amdel

Job Number : 5E0674

QAQC : Method Blank(s)

ANALYTE	Sample ID PQL	Blank1	Blank2	Blank3	Blank4	Blank5
E1180 Semivolatile Organic Compounds						
Phenol	1	nd				
Aniline	10	nd				
Bis(2-chloroethyl) ether	1	nd				
2-Chlorophenol	1	nd				
1.3-Dichlorobenzene	1	nd				
1.4-Dichlorobenzene	1	nd				
1.2-Dichlorobenzene	1	nd				
Benzyl Alcohol	1	nd				
2-Methylphenol	1	nd				
N-Nitrosodi-n-propylamine	1	nd				
Bis(2-chloroisopropyl) ether	1	nd				
3 and 4-Methyl phenol	1	nd				
Hexachloroethane	1	nd				
Nitrobenzene	1	nd				
Isophorone	1	nd				
2-Nitrophenol	1	nd				
2.4-Dimethylphenol	1	nd				
Bis(2-chloroethoxy) methane	1	nd				
Benzoic Acid	10	nd				
2.4-Dichlorophenol	1	nd				
1.2.4-Trichlorobenzene	1	nd				
Naphthalene	1	nd				
4-Chloroaniline	1	nd				
Hexachlorobutadiene	1	nd				

PQL = Practical Quantitation Limit
nd = <PQL
-- = Not Applicable

(S) Soils : mg/kg (ppm) dry weight
(W) Waters : mg/L (ppm) unless otherwise specified

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QAQC : Method Blank(s)

ANALYTE	Sample ID PQL	Blank1	Blank2	Blank3	Blank4	Blank5
4-Chloro-3-methylphenol	1	nd				
2-Methylnaphthalene	1	nd				
Hexachlorocyclopentadiene	1	nd				
2.4.6-Trichlorophenol	1	nd				
2.4.5-Trichlorophenol	1	nd				
2-Chloronaphthalene	1	nd				
2-Nitroaniline	1	nd				
Dimethyl phthalate	1	nd				
2.6-Dinitrotoluene	1	nd				
Acenaphthylene	1	nd				
3-Nitroaniline	1	nd				
Acenaphthene	1	nd				
2.4-Dinitrophenol	1	nd				
4-Nitrophenol	1	nd				
Dibenzofuran	1	nd				
Diethyl phthalate	1	nd				
Fluorene	1	nd				
4-Chlorophenyl phenyl ether	1	nd				
4-Nitroaniline	1	nd				
4.6-Dinitro-2-methylphenol	1	nd				
Azobenzene	10	nd				
N-Nitrosodiphenylamine	10	nd				
a-BHC	1	nd				
4-Bromophenyl phenyl ether	1	nd				
Hexachlorobenzene	1	nd				

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-- = Not Applicable

(S) Soils : mg/kg (ppm) dry weight
(W) Waters : mg/L (ppm) unless otherwise specified

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QAQC : Method Blank(s)

ANALYTE	Sample ID PQL	Blank1	Blank2	Blank3	Blank4	Blank5
b-BHC	1	nd				
Pentachlorophenol	1	nd				
g-BHC	1	nd				
Phenanthrene	1	nd				
Anthracene	1	nd				
d-BHC	1	nd				
Heptachlor	1	nd				
Di-n-butyl phthalate	1	nd				
Aldrin	1	nd				
Heptachlor epoxide	1	nd				
Fluoranthene	1	nd				
Pyrene	1	nd				
Endosulfan 1	1	nd				
4.4-DDE	1	nd				
Dieldrin	1	nd				
Endrin	1	nd				
Endosulfan 2	1	nd				
4.4-DDD	1	nd				
Endrin aldehyde	1	nd				
Butyl benzyl phthalate	1	nd				
Endosulfan sulfate	1	nd				
4.4-DDT	1	nd				
3.3-Dichlorobenzidine	10	nd				
Benzo(a)anthracene	1	nd				
Chrysene	1	nd				

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nd = <PQL
-- = Not Applicable

(S) Soils : mg/kg (ppm) dry weight
(W) Waters : mg/L (ppm) unless otherwise specified

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Job Number : 5E0674

QAQC : Method Blank(s)

ANALYTE	Sample ID PQL	Blank1	Blank2	Blank3	Blank4	Blank5
Bis(2-ethylhexyl) phthalate	1	nd				
Di-n-octylphthalate	1	nd				
Benzo(b)fluoranthene	1	nd				
Benzo(k)fluoranthene	1	nd				
Benzo(a)pyrene	1	nd				
Indeno(1.2.3-cd)pyrene	1	nd				
Dibenz(a.h)anthracene	1	nd				
Benzo(g.h.i)perylene	1	nd				

PQL = Practical Quantitation Limit
nd = <PQL
-- = Not Applicable

(S) Soils : mg/kg (ppm) dry weight
(W) Waters : mg/L (ppm) unless otherwise specified

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A subsidiary of The Gribbles Group

NATA Accredited Laboratory Number: 1464

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CERTIFICATE OF ANALYSIS

Contents :
1. Cover Pages (2)
2. Analysis Report Pages
3. QA/QC Appendix
4. Additional Reports - External (if applicable)
5. Chain of Custody (if applicable)

Report No.	:	5E0674A
Attention	:	Ms Louise Macdonald
Client	:	Sinclair Knight Merz
	:	PO Box 164
	:	ST LEONARDS NSW 1590
Samples	:	1
Reference/Order	:	EN01669
Project	:	MACDONALDTOWN
Received Samples	:	22/02/05
Instructions	:	21/02/05
Date Reported	:	18/03/05

PLEASE SEE FOLLOWING PAGES FOR METHOD LISTING AND RESULTS

RESULTS

All samples were analysed as received. This report relates specifically to the samples as received. Results relate to the source material only to the extent that the samples as supplied are truly representative of the sample source. This report replaces any preliminary results issued. Note that for methods indicated with "#", NATA accreditation does not cover the performance of this service. Three significant figures (or 2 for <10PQL) are reported for statistical purposes only. Where "Total" concentrations are reported for organic suites of compounds this is the summation of the individual compounds and the PQL is noted for reporting purposes only. This report has been authorized by the NATA signatories listed in the method descriptions section on the following page.

James McMahon

James McMahon B.Sc.,Ph.D. (Chem.)
Manager - Environmental

Report No. : 5E0674A

Please note: Where samples are collected/submitted over several days, the date on which the last samples were analysed or extracted is reported.
Unless Ferrous Iron is determined on site, the possibility of a ferrous-ferric ratio change may occur.

Method	Description	Extracted	Analysed	Authorised	
E7500	Moisture (%w/w)	22/02/05	23/02/05	LHA	096
E1230	TPH C6-C9 by Purge & Trap	03/03/05	07/03/05	GTO	094
E1221	TPH (C10-C36)	23/02/05	24/02/05	GTO	094
E1010	Benzene,Toluene,Ethylbenzene & Xylene	03/03/05	07/03/05	GTO	094
E5910	Metals by ICP-AES	25/02/05	25/02/05	DLU	093
E5950	Mercury in Soil	23/02/05	24/02/05	DLU	093
E1180	Semivolatile Organic Compounds	23/02/05	28/02/05	LHA	095
E1290	Volatile Organic Compounds	23/02/05	23/02/05	GTO	094
E1224	#HRAF in Soil for Health based guideline	23/02/05	28/02/05	GTO	094

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NATA Signatory

Initials	Name	Sections/Methods
MCM	James McMahon	093, 094, 095, 101
MNG	Minh Nguyen	094, 095
MFA	Mark Fahmy	094, 095
LHA	Ly Kim Ha	094, 095, 096
DJA	Dilanthi Jayamanne	094
GTO	Greg Towers	094
GPE	Geoff Peterson	095
DLU	Darrel Luck	093
MAV	Merrin Avery	101
DBL	Dianne Blane	101
NCO	Nathan Cooper	101
AGR	Alison Graham	101
PKE	Peter Keyte	101

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Job Number : 5E0674A

Client : Sinclair Knight Merz

Reference : EN01669

Project : MACDONALDTOWN

Analyte	Lab No	E179646				
		MW39D				
	Sample Id	10.5m				
	PQL					
E7500 Moisture (%w/w) in Soil						
Moistures test performed at 105oC						
Moisture Content	1	22%				
E1230 TPH in Soil by Purge & Trap/GC-MS						
C6-C9 Fraction	5	nd				
E1221 TPH in Soil						
C10-C14 Fraction	10	40				
C15-C28 Fraction	50	80				
C29-C36 Fraction	50	nd				
E1010 BTEX (P&T) in Soil						
Benzene	0.2	nd				
Toluene	1	nd				
Ethylbenzene	1	nd				
m&p-Xylene	2	nd				
o-Xylene	1	nd				
4-Bromofluorobenzene-SURROGATE	1	90%				

PQL = Practical Quantitation Limit
LNR = Samples Listed not Received
nd = <PQL
-- = Not Applicable

Soils : mg/kg (ppm) dry weight unless otherwise specified
Waters : mg/L (ppm) unless otherwise specified in Method Header
Leachates : mg/L (ppm) in leachate unless otherwise specified in Method Header

Refer to Amdel standard laboratory qualifier codes for comments.