Fenitrothion		< 1	76	114	< 0.002
Fenthion		< 1	-	-	< 0.002
Malathion		< 1	-	-	< 0.002
Methyl azinphos		< 1	-	-	< 0.002
Methyl parathion		< 1	103	120	< 0.002
Ronnel		< 1	-	-	< 0.002

COMMENTS:

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ERM	Client Sample ID	SB2_1.0-1.1	SB2_1.0-1.1	RPD	SPIKE
Level 1, 60 Leichhardt street	Lab Number	08-Oc08584	08-Oc08584	08-Oc08584	08-Oc08584
Spring Hill	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
QLD 4004	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	Units			% RPD	% Recovery
Total Recoverable Hydrocarbons					
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	81
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	-
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-
Monocyclic Aromatic Hydrocarbons					
Benzene		< 0.05	< 0.05	< 1	79
Toluene		< 0.05	< 0.05	< 1	75
Ethylbenzene		< 0.05	< 0.05	< 1	78
Xylenes(ortho.meta and para)		< 0.05	< 0.05	< 1	75
Polycyclic Aromatic Hydrocarbons					
Acenaphthene		< 0.1	< 0.1	< 1	93
Acenaphthylene		< 0.1	< 0.1	< 1	74
Anthracene		< 0.1	< 0.1	< 1	75
Benz(a)anthracene		< 0.1	< 0.1	< 1	101
Benzo(a)pyrene		< 0.1	< 0.1	< 1	81
Benzo(b)fluoranthene		< 0.1	< 0.1	< 1	74
Benzo(g,h,i)perylene		< 0.1	< 0.1	< 1	82
Benzo(k)fluoranthene		< 0.1	< 0.1	< 1	97
Chrysene		< 0.1	< 0.1	< 1	109
Dibenz(a,h)anthracene		< 0.1	< 0.1	< 1	78
Fluoranthene		< 0.1	< 0.1	< 1	87
Fluorene		< 0.1	< 0.1	< 1	93
Indeno(1,2,3-cd)pyrene		< 0.1	< 0.1	< 1	86
Naphthalene		< 0.1	< 0.1	< 1	-
Phenanthrene		< 0.1	< 0.1	< 1	78
Pyrene		< 0.1	< 0.1	< 1	96
Phenols					
2-Chlorophenol		< 0.1	< 0.1	< 1	94
2-Methylphenol (o-Cresol)		< 0.1	< 0.1	< 1	110

COMMENTS: * Non NATA Endorsed analysis

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample	SB2 1.0-1.1	SB2 1.0-1.1	RPD	SPIKE
	Lab Number	08-Oc08584	08-Oc08584	08-Oc08584	08-Oc08584
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008	Oct 14, 2008
Analysis Type	Units			% RPD	% Recovery
Phenols					
2-Nitrophenol		< 0.5	< 0.5	< 1	-
2,4-Dichlorophenol		< 0.1	< 0.1	< 1	90
2,4-Dimethylphenol		< 0.1	< 0.1	< 1	99
2,4,6-Trichlorophenol		< 0.1	< 0.1	< 1	86
2,6-Dichlorophenol		< 0.1	< 0.1	< 1	88
3&4-Methylphenol (m&p-Cresol)		< 0.2	< 0.2	< 1	114
4-Chloro-3-methylphenol		< 0.1	< 0.1	< 1	90
Pentachlorophenol		< 0.5	< 0.5	< 1	81
Phenol		< 0.1	< 0.1	< 1	117
Heavy Metals					
Lead		13	14	4.3	82
<div>Published under the RTI Act 2009</div>					

COMMENTS:

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ERM	Client Sample ID	SB3_3.0-3.1	SB3_3.0-3.1	RPD	SPIKE
Level 1, 60 Leichhardt street	Lab Number	08-Oc08594	08-Oc08594	08-Oc08594	08-Oc08594
Spring Hill	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
QLD 4004	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Units			% RPD	% Recovery
Total Recoverable Hydrocarbons					
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	85
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	-
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-
Monocyclic Aromatic Hydrocarbons					
Benzene		< 0.05	< 0.05	< 1	82
Toluene		< 0.05	< 0.05	< 1	88
Ethylbenzene		< 0.05	< 0.05	< 1	90
Xylenes(ortho.meta and para)		< 0.05	< 0.05	< 1	92
Polycyclic Aromatic Hydrocarbons					
Acenaphthene		< 0.1	< 0.1	< 1	110
Acenaphthylene		< 0.1	< 0.1	< 1	74
Anthracene		< 0.1	< 0.1	< 1	99
Benz(a)anthracene		< 0.1	< 0.1	< 1	109
Benzo(a)pyrene		< 0.1	< 0.1	< 1	111
Benzo(b)fluoranthene		< 0.1	< 0.1	< 1	111
Benzo(g,h,i)perylene		< 0.1	< 0.1	< 1	111
Benzo(k)fluoranthene		< 0.1	< 0.1	< 1	120
Chrysene		< 0.1	< 0.1	< 1	121
Dibenz(a,h)anthracene		< 0.1	< 0.1	< 1	94
Fluoranthene		< 0.1	< 0.1	< 1	97
Fluorene		< 0.1	< 0.1	< 1	118
Indeno(1,2,3-cd)pyrene		< 0.1	< 0.1	< 1	103
Naphthalene		< 0.1	< 0.1	< 1	-
Phenanthrene		< 0.1	< 0.1	< 1	107
Pyrene		< 0.1	< 0.1	< 1	112
Phenols					
2-Chlorophenol		< 0.1	< 0.1	< 1	83
2-Methylphenol (o-Cresol)		< 0.1	< 0.1	< 1	106

COMMENTS:

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ERM
 Level 1, 60 Leichhardt street
 Spring Hill
 QLD 4004

Client Sample	SB3 3.0-3.1	SB3 3.0-3.1	RPD	SPIKE
Lab Number	08-Oc08594	08-Oc08594	08-Oc08594	08-Oc08594
QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
Matrix	Soil	Soil	Soil	Soil
Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Units		% RPD	% Recovery
Phenols				
2-Nitrophenol	< 0.5	< 0.5	< 1	-
2,4-Dichlorophenol	< 0.1	< 0.1	< 1	77
2,4-Dimethylphenol	< 0.1	< 0.1	< 1	105
2,4,6-Trichlorophenol	< 0.1	< 0.1	< 1	96
2,6-Dichlorophenol	< 0.1	< 0.1	< 1	98
3&4-Methylphenol (m&p-Cresol)	< 0.2	< 0.2	< 1	116
4-Chloro-3-methylphenol	< 0.1	< 0.1	< 1	102
Pentachlorophenol	< 0.5	< 0.5	< 1	-
Phenol	< 0.1	< 0.1	< 1	120
Heavy Metals				
Lead	5.1	< 5	< 1	88

COMMENTS:

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ERM	Client Sample ID	SB4_5.0-5.1	SB4_5.0-5.1	RPD	SPIKE
Level 1, 60 Leichhardt street	Lab Number	08-Oc08604	08-Oc08604	08-Oc08604	08-Oc08604
Spring Hill	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
QLD 4004	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Units			% RPD	% Recovery
Total Recoverable Hydrocarbons					
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	88
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	-
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-
Monocyclic Aromatic Hydrocarbons					
Benzene		< 0.05	< 0.05	< 1	81
Toluene		< 0.05	< 0.05	< 1	112
Ethylbenzene		< 0.05	< 0.05	< 1	119
Xylenes(ortho.meta and para)		< 0.05	< 0.05	< 1	117
Polycyclic Aromatic Hydrocarbons					
Acenaphthene		< 0.1	< 0.1	< 1	102
Acenaphthylene		< 0.1	< 0.1	< 1	89
Anthracene		< 0.1	< 0.1	< 1	94
Benz(a)anthracene		< 0.1	< 0.1	< 1	81
Benzo(a)pyrene		< 0.1	< 0.1	< 1	96
Benzo(b)fluoranthene		< 0.1	< 0.1	< 1	97
Benzo(g,h,i)perylene		< 0.1	< 0.1	< 1	79
Benzo(k)fluoranthene		< 0.1	< 0.1	< 1	83
Chrysene		< 0.1	< 0.1	< 1	102
Dibenz(a,h)anthracene		< 0.1	< 0.1	< 1	96
Fluoranthene		< 0.1	< 0.1	< 1	124
Fluorene		< 0.1	< 0.1	< 1	97
Indeno(1,2,3-cd)pyrene		< 0.1	< 0.1	< 1	83
Naphthalene		< 0.1	< 0.1	< 1	80
Phenanthrene		< 0.1	< 0.1	< 1	99
Pyrene		< 0.1	< 0.1	< 1	129
Phenols					
2-Chlorophenol		< 0.1	< 0.1	< 1	91
2-Methylphenol (o-Cresol)		< 0.1	< 0.1	< 1	93

COMMENTS:

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 Page 54 of 62

ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample	SB4 5.0-5.1	SB4 5.0-5.1	RPD	SPIKE
	Lab Number	08-Oc08604	08-Oc08604	08-Oc08604	08-Oc08604
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
	Units			% RPD	% Recovery
Analysis Type	Phenols				
2-Nitrophenol		< 0.5	< 0.5	< 1	83
2,4-Dichlorophenol		< 0.1	< 0.1	< 1	88
2,4-Dimethylphenol		< 0.1	< 0.1	< 1	105
2,4,6-Trichlorophenol		< 0.1	< 0.1	< 1	95
2,6-Dichlorophenol		< 0.1	< 0.1	< 1	104
3&4-Methylphenol (m&p-Cresol)		< 0.2	< 0.2	< 1	101
4-Chloro-3-methylphenol		< 0.1	< 0.1	< 1	92
Pentachlorophenol		< 0.5	< 0.5	< 1	-
Phenol		< 0.1	< 0.1	< 1	99
Heavy Metals					
Lead		5.8	< 5	< 1	89
<div>Published on 2009-10-29</div> <div>Disclosed under RTI Act 2009</div>					

COMMENTS:

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ERM	Client Sample ID	SB5_6.0-6.1	SB5_6.0-6.1	RPD	SPIKE
Level 1, 60 Leichhardt street	Lab Number	08-Oc08614	08-Oc08614	08-Oc08614	08-Oc08614
Spring Hill	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
QLD 4004	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Units			% RPD	% Recovery
Total Recoverable Hydrocarbons					
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	90
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	-
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-
Monocyclic Aromatic Hydrocarbons					
Benzene		< 0.05	< 0.05	< 1	88
Toluene		< 0.05	< 0.05	< 1	80
Ethylbenzene		< 0.05	< 0.05	< 1	83
Xylenes(ortho.meta and para)		< 0.05	< 0.05	< 1	86
Polycyclic Aromatic Hydrocarbons					
Acenaphthene		< 0.1	< 0.1	< 1	115
Acenaphthylene		< 0.1	< 0.1	< 1	104
Anthracene		< 0.1	< 0.1	< 1	126
Benz(a)anthracene		< 0.1	< 0.1	< 1	116
Benzo(a)pyrene		< 0.1	< 0.1	< 1	124
Benzo(b)fluoranthene		< 0.1	< 0.1	< 1	123
Benzo(g,h,i)perylene		< 0.1	< 0.1	< 1	96
Benzo(k)fluoranthene		< 0.1	< 0.1	< 1	130
Chrysene		< 0.1	< 0.1	< 1	121
Dibenz(a,h)anthracene		< 0.1	< 0.1	< 1	72
Fluoranthene		< 0.1	< 0.1	< 1	111
Fluorene		< 0.1	< 0.1	< 1	130
Indeno(1.2.3-cd)pyrene		< 0.1	< 0.1	< 1	103
Naphthalene		< 0.1	< 0.1	< 1	71
Phenanthrene		< 0.1	< 0.1	< 1	124
Pyrene		< 0.1	< 0.1	< 1	123
Phenols					
2-Chlorophenol		< 0.1	< 0.1	< 1	122
2-Methylphenol (o-Cresol)		< 0.1	< 0.1	< 1	122

COMMENTS:

MGT Report No. 235919
 Page 56 of 62

ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample	SB5 6.0-6.1	SB5 6.0-6.1	RPD	SPIKE
	Lab Number	08-Oc08614	08-Oc08614	08-Oc08614	08-Oc08614
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Units			% RPD	% Recovery
Phenols					
2-Nitrophenol		< 0.5	< 0.5	< 1	79
2,4-Dichlorophenol		< 0.1	< 0.1	< 1	103
2,4-Dimethylphenol		< 0.1	< 0.1	< 1	128
2,4,6-Trichlorophenol		< 0.1	< 0.1	< 1	96
2,6-Dichlorophenol		< 0.1	< 0.1	< 1	127
3&4-Methylphenol (m&p-Cresol)		< 0.2	< 0.2	< 1	125
4-Chloro-3-methylphenol		< 0.1	< 0.1	< 1	109
Pentachlorophenol		< 0.5	< 0.5	< 1	-
Phenol		< 0.1	< 0.1	< 1	120
Heavy Metals					
Lead		6.3	7.5	19	84

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	SB6_0.5-0.6	SB6_0.5-0.6	RPD	SPIKE	Method blank
	Lab Number	08-Oc08617	08-Oc08617	08-Oc08617	08-Oc08617	Batch
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Units			% RPD	% Recovery	mg/L
Total Organic Carbon		2400	2500	3.0	-	< 10
<div>Published on 15/05/2009</div> <div>Disclosure Log</div> <div>RTI Act 2009</div>						

COMMENTS:

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ERM	Client Sample ID	DO4	DO4	RPD	SPIKE
Level 1, 60 Leichhardt street Spring Hill	Lab Number	08-Oc08624	08-Oc08624	08-Oc08624	08-Oc08624
QLD 4004	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Units			% RPD	% Recovery
Total Recoverable Hydrocarbons					
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	87
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	-
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-
Monocyclic Aromatic Hydrocarbons					
Benzene		< 0.05	< 0.05	< 1	-
Toluene		< 0.05	< 0.05	< 1	-
Ethylbenzene		< 0.05	< 0.05	< 1	-
Xylenes(ortho.meta and para)		< 0.05	< 0.05	< 1	-
Polycyclic Aromatic Hydrocarbons					
Acenaphthene		< 0.1	< 0.1	< 1	100
Acenaphthylene		< 0.1	< 0.1	< 1	83
Anthracene		< 0.1	< 0.1	< 1	100
Benz(a)anthracene		< 0.1	< 0.1	< 1	111
Benzo(a)pyrene		< 0.1	< 0.1	< 1	94
Benzo(b)fluoranthene		< 0.1	< 0.1	< 1	102
Benzo(g,h,i)perylene		< 0.1	< 0.1	< 1	126
Benzo(k)fluoranthene		< 0.1	< 0.1	< 1	128
Chrysene		< 0.1	< 0.1	< 1	128
Dibenz(a,h)anthracene		< 0.1	< 0.1	< 1	111
Fluoranthene		< 0.1	< 0.1	< 1	121
Fluorene		< 0.1	< 0.1	< 1	111
Indeno(1,2,3-cd)pyrene		< 0.1	< 0.1	< 1	116
Naphthalene		< 0.1	< 0.1	< 1	88
Phenanthrene		< 0.1	< 0.1	< 1	106
Pyrene		< 0.1	< 0.1	< 1	123
Phenols					
2-Chlorophenol		< 0.1	< 0.1	< 1	104
2-Methylphenol (o-Cresol)		< 0.1	< 0.1	< 1	118

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample	DO4	DO4	RPD	SPIKE
	Lab Number	08-Oc08624	08-Oc08624	08-Oc08624	08-Oc08624
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
	Matrix	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Units			% RPD	% Recovery
Phenols					
2-Nitrophenol		< 0.5	< 0.5	< 1	-
2,4-Dichlorophenol		< 0.1	< 0.1	< 1	97
2,4-Dimethylphenol		< 0.1	< 0.1	< 1	118
2,4,6-Trichlorophenol		< 0.1	< 0.1	< 1	82
2,6-Dichlorophenol		< 0.1	< 0.1	< 1	108
3&4-Methylphenol (m&p-Cresol)		< 0.2	< 0.2	< 1	113
4-Chloro-3-methylphenol		< 0.1	< 0.1	< 1	111
Pentachlorophenol		< 0.5	< 0.5	< 1	-
Phenol		< 0.1	< 0.1	< 1	114
Heavy Metals					
Lead		7.8	6.3	20	79

COMMENTS:

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ERM	Client Sample ID	SB8_0.1-0.2	SB8_0.1-0.2	RPD	SPIKE	LCS	Method blank
Level 1, 60 Leichhardt street Spring Hill	Lab Number	08-Oc08634	08-Oc08634	08-Oc08634	08-Oc08634	Batch	Batch
QLD 4004	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Soil	Soil	Soil	Soil	Soil	Soil
	Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Total Recoverable Hydrocarbons							
TRH C10-C14 Fraction by GC		< 50	< 50	< 1	81	87	< 0.05
TRH C15-C28 Fraction by GC		< 100	< 100	< 1	-	-	< 0.1
TRH C29-C36 Fraction by GC		< 100	< 100	< 1	-	-	< 0.1
Monocyclic Aromatic Hydrocarbons							
Benzene		< 0.05	< 0.05	< 1	77	76	< 0.005
Toluene		< 0.05	< 0.05	< 1	111	81	< 0.005
Ethylbenzene		< 0.05	< 0.05	< 1	114	80	< 0.005
Xylenes(ortho.meta and para)		< 0.05	< 0.05	< 1	93	83	< 0.005
Polycyclic Aromatic Hydrocarbons							
Acenaphthene		< 0.1	< 0.1	< 1	-	112	< 0.02
Acenaphthylene		< 0.1	< 0.1	< 1	-	102	< 0.02
Anthracene		< 0.1	< 0.1	< 1	-	99	< 0.02
Benz(a)anthracene		< 0.1	< 0.1	< 1	-	100	< 0.02
Benzo(a)pyrene		< 0.1	< 0.1	< 1	-	96	< 0.02
Benzo(b)fluoranthene		< 0.1	< 0.1	< 1	-	108	< 0.02
Benzo(g,h,i)perylene		< 0.1	< 0.1	< 1	-	106	< 0.02
Benzo(k)fluoranthene		< 0.1	< 0.1	< 1	-	119	< 0.02
Chrysene		< 0.1	< 0.1	< 1	-	100	< 0.02
Dibenz(a,h)anthracene		< 0.1	< 0.1	< 1	-	95	< 0.02
Fluoranthene		< 0.1	< 0.1	< 1	-	115	< 0.02
Fluorene		< 0.1	< 0.1	< 1	-	114	< 0.02
Indeno(1,2,3-cd)pyrene		< 0.1	< 0.1	< 1	-	95	< 0.02
Naphthalene		< 0.1	< 0.1	< 1	-	107	< 0.02
Phenanthrene		< 0.1	< 0.1	< 1	-	114	< 0.02
Pyrene		< 0.1	< 0.1	< 1	-	117	< 0.02
Phenols							
2-Chlorophenol		< 0.1	< 0.1	< 1	-	113	< 0.01
2-Methylphenol (o-Cresol)		< 0.1	< 0.1	< 1	-	114	< 0.01

COMMENTS:

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ERM
 Level 1, 60 Leichhardt street
 Spring Hill
 QLD 4004

Client Sample	SB8 0.1-0.2	SB8 0.1-0.2	RPD	SPIKE	LCS	Method blank
Lab Number	08-Oc08634	08-Oc08634	08-Oc08634	08-Oc08634	Batch	Batch
QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
Matrix	Soil	Soil	Soil	Soil	Soil	Soil
Sample Date	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008	Oct 15, 2008
Analysis Type	Units		% RPD	% Recovery	% Recovery	mg/L
Phenols						
2-Nitrophenol	< 0.5	< 0.5	< 1	-	79	< 0.05
2,4-Dichlorophenol	< 0.1	< 0.1	< 1	-	97	< 0.01
2,4-Dimethylphenol	< 0.1	< 0.1	< 1	-	106	< 0.01
2,4,6-Trichlorophenol	< 0.1	< 0.1	< 1	-	98	< 0.01
2,6-Dichlorophenol	< 0.1	< 0.1	< 1	-	105	< 0.01
3&4-Methylphenol (m&p-Cresol)	< 0.2	< 0.2	< 1	-	116	< 0.02
4-Chloro-3-methylphenol	< 0.1	< 0.1	< 1	-	103	< 0.01
Pentachlorophenol	< 0.5	< 0.5	< 1	-	-	< 0.1
Phenol	< 0.1	< 0.1	< 1	-	122	< 0.01
Heavy Metals						
Lead	5.2	< 5	< 1	81	107	< 0.05

COMMENTS:

MGT Report No. 235919
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Sample Receipt Advice

Company name: ERM-Queensland
Contact name: sch4p4(6) Personal informati
Client job number: QUILPIE 0081610
COC number: A1479-80
Turn around time: Five day
Date received: Oct 23, 2008
MGT lab reference: 235915

Sample information

- ☒ All samples have been received as described on the above COC.
- ☒ COC has been completed correctly.
- ☒ All samples were provided chilled.
- ☒ Appropriately preserved sample containers have been used.
- ☒ All samples were received in good condition.
- ☒ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.

Contact notes

If you have any questions with respect to these samples please contact:

sch4p4(6) Personal in

on the above number or by e.mail

sch4p4(6) Personal information

Results will be delivered electronically via e.mail to sch4p4(6) Personal information
sch4p4(6) Personal information

mgt Sample Receipt

Shell GESS Chain of Custody



ERM

- ☐ Sydney
- ☐ Melbourne
- ☐ Brisbane
- ☐ Perth
- ☐ Hunter Valley
- ☐ North Coast
- ☐ New Zealand
- ☐ Other

Grnd Floor, 33 Saunders Street, Pyrmont, NSW, 2009. (ph) 02 8584 8888 (fax) 02 8584 8800
 Level 3, Yarra Tower, WTC, 18-38 Siddetey Street, Docklands, VIC, 3005. (ph) 03 9696 8011 (fax) 03 9696 8022
 Level 1, 60 Leichhardt Street, Spring Hill, QLD, 4004. (ph) 07 3839 8393 (fax) 07 3839 8381
 PO Box 7338, Cloisters Square, WA, 6850. (ph) 08 9321 5200 (fax) 08 9321 5262
 53 Bonville Avenue, Thornton, NSW, 2322. (ph) 02 4964 2150 (fax) 02 4964 2152
 Suite 3/146 Gordon Street, Port Macquarie, NSW, 2444. (ph) 02 6584 7155 (fax) 02 6584 7160
 PO Box 106234, Auckland City 1143. (ph) +64 9303 4664 (fax) +64 9303 3254

Project No: 0081610

Project Name: Quilpie

Project Location: Quilpie

Project Manager: sch4p4(6) Personal information

Sampler: sch4p4(6) Personal information

UCC Number

A 1479

Laboratory

MGT

General Analysis Requirements

1. Turn Around Time (please tick: ☐ 1 Day ☐ 2 Days ☒ Normal TAT)

2. Laboratory to filter samples?

Shell Network ID Number	Sample ID	Sample Date	Sample Time	Matrix			Preservation				Containers (number/type)	Type I	Type II	Type III	Type IV	Type V	Type VI	Type VII	Type VIII	Grain Size	Frac. Org	TPH Spec	TCLP An	BTEX	TPH C ₁₀	Alkalinity	CO ₂	Methane	Manganese	Asbestos		
				Sol	Water	Other	Ice	Acid	Filter	Other																						
A632	SB01_0.2-1.0																															
A632	MW01																															
CCM104Q	CCM104Q-MW18	21/10			✓	✓				4	✓	✓			✓	23/10																
	CCM104Q-MW21																															
	CCM104Q-MW16																															
	CCM104Q-MW15															✓	23/10															
	CCM104Q-MW14																															
	CCM104Q-MW30															✓	23/10															
	CCM104Q-MW29																															
	CCM104Q-MW27																															
	CCM104Q-MW26																															
	CCM104Q-MW24																															
	CCM104Q-MW9																															
	CCM104Q-MW7																															
	CCM104Q-MW11																															
	CCM104Q-MW22																															
	CCM104Q-MW28																															
	CCM104Q-MW4																															
	CCM104Q-MWSA	✓																														
	R201008-1	20/10			✓	✓				✓	✓	✓																				
																																Rep # 230

Comments: Mail results to Project Manager and to au.projectgess@erm.com

Use Shell GESS contract pricing.

sch4p4(6) Personal information

☒ Ship via MGT Courier (TNT Account # 20744136)

☐ Other Shipment method ()

Relinquished by: sch4p4(6) Personal information

Signed:

Date/Time:

22/10/08 1200

Received by:

sch4p4(6) Personal information

Date/Time: 23/10/08

Relinquished by:

Signed:

Date/Time:

Received by:

sch4p4(6) Personal information

Date/Time:



ERM

- ☐ Sydney
☐ Melbourne
☐ Brisbane
☐ Perth
☐ Hunter Valley
☐ North Coast
☐ New Zealand
☐ Other

Grnd Floor, 33 Saunders Street, Pyrmont, NSW, 2009. (ph) 02 8584 8888 (fax) 02 8584 8800
 Level 3, Yarra Tower, WTC, 18-38 Sidddeley Street, Docklands, VIC, 3005. (ph) 03 9696 8011 (fax) 03 9696 8022
 Level 1, 60 Leichhardt Street, Spring Hill, QLD, 4004. (ph) 07 3839 8393 (fax) 07 3839 8381
 PO Box 7338, Cloisters Square, WA, 6850. (ph) 08 9321 5200 (fax) 08 9321 5262
 53 Bonville Avenue, Thornton, NSW, 2322. (ph) 02 4964 2150 (fax) 02 4964 2152
 Suite 3/146 Gordon Street, Port Macquarie, NSW, 2444. (ph) 02 6584 7155 (fax) 02 6584 7160
 PO Box 106234, Auckland City 1143. (ph) +64 9303 4664 (fax) +64 9303 3254

Project No: 0081610

Project Name: Quilpie

Project Location: Quilpie

Project Manager: sch4p4(6) Personal information

Sampler: sch4p4(6) Personal information

COC Number

A 1480

Laboratory

MGT

General Analysis Requirements

1. Turn Around Time (please tick: ☐ 1 Day ☐ 2 Days ☒ Normal TAT)2. Laboratory to filter samples? ☒

Yes (tick)

Shell Network ID Number	Sample ID	Sample Date	Sample Time	Matrix			Preservation				Containers (number/type)	Type I	Type II	Type III	Type IV	Type V	Type VI	Type VII	Type VIII	Grain Size	Frac. Organic	TPH Spec	TCLP Anal	BTEX	TPH C ₁₀	Alkalinity	CO ₂	Methane	Manganese	Asbestos		limits etc)
				Soil	Water	Other	Ice	Acid	Filter	Other																						
A632	SB01_0.2-1.0																															
A632	MW01																															
CCM104Q	SB01_0.2-1.0 R201008-2	20/10			✓		✓				✓	✓																				
	R211008-1																															
	R211008-2																															
	D211008-1																															
	D211008-2																															
	D211008-3											✓	✓																			
	TB211008-1																							✓	✓							
	TB211008-2																						✓	✓								
	TB211008-3	✓			✓		✓																✓	✓								

Comments: Mail results to Project Manager and to au.projectgess@erm.com

Use Shell GESS contract pricing.

Relinquished by: sch4p4(6) Personal information

Signed:

sch4p4(6) Personal information

Date/Time:

22/10/08

Received by:

☒ Ship via MGT Courier (TNT Account # 20744136)☐ Other Shipment method ()

sch4p4(6) Personal information

Date/Time:

Relinquished by:

Signed:

Date/Time:

Received by:

Date/Time:

HOLDING TIME AND EXTRACTION DATE REPORT

ERM
Level 1, 60 Leichhardt street
Spring Hill
QLD 4004
Site: QUILPIE 0081610

Report Number: 235915-Q1 Page 1 of 8
Order Number:
Date Received: Oct 23, 2008 12:00
Date Sampled: Oct 20, 2008 12:00
Date of Analysis Report: Nov 07, 2008
Date of this Report: Nov 07, 2008

Methods

- USEPA 8270C Phenols
- USEPA 8270C Polycyclic Aromatic Hydrocarbons
- USEPA 8260B - MGT 350A Monocyclic Aromatic Hydrocarbons
- MGT100A-GC (based on USEPA8015)Total Recoverable Hydrocarbons
- USEPA 6020 Heavy Metals & USEPA 7470/71 Mercury
- HRAF -MGT100A GC/FID
- APHA 2510 Conductivity by Direct Measurement

Comments

Notes

Report Number: 235915-Q1

ERM	Client Sample ID	CCM104Q-MW18	CCM104Q-MW21	CCM104Q-MW16	CCM104Q-MW15
Level 1, 60 Leichhardt street	Lab Number	08-Oc08471	08-Oc08472	08-Oc08473	08-Oc08474
Spring Hill	Matrix	Water	Water	Water	Water
QLD 4004	Sample Date	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
Phenols	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
Type V - Shell	1 Day	Oct 23, 2008	-	-	Oct 23, 2008
Lead	1 Month	Oct 23, 2008	Oct 23, 2008	Oct 23, 2008	Oct 23, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	CCM104Q-MW14	CCM104Q-MW30	CCM104Q-MW29	CCM104Q-MW27
	Lab Number	08-Oc08475	08-Oc08476	08-Oc08477	08-Oc08478
	Matrix	Water	Water	Water	Water
	Sample Date	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
HRAF	28 Days	-	-	Oct 24, 2008	
Total Recoverable Hydrocarbons	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
Phenols	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
Type V - Shell	1 Day	-	Oct 23, 2008		
Lead	1 Month	Oct 23, 2008	Oct 23, 2008	Oct 23, 2008	Oct 23, 2008

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ERM	Client Sample ID	CCM104Q-MW28	CCM104Q-MW4	CCM104Q-MW5A	R201008-1
Level 1, 60 Leichhardt street	Lab Number	08-Oc08479	08-Oc08480	08-Oc08481	08-Oc08482
Spring Hill	Matrix	Water	Water	Water	Water
QLD 4004	Sample Date	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 20, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
HRAF	28 Days	Oct 24, 2008			
Total Recoverable Hydrocarbons	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
Phenols	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
Lead	1 Month	Oct 23, 2008	Oct 23, 2008	Oct 23, 2008	Oct 23, 2008

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 Disclosure
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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	R201008-2	R211008-1	R211008-2	D211008-1
	Lab Number	08-Oc08483	08-Oc08484	08-Oc08485	08-Oc08486
	Matrix	Water	Water	Water	Water
	Sample Date	Oct 20, 2008	Oct 20, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
Phenols	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
Lead	1 Month	Oct 23, 2008	Oct 23, 2008	Oct 23, 2008	Oct 23, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	TB211008-1	TB211008-2	CCM104Q-MW26	CCM104Q-MW24
	Lab Number	08-Oc08487	08-Oc08488	08-Oc08942	08-Oc08943
	Matrix	Water	Water	Water	Water
	Sample Date	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	-	-	Oct 27, 2008	Oct 27, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	-	-	Oct 27, 2008	Oct 27, 2008
Phenols	28 Days	-	-	Oct 27, 2008	Oct 27, 2008
Lead	1 Month	-	-	Oct 23, 2008	Oct 23, 2008

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	CCM104Q-MW9	CCM104Q-MW7	CCM104Q-MW11	CCM104Q-MW22
	Lab Number	08-Oc08944	08-Oc08945	08-Oc08946	08-Oc08947
	Matrix	Water	Water	Water	Water
	Sample Date	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date	Extraction date
HRAF	28 Days	-	-	Oct 24, 2008	
Total Recoverable Hydrocarbons	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
Phenols	28 Days	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008	Oct 27, 2008
Lead	1 Month	Oct 23, 2008	Oct 23, 2008	Oct 23, 2008	Oct 23, 2008

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 Disclosure
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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	D211008-2	D211008-3	TB211008-3
	Lab Number	08-Oc08949	08-Oc08950	08-Oc08951
	Matrix	Water	Water	Water
	Sample Date	Oct 20, 2008	Oct 20, 2008	Oct 20, 2008
Analysis Type	Holding time	Extraction date	Extraction date	Extraction date
Total Recoverable Hydrocarbons	28 Days	Oct 27, 2008	Oct 27, 2008	
TRH C6-C9 Fraction by GC	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Monocyclic Aromatic Hydrocarbons	14 Days	Oct 24, 2008	Oct 24, 2008	Oct 24, 2008
Polycyclic Aromatic Hydrocarbons	28 Days	Oct 27, 2008	Oct 27, 2008	
Phenols	28 Days	Oct 27, 2008	Oct 27, 2008	
Lead	1 Month	Oct 23, 2008	Oct 23, 2008	

Published on 10/23/2009
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CERTIFICATE OF ANALYSIS

ERM
Level 1, 60 Leichhardt street
Spring Hill
QLD 4004
Site: QUILPIE 0081610

Report Number: 235915 Page 1 of 22
Order Number:
Date Received: Oct 23, 2008
Date Sampled: Oct 20, 2008
Date Reported: Nov 7, 2008
Contact: sch4p4(6) Personal info

Methods

- USEPA 8270C Phenols
- USEPA 8270C Polycyclic Aromatic Hydrocarbons
- USEPA 8260B - MGT 350A Monocyclic Aromatic Hydrocarbons
- MGT100A-GC (based on USEPA8015)Total Recoverable Hydrocarbons
- USEPA 6020 Heavy Metals & USEPA 7470/71 Mercury
- HRAF -MGT100A GC/FID
- APHA 2510 Conductivity by Direct Measurement

Comments

Notes

1. The results in this report supersede any previously corresponded results.
2. All Soil Results are reported on a dry basis.
3. Samples are analysed on an as received basis.
4. LOR's are matrix dependent. Stated LOR's may be raised where sample extracts are diluted due to interferences.

ABBREVIATIONS

mg/kg : milligrams per kilograms, mg/L : milligrams per litre, ppm : parts per million,

LOR : Limit of Reporting

RPD : Relative Percent Difference

CRM : Certified Reference Material

LCS : Laboratory Control Sample

Authorised

Report Number: 235915

sch4p4(6) Personal information

Laboratory Manager
NATA Signatory

Chief Organic Chemist
NATA Signatory

Chief Inorganic Chemist



NATA Accredited
Laboratory Number 1261

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21-07-08

File B



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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q-MW18	CCM104Q-MW21	CCM104Q-MW16	CCM104Q-MW15
	Lab Number		08-Oc08471	08-Oc08472	08-Oc08473	08-Oc08474
	Matrix		Water	Water	Water	Water
	Sample Date		Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH C10-C14 Fraction by GC	0.05	mg/L	< 0.05	< 0.05	< 0.05	< 0.05
TRH C15-C28 Fraction by GC	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C29-C36 Fraction by GC	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
Monocyclic Aromatic Hydrocarbons						
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Xylenes(ortho.meta and para)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorobenzene (surr.)	1	%	60	58	59	58
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(b)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(g,h,i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Indeno(1,2,3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Total PAH	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene-d12 (surr.)	1	%	85	87	68	98
2-Fluorobiphenyl (surr.)	1	%	52	51	59	57

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q-MW18	CCM104Q-MW21	CCM104Q-MW16	CCM104Q-MW15
	Lab Number		08-Oc08471	08-Oc08472	08-Oc08473	08-Oc08474
	Matrix		Water	Water	Water	Water
	Sample Date		Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.001	mg/L	< 0.002	< 0.001	< 0.002	< 0.002
2-Methylphenol (o-Cresol)	0.001	mg/L	< 0.002	< 0.001	< 0.002	< 0.002
2-Nitrophenol	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2,4-Dichlorophenol	0.001	mg/L	< 0.002	< 0.001	< 0.002	< 0.002
2,4-Dimethylphenol	0.001	mg/L	< 0.002	< 0.001	< 0.002	< 0.002
2,4,6-Trichlorophenol	0.001	mg/L	< 0.002	< 0.001	< 0.002	< 0.002
2,6-Dichlorophenol	0.001	mg/L	< 0.002	< 0.001	< 0.002	< 0.002
3&4-Methylphenol (m&p-Cresol)	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
4-Chloro-3-methylphenol	0.001	mg/L	< 0.002	< 0.001	< 0.002	< 0.002
Pentachlorophenol	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Phenol	0.001	mg/L	< 0.002	< 0.001	< 0.002	< 0.002
Phenol-d6 (surr.)	1	%	101	51	54	76
Type V - Shell						
Contaminant Utilising Bacteria	1	org/mL	17000	-	-	11000
Ferrous Iron - Fe2+	0.05	mg/L	< 0.05	-	-	< 0.05
Nitrate (N)	0.02	mg/L	4.5	-	-	2.6
Standard Plate Count	1	org/mL	75000	-	-	22000
Sulphate (S)	5	mg/L	120	-	-	20
Total Dissolved Solids	10	mg/L	3100	-	-	2200
Heavy Metals						
Lead	0.001	mg/L	< 0.001	< 0.001	< 0.001	0.003

COMMENTS:

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ERM	Client Sample ID		CCM104Q-MW14	CCM104Q-MW30	CCM104Q-MW29	CCM104Q-MW27
Level 1, 60 Leichhardt street	Lab Number		08-Oc08475	08-Oc08476	08-Oc08477	08-Oc08478
Spring Hill	Matrix		Water	Water	Water	Water
QLD 4004	Sample Date		Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	LOR	Units				
HRAF	1	mg/L	-	-	See Attached	
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	0.02	mg/L	< 0.02	< 0.02	0.34	< 0.02
TRH C10-C14 Fraction by GC	0.05	mg/L	< 0.05	< 0.05	0.11	< 0.05
TRH C15-C28 Fraction by GC	0.1	mg/L	< 0.1	< 0.1	0.4	< 0.1
TRH C29-C36 Fraction by GC	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
Monocyclic Aromatic Hydrocarbons						
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Xylenes(ortho.meta and para)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorobenzene (surr.)	1	%	59	59	81	85
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(b)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(g,h,i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Indeno(1,2,3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Total PAH	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene-d12 (surr.)	1	%	96	118	96	89

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q-MW14	CCM104Q-MW30	CCM104Q-MW29	CCM104Q-MW27
	Lab Number		08-Oc08475	08-Oc08476	08-Oc08477	08-Oc08478
	Matrix		Water	Water	Water	Water
	Sample Date		Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	LOR	Units				
2-Fluorobiphenyl (surr.)	1	%	58	61	53	54
Phenols						
2-Chlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2-Methylphenol (o-Cresol)	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2-Nitrophenol	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2,4-Dichlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2,4-Dimethylphenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2,4,6-Trichlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2,6-Dichlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
3&4-Methylphenol (m&p-Cresol)	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
4-Chloro-3-methylphenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Pentachlorophenol	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Phenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Phenol-d6 (surr.)	1	%	56	65	76	72
Type V - Shell						
Contaminant Utilising Bacteria	1	org/mL	-	35000	-	-
Ferrous Iron - Fe2+	0.05	mg/L	-	< 0.05	-	-
Nitrate (N)	0.02	mg/L	-	11	-	-
Standard Plate Count	1	org/mL	-	38000	-	-
Sulphate (S)	5	mg/L	-	130	-	-
Total Dissolved Solids	10	mg/L	-	2900	-	-
Heavy Metals						
Lead	0.001	mg/L	< 0.001	0.001	< 0.001	0.001

COMMENTS:

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ERM

ERM	Client Sample ID		CCM104Q-MW28	CCM104Q-MW4	CCM104Q-MW5A	R201008-1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08479	08-Oc08480	08-Oc08481	08-Oc08482
Spring Hill	Matrix		Water	Water	Water	Water
QLD 4004	Sample Date		Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 20, 2008
Analysis Type	LOR	Units				
HRAF	1	mg/L	See Attached			
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	0.02	mg/L	8.5	0.37	1.6	< 0.02
TRH C10-C14 Fraction by GC	0.05	mg/L	2.9	0.19	6.1	< 0.05
TRH C15-C28 Fraction by GC	0.1	mg/L	0.3	0.3	14	< 0.1
TRH C29-C36 Fraction by GC	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
Monocyclic Aromatic Hydrocarbons						
Benzene	0.001	mg/L	0.96	0.020	0.53	< 0.001
Toluene	0.001	mg/L	0.10	< 0.001	0.002	< 0.001
Ethylbenzene	0.001	mg/L	1.1	0.015	0.11	< 0.001
Xylenes(ortho.meta and para)	0.001	mg/L	1.0	0.006	0.020	< 0.001
Fluorobenzene (surr.)	1	%	77	100	99	56
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	0.001	< 0.001	0.003	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(b)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(g,h,i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorene	0.001	mg/L	0.003	< 0.001	0.008	< 0.001
Indeno(1,2,3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Naphthalene	0.001	mg/L	0.097	0.001	0.045	< 0.001
Phenanthrene	0.001	mg/L	0.004	< 0.001	0.009	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	0.001	< 0.001
Total PAH	0.001	mg/L	0.11	0.001	0.066	< 0.001
Chrysene-d12 (surr.)	1	%	89	89	96	110

COMMENTS:

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ERM	Client Sample ID		CCM104Q-MW28	CCM104Q-MW4	CCM104Q-MW5A	R201008-1
Level 1, 60 Leichhardt street	Lab Number		08-Oc08479	08-Oc08480	08-Oc08481	08-Oc08482
Spring Hill	Matrix		Water	Water	Water	Water
QLD 4004	Sample Date		Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 20, 2008
Analysis Type	LOR	Units				
2-Fluorobiphenyl (surr.)	1	%	52	52	50	62
Phenols						
2-Chlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2-Methylphenol (o-Cresol)	0.001	mg/L	< 0.004	< 0.002	< 0.002	< 0.002
2-Nitrophenol	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2,4-Dichlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2,4-Dimethylphenol	0.001	mg/L	0.024	< 0.002	< 0.002	< 0.002
2,4,6-Trichlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2,6-Dichlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
3&4-Methylphenol (m&p-Cresol)	0.002	mg/L	< 0.005	< 0.002	< 0.002	< 0.002
4-Chloro-3-methylphenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Pentachlorophenol	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Phenol	0.001	mg/L	< 0.005	< 0.002	< 0.002	< 0.002
Phenol-d6 (surr.)	1	%	50	50	72	78
Heavy Metals						
Lead	0.001	mg/L	0.005	< 0.001	< 0.001	< 0.001

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ERM

ERM	Client Sample ID		R201008-2	R211008-1	R211008-2	D211008-1
Level 1, 60 Leichhardt street Spring Hill QLD 4004	Lab Number		08-Oc08483	08-Oc08484	08-Oc08485	08-Oc08486
	Matrix		Water	Water	Water	Water
	Sample Date		Oct 20, 2008	Oct 20, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	0.02	mg/L	< 0.02	< 0.02	< 0.02	0.29
TRH C10-C14 Fraction by GC	0.05	mg/L	< 0.05	< 0.05	< 0.05	0.08
TRH C15-C28 Fraction by GC	0.1	mg/L	< 0.1	< 0.1	< 0.1	0.9
TRH C29-C36 Fraction by GC	0.1	mg/L	< 0.1	< 0.1	< 0.1	0.1
Monocyclic Aromatic Hydrocarbons						
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Xylenes(ortho.meta and para)	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorobenzene (surr.)	1	%	55	51	58	77
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(b)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(g,h,i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Total PAH	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene-d12 (surr.)	1	%	67	65	83	91
2-Fluorobiphenyl (surr.)	1	%	50	69	64	74

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		R201008-2	R211008-1	R211008-2	D211008-1
	Lab Number		08-Oc08483	08-Oc08484	08-Oc08485	08-Oc08486
	Matrix		Water	Water	Water	Water
	Sample Date		Oct 20, 2008	Oct 20, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2-Methylphenol (o-Cresol)	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2-Nitrophenol	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2,4-Dichlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2,4-Dimethylphenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2,4,6-Trichlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2,6-Dichlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
3&4-Methylphenol (m&p-Cresol)	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
4-Chloro-3-methylphenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Pentachlorophenol	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Phenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Phenol-d6 (surr.)	1	%	54	56	50	65
Heavy Metals						
Lead	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001

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ERM

Client Sample ID		TB211008-1	TB211008-2	CCM104Q-MW26	CCM104Q-MW24
Level 1, 60 Leichhardt street	Lab Number	08-Oc08487	08-Oc08488	08-Oc08942	08-Oc08943
Spring Hill	Matrix	Water	Water	Water	Water
QLD 4004	Sample Date	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	0.02	mg/L	< 0.02	< 0.02	< 0.02
TRH C10-C14 Fraction by GC	0.05	mg/L	-	-	< 0.05
TRH C15-C28 Fraction by GC	0.1	mg/L	-	-	< 0.1
TRH C29-C36 Fraction by GC	0.1	mg/L	-	-	< 0.1
Monocyclic Aromatic Hydrocarbons					
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001
Xylenes(ortho.meta and para)	0.001	mg/L	< 0.001	< 0.001	< 0.001
Fluorobenzene (surr.)	1	%	54	55	66
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.001	mg/L	-	-	< 0.001
Acenaphthylene	0.001	mg/L	-	-	< 0.001
Anthracene	0.001	mg/L	-	-	< 0.001
Benz(a)anthracene	0.001	mg/L	-	-	< 0.001
Benzo(a)pyrene	0.001	mg/L	-	-	< 0.001
Benzo(b)fluoranthene	0.001	mg/L	-	-	< 0.001
Benzo(g,h,i)perylene	0.001	mg/L	-	-	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	-	-	< 0.001
Chrysene	0.001	mg/L	-	-	< 0.001
Dibenz(a,h)anthracene	0.001	mg/L	-	-	< 0.001
Fluoranthene	0.001	mg/L	-	-	< 0.001
Fluorene	0.001	mg/L	-	-	< 0.001
Indeno(1,2,3-cd)pyrene	0.001	mg/L	-	-	< 0.001
Naphthalene	0.001	mg/L	-	-	< 0.001
Phenanthrene	0.001	mg/L	-	-	< 0.001
Pyrene	0.001	mg/L	-	-	< 0.001
Total PAH	0.001	mg/L	-	-	< 0.001
Chrysene-d12 (surr.)	1	%	-	-	73
2-Fluorobiphenyl (surr.)	1	%	-	-	63

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		TB211008-1	TB211008-2	CCM104Q-MW26	CCM104Q-MW24
	Lab Number		08-Oc08487	08-Oc08488	08-Oc08942	08-Oc08943
	Matrix		Water	Water	Water	Water
	Sample Date		Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	LOR	Units				
Phenols						
2-Chlorophenol	0.001	mg/L	-	-	< 0.002	< 0.002
2-Methylphenol (o-Cresol)	0.001	mg/L	-	-	< 0.002	< 0.002
2-Nitrophenol	0.005	mg/L	-	-	< 0.005	< 0.005
2,4-Dichlorophenol	0.001	mg/L	-	-	< 0.002	< 0.002
2,4-Dimethylphenol	0.001	mg/L	-	-	< 0.002	0.010
2,4,6-Trichlorophenol	0.001	mg/L	-	-	< 0.002	< 0.002
2,6-Dichlorophenol	0.001	mg/L	-	-	< 0.002	< 0.002
3&4-Methylphenol (m&p-Cresol)	0.002	mg/L	-	-	< 0.002	0.005
4-Chloro-3-methylphenol	0.001	mg/L	-	-	< 0.002	< 0.002
Pentachlorophenol	0.005	mg/L	-	-	< 0.005	< 0.005
Phenol	0.001	mg/L	-	-	< 0.002	< 0.01
Phenol-d6 (surr.)	1	%	-	-	54	53
Heavy Metals						
Lead	0.001	mg/L	-	-	0.024	0.008

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ERM	Client Sample ID		CCM104Q-MW9	CCM104Q-MW7	CCM104Q-MW11	CCM104Q-MW22
Level 1, 60 Leichhardt street	Lab Number		08-Oc08944	08-Oc08945	08-Oc08946	08-Oc08947
Spring Hill	Matrix		Water	Water	Water	Water
QLD 4004	Sample Date		Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	LOR	Units				
HRAF	1	mg/L	-	-	See Attached	
Total Recoverable Hydrocarbons						
TRH C6-C9 Fraction by GC	0.02	mg/L	0.68	0.05	79	18
TRH C10-C14 Fraction by GC	0.05	mg/L	0.16	0.47	9.1	5.8
TRH C15-C28 Fraction by GC	0.1	mg/L	1.1	1.1	1.0	0.3
TRH C29-C36 Fraction by GC	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
Monocyclic Aromatic Hydrocarbons						
Benzene	0.001	mg/L	< 0.001	< 0.001	35	1.9
Toluene	0.001	mg/L	< 0.001	< 0.001	31	1.8
Ethylbenzene	0.001	mg/L	< 0.001	0.003	2.6	1.0
Xylenes(ortho.meta and para)	0.001	mg/L	< 0.001	< 0.001	16	6.5
Fluorobenzene (surr.)	1	%	69	86	82	121
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	0.001	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(b)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(g,h,i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	0.002	< 0.001	< 0.001
Indeno(1,2,3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Naphthalene	0.001	mg/L	< 0.001	0.003	0.19	0.19
Phenanthrene	0.001	mg/L	< 0.001	0.004	< 0.001	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Total PAH	0.001	mg/L	< 0.001	0.010	0.19	0.19
Chrysene-d12 (surr.)	1	%	103	102	92	130

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		CCM104Q-MW9	CCM104Q-MW7	CCM104Q-MW11	CCM104Q-MW22
	Lab Number		08-Oc08944	08-Oc08945	08-Oc08946	08-Oc08947
	Matrix		Water	Water	Water	Water
	Sample Date		Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	LOR	Units				
2-Fluorobiphenyl (surr.)	1	%	64	80	56	76
Phenols						
2-Chlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2-Methylphenol (o-Cresol)	0.001	mg/L	< 0.002	< 0.002	1.1	0.097
2-Nitrophenol	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
2,4-Dichlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2,4-Dimethylphenol	0.001	mg/L	< 0.002	< 0.002	0.57	0.086
2,4,6-Trichlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
2,6-Dichlorophenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
3&4-Methylphenol (m&p-Cresol)	0.002	mg/L	< 0.002	< 0.002	0.51	0.062
4-Chloro-3-methylphenol	0.001	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
Pentachlorophenol	0.005	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
Phenol	0.001	mg/L	< 0.002	< 0.002	0.17	0.030
Phenol-d6 (surr.)	1	%	53	81	53	53
Heavy Metals						
Lead	0.001	mg/L	< 0.001	0.004	0.011	0.004

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ERM	Client Sample ID		D211008-2	D211008-3	TB211008-3
Level 1, 60 Leichhardt street	Lab Number		08-Oc08949	08-Oc08950	08-Oc08951
Spring Hill	Matrix		Water	Water	Water
QLD 4004	Sample Date		Oct 20, 2008	Oct 20, 2008	Oct 20, 2008
Analysis Type	LOR	Units			
Total Recoverable Hydrocarbons					
TRH C6-C9 Fraction by GC	0.02	mg/L	23	18	< 0.02
TRH C10-C14 Fraction by GC	0.05	mg/L	3.6	6.1	-
TRH C15-C28 Fraction by GC	0.1	mg/L	0.4	0.4	-
TRH C29-C36 Fraction by GC	0.1	mg/L	< 0.1	< 0.1	-
Monocyclic Aromatic Hydrocarbons					
Benzene	0.001	mg/L	7.2	2.1	< 0.001
Toluene	0.001	mg/L	1.0	2.0	< 0.001
Ethylbenzene	0.001	mg/L	2.1	1.1	< 0.001
Xylenes(ortho.meta and para)	0.001	mg/L	12	7.0	< 0.001
Fluorobenzene (surr.)	1	%	116	110	58
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	-
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	-
Anthracene	0.001	mg/L	< 0.001	< 0.001	-
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	-
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	-
Benzo(b)fluoranthene	0.001	mg/L	< 0.001	< 0.001	-
Benzo(g,h,i)perylene	0.001	mg/L	< 0.001	< 0.001	-
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	-
Chrysene	0.001	mg/L	< 0.001	< 0.001	-
Dibenz(a,h)anthracene	0.001	mg/L	< 0.001	< 0.001	-
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	-
Fluorene	0.001	mg/L	0.002	0.001	-
Indeno(1,2,3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	-
Naphthalene	0.001	mg/L	0.16	0.23	-
Phenanthrene	0.001	mg/L	0.001	0.001	-
Pyrene	0.001	mg/L	< 0.001	< 0.001	-
Total PAH	0.001	mg/L	0.16	0.23	-
Chrysene-d12 (surr.)	1	%	117	90	-
2-Fluorobiphenyl (surr.)	1	%	76	55	-

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID		D211008-2	D211008-3	TB211008-3
	Lab Number		08-Oc08949	08-Oc08950	08-Oc08951
	Matrix		Water	Water	Water
	Sample Date		Oct 20, 2008	Oct 20, 2008	Oct 20, 2008
Analysis Type	LOR	Units			
Phenols					
2-Chlorophenol	0.001	mg/L	< 0.002	< 0.002	-
2-Methylphenol (o-Cresol)	0.001	mg/L	< 0.002	0.099	-
2-Nitrophenol	0.005	mg/L	< 0.005	< 0.005	-
2,4-Dichlorophenol	0.001	mg/L	< 0.005	< 0.005	-
2,4-Dimethylphenol	0.001	mg/L	0.012	0.090	-
2,4,6-Trichlorophenol	0.001	mg/L	< 0.005	< 0.005	-
2,6-Dichlorophenol	0.001	mg/L	< 0.005	< 0.005	-
3&4-Methylphenol (m&p-Cresol)	0.002	mg/L	0.007	0.063	-
4-Chloro-3-methylphenol	0.001	mg/L	< 0.005	< 0.005	-
Pentachlorophenol	0.005	mg/L	< 0.005	< 0.005	-
Phenol	0.001	mg/L	< 0.01	0.034	-
Phenol-d6 (surr.)	1	%	56	53	-
Heavy Metals					
Lead	0.001	mg/L	0.006	0.003	

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ERM	Client Sample ID	CCM104Q-MW18	CCM104Q-MW18	RPD	SPIKE	LCS	Method blank
Level 1, 60 Leichhardt street Spring Hill QLD 4004	Lab Number	08-Oc08471	08-Oc08471	08-Oc08471	08-Oc08471	Batch	Batch
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Water	Water	Water	Water	Water	Water
	Sample Date	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Total Recoverable Hydrocarbons							
TRH C6-C9 Fraction by GC		-	-	< 1	105	91	< 0.02
TRH C10-C14 Fraction by GC		< 0.05	< 0.05	< 1	-	-	-
TRH C15-C28 Fraction by GC		< 0.1	< 0.1	< 1	-	-	-
TRH C29-C36 Fraction by GC		< 0.1	< 0.1	< 1	-	-	-
Polycyclic Aromatic Hydrocarbons							
Acenaphthene		< 0.001	< 0.001	< 1	98	118	< 0.001
Acenaphthylene		< 0.001	< 0.001	< 1	104	120	< 0.001
Anthracene		< 0.001	< 0.001	< 1	100	122	< 0.001
Benz(a)anthracene		< 0.001	< 0.001	< 1	124	101	< 0.001
Benzo(a)pyrene		< 0.001	< 0.001	< 1	104	116	< 0.001
Benzo(b)fluoranthene		< 0.001	< 0.001	< 1	100	124	< 0.001
Benzo(g,h,i)perylene		< 0.001	< 0.001	< 1	85	115	< 0.001
Benzo(k)fluoranthene		< 0.001	< 0.001	< 1	102	124	< 0.001
Chrysene		< 0.001	< 0.001	< 1	98	95	< 0.001
Dibenz(a,h)anthracene		< 0.001	< 0.001	< 1	80	105	< 0.001
Fluoranthene		< 0.001	< 0.001	< 1	116	91	< 0.001
Fluorene		< 0.001	< 0.001	< 1	108	120	< 0.001
Indeno(1,2,3-cd)pyrene		< 0.001	< 0.001	< 1	93	120	< 0.001
Naphthalene		< 0.001	< 0.001	< 1	130	100	< 0.001
Phenanthrene		< 0.001	< 0.001	< 1	116	117	< 0.001
Pyrene		< 0.001	< 0.001	< 1	114	96	< 0.001
Phenols							
2-Chlorophenol		< 0.002	< 0.002	< 1	112	104	< 0.001
2-Methylphenol (o-Cresol)		< 0.002	< 0.002	< 1	108	72	< 0.001
2-Nitrophenol		< 0.005	< 0.005	< 1	109	104	< 0.005
2,4-Dichlorophenol		< 0.002	< 0.002	< 1	111	121	< 0.001
2,4-Dimethylphenol		< 0.002	< 0.002	< 1	88	107	< 0.001
2,4,6-Trichlorophenol		< 0.002	< 0.002	< 1	117	127	< 0.001

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ERM
 Level 1, 60 Leichhardt street
 Spring Hill

QLD 4004

Client Sample	CCM104Q-	CCM104Q-	RPD	SPIKE	LCS	Method blank
Lab Number	08-Oc08471	08-Oc08471	08-Oc08471	08-Oc08471	Batch	Batch
QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
Matrix	Water	Water	Water	Water	Water	Water
Sample Date	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	Units		% RPD	% Recovery	% Recovery	mg/L
Phenols						
2,6-Dichlorophenol	< 0.002	< 0.002	< 1	112	128	< 0.001
3&4-Methylphenol (m&p-Cresol)	< 0.002	< 0.002	< 1	115	86	< 0.002
4-Chloro-3-methylphenol	< 0.002	< 0.002	< 1	123	101	< 0.001
Pentachlorophenol	< 0.005	< 0.005	< 1	103	-	< 0.005
Phenol	< 0.002	< 0.002	< 1	118	113	< 0.001
Type V - Shell						
Total Dissolved Solids	-	-	6.0	-	-	-
<p>Published under RTI Act 2009</p>						

COMMENTS:

MGT Report No. 235915
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ERM	Client Sample ID	CCM104Q-MW21	CCM104Q-MW21	RPD	SPIKE	LCS	Method blank
Level 1, 60 Leichhardt street	Lab Number	08-Oc08472	08-Oc08472	08-Oc08472	08-Oc08472	Batch	Batch
Spring Hill	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
QLD 4004	Matrix	Water	Water	Water	Water	Water	Water
	Sample Date	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Total Recoverable Hydrocarbons							
TRH C10-C14 Fraction by GC		< 0.05	-	-	74	87	< 0.05
TRH C15-C28 Fraction by GC		-	-	-	-	-	< 0.1
TRH C29-C36 Fraction by GC		-	-	-	-	-	< 0.1
Heavy Metals							
Lead		< 0.001	< 0.001	< 1	103	-	-

COMMENTS:

MGT Report No. 235915
 Page 18 of 22

ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	RPD	SPIKE	LCS	Method blank
	Lab Number	Batch	Batch	Batch	Batch
	QA Description		Spike % Recovery	% Recovery	
	Matrix	Water	Water	Water	Water
	Sample Date	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	Units		% Recovery	% Recovery	mg/L
Monocyclic Aromatic Hydrocarbons					
Benzene		< 1	114	-	< 0.001
Toluene		< 1	101	-	< 0.001
Ethylbenzene		< 1	101	-	< 0.001
Xylenes(ortho.meta and para)		< 1	116	124	< 0.001
<div>Published on 10/10/2009</div> <div>Disclosure Log</div> <div>RTI Act 2009</div>					

COMMENTS:

ERM	Client Sample ID	CCM104Q-MW30	CCM104Q-MW30	RPD	SPIKE	LCS	Method blank
Level 1, 60 Leichhardt street Spring Hill	Lab Number	08-Oc08476	08-Oc08476	08-Oc08476	08-Oc08476	Batch	Batch
QLD 4004	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
	Matrix	Water	Water	Water	Water	Water	Water
	Sample Date	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Type V - Shell							
Ferrous Iron - Fe2+		< 0.05	< 0.05	< 1	90	94	< 0.05
Nitrate (N)		-	-	< 1	106	101	< 0.02
Sulphate (S)		130	130	< 1	95	111	< 5
<div>Published on 10/11/2009</div> <div>Disclosure Log</div> <div>RTI Act 2009</div>							

COMMENTS:

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ERM Level 1, 60 Leichhardt street Spring Hill QLD 4004	Client Sample ID	R201008-1	R201008-1	RPD	SPIKE
	Lab Number	08-Oc08482	08-Oc08482	08-Oc08482	08-Oc08482
	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery
	Matrix	Water	Water	Water	Water
	Sample Date	Oct 20, 2008	Oct 20, 2008	Oct 20, 2008	Oct 20, 2008
Analysis Type	Units			% RPD	% Recovery
Heavy Metals					
Lead		< 0.001	< 0.001	< 1	101
<div>Published on 2009-10-20</div> <div>Disclosure Log</div> <div>RTI Act 2009</div>					

COMMENTS:

ERM	Client Sample ID	CCM104Q-MW22	CCM104Q-MW22	RPD	SPIKE	LCS	Method blank
Level 1, 60 Leichhardt street	Lab Number	08-Oc08947	08-Oc08947	08-Oc08947	08-Oc08947	Batch	Batch
Spring Hill	QA Description		Duplicate	Duplicate % RPD	Spike % Recovery	% Recovery	
QLD 4004	Matrix	Water	Water	Water	Water	Water	Water
	Sample Date	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008	Oct 21, 2008
Analysis Type	Units			% RPD	% Recovery	% Recovery	mg/L
Heavy Metals							
Lead		0.004	0.003	13	102	107	< 0.001
<div>Published on 2009-10-21</div> <div>Disclosure Log</div> <div>RTI Act 2009</div>							

COMMENTS:

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HEALTH RISK ASSESSMENT FRACTIONATION (HRAF)

MGT Report 235915-a

Analyte	SampleMW29 (08-Oc08477)		SampleMW28 (08-Oc08479)	
	Aliphatic mg/litre	Aromatic mg/litre	Aliphatic mg/litre	Aromatic mg/litre
C6	0.21	< 0.001	1.3	0.96
C7	< 0.1	< 0.001	1.9	0.1
C8	< 0.1	< 0.001	0.9	1.1
C9	< 0.1	< 0.001	< 0.25	1.0
C10	0.01	< 0.01	0.19	1.1
C11	0.02	< 0.01	0.22	0.89
C12	0.01	< 0.01	0.07	0.21
C13	0.03	< 0.01	0.24	0.04
C14	0.04	< 0.01	0.14	0.02
C15	0.06	< 0.01	0.11	< 0.01
C16	0.05	< 0.01	0.05	< 0.01
C17	0.06	< 0.01	0.03	< 0.01
C18	0.07	< 0.01	0.03	< 0.01
C19	0.05	< 0.01	0.02	< 0.01
C20	0.04	< 0.01	< 0.01	< 0.01
C21	0.03	< 0.01	< 0.01	< 0.01
C22	0.02	< 0.01	< 0.01	< 0.01
C23	0.01	< 0.01	< 0.01	< 0.01
C24	< 0.01	< 0.01	< 0.01	< 0.01
C25	< 0.01	< 0.01	< 0.01	< 0.01
C26	< 0.01	< 0.01	< 0.01	< 0.01
C27	< 0.01	< 0.01	< 0.01	< 0.01
C28	< 0.01	< 0.01	< 0.01	< 0.01
C29	< 0.01	< 0.01	< 0.01	< 0.01
C30	< 0.01	< 0.01	< 0.01	< 0.01
C31	< 0.01	< 0.01	< 0.01	< 0.01
C32	< 0.01	< 0.01	< 0.01	< 0.01
C33	< 0.01	< 0.01	< 0.01	< 0.01
C34	< 0.01	< 0.01	< 0.01	< 0.01
C35	< 0.01	< 0.01	< 0.01	< 0.01



Analyte	SampleMW11 (08-Oc08946)	
	Aliphatic mg/litre	Aromatic mg/litre
C6	< 5	35
C7	< 5	31
C8	< 5	2.6
C9	< 5	16
C10	0.24	4.5
C11	0.85	3.4
C12	0.15	0.60
C13	0.13	0.19
C14	0.14	0.09
C15	0.14	0.02
C16	0.10	<0.01
C17	0.10	<0.01
C18	0.09	<0.01
C19	0.08	<0.01
C20	0.06	<0.01
C21	0.05	<0.01
C22	0.06	<0.01
C23	0.04	<0.01
C24	0.03	<0.01
C25	0.03	<0.01
C26	0.02	<0.01
C27	0.02	<0.01
C28	0.05	<0.01
C29	<0.01	<0.01
C30	<0.01	<0.01
C31	<0.01	<0.01
C32	<0.01	<0.01
C33	<0.01	<0.01
C34	<0.01	<0.01
C35	<0.01	<0.01

Annex E

Borehole Logs

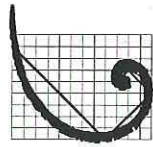
Published on DES
Disclosure Log
RTI Act 2009

Client: The Shell Company of Australia Limited Project No.: 0081610 Project Name: Shell GESS Site Name: Quilpie Depot Site Address: Cnr. Arthur and Campbell St., Rockhampton			ID: SB01/MW24  ERM ERM Australia Pty Ltd	
Drill Start Date: 14 Oct 2008 Drill Finish Date: 14 Oct 2008 Drill Co: Geoprobe Driller: sch4p4(6) Pers Drill Method: Air Rotary Hole Type: Monitoring Well	Total Depth (m): 6 Hole Diam. / Width (mm): Casing Type: PVC Casing Diam. (mm): 50 Surface Completion: Gatic Cover Water Strike (m bgl): 4.5	Final Water Level (m bgl): - Elevation (Ground): - Elevation (Case): - Easting (MGA): - Northing (MGA): -		

Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
Ground Surface			0							
Clay Clay, red, moist, low-medium plasticity					AR	Y		1.3	SB01_0.1-0.2	
					AR	Y		1.1	SB01_0.5-0.6	
					AR	Y		0.9	SB01_1.0-1.1	
Siltstone Siltstone, dry, light brown, dry, possible HC odour										
					AR	Y		27.5	SB01_2.0-2.1	
Sand Sand, light grey, moist, poorly sorted, slight HC odour										
					AR	Y		42.1	SB01_3.0-3.1	
Sandstone Sandstone, red, dry-moist										

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: sch4p4(6) Pers
 Checked by:

Client: The Shell Company of Australia Limited Project No.: 0081610 Project Name: Shell GESS Site Name: Quilpie Depot Site Address: Cnr. Arthur and Campbell St., Rockhampton			ID: SB01/MW24  ERM ERM Australia Pty Ltd	
Drill Start Date: 14 Oct 2008 Drill Finish Date: 14 Oct 2008 Drill Co: Geoprobe Driller: Sch4p4(6) Pers Drill Method: Air Rotary Hole Type: Monitoring Well	Total Depth (m): 6 Hole Diam. / Width (mm): Casing Type: PVC Casing Diam. (mm): 50 Surface Completion: Gatic Cover Water Strike (m bgl): 4.5	Final Water Level (m bgl): - Elevation (Ground): - Elevation (Case): - Easting (MGA): - Northing (MGA): -		

Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
Sandstone Sandstone, red, wet			4		AR	Y		1.4	SB01_4.0-4.1	
			5		AR	Y		1.5	SB01_5.0-5.1	
			6		AR	Y		1.2	SB01_6.0-6.1	
End of Log			7							

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

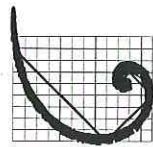
Log By: Sch4p4(6) Pers
 Checked By: _____

Client: The Shell Company of Australia Limited Project No.: 0081610 Project Name: Shell GESS Site Name: Quilpie Depot Site Address: Cnr. Arthur and Campbell St., Rockhampton			ID: SB02/MW25  ERM ERM Australia Pty Ltd		
Drill Start Date: 14 Oct 2008 Drill Finish Date: 14 Oct 2008 Drill Co: Geoprobe Driller: Sch4p4(6) Person Drill Method: Air Rotary Hole Type: Monitoring Well	Total Depth (m): 6 Hole Diam. / Width (mm): Casing Type: PVC Casing Diam. (mm): 50 Surface Completion: Gatic Cover Water Strike (m bgl): 5.5	Final Water Level (m bgl): - Elevation (Ground): - Elevation (Case): - Easting (MGA): - Northing (MGA): -			

Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
Ground Surface			0							
Clay Clay, red, low plasticity, dry					AR	Y		1	SB02_0.1-0.2	
					AR	Y		1	SB02_0.5-0.6	
					AR	Y		0.8	SB02_1.0-1.1	
Siltstone Siltstone, red, dry			2		AR	Y		38.5	SB02_2.0-2.1	
Siltstone Siltstone, light grey, dry, slight HC odou			3		AR	Y		68.5	SB02_3.0-3.1	

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: Sch4p4(6) Person
 Checked By: _____

Client: The Shell Company of Australia Limited Project No.: 0081610 Project Name: Shell GESS Site Name: Quilpie Depot Site Address: Cnr. Arthur and Campbell St., Rockhampton			ID: SB02/MW25  ERM ERM Australia Pty Ltd		
Drill Start Date: 14 Oct 2008 Drill Finish Date: 14 Oct 2008 Drill Co: Geoprobe Driller: Sch4p4(6) Pers Drill Method: Air Rotary Hole Type: Monitoring Well	Total Depth (m): 6 Hole Diam. / Width (mm): Casing Type: PVC Casing Diam. (mm): 50 Surface Completion: Gatic Cover Water Strike (m bgl): 5.5	Final Water Level (m bgl): - Elevation (Ground): - Elevation (Case): - Easting (MGA): - Northing (MGA): -			

Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
Sandstone Sandstone, red, wet			4		AR	Y		2.5	SB02_4.0-4.1	
			5		AR	Y		1.1	SB02_5.0-5.1	
			6		AR	Y		1.1	SB02_5.9-6.0	
End of Log			7							

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: Sch4p4(6) Pers
 Checked By:

Client: The Shell Company of Australia Limited Project No.: 0081610 Project Name: Shell GESS Site Name: Quilpie Depot Site Address: Cnr. Arthur and Campbell St., Rockhampton			ID: SB03/MW26  ERM ERM Australia Pty Ltd	
Drill Start Date: 15 Oct 2008 Drill Finish Date: 15 Oct 2008 Drill Co: Geoprobe Driller: sch4p4(6) Perso Drill Method: Air Rotary Hole Type: Monitoring Well	Total Depth (m): 5.5 Hole Diam. / Width (mm): Casing Type: PVC Casing Diam. (mm): 50 Surface Completion: Gatic Cover Water Strike (m bgl): 3.8	Final Water Level (m bgl): - Elevation (Ground): - Elevation (Case): - Easting (MGA): - Northing (MGA): -		

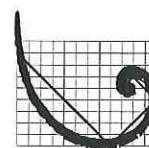
Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
Ground Surface			0							
Clay Clay, red, dry, low plasticity, gravel present					AR	Y		0.6	SB03_0.1-0.2	
					AR	Y		0.8	SB03_0.5-0.6	
Clay Clay, red/gray, dry, large angular gravel			1		AR	Y		0.6	SB03_1.0-1.1	
Siltstone Siltstone, grey, dry			2		AR	Y		0.4	SB03_2.0-2.1	Duplicate D01
Sandstone Sandstone, red, moist, becoming wet with depth			3		AR	Y		0.8	SB03_3.0-3.1	

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: sch4p4(6) Perso
 Checked By: _____

Client: The Shell Company of Australia Limited
 Project No.: 0081610
 Project Name: Shell GESS
 Site Name: Quilpie Depot
 Site Address: Cnr. Arthur and Campbell St., Rockhampton

ID: SB03/MW26



ERM

ERM Australia Pty Ltd

Drill Start Date: 15 Oct 2008
 Drill Finish Date: 15 Oct 2008
 Drill Co: Geoprobe
 Driller: Sch4p4(6) Pers
 Drill Method: Air Rotary
 Hole Type: Monitoring Well

Total Depth (m): 5.5
 Hole Diam. / Width (mm):
 Casing Type: PVC
 Casing Diam. (mm): 50
 Surface Completion: Gatic Cover
 Water Strike (m bgl): 3.8

Final Water Level (m bgl): -
 Elevation (Ground): -
 Elevation (Case): -
 Easting (MGA): -
 Northing (MGA): -

Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
			4		AR	Y		0.5	SB03_4.0-4.1	
			5		AR	Y		0.5	SB03_5.0-5.1	
End of Log			6							
			7							

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: Sch4p4(6) Pers
 Checked By:

Client: The Shell Company of Australia Limited Project No.: 0081610 Project Name: Shell GESS Site Name: Quilpie Depot Site Address: Cnr. Arthur and Campbell St., Rockhampton			ID: SB04/MW27  ERM ERM Australia Pty Ltd	
Drill Start Date: 15 Oct 2008 Drill Finish Date: 15 Oct 2008 Drill Co: Geoprobe Driller: sch4p4(6) Perso Drill Method: Air Rotary Hole Type: Monitoring Well	Total Depth (m): 6 Hole Diam. / Width (mm): Casing Type: PVC Casing Diam. (mm): 50 Surface Completion: Gatic Cover Water Strike (m bgl): 3.8	Final Water Level (m bgl): - Elevation (Ground): - Elevation (Case): - Easting (MGA): - Northing (MGA): -		

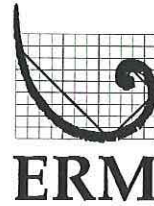
Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
Ground Surface			0							
Fill Gravel fill, red					AR	Y		0.6	SB04_0.1-0.2	
Clay Clay, red, dry, low plasticity					AR	Y		0.9	SB04_0.5-0.6	
			1		AR	Y		0.5	SB04_1.0-1.1	
Siltstone Siltstone, grey, dry, angular gravels										
			2		AR	Y		0.5	SB04_2.0-2.1	
			3		AR	Y		0.6	SB04_3.0-3.1	
Sandstone										

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: sch4p4(6) Perso
 Checked By:

Client: The Shell Company of Australia Limited
 Project No.: 0081610
 Project Name: Shell GESS
 Site Name: Quilpie Depot
 Site Address: Cnr. Arthur and Campbell St., Rockhampton

ID: SB04/MW27



ERM Australia Pty Ltd

Drill Start Date: 15 Oct 2008
 Drill Finish Date: 15 Oct 2008
 Drill Co: Geoprobe
 Driller: Sch4p4(6) Pers
 Drill Method: Air Rotary
 Hole Type: Monitoring Well

Total Depth (m): 6
 Hole Diam. / Width (mm):
 Casing Type: PVC
 Casing Diam. (mm): 50
 Surface Completion: Gatic Cover
 Water Strike (m bgl): 3.8

Final Water Level (m bgl): -
 Elevation (Ground): -
 Elevation (Case): -
 Easting (MGA): -
 Northing (MGA): -

Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
			4		AR	Y		0.4	SB04_4.0-4.1	Duplicate D02
			5		AR	Y		0.5	SB04_5.0-5.1	
			6		AR	Y		0.3	SB04_6.0-6.1	
End of Log										

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: Sch4p4(6) Perso
 Checked By:

Client: The Shell Company of Australia Limited Project No.: 0081610 Project Name: Shell GESS Site Name: Quilpie Depot Site Address: Cnr. Arthur and Campbell St., Rockhampton			ID: SB05/MW28  ERM ERM Australia Pty Ltd	
Drill Start Date: 15 Oct 2008 Drill Finish Date: 15 Oct 2008 Drill Co: Geoprobe Driller: Sch4p4(6) Pers Drill Method: Air Rotary Hole Type: Monitoring Well	Total Depth (m): 6 Hole Diam. / Width (mm): Casing Type: PVC Casing Diam. (mm): 50 Surface Completion: Gatic Cover Water Strike (m bgl): 2.9	Final Water Level (m bgl): - Elevation (Ground): - Elevation (Case): - Easting (MGA): - Northing (MGA): -		

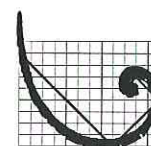
Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
Ground Surface			0							
Clay Clay, red, dry, gravel present					AR	Y		0.5	SB05_0.1-0.2	
					AR	Y		0.6	SB05_0.5-0.6	
					AR	Y		0.6	SB05_1.0-1.1	
Siltstone Siltstone, grey, dry										
					AR	Y		0.6	SB05_2.0-2.1	
Sandstone Sandstone, red/grey, medium moisture										
					AR	Y		0.8	SB05_3.0-3.1	

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: Sch4p4(6) Perso
 Checked By: _____

Client: The Shell Company of Australia Limited
 Project No.: 0081610
 Project Name: Shell GESS
 Site Name: Quilpie Depot
 Site Address: Cnr. Arthur and Campbell St., Rockhampton

ID: SB05/MW28



ERM

ERM Australia Pty Ltd

Drill Start Date: 15 Oct 2008
 Drill Finish Date: 15 Oct 2008
 Drill Co: Geoprobe
 Driller: sch4p4(6) Pers
 Drill Method: Air Rotary
 Hole Type: Monitoring Well

Total Depth (m): 6
 Hole Diam. / Width (mm):
 Casing Type: PVC
 Casing Diam. (mm): 50
 Surface Completion: Gatic Cover
 Water Strike (m bgl): 2.9

Final Water Level (m bgl): -
 Elevation (Ground): -
 Elevation (Case): -
 Easting (MGA): -
 Northing (MGA): -

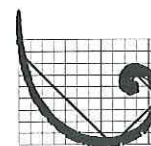
Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
			4		AR	Y		0.4	SB05_4.0-4.1	Duplicate D03
			5		AR	Y		0.6	SB05_5.0-5.1	
			6		AR	Y		0.8	SB05_6.0-6.1	
End of Log			7							

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: sch4p4(6) Persona
 Checked By: _____

Client: The Shell Company of Australia Limited
 Project No.: 0081610
 Project Name: Shell GESS
 Site Name: Quilpie Depot
 Site Address: Cnr. Arthur and Campbell St., Rockhampton

ID: SB06/MW29



ERM

ERM Australia Pty Ltd

Drill Start Date: 15 Oct 2008
 Drill Finish Date: 15 Oct 2008
 Drill Co: Geoprobe
 Driller: sch4p4(6) Pers
 Drill Method: Air Rotary
 Hole Type: Monitoring Well

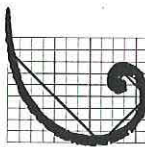
Total Depth (m): 6
 Hole Diam. / Width (mm):
 Casing Type: PVC
 Casing Diam. (mm): 50
 Surface Completion: Gatic Cover
 Water Strike (m bgl): 2.8

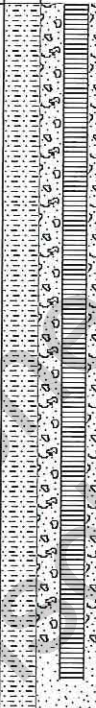
Final Water Level (m bgl): -
 Elevation (Ground): -
 Elevation (Case): -
 Easting (MGA): -
 Northing (MGA): -

Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
Ground Surface			0							
Clay Clay, red, dry, medium moisture, low plasticity					AR	Y		0.5	SB06_0.1-0.2	
					AR	Y		0.4	SB06_0.5-0.6	
			1		AR	Y		0.3	SB06_1.0-1.1	
Siltstone Siltstone, grey, dry, medium moisture, HC odour			2		AR	Y		196.4	SB06_2.0-2.1	
			3		AR	Y		7.3	SB06_3.0-3.1	

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: sch4p4(6) Pers
 Checked By:

Client: The Shell Company of Australia Limited Project No.: 0081610 Project Name: Shell GESS Site Name: Quilpie Depot Site Address: Cnr. Arthur and Campbell St., Rockhampton			ID: SB06/MW29  ERM ERM Australia Pty Ltd		
Drill Start Date: 15 Oct 2008 Drill Finish Date: 15 Oct 2008 Drill Co: <u>Geonrohe</u> Driller: <u>Sch4p4(6) Perso</u> Drill Method: Air Rotary Hole Type: Monitoring Well	Total Depth (m): 6 Hole Diam. / Width (mm): Casing Type: PVC Casing Diam. (mm): 50 Surface Completion: Gatic Cover Water Strike (m bgl): 2.8	Final Water Level (m bgl): - Elevation (Ground): - Elevation (Case): - Easting (MGA): - Northing (MGA): -			

Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
			4		AR	Y		0.7	SB06_4.0-4.1	Duplicate D04
			5		AR	Y		0.7	SB06_5.0-5.1	
			6		AR	Y		1.6	SB06_6.0-6.1	
End of Log			7							

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

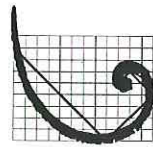
Log By Sch4p4(6) Personal
 Checked By: _____

Client: The Shell Company of Australia Limited Project No.: 0081610 Project Name: Shell GESS Site Name: Quilpie Depot Site Address: Cnr. Arthur and Campbell St., Rockhampton			ID: SB07/MW22  ERM ERM Australia Pty Ltd	
Drill Start Date: 15 Oct 2008 Drill Finish Date: 15 Oct 2008 Drill Co: Geoprobe Driller: sch4p4(6) Pe Drill Method: Air Rotary Hole Type: Monitoring Well	Total Depth (m): 6 Hole Diam. / Width (mm): Casing Type: PVC Casing Diam. (mm): 50 Surface Completion: Gatic Cover Water Strike (m bgl): -	Final Water Level (m bgl): - Elevation (Ground): - Elevation (Case): - Easting (MGA): - Northing (MGA): -		

Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
Ground Surface			0							
Clay Clay, red, dry, medium moisture, soft					AR	Y		0.7	SB07_0.1-0.2	
					AR	Y		0.3	SB07_0.5-0.6	
					AR	Y		0.9	SB07_1.0-1.1	
Siltstone Siltstone, grey, dry										
					AR	Y		34.8	SB07_2.0-2.1	
					AR	Y		6.2	SB07_3.0-3.1	Duplicate D05
Sandstone										

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: sch4p4(6) Pers
 Checked By: _____

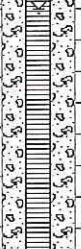
Client: The Shell Company of Australia Limited Project No.: 0081610 Project Name: Shell GESS Site Name: Quilpie Depot Site Address: Cnr. Arthur and Campbell St., Rockhampton			ID: SB07/MW22  ERM ERM Australia Pty Ltd		
Drill Start Date: 15 Oct 2008 Drill Finish Date: 15 Oct 2008 Drill Co: Geoprobe Driller: sch4p4(6) Person Drill Method: Air Rotary Hole Type: Monitoring Well	Total Depth (m): 6 Hole Diam. / Width (mm): Casing Type: PVC Casing Diam. (mm): 50 Surface Completion: Gatic Cover Water Strike (m bgl): -	Final Water Level (m bgl): - Elevation (Ground): - Elevation (Case): - Easting (MGA): - Northing (MGA): -			

Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
			4		AR	Y		1.1	SB07_4.0-4.1	
			5		AR	Y		2	SB07_5.0-5.1	
			6		AR	Y		0.6	SB07_6.0-6.1	
End of Log										

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: sch4p4(6) Person
 Checked By: _____

Client: The Shell Company of Australia Limited Project No.: 0081610 Project Name: Shell GESS Site Name: Quilpie Depot Site Address: Cnr. Arthur and Campbell St., Rockhampton			ID: SB08/MW30  ERM ERM Australia Pty Ltd	
Drill Start Date: 15 Oct 2008 Drill Finish Date: 15 Oct 2008 Drill Co: Geoprobe Driller: <u>Sch4p4(6) Per</u> Drill Method: Air Rotary Hole Type: Monitoring Well	Total Depth (m): 5.5 Hole Diam. / Width (mm): Casing Type: PVC Casing Diam. (mm): 50 Surface Completion: Gatic Cover Water Strike (m bgl): 3	Final Water Level (m bgl): - Elevation (Ground): - Elevation (Case): - Easting (MGA): - Northing (MGA): -		

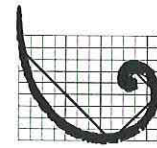
Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
Ground Surface			0							
Clay Clay, red, dry, low plasticity					AR	Y		0.8	SB08_0.1-0.2	
					AR	Y		0.4	SB08_0.5-0.6	
			1		AR	Y		1.3	SB08_1.0-1.1	
Siltstone Siltstone, grey, dry			2		AR	Y		1	SB08_2.0-2.1	Duplicate D06
Sandstone Sandstone, red/grey, medium moisture			3		AR	Y		0.8	SB08_3.0-3.1	

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: Sch4p4(6) Perso
 Checked By: _____

Client: The Shell Company of Australia Limited
 Project No.: 0081610
 Project Name: Shell GESS
 Site Name: Quilpie Depot
 Site Address: Cnr. Arthur and Campbell St., Rockhampton

ID: SB08/MW30



ERM

ERM Australia Pty Ltd

Drill Start Date: 15 Oct 2008
 Drill Finish Date: 15 Oct 2008
 Drill Co: Geoprobe
 Driller: sch4p4(6) Perso
 Drill Method: Air Rotary
 Hole Type: Monitoring Well

Total Depth (m): 5.5
 Hole Diam. / Width (mm):
 Casing Type: PVC
 Casing Diam. (mm): 50
 Surface Completion: Gatic Cover
 Water Strike (m bgl): 3

Final Water Level (m bgl): -
 Elevation (Ground): -
 Elevation (Case): -
 Easting (MGA): -
 Northing (MGA): -

Lithology	Symbol	Well	Depth (m)	Recovery	Sample Type	Analysed	PPT (kPa)	PID (ppm)	Sample Details	Remarks
			4		AR	Y		0.7	SB08_4.0-4.1	
			5							
			6							
End of Log			7							

NOTE: This bore log is for environmental purposes only and is not intended to provide geotechnical information.

Log By: sch4p4(6) Perso
 Checked By:

Annex F

Well Development

Published on DES
Disclosure Log
RTI Act 2009

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler: sch4p4(6) F
Well ID: MW1	Weather: Fine

Water quality equipment description:		Hanna		Interface probe number:		101	
Purging equipment: (please circle)	Bailer type:	<u>Plastic</u>	Teflon				
	Pump type:	Peristaltic	Submersible	Micro-purge	Amazon	Other:	

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V $= Pr \times r \times h$ V = volume in litres $P = 3.14159$ r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	196	7.85	31.4	49.1	70.7	125.7	196.3	
Total Well Depth (-) Water level (=) Water Column _____ m (-) _____ m (=) _____ m Water Column (x) Conversion Factor (=) Litres per 1 Well Volume _____ m (x) _____ (=) _____ L									
Depth to product: _____ m Product Thickness: _____ m Verified with Bailer:									<div style="border: 1px solid black; padding: 2px; display: inline-block;"> Y N </div>

[illegible]

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____

Groundwater - Well Sampling Data Form

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler: sch4p4(6) P
Well ID: mw2A	Weather: Fine

		Equipment				
Water quality equipment description:		Hanna		Interface probe number: 1P1		
Purging equipment: (please circle)	Bailer type:	☒ Plastic	☐ Teflon			
	Pump type:	☒ Peristaltic	☐ Submersible	☐ Micro-purge	☐ Amazon	☐ Other:

Well Gauging and Purge Volume Calculations											
Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = $\pi r^2 \times h$ V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm		
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3			
Total Well Depth (-) Water level (=) Water Column 5.320 m (-) 1.863 m (=) _____ m Water Column (x) Conversion Factor (=) Litres per 1 Well Volume _____ m (x) _____ (=) 6.78 L Depth to product: _____ m Product Thickness: _____ m Verified with Bailer: <table border="1"><tr><td>Y</td><td>N</td></tr></table>										Y	N
Y	N										

[illegible]

Field QC Checks			
Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____

MW 4



Groundwater - Well Sampling Data Form

Job Information	
Date: 20/10/08	Time: arrive _____ depart _____
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler: sch4p4(6) Pers
Well ID: MW4	Weather: Fine

Equipment	
Water quality equipment description: Hanna	Interface probe number: IPT
Purging equipment: (please circle)	Bailer type: Plastic Teflon
Pump type: Peristaltic	Submersible Micro-purge Amazon Other:

Well Gauging and Purge Volume Calculations									
Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = Pr x r x h V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	
Total Well Depth (-) Water level (=) Water Column									
7.355 m (-) 1.839 m (=) _____ m									
Water Column (x) Conversion Factor (=) Litres per 1 Well Volume									
_____ m (x) _____ (=) 10.81 L									
Depth to product: _____ m Product Thickness: _____ m Verified with Bailer: ☐ Y ☐ N									

Water Quality Parameters									
Beginning purge time: 0855		Ending purge time: _____							
Litres	Time	PH	Temp °C	Cond mS/cm	DO mg/L	Redox mV	Drawdown <10cm	Comments	
11	0900	NOT	TAKEN					Grey, cloudy, strong odour.	
22	0907							" " " "	
26	0910							" " " " , well dry	
								(A) 26 L	
*pH, temp, cond readings not necessary if well is purged dry									
Example Comments: clear / slightly cloudy / turbid / very turbid / no odour / slight odour / odour / strong odour / drawdown depth									
Total Well Volume					Sample time _____ Containers used _____				
Actual amount of water prior to sampling									
Flow rate mL/minute					Did field parameters stabilise? ☐ Y ☐ N ☐ NA				
					Was the well dry purged? ☐ Y ☐ N				

Field QC Checks	
Was pre-cleaning sampling equipment used for these samples?	☐ Y ☐ N
Was pre-cleaning sampling equipment properly protected from contamination?	☐ Y ☐ N
Was documentation of equipment conducted?	☐ Y ☐ N ☐ NA
Were air bubbles present in vials at time of collection?	☐ Y ☐ N ☐ NA
Was sample for metals field filtered prior to preservations?	☐ Y ☐ N ☐ NA
Duplicate sample collected?	☐ Y ☐ N
Rinsate blank collected?	☐ Y ☐ N
Duplicate sample ID _____	
Rinsate blank ID _____	

MW 4

Job Information	
Date: 20/10/06	Time: arrive depart
Project Name: Quillpie	Project Number: 0081610
Site Location: Quillpie	Sampler: sch4p4(6) Per
Well ID: MWSA	Weather: Fine

Water quality equipment description: <u>Handman</u>		Interface probe number: <u>1P1</u>				
Purging equipment: (please circle)	Bailer type:	<u>Plastic</u>	Teflon			
	Pump type:	Peristaltic	Submersible	Micro-purge	Amazon	Other:

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = $\pi r \times h$ V = volume in litres $\pi = 3.14159$ r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	
Total Well Depth (-) Water level (=) Water Column <u>6.195</u> m (-) <u>1.904</u> m (=) _____ m Water Column (x) Conversion Factor (=) Litres per 1 Well Volume _____ m (x) _____ (=) <u>8.41</u> L									
Depth to product: _____ m Product Thickness: _____ m Verified with Bailer:									
<div style="display: flex; justify-content: flex-end; align-items: center;"> <div style="border: 1px solid black; padding: 2px 10px; margin-right: 10px;">Y</div> <div style="border: 1px solid black; padding: 2px 10px;">N</div> </div>									

[illegible]

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____



Job Information	
Date: 20/10/05	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Samplers sch4p4(6) Pers
Well ID: mw6	Weather: Fine

Water quality equipment description:		Hanna		Interface probe number:		111	
Purging equipment: (please circle)	Bailer type:	Plastic	Teflon				
	Pump type:	Peristaltic	Submersible	Micro-purge	Amazon	Other:	

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V $= Pr \times r \times h$ V = volume in litres $P = 3.14159$ r = radius in cm h = height of water column in cm	
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3		
Total Well Depth (-) Water level (=) Water Column _____ m (-) _____ m (=) _____ m Water Column (x) Conversion Factor (=) Litres per 1 Well Volume _____ m (x) _____ (=) _____ L Depth to product: _____ m Product Thickness: _____ m Verified with Bailer: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>Y</td><td>N</td></tr></table>										Y
Y	N									

[illegible]

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler: sch4p4(6) Per
Well ID: mw7	Weather: Fine

Water quality equipment description:		Hanna		Interface probe number:		1 P 1	
Purging equipment: (please circle)	Bailer type:	Plastic	Teflon				
	Pump type:	Peristaltic	Submersible	Micro-purge	Amazon	Other:	

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V $= Pr \times r \times h$ V = volume in litres $P = 3.14159$ r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor 1/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	
Total Well Depth (-) Water level (=) Water Column 5.987 m (-) 1.989 m (=) _____ m Water Column (x) Conversion Factor (=) Litres per 1 Well Volume _____ m (x) _____ (=) 7.84 L									
Depth to product: _____ m		Product Thickness: _____ m		Verified with Bailer:		<div style="border: 1px solid black; padding: 2px; display: inline-block;"> Y N </div>			

[illegible]

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sample: Sch4p4(6) Person
Well ID: mws	Weather: Fine

Water quality equipment description:		Interface probe number:				
Purging equipment: (please circle)	Bailer type:	Plastic	Teflon			
	Pump type:	Peristaltic	Submersible	Micro-purge	Amazon	Other:

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = Pr x r x h V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	

Total Well Depth (-) Water level (=) Water Column
 6.096 m (-) 1.912 m (=) _____ m

Water Column (x) Conversion Factor (=) Litres per 1 Well Volume
 _____ m (x) _____ (=) 8.20 L

Depth to product: _____ m Product Thickness: _____ m Verified with Bailer:

Y	N
---	---

[illegible]

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____



Groundwater - Well Sampling Data Form

Job Information	
Date: 20/10/09	Time: arrive _____ depart _____
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler: Sch4p4(6) P
Well ID: MW9	Weather: Fine

Equipment	
Water quality equipment description: Hanna (ERMs)	Interface probe number: 1P1 (ERMs)
Purging equipment: (please circle)	Bailer type: Plastic Teflon
Pump type: Peristaltic	Submersible Micro-purge Amazon Other:

Well Gauging and Purge Volume Calculations									
Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = $\pi r^2 \times h$ V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	
Total Well Depth (-) Water level (=) Water Column 6.009 m (-) 1.705 m (=) _____ m									
Water Column (x) Conversion Factor (=) Litres per 1 Well Volume _____ m (x) _____ (=) 8.44 L									
Depth to product: _____ m Product Thickness: _____ m Verified with Bailer: ☐ Y ☐ N									

Water Quality Parameters									
Beginning purge time:				Ending purge time:					
Litres	Time	PH	Temp °C	Cond mS/cm	DO mg/L	Redox mV	Drawdown <10cm	Comments	
9	1817	sheen	not	not	not	not	not	Clear, black susp solids, sheen	
18	1821							" " "	
22	1823				Well dry			" , sheen, well dry @ 22L	
<p>*pH, temp, cond readings not necessary if well is purged dry</p> <p>Example Comments: clear / slightly cloudy / turbid / very turbid / no odour / slight odour / odour / strong odour / drawdown depth</p>									
<p>Total Well Volume Actual amount of water prior to sampling _____ Sample time _____ Containers used _____</p> <p>Flow rate mL/minute _____ Did field parameters stabilise? ☐ Y ☐ N ☐ NA Was the well dry purged? ☐ Y ☐ N</p>									

Field QC Checks		
Was pre-cleaning sampling equipment used for these samples?	☐ Y	☐ N
Was pre-cleaning sampling equipment properly protected from contamination?	☐ Y	☐ N
Was documentation of equipment conducted?	☐ Y	☐ N ☐ NA
Were air bubbles present in vials at time of collection?	☐ Y	☐ N ☐ NA
Was sample for metals field filtered prior to preservations?	☐ Y	☐ N ☐ NA
Duplicate sample collected?	☐ Y	☐ N Duplicate sample ID _____
Rinsate blank collected?	☐ Y	☐ N Rinsate blank ID _____

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler sch4p4(6) Per:
Well ID: mw11	Weather: Fine

Water quality equipment description:		Hanna		Interface probe number:		1P1	
Purging equipment: (please circle)	Baller type:	☒ Plastic	☐ Teflon				
	Pump type:	☒ Peristaltic	☐ Submersible	☐ Micro-purge	☐ Amazon	☐ Other:	

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V $= P \times r \times h$ V = volume in litres $P = 3.14159$ r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	

Total Well Depth (-) Water level (=) Water Column
5.80 m (-) 2.384 m (=) _____ m

Water Column (x) Conversion Factor (=) Litres per m Well Volume
 _____ m (x) _____ (=) 6.67 L

Depth to product: _____ m Product Thickness: _____ m Verified with Bailer:

Y	N
---	---

[illegible]

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____

Stand pipe.

Field QC Checks			
Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____

CASING BENT. DO NOT USE SURVEY DATA, NO CAP,
MEASURED FROM RIGHT CASING MARK FACING RAIL LINE

MW13



Groundwater - Well Sampling Data Form

Job Information	
Date: 20/10/08	Time: arrive _____ depart _____
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler: Sch4p4(6) Pe
Well ID: mw13	Weather: Fine

Equipment	
Water quality equipment description: 1 form	Interface probe number: 1P1
Purging equipment: (please circle)	Bailer type: Plastic Teflon
Pump type: Peristaltic	Submersible Micro-purge Amazon Other:

Well Gauging and Purge Volume Calculations								
Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3
Total Well Depth (-) Water level (=) Water Column 3.865 m (-) 2.230 m (=) _____ m								
Water Column (x) Conversion Factor (=) Litres per 1 Well Volume _____ m (x) _____ (=) 3.20								
Depth to product: _____ m Product Thickness: _____ m Verified with Bailer: ☐ Y ☐ N								

Water Quality Parameters									
Beginning purge time:		Ending purge time:							
Litres	Time	PH	Temp °C	Cond mS/cm	DO mg/L	Redox mV	Drawdown <10cm	Comments	
*pH, temp, cond readings not necessary if well is purged dry							Example Comments: clear / slightly cloudy / turbid / very turbid / no odour / slight odour / odour / strong odour / drawdown depth		
Total Well Volume		Sample time _____				Containers used _____			
Actual amount of water prior to sampling		Did field parameters stabilise? ☐ Y ☐ N ☐ NA				Was the well dry purged? ☐ Y ☐ N			
Flow rate mL/minute									

Field QC Checks			
Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	
Rinsate blank collected?	Y	N	
Duplicate sample ID _____			
Rinsate blank ID _____			

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler sch4p4(6) Pe
Well ID: mw14	Weather: Fine

Water quality equipment description:		Hanna		Interface probe number:		1P1	
Purging equipment: (please circle)	Bailer type:	Plastic	Teflon				
	Pump type:	Peristaltic	Submersible	Micro-purge	Amazon	Other:	

Casing Diameter	25mm	(50mm)	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V		
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	V = Pr x r x h V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm		
Total Well Depth (-) Water level (=) Water Column <u>6.035</u> m (-) <u>1.734</u> m (=) _____ m Water Column (x) Conversion Factor (=) Litres per 1 Well Volume _____ m (x) _____ (=) <u>8.43</u> L Depth to product: _____ m Product Thickness: _____ m Verified with Bailer: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>Y</td><td>N</td></tr></table>										Y	N
Y	N										

[illegible]

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____



Groundwater - Well Sampling Data Form

Job Information	
Date: 20/10/08	Time: arrive _____ depart _____
Project Name: Oulpie	Project Number: 0081610
Site Location: Oulpie	Sampler: Sch4p4(6) Per
Well ID: mw15	Weather: Fine

Equipment	
Water quality equipment description: Hanna	Interface probe number: 101
Purging equipment: (please circle)	Bailer type: Plastic Teflon Pump type: Peristaltic Submersible Micro-purge Amazon Other:

Well Gauging and Purge Volume Calculations									
Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = $\pi r^2 \times h$ V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	
Total Well Depth (-) Water level (=) Water Column									
5.99 m (-) 1.754 m (=) _____ m									
Water Column (x) Conversion Factor (=) Litres per Well Volume									
_____ m (x) _____ (=) 8.30 L									
Depth to product: _____ m Product Thickness: _____ m Verified with Bailer: ☐ Y ☐ N									

Water Quality Parameters									
Beginning purge time: 1420		Ending purge time: 1425							
Litres	Time	PH	Temp °C	Cond mS/cm	DO mg/L	Redox mV	Drawdown 510cm	Comments	
9	1424	7.31	30.36	2.896	7.22	-43.3	1664	Reddish brown, turbid	
18	1429	7.36	30.28	2.969	6.54	-51.7	1474	Light brown, turbid	
27	1434	7.37	30.17	2.998	5.94	-49.3	1495	" cloudy	
*pH, temp, cond readings not necessary if well is purged dry									
Example Comments: clear / slightly cloudy / turbid / very turbid / no odour / slight odour / odour / strong odour / drawdown depth									
Total Well Volume		Sample time		Containers used					
Actual amount of water prior to sampling		_____		_____					
Flow rate mL/minute		Did field parameters stabilise?		Was the well dry purged?					
_____		☒ Y ☐ N ☐ NA		☒ Y ☐ N					

Field QC Checks	
Was pre-cleaning sampling equipment used for these samples?	☒ Y ☐ N
Was pre-cleaning sampling equipment properly protected from contamination?	☒ Y ☐ N
Was documentation of equipment conducted?	☒ Y ☐ N ☐ NA
Were air bubbles present in vials at time of collection?	☒ Y ☐ N ☐ NA
Was sample for metals field filtered prior to preservations?	☒ Y ☐ N ☐ NA
Duplicate sample collected?	☒ Y ☐ N Duplicate sample ID _____
Rinsate blank collected?	☒ Y ☐ N Rinsate blank ID _____

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler: sch4p4(6) P
Well ID: mw16	Weather: Fine

Water quality equipment description:		Hanna		Interface probe number:		1P1	
Purging equipment: (please circle)	Bailer type:	Plastic	Teflon				
	Pump type:	Peristaltic	Submersible	Micro-purge	Amazon	Other:	

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = $\pi r^2 \times h$ V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	

Total Well Depth (-) Water level (=) Water Column
5.83 m (-) 1.795 m (=) _____ m

Water Column (x) Conversion Factor (=) Litres per 1 Well Volume
 _____ m (x) _____ (=) 7.91 L

Depth to product: _____ m Product Thickness: _____ m Verified with Bailer:

Y	N
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[illegible]

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____

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Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler Sch4p4(6) Per
Well ID: MW17	Weather: Fine.

Water quality equipment description:		Hanna		Interface probe number:		P	
Purging equipment: (please circle)	Bailer type:	Plastic	Teflon				
	Pump type:	Peristaltic	Submersible	Micro-purge	Amazon	Other:	

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = Pr x r x h V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm		
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3			
Total Well Depth (-) Water level (=) Water Column											
6.895 m (-) 2.007 m (=) _____ m											
Water Column (x) Conversion Factor (=) Litres per 1 Well Volume											
_____ m (x) _____ (=) 7.62 L											
Depth to product: 1.865 m											
Product Thickness: 0.142 m											
Verified with Bailor: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>Y</td><td>N</td></tr></table> — 28mm.									Y	N	
Y	N										

[illegible]

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler: Sch4p4(6) Per
Well ID: mw18	Weather: Fine

Water quality equipment description:		Interface probe number:				
Purging equipment: (please circle)	Bailer type:	Plastic	Teflon			
	Pump type:	Peristaltic	Submersible	Micro-purge	Amazon	Other:

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V $= P \times r \times h$ V = volume in litres $P = 3.14159$ r = radius in cm h = height of water column in cm	
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3		
Total Well Depth (-) Water level (=) Water Column <u>5.91</u> m (-) <u>1.614</u> m (=) _____ m Water Column (x) Conversion Factor (=) Litres per 1 Well Volume _____ m (x) _____ (=) <u>8.42</u> L Depth to product: _____ m Product Thickness: _____ m Verified with Bailor: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Y</td> <td>N</td> </tr> </table>										Y
Y	N									

[illegible]

**pH, temp, cond readings not necessary if well is purged dry*

Example Comments: clear / slightly cloudy / turbid / very turbid / no odour / slight odour / odour / strong odour / drawdown depth

Did field parameters stabilise?	Y	N	NA	Was the well dry purged?	Y	N
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Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____

marked as lost on map - not located **mw19**



Groundwater - Well Sampling Data Form

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Qui	Project Number:
Site Location: Quilpie	Sample: Sch4p4(6) Per
Well ID: mw19	Weather:

Equipment	
Water quality equipment description:	Interface probe number:
Purging equipment: (please circle)	Bailer type: Plastic Teflon
	Pump type: Peristaltic Submersible Micro-purge Amazon Other:

Well Gauging and Purge Volume Calculations									
Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = $\pi r^2 \times h$ V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	
Total Well Depth (-) Water level (=) Water Column _____ m (-) _____ m (=) _____ m Water Column (x) Conversion Factor (=) Litres per 1 Well Volume _____ m (x) _____ (=) _____ L									
Depth to product: _____ m		Product Thickness: _____ m		Verified with Bailer:		☐ Y ☐ N			

Water Quality Parameters									
Beginning purge time:		Ending purge time:							
Litres	Time	PH	Temp °C	Cond mS/cm	DO mg/L	Redox mV	Drawdown <10cm	Comments	
*pH, temp, cond readings not necessary if well is purged dry							Example Comments: clear / slightly cloudy / turbid / very turbid / no odour / slight odour / odour / strong odour / drawdown depth		
Total Well Volume		Sample time		Containers used					
Actual amount of water prior to sampling									
Flow rate mL/minute		Did field parameters stabilise?		Y N NA		Was the well dry purged? Y N			

Field QC Checks				
Was pre-cleaning sampling equipment used for these samples?	Y	N		
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N		
Was documentation of equipment conducted?	Y	N	NA	
Were air bubbles present in vials at time of collection?	Y	N	NA	
Was sample for metals field filtered prior to preservations?	Y	N	NA	
Duplicate sample collected?	Y	N	Duplicate sample ID _____	
Rinsate blank collected?	Y	N	Rinsate blank ID _____	

mw19

MWZ 0



Groundwater - Well Sampling Data Form

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name:	Project Number:
Site Location: Quilpie	Sampler: Sch4p4(6) Perso
Well ID: MW20	Weather:

Equipment						
Water quality equipment description:			Interface probe number:			
Purging equipment: (please circle)	Bailer type:	Plastic	Teflon			
	Pump type:	Peristaltic	Submersible	Micro-purge	Amazon	Other:

Well Gauging and Purge Volume Calculations								
Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3

Total Well Depth (-) Water level (=) Water Column
 _____ m (-) _____ m (=) _____ m

Water Column (x) Conversion Factor (=) Litres per 1 Well Volume
 _____ m (x) _____ (=) _____ L

Depth to product: _____ m Product Thickness: _____ m Verified with Bailer: Y N

Volume of water in well / V
 $= Pr \times r \times h$
 V = volume in litres
 P = 3.14159
 r = radius in cm
 h = height of water column in cm

[illegible]

Field QC Checks			
Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____

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Groundwater - Well Sampling Data Form

Job Information	
Date: 20/10/08	Time: arrive _____ depart _____
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler: Sch4p4(6) P
Well ID: mw 21	Weather: Fine

Equipment	
Water quality equipment description: Hanna	Interface probe number: 1 P 1
Purging equipment: (please circle)	Bailer type: Plastic Teflon
Pump type: Peristaltic	Submersible Micro-purge Amazon Other:

Well Gauging and Purge Volume Calculations									
Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = $\pi r^2 h$ V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	
Total Well Depth (-) Water level (=) Water Column									
5.90 m (-) 1.974 m (=) _____ m									
Water Column (x) Conversion Factor (=) Litres per 1 Well Volume									
_____ m (x) _____ (=) 1.69 L									
Depth to product: _____ m Product Thickness: _____ m Verified with Bailer: ☐ Y ☐ N									

Water Quality Parameters									
Beginning purge time: 1400		Ending purge time: 1415							
Litres	Time	PH	Temp °C	Cond mS/cm	DO mg/L	Redox mV	Drawdown 10cm	Comments	
8	1404	7.21	29.09	5.303	4.73	-96.1	16.71	Reddish brown, turbid, no odour.	
16	1410	7.29	28.82	3.171	6.73	-52.9	15.92	" " "	
24	1414	7.31	29.00	3.196	5.91	-54.9	15.90	Slightly brown, cloudy, no odour.	
*pH, temp, cond readings not necessary if well is purged dry									
Example Comments: clear / slightly cloudy / turbid / very turbid / no odour / slight odour / odour / strong odour / drawdown depth									
Total Well Volume		Sample time		Containers used					
Actual amount of water prior to sampling		_____		_____					
Flow rate mL/minute		Did field parameters stabilise?		Was the well dry purged?					
_____		☒ Y ☐ N ☐ NA		☐ Y ☐ N					

Field QC Checks		
Was pre-cleaning sampling equipment used for these samples?	☐ Y ☐ N	
Was pre-cleaning sampling equipment properly protected from contamination?	☐ Y ☐ N	
Was documentation of equipment conducted?	☐ Y ☐ N ☐ NA	
Were air bubbles present in vials at time of collection?	☐ Y ☐ N ☐ NA	
Was sample for metals field filtered prior to preservations?	☐ Y ☐ N ☐ NA	
Duplicate sample collected?	☐ Y ☐ N	Duplicate sample ID _____
Rinsate blank collected?	☐ Y ☐ N	Rinsate blank ID _____

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler Sch4p4(6) Pers
Well ID: mw22	Weather: Fine

Water quality equipment description:		Interface probe number:	
Purging equipment: (please circle)	Bailer type:	Teflon	
	Pump type:	Micro-purge	Amazon

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = $\pi r^2 \times h$ V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	
Total Well Depth (-) Water level (=) Water Column 5.70 m (-) 4.42 m (=) _____ m Water Column (x) Conversion Factor (=) Litres per 1 Well Volume _____ m (x) _____ (=) 7.37 L Depth to product: _____ m Product Thickness: _____ m Verified with Bailor: Y N									

Beginning purge time: 0828						Ending purge time:		
Litres	Time	pH	Temp °C	Cond mS/cm	DO mg/L	Redox mV	Drawdown <10cm	Comments
8	0831	NOT TAKEN						Reddish, strong odour.
16	0834							" "
24	0836							" "
<i>*pH, temp, cond readings not necessary if well is purged dry</i>							Example Comments: clear / slightly cloudy / turbid / very turbid / no odour / slight odour / odour / strong odour / drawdown depth	
Total Well Volume _____ Actual amount of water prior to sampling _____ Sample time _____ Containers used _____								
Flow rate mL/minute _____ Did field parameters stabilise? Y N NA Was the well dry purged? Y (N)								

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: 008160 Quilpie	Project Number: Quilpie
Site Location: Quilpie	Samples: sch4p4(6) Pers
Well ID: 214 mw24	Weather: Fine

Water quality equipment description:		Hanna		Interface probe number:		1P1	
Purging equipment: (please circle)	Bailer type:	Plastic	Teflon				
	Pump type:	Peristaltic	Submersible	Micro-purge	Amazon	Other:	

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V $= \pi r^2 \times h$ V = volume in litres $P = 3.14159$ r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	
Total Well Depth (-) Water level (=) Water Column <u>6.335</u> m (-) <u>2.210</u> m (=) _____ m Water Column (x) Conversion Factor (=) litres per 1 Well Volume _____ m (x) _____ (=) <u>8.09</u> L									
Depth to product: _____ m		Product Thickness: _____ m		Verified with Bailer:		<div style="border: 1px solid black; padding: 2px; display: inline-block;"> Y N </div>			

[illegible]

*pH, temp, cond readings not necessary if well is purged dry

Example Comments: clear / slightly cloudy / turbid / very turbid / no odour / slight odour / odour / strong odour / drawdown depth

Was the well dry purged? Y / N

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____



Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: 008160 Quilpie	Project Number: 008160
Site Location: Quilpie	Sampler Sch4p4(6) Pe
Well ID: MW25	Weather:

Water quality equipment description: Hanna (ERM5)		Interface probe number: IPI (ERM5)				
Purging equipment: (please circle)	Bailer type:	Plastic	Teflon			
	Pump type:	Peristaltic	Submersible	Micro-purge	Amazon	Other:

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = $\pi r^2 \times h$ V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	

Total Well Depth (-) Water level (=) Water Column
6.32 m (-) 5.195 m (=) _____ m

Water Column (x) Conversion Factor (=) Litres per 1 Well Volume
 _____ m (x) _____ (=) 6.13 L

Depth to product: _____ m Product Thickness: _____ m Verified with Bailor:

Y	N
---	---

[illegible]

*pH, temp, cond readings not necessary if well is purged dry

Example Comments: clear / slightly cloudy / turbid / very turbid / no odour / slight odour / odour / strong odour / drawdown depth

Sample time _____ Containers used _____

Did field parameters stabilise?	Y	N	NA
---------------------------------	---	---	----

Was the well dry purged? ☐ Y ☐ N

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler: sch4p4(6) Perso
Well ID: MW26	Weather: Fine

Water quality equipment description:		Hanna		Interface probe number:		1P1	
Purging equipment: (please circle)	Bailer type:	☒ Plastic	☐ Teflon				
	Pump type:	☒ Peristaltic	☐ Submersible	☐ Micro-purge	☐ Amazon	☐ Other:	

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V $= \pi r^2 \times h$ V = volume in litres $\pi = 3.14159$ r = radius in cm h = height of water column in cm		
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3			
Total Well Depth (-) Water level (=) Water Column <u>5.12</u> m (-) <u>2.124</u> m (=) _____ m Water Column (x) Conversion Factor (=) Litres per 1 Well Volume _____ m (x) _____ (=) <u>5.87</u> L											
Depth to product: _____ m Product Thickness: _____ m Verified with Bailer: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>Y</td><td>N</td></tr></table>										Y	N
Y	N										

[illegible]

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____



Groundwater - Well Sampling Data Form

Job Information	
Date: 20/10/08	Time: arrive _____ depart _____
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler: Sch4p4(6) Pe
Well ID: mw27	Weather: Fine

Equipment	
Water quality equipment description: Hammer	Interface probe number: 1PI
Purging equipment: (please circle)	Bailer type: Plastic Teflon
Pump type: Peristaltic Submersible Micro-purge Amazon Other:	

Well Gauging and Purge Volume Calculations									
Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = $\pi r^2 \times h$ V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	
Total Well Depth (-) Water level (=) Water Column									
5.876 m (-) 1.817 m (=) _____ m									
Water Column (x) Conversion Factor (=) Litres per 1 Well Volume									
_____ m (x) _____ (=) 7.96 L									
Depth to product: _____ m Product Thickness: _____ m Verified with Bailer: ☐ Y ☐ N									

Water Quality Parameters									
Beginning purge time: 1640		Ending purge time: 1715							
Litres	Time	PH	Temp °C	Cond mS/cm	DO mg/L	Redox mV	Drawdown <10cm	Comments	
8	1644	7.73	25.88	7404	21.09	28.0	3750	Reddish brown, turbid.	
16	1648	7.53	26.33	7370	15.59	30.1	3736	" "	
22	1654							Reddish brown, turbid, well dry @ 22L	
*pH, temp, cond readings not necessary if well is purged dry									
Example Comments: clear / slightly cloudy / turbid / very turbid / no odour / slight odour / odour / strong odour / drawdown depth									
Total Well Volume									
Actual amount of water prior to sampling _____ Sample time _____ Containers used _____									
Flow rate mL/minute _____ Did field parameters stabilise? ☐ Y ☐ N ☐ NA Was the well dry purged? ☐ Y ☐ N									

Field QC Checks	
Was pre-cleaning sampling equipment used for these samples?	☐ Y ☐ N
Was pre-cleaning sampling equipment properly protected from contamination?	☐ Y ☐ N
Was documentation of equipment conducted?	☐ Y ☐ N ☐ NA
Were air bubbles present in vials at time of collection?	☐ Y ☐ N ☐ NA
Was sample for metals field filtered prior to preservations?	☐ Y ☐ N ☐ NA
Duplicate sample collected?	☐ Y ☐ N Duplicate sample ID _____
Rinsate blank collected?	☐ Y ☐ N Rinsate blank ID _____

Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler: Sch4p4(6) Per
Well ID: mw28	Weather: Fine.

Water quality equipment description:		Interface probe number:	
Purging equipment: (please circle)		Bailer type:	Teflon
		Pump type:	Micro-purge
		Peristaltic	Amazon
		Submersible	Other:

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = $P \times r \times h$ V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm	
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3		
Total Well Depth (-) Water level (=) Water Column 5.805 m (-) 5.75 m (=) _____ m Water Column (x) Conversion Factor (=) Litres per 1 Well Volume _____ m (x) _____ (=) 8.29 L										
Depth to product: _____ m Product Thickness: _____ m Verified with Bailer: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Y</td> <td>N</td> </tr> </table>									Y	N
Y	N									

Beginning purge time:				Ending purge time:				
Litres	Time	pH	Temp °C	Cond mS/cm	DO mg/L	Redox mV	Drawdown <10cm	Comments
9	9.46		Not taken					Brown, turbid, sheer, odour
18	9.49							" " "
27	9.52							" " "
<i>*pH, temp, cond readings not necessary if well is purged dry</i>								Example Comments: clear / slightly cloudy / turbid / very turbid / no odour / slight odour / odour / strong odour / drawdown depth
		Total Well Volume _____ Actual amount of water prior to sampling _____			Sample time _____ Containers used _____			
		Flow rate mL/minute _____			Did field parameters stabilise? Y N NA			Was the well dry purged? Y N

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____



Job Information	
Date: 20/10/08	Time: arrive depart
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sampler: Sch4p4(6) Persona
Well ID: MW29	Weather: Fine

Water quality equipment description:		Hanna		Interface probe number:		P1	
Purging equipment: (please circle)	Bailer type:	Plastic	Teflon				
	Pump type:	Peristaltic	Submersible	Micro-purge	Amazon	Other:	

Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = $\pi r^2 \times h$ V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	

Total Well Depth (-) Water level (=) Water Column
62 m (-) 1.855 m (=) _____ m

Water Column (x) Conversion Factor (=) Litres per 1 Well Volume
 _____ m (x) _____ (=) 7.38 L

Depth to product: _____ m Product Thickness: _____ m Verified with Bailer:

Y	N
---	---

[illegible]

Was pre-cleaning sampling equipment used for these samples?	Y	N	
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N	
Was documentation of equipment conducted?	Y	N	NA
Were air bubbles present in vials at time of collection?	Y	N	NA
Was sample for metals field filtered prior to preservations?	Y	N	NA
Duplicate sample collected?	Y	N	Duplicate sample ID _____
Rinsate blank collected?	Y	N	Rinsate blank ID _____

286 of 300 MW 29



Groundwater - Well Sampling Data Form

Job Information	
Date: 20/10/08	Time: arrive _____ depart _____
Project Name: Quilpie	Project Number: 0081610
Site Location: Quilpie	Sample: Sch4p4(6) Pd
Well ID: MW 30	Weather: Fine

Equipment	
Water quality equipment description: Hanna	Interface probe number: 1P1
Purging equipment: (please circle)	Bailer type: Plastic Teflon
Pump type: Peristaltic	Submersible Micro-purge Amazon Other:

Well Gauging and Purge Volume Calculations									
Casing Diameter	25mm	50mm	100mm	125mm	150mm	200mm	250mm	300mm	Volume of water in well / V = $\pi r^2 \times h$ V = volume in litres P = 3.14159 r = radius in cm h = height of water column in cm
Conversion Factor (volume in factor L/m)	0.98	1.96	7.85	31.4	49.1	70.7	125.7	196.3	
Total Well Depth (-) Water level (=) Water Column									
5.530 m (-) 1.733 m (=) _____ m									
Water Column (x) Conversion Factor (=) Litres per 1 Well Volume									
_____ m (x) _____ (=) 7.44 L									
Depth to product: _____ m Product Thickness: _____ m Verified with Bailer: ☐ Y ☐ N									

Water Quality Parameters									
Beginning purge time: 1618		Ending purge time: 1715							
Litres	Time	PH	Temp °C	Cond mS/cm	DO mg/L	Redox mV	Drawdown 10cm	Comments	
8	1624	7.64	25.64	5568	14.41	19.0	28.4	Cloudy, almost clear,	
16	1628	7.63	25.72	5654	11.42	30.7	29.78	"	
24	1635	7.71	25.51	5607	11.46	44.1	28.33	Clear.	
*pH, temp, cond readings not necessary if well is purged dry									
Example Comments: clear / slightly cloudy / turbid / very turbid / no odour / slight odour / odour / strong odour / drawdown depth									
Total Well Volume		Sample time		Containers used					
Actual amount of water prior to sampling		_____		_____					
Flow rate mL/minute		Did field parameters stabilise?		Y N NA		Was the well dry purged? Y N			

Field QC Checks		
Was pre-cleaning sampling equipment used for these samples?	Y	N
Was pre-cleaning sampling equipment properly protected from contamination?	Y	N
Was documentation of equipment conducted?	Y	NA
Were air bubbles present in vials at time of collection?	Y	NA
Was sample for metals field filtered prior to preservations?	Y	NA
Duplicate sample collected?	Y	N
Rinsate blank collected?	Y	N
Duplicate sample ID		_____
Rinsate blank ID		_____

Annex G

Survey Data

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PERMANENT MARKS: - M.G.A. CO-ORDINATES (GDA-94) RL AHD

PM	ORIGIN	BEARING	DIST	RL	EASTING	NORTHING	ZONE	ORDER	CLASS	No.
C-OPM	RP178126	260°37'15"	1006	196.853	227794.897	7053431.286	55	4	NO	4182
C-OPM	7/SP143312	175°26'45"	27.601	196.977	227798.086	7053403.936	55	4	NO	73839

New Conn

MONITORING WELLS: - M.G.A. CO-ORDINATES (GDA-94) RL AHD

MONITORING WELL	RL - CASE TOP	EASTING	NORTHING	ZONE	RL - LID / SURFACE
MW22	197-056	227718.677	7053462.712	55	197-213
MW24	197-155	227764.974	7053482.951	55	197-390
MW25	197-216	227762.4369	7053473.342	55	197-437
MW26	197-078	227794.454	7053481.527	55	197-247
MW27	196-77	227783.715	7053461.943	55	196-944
MW28	196-941	227749.294	7053468.161	55	197-179
MW29	196-883	227817.034	7053444.506	55	196-934
MW30	196-700	227854.085	7053449.553	55	196-914

REFERENCE MARKS

STN	TO	ORIGIN	BEARING	DIST
A	OIP	13/SP102367	171°45'15"	0.463
D	OIP	11/NK83	99°44'35"	1.237
F	OIP	9/NK83	350°45'35"	3.707
C	OIP	11/SP169577	74°39'05"	1.467
J	OIP	13/NK49	350°17'40"	0.604

LEGEND:
 ○ MW/99 - Monitoring well
 o Cen GIP
 - Centre galv. iron fence post
 - Overhead electricity
 - Edge of bitumen
 - Fence

CONNECTION TO PROPERTY CORNERS

MONITORING WELL	PROPERTY CORNER	BEARING	DIST
MW22	D	78°47'55"	55.631
MW22	E	263°41'40"	32.958
MW24	I	75°14'55"	87.055
MW24	L	94°52"	89.6
MW25	I	78°23'55"	157.983
MW25	L	89°16'55"	159.86
MW26	K	322°28"	23.669
MW26	L	238°40'35"	11.884
MW27	A	129°23'45"	31.131
MW27	B	22°55'55"	37.461
MW28	D	77°23'30"	24.562
MW28	E	261°51'25"	64.006
MW29	A	93°03"	43.791
MW29	B	207°10'45"	11.737
MW30	A	137°45'40"	9.961
MW30	B	249°56"	45.134

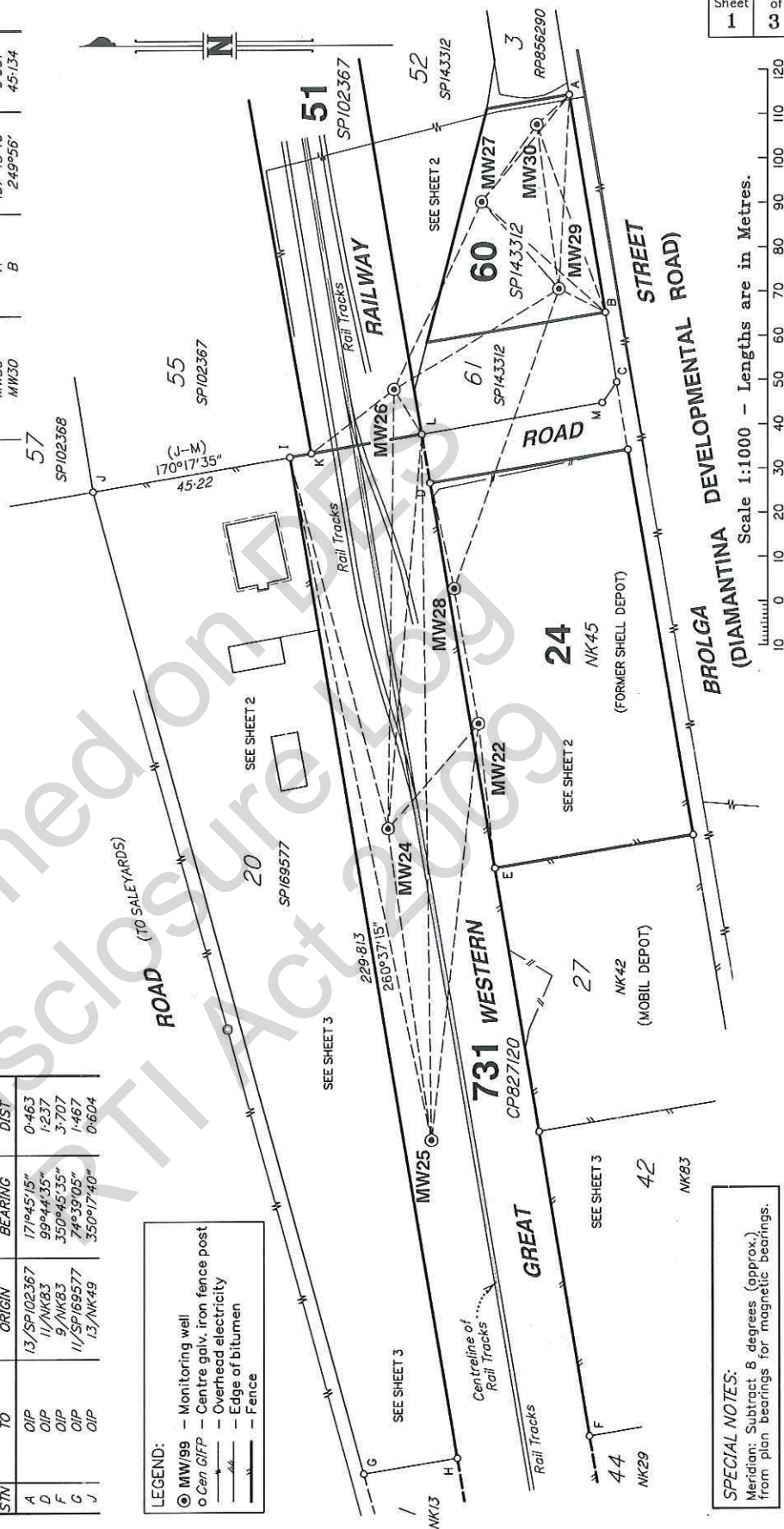
NOTES:
 This plan has been prepared for the exclusive use and purposes of the client as stated on this plan and should not be used by any other person or corporation and for any other purpose.

Property boundaries have not been defined by this survey and have been compiled from NK45, SP143312 & SP169577.

Underground features and services have not been located by this survey. Prior to any construction, demolition or excavation on the site, the relevant authority should be contacted for the location of any further underground services and detailed location of all services.

This plan may not be photocopied unless these notes are included.

Ambridge and Associates Pty. Ltd. trading as Inland Surveys accepts no responsibility for any loss or damages caused in contravention of the above.



SPECIAL NOTES:
 Meridian: Subtract 8 degrees (approx.) from plan bearings for magnetic bearings.

Ambridge and Associates Pty. Ltd. t/a

INLAND SURVEYS
 CONSULTING SURVEYORS

CHARLEVILLE: 9 Watson Street, CHARLEVILLE.
 Tel: (07) 4654 1365
 BEAUDESERT: 8b / 115 Brisbane Street, BEAUDESERT.
 Tel: (07) 5541 4877 Fax: (07) 5541 4866
 Email: inlandsurveys@ambridge.net.au

CLIENT: ENVIRONMENTAL RESOURCES MANAGEMENT AUSTRALIA

Location Survey - Monitoring Wells 22 & 24-30 in Lot 24 on NK45, Lot 51 on SP102367, Lot 60 on SP143312 and Lot 731 on CP827120 surrounding former Shell Depot - Broilga Street, Quilpie

MERIDIAN
 G.D.A.

DATUM
 A.H.D.

SCALE
 1:1000
 File B

SURVEYED
 MRS

DATE
 08-12-2008

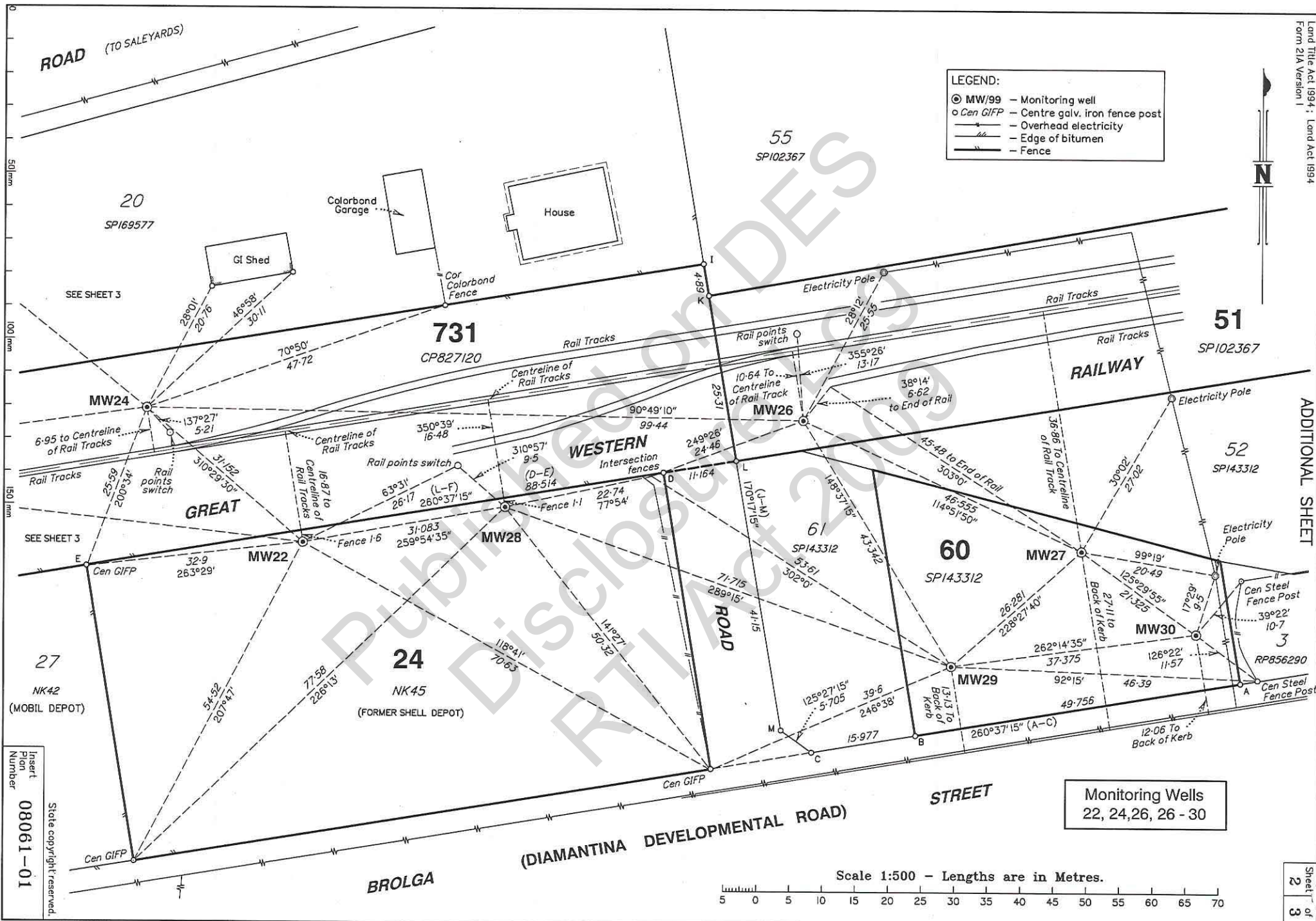
PARISH **WOORBIL**
 COUNTY **Nickavilla**
 TOWN / LOCALITY **QUILPIE**
 LOCAL GOVERNMENT **QUILPIE S.C.**

08061-01

Page 289 of 300

Release

A&A 08061



Insert
Plot
Number
08061-01

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A&A 28061
21-3/13

- LEGEND:
- ⊙ MW/99 - Monitoring well
 - Cen GIFF - Centre galv. iron fence post
 - Overhead electricity
 - Edge of bitumen
 - Fence

ROAD (TO SALEYARDS)

Electricity Pole
No 2083911

20
SP169577

GI Shed

MW24

SEE SHEET 2

Rail points
switch

RAILWAY

MW22

SEE SHEET 2

24

NK45
(FORMER SHELL DEPOT)

WESTERN

27

NK42
(MOBIL DEPOT)

BROLGA
(DIAMANTINA)
DEVELOPMENTAL ROAD

STREET

MW25

9.08 to
Centrelne of
Rail Tracks

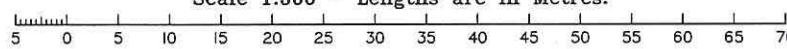
Rail Tracks

GREAT

731
CP827120

Monitoring Wells
22, 24 & 25

Scale 1:500 - Lengths are in Metres.



NK13
Cen. steel
fence post
(isolated)

44
NK29

42

NK83

130.307
Cen GIFF

175.33
24.21

(L-F)
260°37'15"

Cen GIFF

E Cen GIFF

96°25'50"
94.858

71.221
262°15'

28.48
52.53

58.1
308°50'

Insert
Plan
Number
08061-01

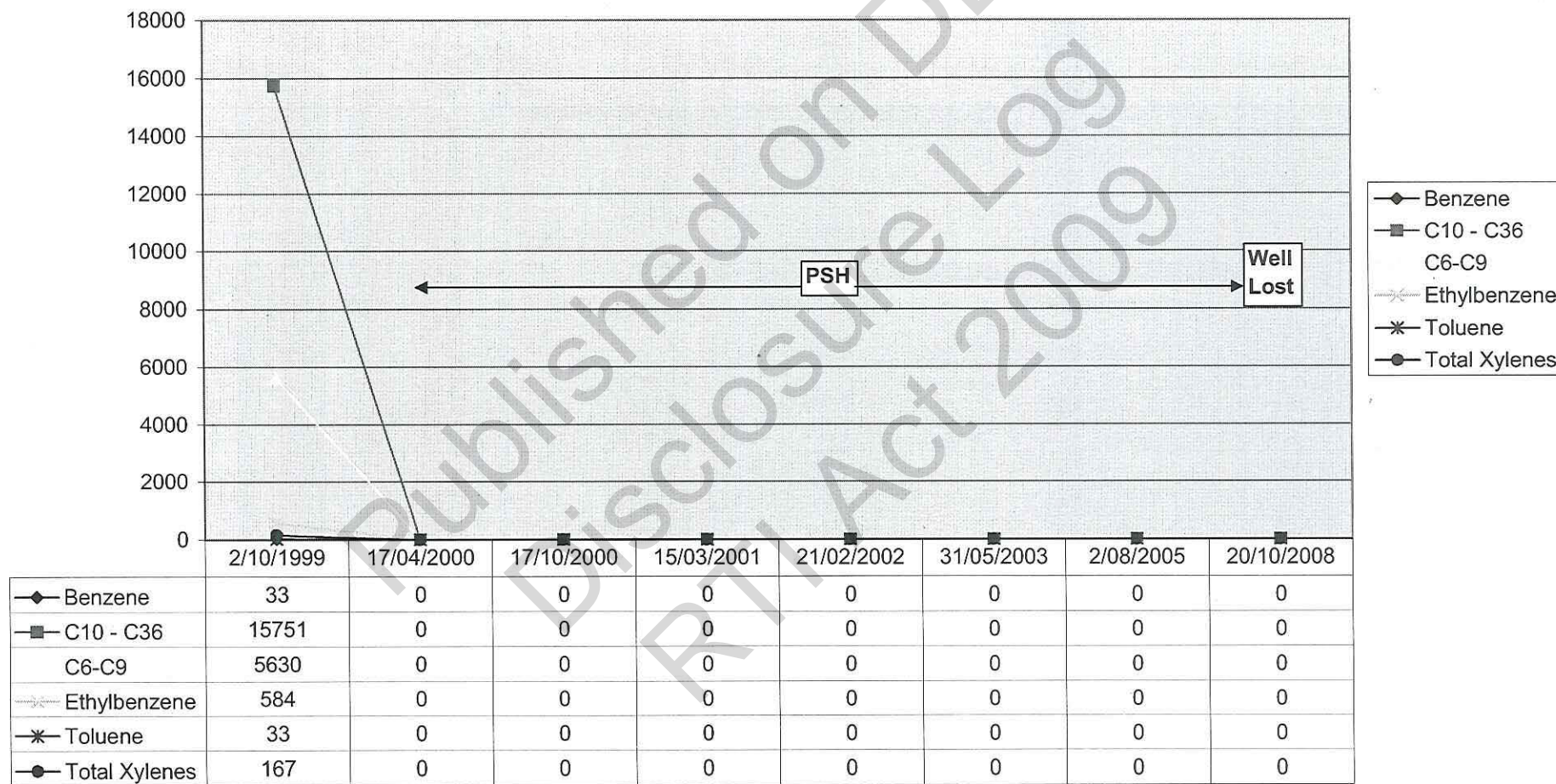
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Annex H

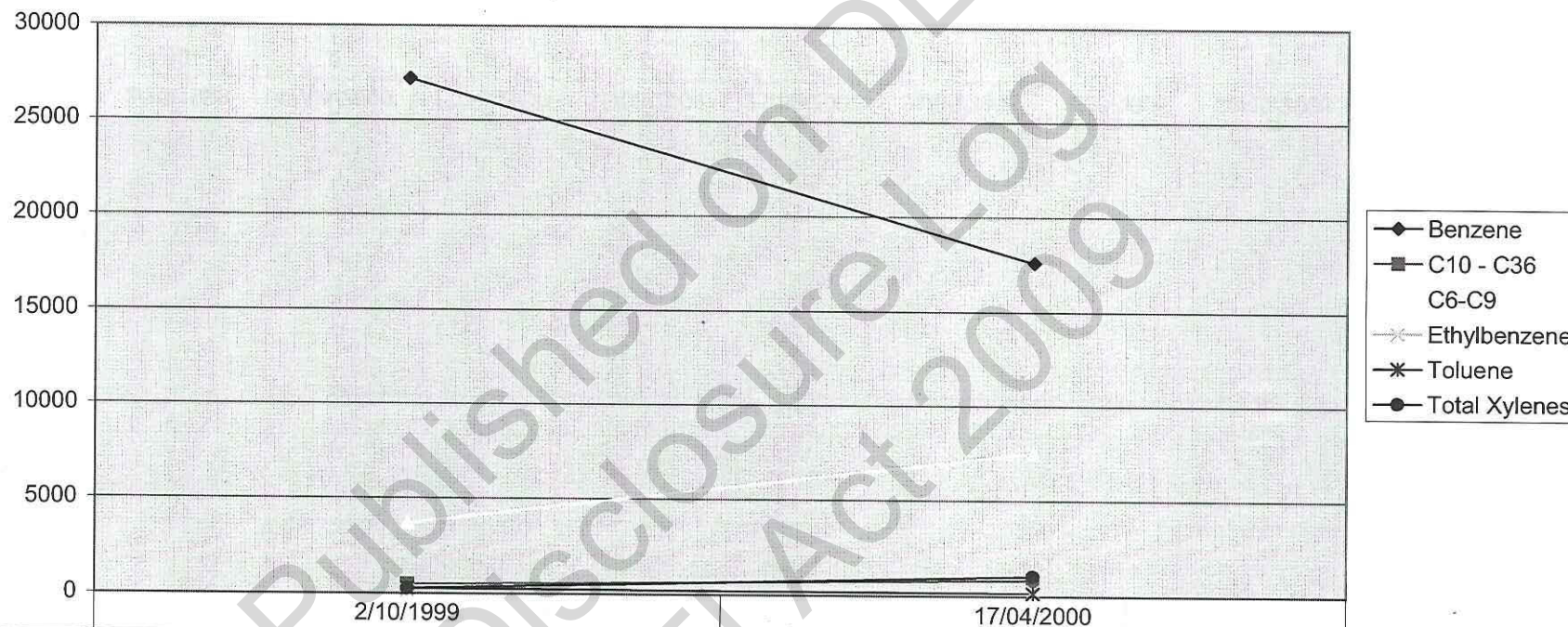
Graphical Trend Analysis

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RTI Act 2009

**Infrastructure Removal Characterisation and Environmental Site Assessment
Former Quilpie Depot CCM104Q
Graphical Trend Analysis - MW1**

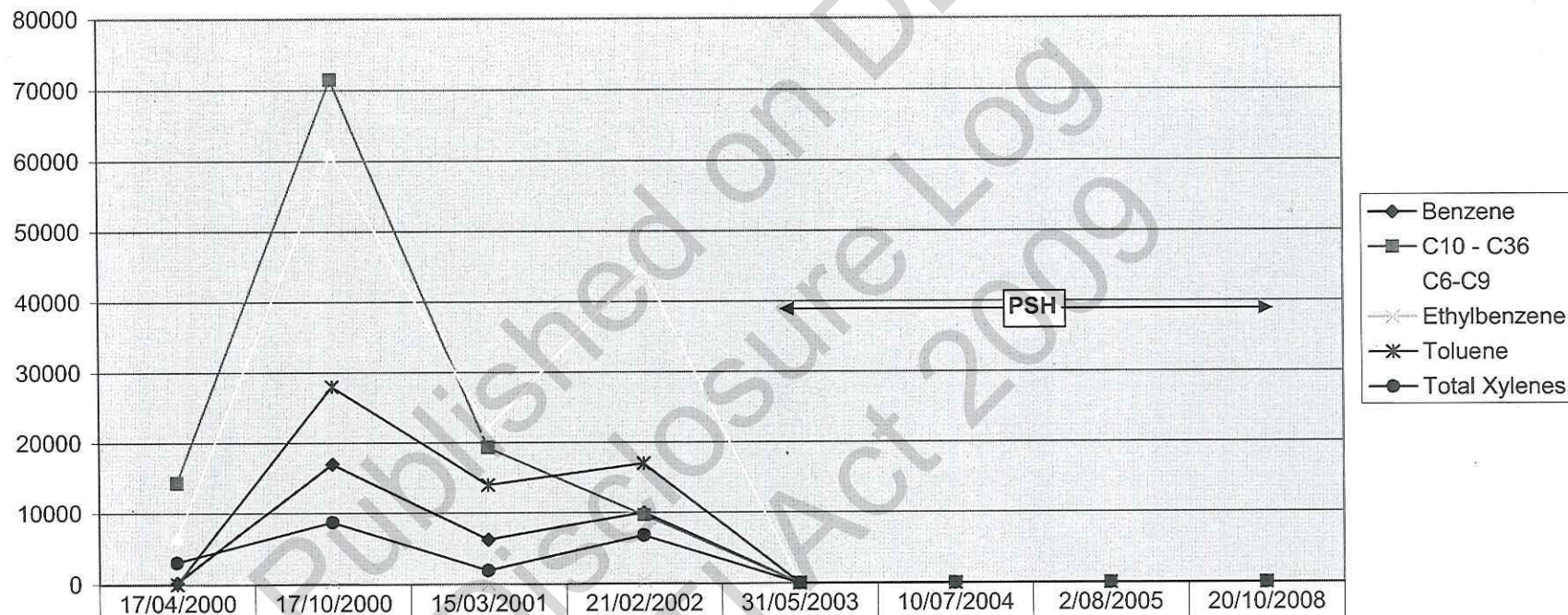


**Infrastructure Removal Characterisation and Environmental Site Assessment
Former Quilpie Depot CCM104Q
Graphical Trend Analysis - MW2**



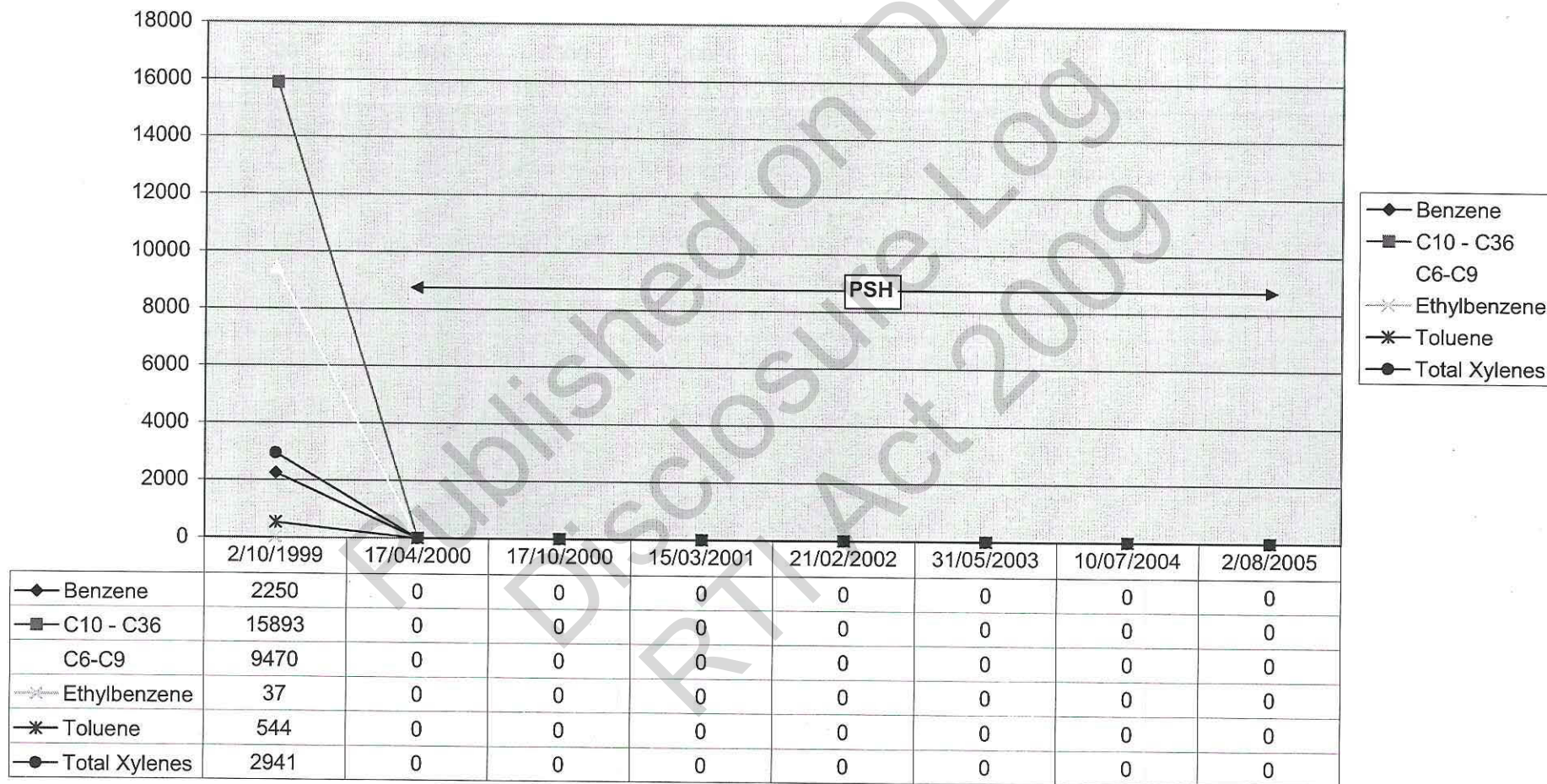
	2/10/1999	17/04/2000
◆ Benzene	27200	17600
■ C10 - C36	480	848
▲ C6-C9	3700	7540
✕ Ethylbenzene	150	279
* Toluene	290	181
● Total Xylenes	280	1058

**Infrastructure Removal Characterisation and Environmental Site Assessment
Former Quilpie Depot CCM104Q
Graphical Trend Analysis - MW2A**

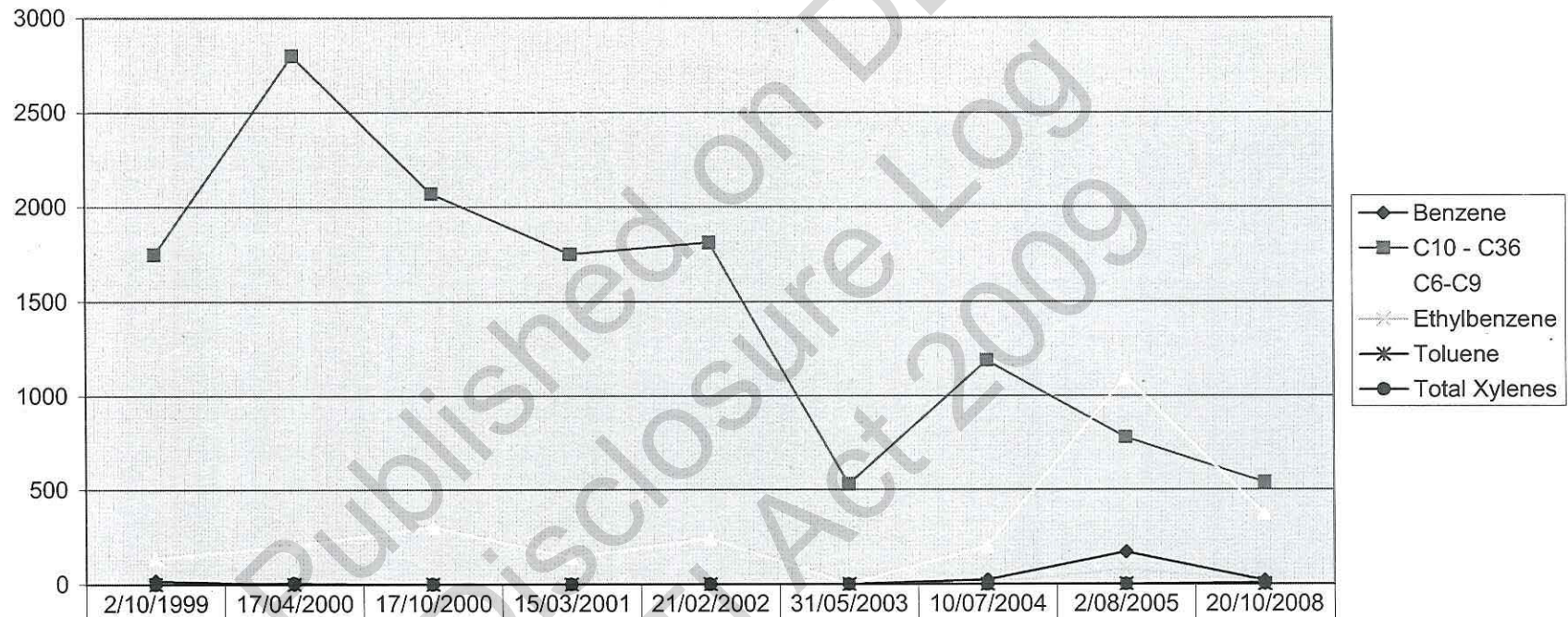


	17/04/2000	17/10/2000	15/03/2001	21/02/2002	31/05/2003	10/07/2004	2/08/2005	20/10/2008
◆ Benzene	250	17000	6200	10000	0	0	0	0
■ C10 - C36	14364	71500	19300	9700	0	0	0	0
▲ C6-C9	6550	61000	22000	45000	0	50	0	0
✕ Ethylbenzene	0	400	0	500	0	0	0	0
* Toluene	21	28000	14000	17000	0	0	0	0
● Total Xylenes	3057	8700	1900	6800	0	0	0	0

**Infrastructure Removal Characterisation and Environmental Site Assessment
Former Quilpie Depot CCM104Q
Graphical Trend Analysis - MW3**

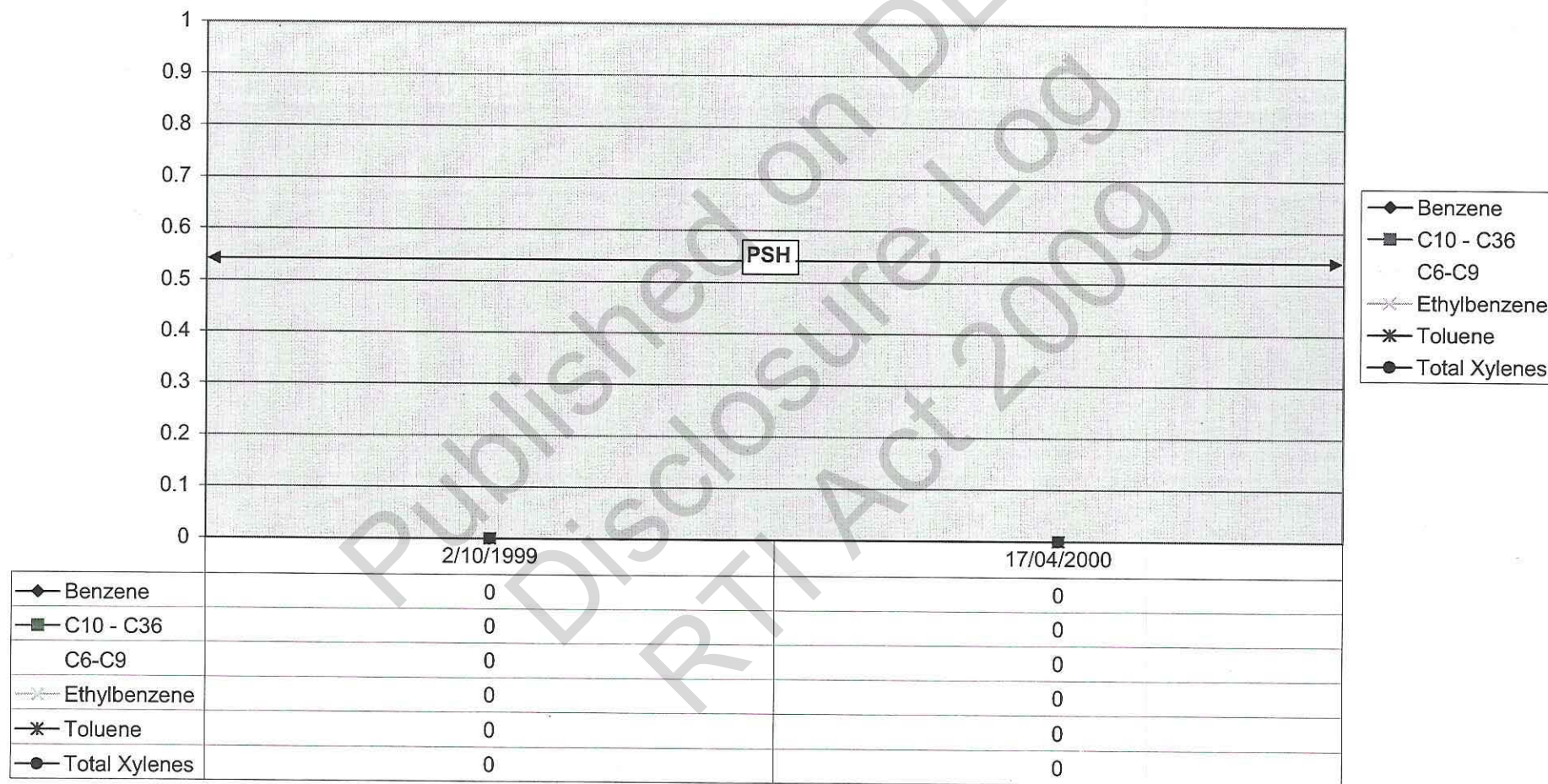


**Infrastructure Removal Characterisation and Environmental Site Assessment
Former Quilpie Depot CCM104Q
Graphical Trend Analysis - MW4**

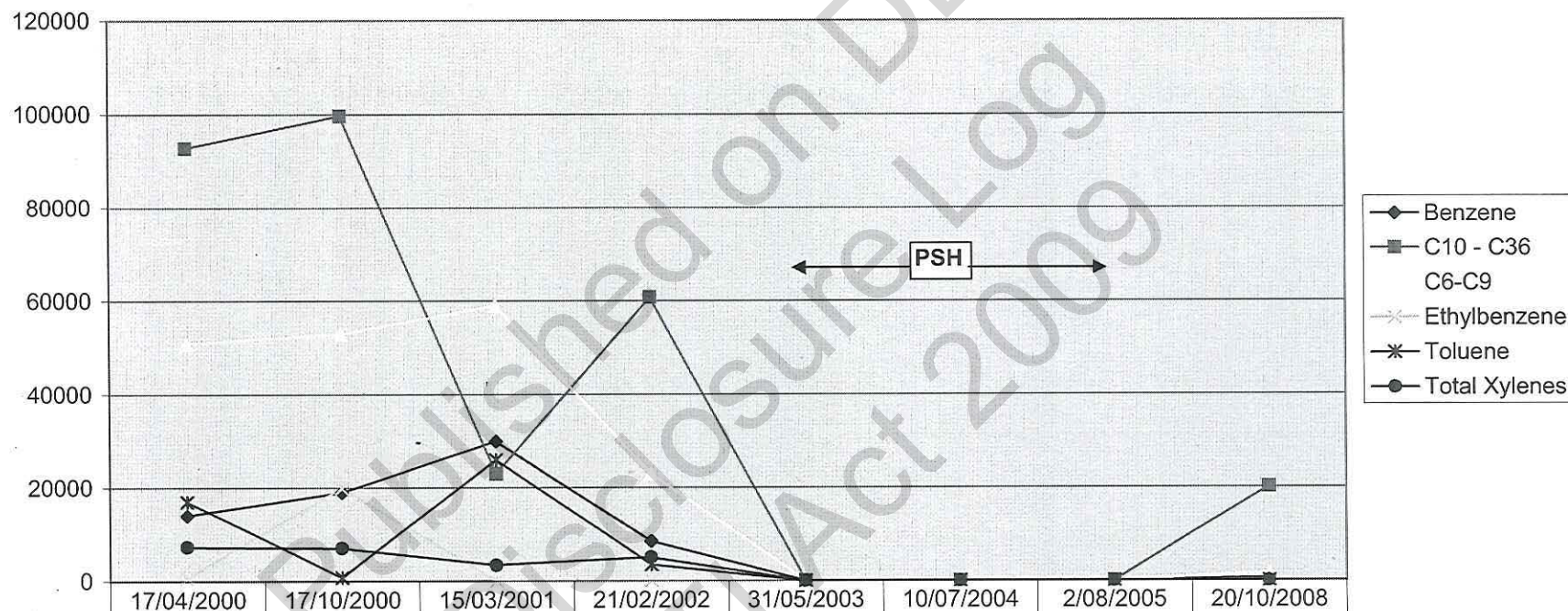


	2/10/1999	17/04/2000	17/10/2000	15/03/2001	21/02/2002	31/05/2003	10/07/2004	2/08/2005	20/10/2008
◆ Benzene	20	0	0	0	0	0	23	170	20
■ C10 - C36	1747	2802	2070	1750	1810	530	1190	780	540
■ C6-C9	136	201	300	140	240	0	200	1100	370
✧ Ethylbenzene	0	0	0	0	0	0	3	78	15
✱ Toluene	0	0	0	0	0	0	0	2	0
● Total Xylenes	0	6	0	0	0	0	0	0	6

Infrastructure Removal Characterisation and Environmental Site Assessment
Former Quilpie Depot CCM104Q
Graphical Trend Analysis - MW5



**Infrastructure Removal Characterisation and Environmental Site Assessment
Former Quilpie Depot CCM104Q
Graphical Trend Analysis - MW5A**



◆ Benzene	14000	19000	30000	8500	0	0	0	530
■ C10 - C36	92880	99700	23000	60800	0	0	0	20150
■ C6-C9	50900	53000	59000	23000	0	0	0	1600
✱ Ethylbenzene	750	20000	0	130	0	0	0	110
✱ Toluene	17000	810	26000	3500	0	0	0	2
● Total Xylenes	7280	7000	3400	5000	0	0	0	20

**Infrastructure Removal Characterisation and Environmental Site Assessment
Former Quilpie Depot CCM104Q
Graphical Trend Analysis - MW6**

